APPENDIX C

# 2016 MANE-VU Source Contribution Modeling Report

## CALPUFF Modeling of Large Electrical Generating Units and Industrial Sources

**April 4, 2017**

MANE - VU

Mid-Atlantic/Northeast Visibility Union

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## Executive Summary

New Hampshire Department of Environmental Services (NHDES) in conjunction with Vermont Department of Environmental Conservation (VTDEC) carried out air pollution transport modeling with the CALPUFF dispersion model, which was used to simulate sulfate and nitrate formation and transport in the Mid-Atlantic Northeast Visibility Union (MANE-VU) and nearby regions. This modeling effort focused on electric generating units (EGUs) and large industrial and institutional sources in the eastern and central United States. NHDES and VTDEC used the CALMET, CALPUFF and CALPOST programs to estimate pollutant concentrations and visibility impacts at eleven Class I areas in the northeastern U.S. Both groups completed different steps throughout the dispersion modeling process with quality assurance steps carried out by both parties.

The VTDEC developed meteorological inputs for CALPUFF through the use of observation-based National Weather Service (NWS) inputs and application of CALMET. The resulting meteorological files were provided to NHDES, who developed hourly and annual sulfur dioxide and nitrogen oxide emissions inputs for CALPUFF. Emissions inputs for EGUs were derived from continuous emissions monitoring system (CEMS) data files. NHDES chose to model 95$^{th}$ percentile daily emissions in order to represent high end emission days but at the same time eliminate outlying high emissions due to occasional events such as start-ups and shut downs. Annual emissions were also modeled to provide a sense of how the predicted visibility impacts differ, especially for units that are infrequently operated. Emissions for industrial and institutional units were derived from reported annual emissions adjusted to a typical hourly emission estimate based on emission unit operational statistics.

Calculated 95$^{th}$ percentile 2011 and 2015 EGU emissions for sulfur dioxide ($SO_2$) and nitrogen oxides ($NO_X$) were modeled for each day of the year to assess the maximum 24-hour impact to each of eleven Class I areas located in the northeastern United States. Similarly, annual 2011 and 2015 emissions were modeled by NHDES for the entire year for each Class I area. This process was carried out for each of the provided years of meteorology (2002, 2011, and 2015). The industrial and institutional typical hourly emission sources (2011 emissions) were modeled with 2002, 2011 and 2015 meteorology. The results (including 24-hour maximum sulfate [$SO_4$] and nitrate [$NO_3$] concentrations, extinction, and deciviews), were used to rank emission units by their extinction value at each Class I area.

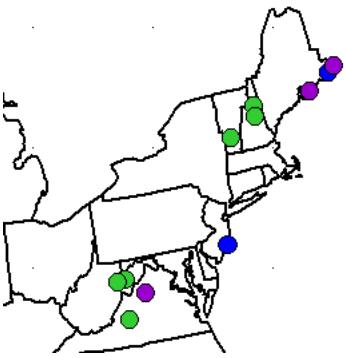
The resulting ranking tables revealed Ohio as the top contributing state to visibility impact at all Class I areas using 2011 95$^{th}$ percentile EGU emissions with meteorology from years 2002 and 2011. Ohio was also one of the top contributing states using 2015 meteorology. The results described in this report will assist MANE-VU and its member states in reaching the federal Regional Haze rule goal of improving visibility to natural/ambient levels at Class I areas. It should be noted that this analysis is intended to be a qualitative screening tool, to be used in conjunction with other techniques (e.g. emission to distance ratios and back-trajectory analyses), to rank emissions sources for further consideration as part of the larger MANE-VU consultation process.

## 1.0 Introduction

This report summarizes 2016 NHDES and VTDEC modeling of point source contributions to visibility impacts at federal Class I areas in and near the MANE-VU region (Figure 1). The federal Regional Haze rule seeks to improve and protect visibility at Class I areas nation-wide (Figure 2). This 2016 modeling effort builds on the 2002 point source contribution modeling performed by MANE-VU for the member states' State Implementation Plan (SIP) submittals for the first planning period (the time period between SIP submittal and the end of 2018). This modeling uses the CALPUFF modeling system with meteorological fields covering most of the eastern United States. The specific objective of the NHDES CALPUFF modeling was to quantify and rank the relative impact of the sulfate and nitrate components of regional haze attributable to sulfur dioxide and nitrogen oxide emissions from individual large stationary point sources.

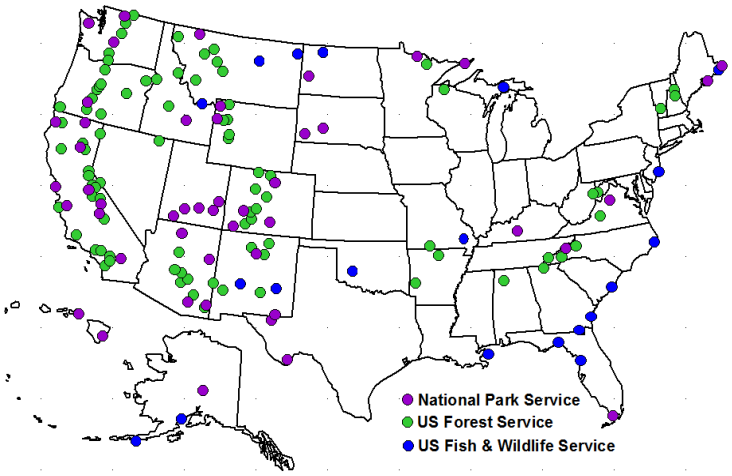
The 2016 modeling was performed for specific Class I area receptor locations in and near the MANE-VU Regional Planning Organization (RPO). Two emissions years were analyzed: 2011 and 2015 with three years of meteorological data: 2002, 2011, and 2015. Emissions and meteorology for 2011 was selected to be consistent with EPA and MANE-VU modeling platforms that are being used for current rulemaking and state SIP efforts. 2015 was selected to represent a recent EGU fleet year.

**Figure 1: MANE-VU and Nearby Federal Class I National Parks and Wilderness Areas**



| MANE-VU and Nearby Class I Areas | |
|---|---|
| Maine: | Acadia, Campobello, Moosehorn |
| New Hampshire: | Great Gulf, Presidential-Dry River |
| Vermont: | Lye Brook |
| New Jersey: | Brigantine |
| West Virginia: | Dolly Sods, Otter Creek |
| Virginia: | James River Face, Shenandoah |

**Figure 2: Nationwide Federal Class I National Parks and Wilderness Areas**



## 2.0 CALPUFF Modeling System

CALPUFF is a Lagrangian modeling system included in EPA's Guideline on Air Quality Models (GAQM) as a recommended model for long-range transport, specifically to address the impacts of emissions from Prevention of Significant Deterioration (PSD) sources in Class I areas (note: EPA's most recent GAQM, effective May 22, 2017, no longer recommends one specific model for this purpose). CALPUFF simulates atmospheric transport, transformation, and dispersion through the treatment of air pollutant emissions from stacks or area sources as a series of discrete puffs. Each puff is tracked individually by the model until it leaves the modeling domain, and the contribution of each puff to receptor concentrations (or deposition fluxes) is calculated separately and can be used to create individual source impacts, or summed in different ways to create total impacts over source groups based on the user's choices.

The CALPUFF modeling system includes numerous related programs used to create inputs for the model and to extract and analyze model outputs. One key related program is CALMET, which is the meteorological processor that creates three-dimensional wind fields for the dispersion model CALPUFF. Another key related program is CALPOST, which performs a number of output post-processing functions.

CALPUFF has seen wide use across the United States, providing estimated concentration and visibility impacts in Class I areas for numerous PSD applications for new power plants and other PSD sources. The use of CALPUFF for regional modeling at the scale of this contribution assessment (where transport distances exceed 1000 kilometers in some cases) has not been as widespread, and its performance at distances beyond 300 kilometers is subject to some uncertainty. The Interagency Workgroup on Air Quality Modeling (IWAQM) Phase II Report (USEPA, 1998) suggested, based on an analysis of the CAPTEX tracer study, that under-prediction of horizontal dispersion at greater than 300 kilometer transport distances could lead to an over-prediction of surface concentrations using CALPUFF. For the present study, this uncertainty is addressed through the emphasis on model performance (compared to measured data) documented in the 2006 MANE-VU modeling report, *Contributions to Regional Haze in the Northeast and Mid-Atlantic United States* (NESCAUM 31 August 2006). Further, the modeling results from this exercise will simply identify units that might undergo a more rigorous analysis for reasonable measures for visibility improvement.

The CALPUFF modeling system was developed by Earth Tech and is now maintained and updated by Exponent Engineering and Scientific Consulting, and is publicly available. Model and support program executables, a graphical user interface, model and support program source code, examples, and users' guides are available either through a link provided on EPA's web site www.epa.gov/ttn/scram or directly from Exponent at http://www.src.com/.

The CALMET meteorological processor is a key component of the CALPUFF modeling system. Its primary purpose is to prepare meteorological inputs for running CALPUFF, consisting nominally of three-dimensional wind fields, two-dimensional gridded derived boundary layer parameter fields (e.g. mixing depth, friction velocity, Monin Obukhov length, etc.), and two-dimensional gridded fields of surface measurements and precipitation rates (for use in calculating wet

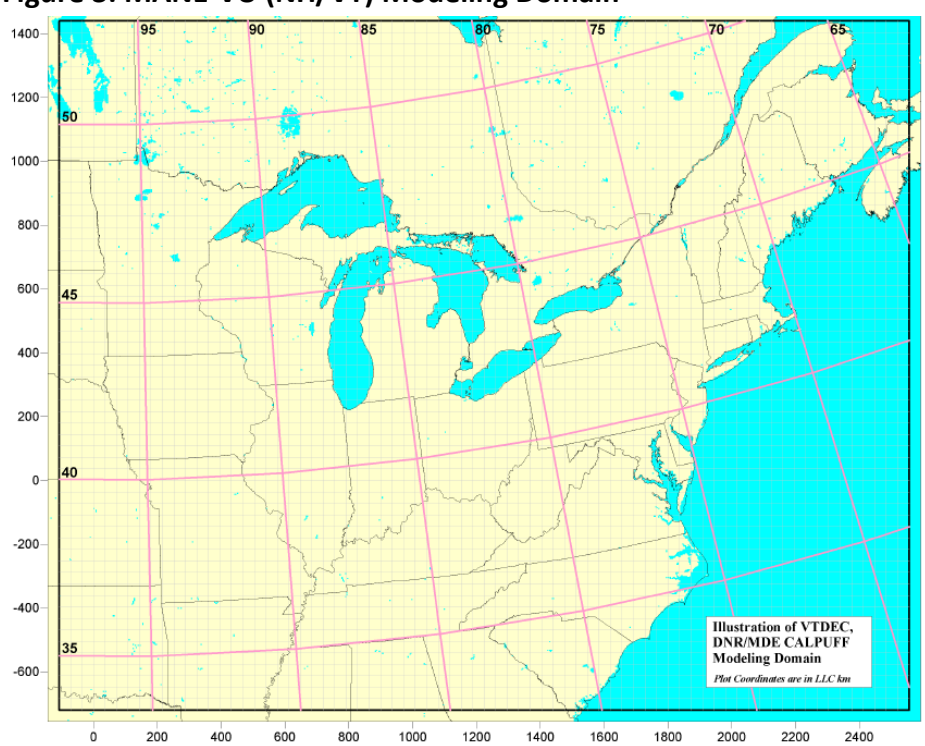
deposition fluxes). Inputs to CALMET consist of geophysical data (land use, terrain) and observations in the form of surface measurements, precipitation rates, and upper air rawinsonde soundings.

## 2.1. The NHDES/VTDEC CALPUFF Modeling Platform Description

Version 7.2.1 (Level 150816) of CALPUFF is an updated version of the model used for this exercise (Exponent 2011). This update includes changes to roadway inputs and the capability to use receptor group names. Output post processing was performed with CALPOST Version 7.1.0 (Level 141010) and meteorology was generated with CALMET Version 6.334 (Level 110421) (Scire, Robe, Fernau and Yamartino 1998). Modeling methodologies in this 2016 study generally replicate what was done for the regional haze SIP work for the first planning period.

The MANE-VU CALPUFF and CALMET modeling domains use a Lambert Conformal Conic (LCC) projection consistent with the RPO modeling projections; namely, an origin of 40.0 degrees N and 97.0 degrees W and matching parallels of latitude at 33.0 and 45.0 degrees N. The vertical extent of the domain is set at approximately 3 km with different resolutions depending on the platform. Grid resolution for the VTDEC CALMET platform was set at 36 kilometers, which resulted in a grid size of 74 by 60 cells. The vertical grid structure for the NH/VT platform consisted of eight levels, specified to allow accurate representation of atmospheric conditions in the surface level, transition level, and the free atmosphere. A depiction of the domain used in these analyses is shown in Figure 3.

**Figure 3: MANE-VU (NH/VT) Modeling Domain**



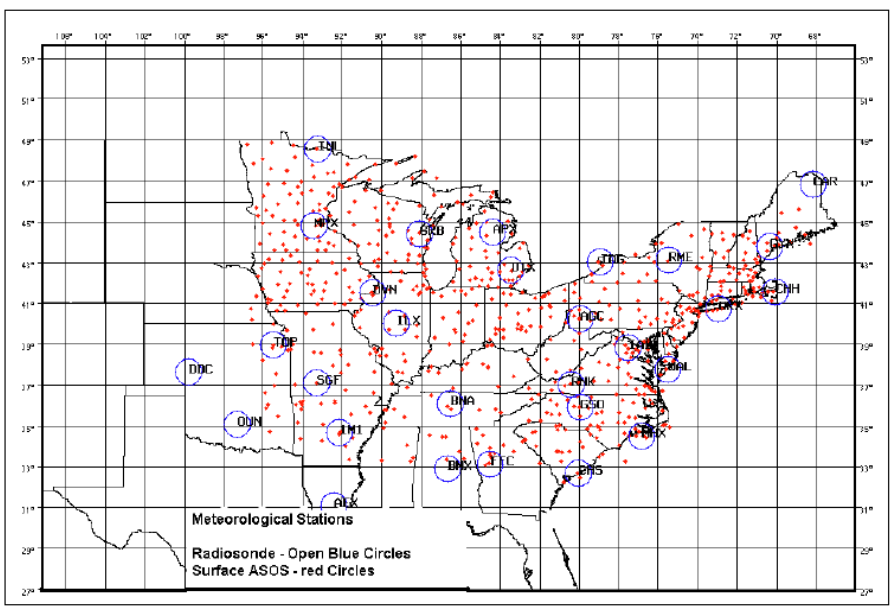
## 2.2 CALMET Meteorological Modeling

VTDEC developed meteorological inputs for CALPUFF through the use of observation-based inputs (i.e., rawinsonde and surface measurements) from the National Weather Service (NWS) and application of CALMET. VTDEC previously developed CALMET files for the year 2002 with a 2003 beta test version of CALMET. The 2002 meteorological fields were used as-is for a portion of this 2016 CALPUFF modeling exercise. In addition, new meteorological fields were developed for 2011 and 2015 with CALMET 6.334 for the 2016 modeling exercise. In all cases, meteorology files include entire calendar years and reflect the domain shown in Figure 3.

A detailed description of the methodologies that VTDEC used to generate the 2002 meteorological fields can be found in Section D.2.2 of Appendix D to NESCAUM's 2006 MANE-VU modeling report, *Contributions to Regional Haze in the Northeast and Mid-Atlantic United States*.[1] For this 2016 modeling effort, VTDEC used similar methodologies to generate the 2011 and 2015 meteorological fields.

Meteorological data inputs for 2002 consisted of 684 surface stations, 27 radiosonde stations for upper air representation, 1037 precipitation measurement sites, and 5 overwater (buoy) sites (see Figure 4). For 2011 and 2015, data from 1,203 surface and precipitation sites and 27 radiosonde stations were used. The surface station data was extracted from the integrated surface hourly observations (ISHO) dataset compiled by the National Climatic Data Center (NCDC). For all three of the meteorological years, data was extracted and processed in four quarters to allow for reasonable CALMET run times.

**Figure 4: Surface (ASOS), and Upper Air (Radiosonde), Stations used in the 2002 CALMET runs**




[1] This report, *Contributions to Regional Haze in the Northeast and Mid-Atlantic United States,* may be found on the NESCAUM website at: http://www.nescaum.org/documents/contributions-to-regional-haze-in-the-northeast-and-mid-atlantic--united-states/.

The CALMET modeling system uses a set of programs for preprocessing geophysical data such as land use and terrain elevations for the modeling domain. Figures 5 and 6 show example QA/QC plots of the terrain and land use output from these preprocessors. From this information, CALMET produces related physical fields that are necessary for the CALPUFF pollutant predictions including surface roughness, albedo, Bowen ratio, soil heat flux, and leaf area index. Figures 7 and 8 portray fields of surface roughness and leaf area index for the domain.

**Figure 5: Plot of Smoothed Terrain Heights (m) Used in the VTDEC CALMET Modeling**

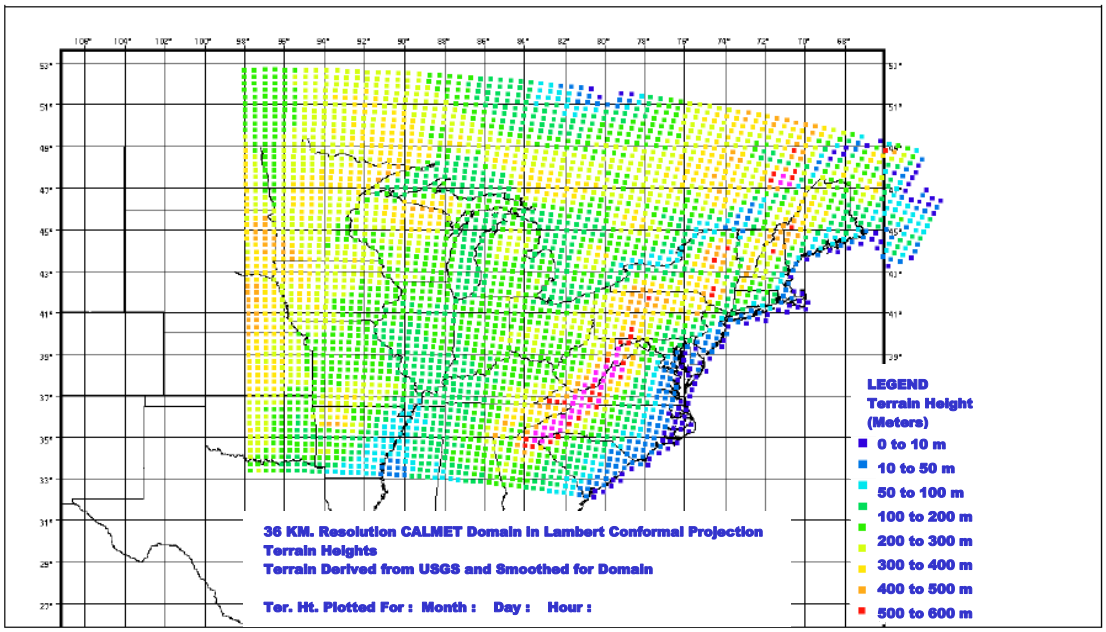



**Figure 6: Plot of Land Use Used in the VTDEC CALMET Modeling**

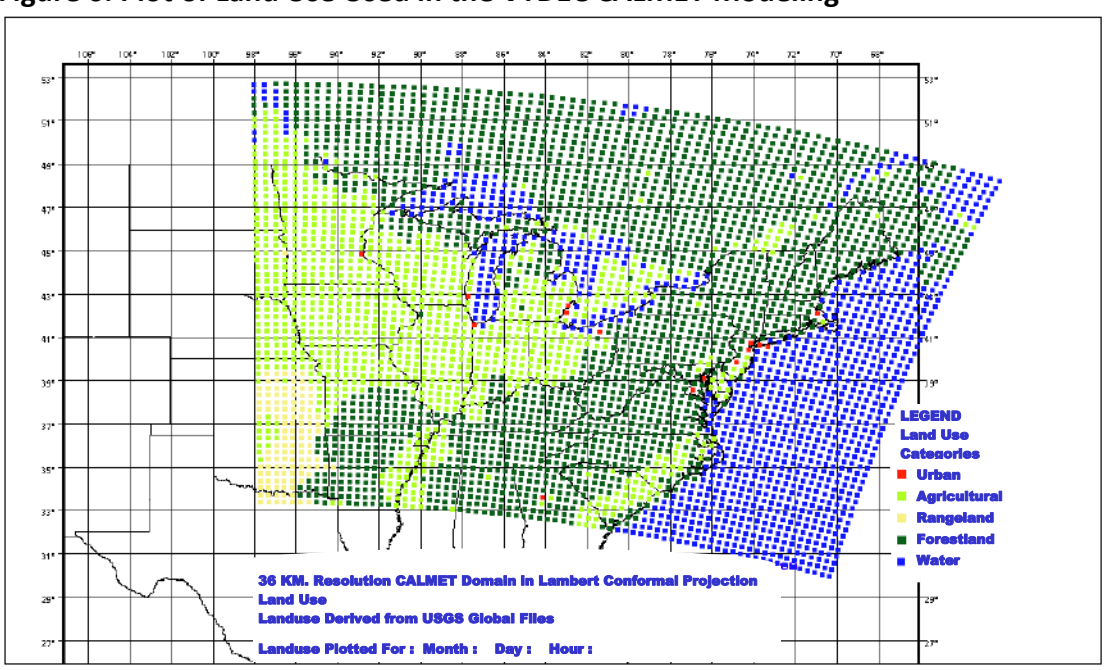


**Figure 7: Plot of Surface Roughness Used in the VTDEC CALMET Modeling**

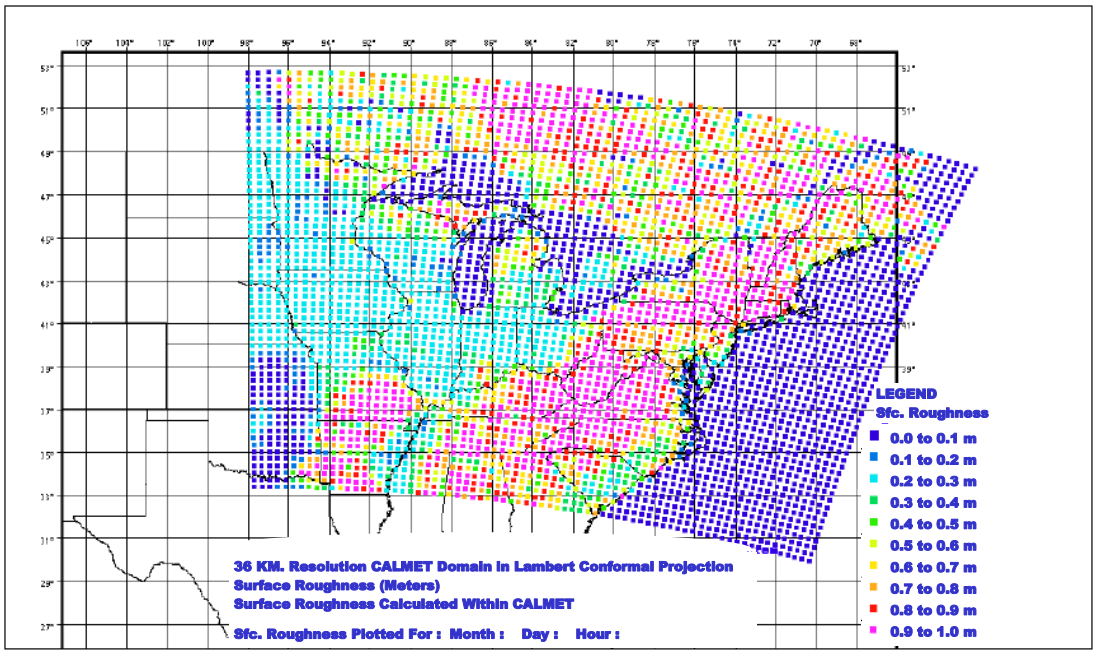
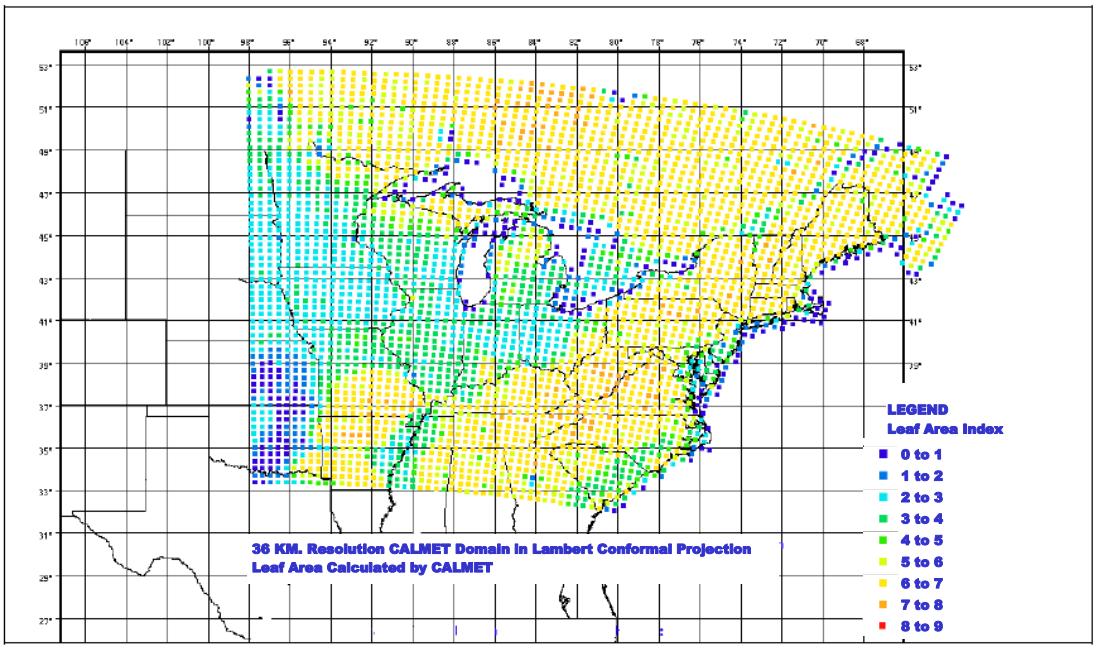



**Figure 8: Plot of Leaf Area Index Used in the VTDEC CALMET modeling**



VTDEC performed visual spot checks during the processing of the 2011 and 2015 meteorology, including visual plots to ensure that all components of the CALMET modeling system were working correctly. Examples of VTDEC's QA/QC plots are shown in Figures 9 through 12.

**Figure 9: QA/QC Plot of Rainfall (mm/hr) for April 1, 2011, Hour 1**

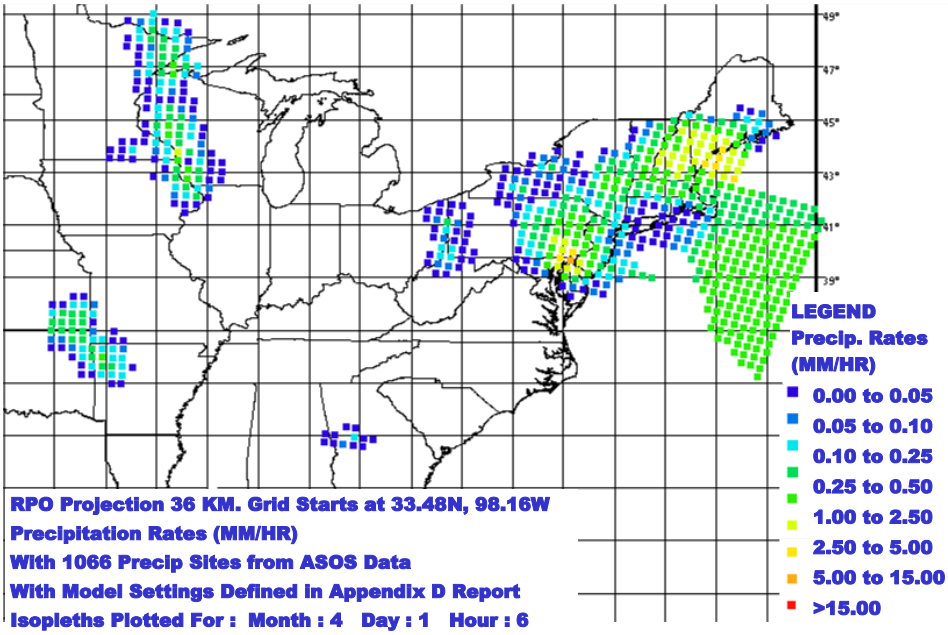



**Figure 10: QA/QC Plot of Rainfall (mm/hr) for April 1, 2011, Hour 19**

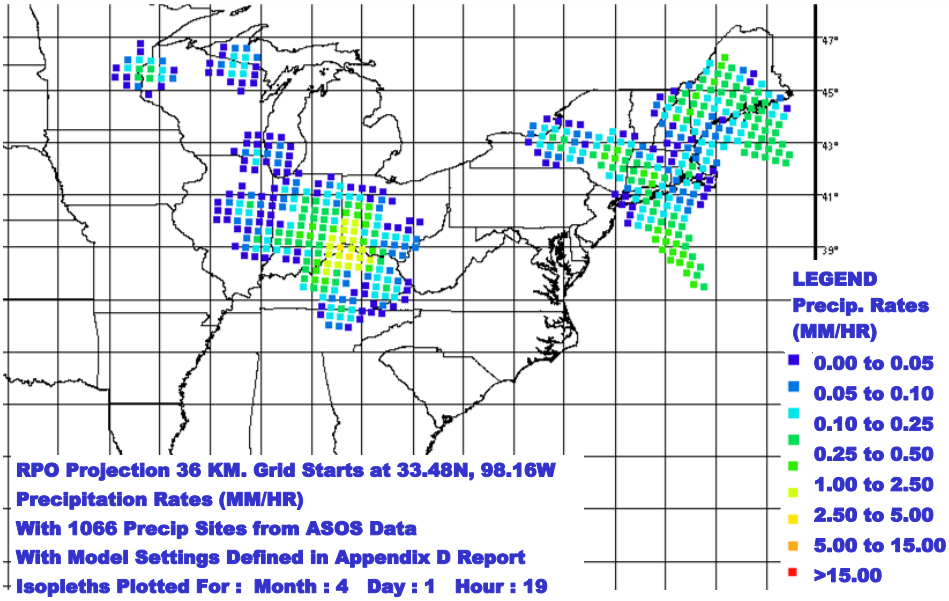


**Figure 11: QA/QC Plot of Wind Speed and Direction for April 1, 2011, Hour 1, Model Level 3**

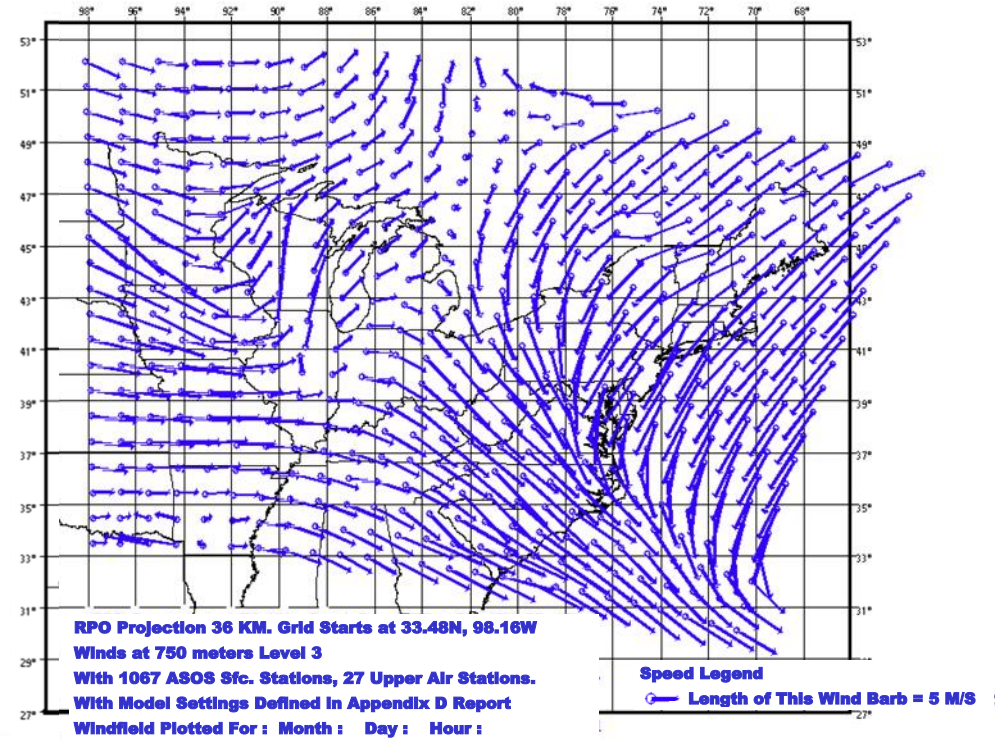
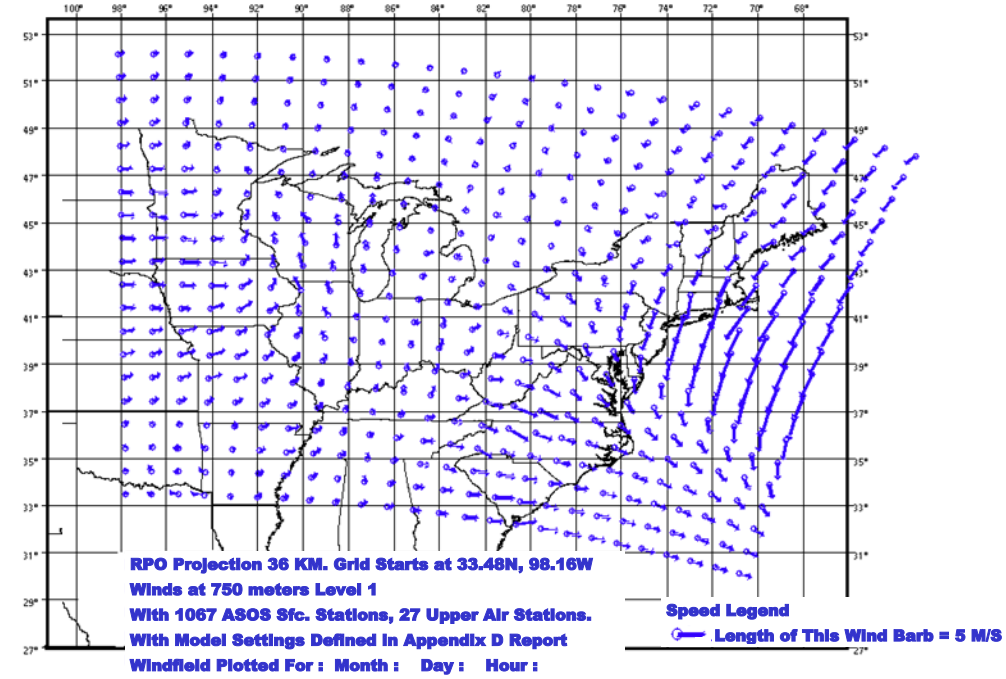



**Figure 12: QA/QC Plot of Wind Speed and Direction for April 1, 2011, Hour 1, Model Level 1**



## 2.3 Model Performance

Appendix D to NESCAUM's 2006 MANE-VU modeling report, *Contributions to Regional Haze in the Northeast and Mid-Atlantic United States* NESCAUM (2006), documents model performance for CALPUFF modeling with 2002 continuous emissions monitoring system (CEMS)-based emissions and CALMET 2002 meteorology. This analysis is not reproduced in this report, but serves as justification for using similar model options and methodologies in the current 2016 modeling exercise. Based on the conclusions from the model performance analysis in the 2006 NESCAUM report, the VTDEC CALPUFF modeling platform appears to be performing well enough to be used, at least in a relative sense, for replicating visibility impacts at northeastern Class I areas from modeled $SO_2$ and $NO_X$ emissions.

# 3.0 2016 MANE-VU Modeling Methodology

## 3.1 Emission Source Selection

Over the past ten years, there have been a number of $SO_2$ emission reduction programs that have resulted in visibility improvements. Federal measures, including the Clean Air Interstate Rule (CAIR), the Cross State Air Pollution Rule (CSAPR), Boiler MACT, MATS, BART, and advancements in the economical production of natural gas are expected to reduce $SO_2$ emissions by almost 70**%** in the eastern U.S. from 2002 to 2018. Because of this, there are fewer high emitting units remaining since many have applied emission controls or have shut down, and those that are still operating tend to operate fewer hours per year. EPA estimates that CSAPR (and other state rules) reduced EGU $SO_2$ emissions by 73% between 2005 and 2014.

For the 2016 modeling effort, the MANE-VU Technical Support Committee (TSC) provided a preliminary list of EGU sources. This list was based on an enhanced Q/d analysis considering recent $SO_2$ emissions in the eastern United States and an analysis that adjusted previous 2002 MANE-VU CALPUFF modeling by applying a ratio of 2011 to 2002 $SO_2$ emissions (MANE-VU Technical Support Committee 6 April 2016). This list of sources was then enhanced by including the top five $SO_2$ and $NO_X$ emission sources for 2011 for each state included in the modeling domain.

Once the list of EGUs for 2016 CALPUFF modeling was developed, 2011 and 2015 95$^{th}$ percentile and annual emissions for these sources were processed as described below. As mentioned earlier, the year 2011 was selected for current CALPUFF work to be consistent with the base year being used in EPA and OTC/MANE-VU photochemical modeling for regional haze (projected year 2028) and other efforts. The year 2015 was added to the analysis in order to represent the most recent available year, which recognizes changes in emission controls, fuel changes, changes in operations, and facility shutdowns that may have occurred since base year 2011.

The MANE-VU TSC also identified 82 industrial and institutional facilities located within the CALPUFF modeling domain that either have emissions similar in magnitude to the EGUs modeled in this exercise, or are close enough to a Class I area that they would have the potential for visibility impacts.

## 3.2 Development of CALPUFF Model Inputs

The following sections describe the CALPUFF model input development in further detail. A total of 311 EGU stacks and 82 industrial facilities were included in this modeling analysis.

***EGU Emission Rates***

Because fewer high emitting EGU units are operating as base-loaded units, this 2016 CALPUFF modeling effort shifts from modeling annual emissions to a focus on peak actual operating conditions to determine potential effects on Class I area visibility. Daily EGU emissions (tons per day) were obtained from EPA's Clean Air Markets Division (CAMD) database and processed to determine the 95$^{th}$ percentile daily $SO_2$ and $NO_X$ emissions for a number of electric generating units for the years 2011 and 2015. This database compiles all data from the EPA Air Markets

Program Database - https://ampd.epa.gov/ampd/ (US EPA 2015). The emissions can also be found at the EPA FTP site (ftp://ftp.epa.gov/dmdnload/emissions/daily/quarterly/). The emissions data downloaded from the EPA was in quarterly format but was saved by NHDES in an annual by-state spreadsheet format. From these annual state-by-state spreadsheets, maximums, averages, and 95$^{th}$ percentiles were calculated for each modeled facility. 95$^{th}$ percentile daily emissions were divided by 24 to obtain an hourly emission rate for input into the CALPUFF model.

The 95$^{th}$ percentile was selected to remove the influence of start-up and shut-down operations or other atypical outlier emissions events. However, the 95$^{th}$ percentile was felt to be representative of the emissions that could be expected on the highest typical operation days. Since the emission units could operate at any time of the year, they were modeled using 95$^{th}$ percentile emissions for all days of the year to identify the maximum potential 24-hour impact on the eleven modeled Class I areas. Thus, the model output represents the impact of a specific emission unit operating with worst case actual emissions for that year. This is a conservative (i.e. high bound) approach because it assumes that the modeled EGUs are emitting at the 95$^{th}$ percentile rate every day of the year. For the EGUs, 2011 annualized emissions were also modeled as a point of comparison with the 2011 95$^{th}$ percentile daily emissions.

2011 annual emissions for each modeled EGU were taken directly from MARAMA's 2011 Beta modeling emissions inventory. Since the CALPUFF model allows emissions inputs of tons per year, the annual emission rates were entered directly into the model in those units. The model then assumes that those emissions are distributed evenly throughout the year.

Figure 13 shows the 2011 and 2015 95$^{th}$ percentile daily $SO_2$ and $NO_X$ emissions that were used in the modeling.

***Industrial/Institutional Source Emission Rates***

Because EPA CAMD does not track industrial and institutional source emissions on an hourly basis, another method was applied for calculating industrial source $SO_2$ and $NO_X$ emissions. For this task, annual emissions were obtained from the MARAMA 2011 Beta base year emission inventory. Operating hours per year for each source were also obtained from the MARAMA inventory. Typical hourly emission rates for each device were produced by dividing annual emissions by the number of hours operated in 2011. Emissions from individual units were combined when vented through a common stack and then stacks with resulting 2011 $SO_2$ emissions of greater than 200 pounds per hour were included in a **Large Emitting Stack** category for CALPUFF modeling. Large emitting stacks comprise 80 stacks at 60 (out of the 82 total) industrial/institutional facilities.

Because 22 of the 82 facilities identified by MANE-VU for CALPUFF modeling were not included in the Large Emitting Stack category, another category was developed to model facility-wide emissions where no specific stack produced a large amount of emissions. In this category, **Accumulated Emissions**, facility-wide emissions for each of the 22 facilities not represented in the Large Emitting Stack category were modeled as hypothetically exhausting through a single stack. The stack used in each of these cases was the stack that exhausts the greatest portion of

the applicable facility's emissions. Additional Accumulated Emission sources included units located at 9 of the facilities already represented with a Large Emitting Stack, but which still had a large amount of emissions not being represented by a modeled stack. In these cases, the remaining emissions not already represented by a Large Emitting Stack were accumulated and hypothetically exhausted through a single dominant stack not already being modeled.

Much like the conservative nature of using the 95$^{th}$ percentile emissions for EGU units, combining emissions from multiple units through a common stack assumes that all units run at the same time and adds a peak potential emission perspective to the analysis. Typical hourly $SO_2$ and $NO_X$ emission rates for the industrial/institutional facilities are shown in Figure 14. The methodology for filling missing hourly operations data is provided in Appendix D.2.

**Figure 13: 2011 and 2015 95$^{th}$ Percentile Daily $SO_2$ Emissions (a) and 2011 and 2015 95$^{th}$ Percentile Daily $NO_X$ Emissions (b) for the EGUs**

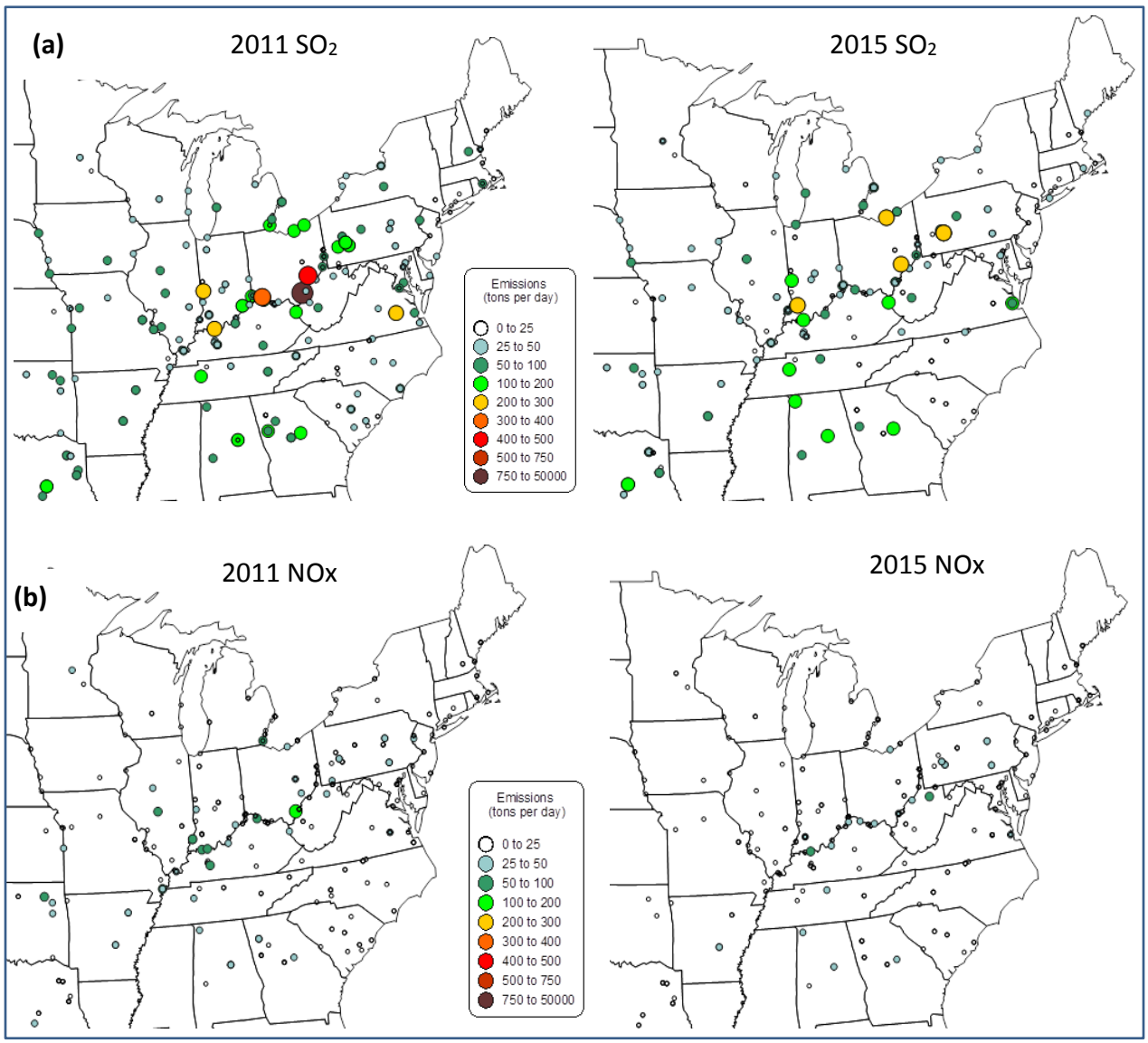
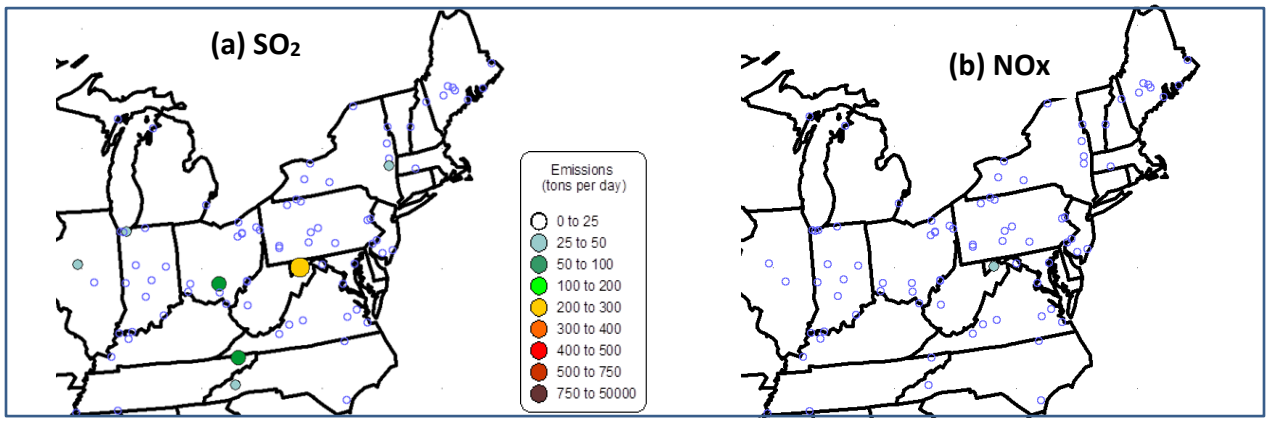


**Figure 14: 2011 Hourly $SO_2$ Emissions (a) and 2011 Hourly $NO_X$ Emissions (b) for the Industrial Facilities**




Industrial and institutional emissions modeled as Large Emitting Stacks and Small Accumulated Emissions reflect over 99% of the $SO_2$ emissions from the 82 MANE-VU selected facilities, and more than 94% of the $NO_X$ emissions.

***Stack Parameters***

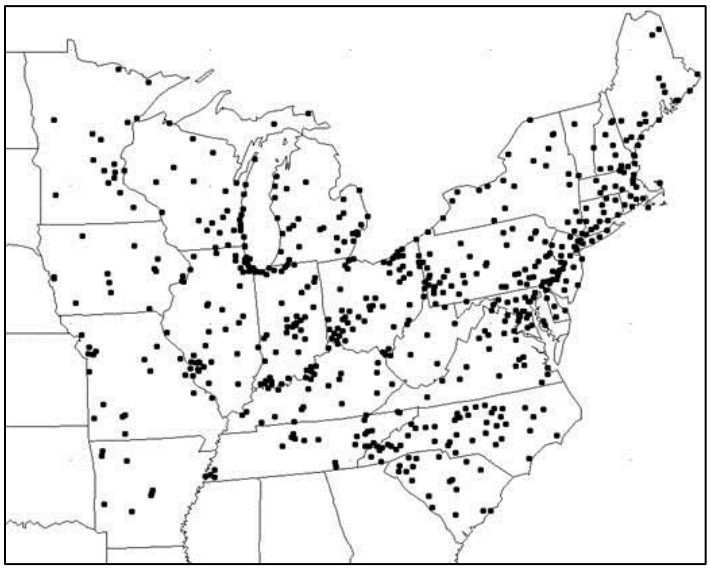
Stack parameters (stack height, diameter, exit velocity, exhaust temperature, and coordinates) were obtained from the MARAMA 2011 Beta modeling inventory (McDill, McCusker and Sabo 2016), NHDES used Google Earth to estimate base elevations using the latitude/longitude coordinates provided in the MARAMA inventory. A FORTRAN program was used to convert the latitude/longitude coordinates into X,Y coordinates consistent with the Lambert Conformal projection of the CALPUFF modeling platform. In some cases, several units emit through a single stack. In these instances, NHDES grouped these units to the one stack adding their emission values together to create a single model run for that stack.

When the stack parameters or annual emissions for the EGU units were not found in the MARAMA Beta Inventory and/or when 95$^{th}$ emissions were not found in the CAMD database, assumptions and/or data alterations were made. All assumptions were documented and can be found in Appendix D**.**

***Background Ozone Data***

The MESOPUFF II chemistry scheme used in the CALPUFF modeling requires the specification of an ozone background level. For each of the meteorological years modeled, hourly background ozone data was compiled and input into the model by means of an external hourly ozone data file. Hourly ozone data sets for calendar years 2002, 2011 and 2015 were downloaded from EPA's Technology Transfer Network Air Quality System - https://www.epa.gov/aqs (US EPA n.d.). 2002 ozone data was gathered from 425 stations; 615 stations were used for 2011, and 604 stations were used for 2015. Figure 15 displays the stations that were used to gather the 2015 background hourly ozone data.

**Figure 15: Ozone Monitoring Stations Used for 2015 Background Hourly Ozone Data**



***Meteorology***

Meteorology files for the years of 2002, 2011, and 2015 were created by VTDEC using methodology the described in Section 2.2.

## 3.2 Modeling Phases

2016 CALPUFF modeling was performed in a total of seven phases to include different combinations of emission type (EGU 95$^{th}$ percentile or annual, industrial typical), emission years (2011 or 2015) and meteorological data (2002, 2011, or 2015). A summary of the emission sources that were included in each modeling phase can be found in Appendix A. Each individual phase is described in more detail below (the number of stacks modeled in each phase is shown in parentheses):

**Phase I:** A comprehensive list of all EGU emissions sources selected for 2016 CALPUFF modeling were modeled using 2011 95$^{th}$ percentile $SO_2$ and $NO_X$ emissions, 2002 meteorology, and 2002 ozone background data. This phase was used as a screening test of sources to determine which sources should undergo further analyses. **(308 Stacks)**[2]

**Phase II:** A subset of EGU sources from Phase I were remodeled using 2011 annual emissions (rather than the 95$^{th}$ percentile), 2002 meteorology, and 2002 ozone background data. It was expected that the results would differ significantly from Phase I in some cases because many sources do not run every day. **(81 Stacks)**

**Phase III:** A subset of EGUs was modeled that had modeled Phase I visibility extinctions at any Class I area of one inverse megameters ($Mm^{-1}$) or more (and had not shut down by

[2] One stack is equal to one modeling run

2016). Phase III used 2011 meteorology, 2011 ozone background data, and 2011 95th $SO_2$ and $NO_X$ percentile emissions. These runs serve as the base for MANE-VU analyses. **(163 Stacks)**

**Phase IV:** This phase is similar to Phase II, using 2011 annual emissions but with 2011 meteorology. This phase compared with Phase II allows a comparison of meteorology changes occurring between 2002 and 2011. **(127 Stacks)**

**Phase V:** This phase used 2015 meteorology and 2011 95th percentile $SO_2$ and $NO_X$ emissions. This phase, when compared with Phases I and III serves as a comparison of meteorology changes occurring between 2002, 2011 and 2015. **(132 Stacks)**

**Phase VI:** The sixth phase of modeling pairs 2015 meteorology with 2015 95th percentile $SO_2$ and $NO_X$ emissions to reflect most recent conditions. This phase includes the same sources modeled in Phase IV minus sources that have shut down or otherwise reduced $SO_2$ emissions to levels below 10 lb/hr. This phase, when compared to Phase V serves as a comparison of emissions changes occurring between 2011 and 2015. **(159 Stacks)**

**Phase VII:** The seventh phase of modeling pairs 2002, 2011 and 2015 meteorology with 2011 estimated daily industrial and institutional $SO_2$ and $NO_X$ emissions. This phase includes two groupings of facilities; the first includes **Large Emitting Stacks** consisting of industrial/institutional stacks with 200 lb/hr and greater of $SO_2$ emissions. The second includes **Accumulated Emissions** consisting of facility-wide emissions (not included in the Large Stacks category). The groupings include consideration of not just large emitting stacks, but also over 99% of the $SO_2$ emissions at 82 industrial/institutional facilities. **(139 Stacks)**

## 3.3 Output Processing

Once the dispersion modeling with CALPUFF was completed, the CALPOST post-processor was used to extract predicted sulfate and nitrate concentrations for a set of receptors covering eleven Class I areas in and near the MANE-VU region. The CALPOST output data is then imported into an Excel output processing spreadsheet created by NHDES that automatically finds the maximum 24-hour sulfate and nitrate modeling concentration for each of the eleven selected Class I areas.

A routine programmed into the Excel spreadsheet mathematically converts predicted sulfate concentrations to ammonium sulfate concentrations, and nitrate concentrations to ammonium nitrate concentrations. The spreadsheet also calculates an estimated change in light extinction for each modeled emission source based on its predicted ammonium sulfate and ammonium nitrate impacts at each Class I area. These calculations are based on FLAG guidance equations for reconstructed light extinction. Additional spreadsheet calculations include emission source relative visibility changes in deciviews for the 20% best and 20% worst visibility days for each Class I area. Average 20% best and 20% worst visibility extinction values were derived from 2011 IMPROVE data for each Class I area (note: On January 10, 2017, EPA published a final rule regarding amendments to state plans for protection of visibility (82 FR 3078). This rule

incorporates a new methodology based on the 20% "most impaired" days. EPA also published an associated draft guidance for the second implementation period of the regional haze rule. However, EPA has not finalized this draft guidance. Therefore this 2016 CALPUFF analysis was based on the 20% "worst days" metric.). Visibility in deciviews was calculated with and without the modeled extinction increment, and the difference between the two provided an estimate for changes in deciviews under different visibility conditions. It should be noted that the methodology of using 95th percentile emissions produces a very conservative (i.e. high bound) impact assessment representing potential impact when certain conditions combine. The modeling results are even more conservative in that the 95$^{th}$ percentile daily $NO_X$ emissions and 95$^{th}$ percentile daily $SO_2$ emissions may occur on different operational days for each EGU. Yet it is assumed in the modeling that both occur every day of the year so all meteorological conditions are considered with peak emissions.

Calculations for visibility extinction and deciviews can be found in Appendix E.

## 3.4 Quality Assurance

NHDES carried out quality assurance for every step of the modeling process. A second, and in some cases third, analyst reviewed and reproduced modeling input files and results. All modeling parameters and emissions were cross referenced for consistency.

To ensure accurate emissions, the ratio of annual emissions in tons per year divided by 365 was compared to 95$^{th}$ percentile emissions in tons per day (see equation below). By definition, the 95$^{th}$ percentile is the value below which 95 percent of the values lie; five percent of the values are above the 95$^{th}$ percentile. Therefore, the average daily emissions calculated from the annual emissions should never be greater than the 95$^{th}$ percentile. That is, the ratio derived from the equation below should be less than 1.00. When the ratio was above 1.00 or emissions seemed unrealistically high or low, analysts checked the 95$^{th}$ emissions and annual emissions for accuracy.

$$[(\text{Annual Emission Value}/365)] / (95^{th}\ \text{Percentile Emission Value}) = X$$

Once all emissions and stack parameters were collected and organized, analysts entered these parameters into the input files with which CALPUFF is run. To confirm that this information and the meteorological data were entered correctly, a secondary analyst checked all input files completed by the first analyst. For some CALPUFF runs, one staff member acted as the primary analyst; for other runs, the staff members switched roles. In this manner, analysts did a fairly equal amount of run production and quality assurance.

With modeling runs complete, staff reviewed the results and looked for unexpectedly high or low values. Where outputs were questioned, the runs were redone. Furthermore, to catch any lingering mistakes in input files, output calculations, or other parts of the process, a third staff member independently recreated and reran all EGU modeling runs, compared the results with the original outputs, and corrected some minor differences. For the industrial runs, all runs were not redone, but input files were recreated and checked against the original files.

# 4.0 2016 MANE-VU Modeling Results

This report section provides an overview of modeling results. Because of the large number of emission sources, scenarios, and Class I areas, there are many ways to review the results. This report focuses on basic reporting of the modeling performed. Future report addendums can be added to consider additional analyses. A complete list of modeling results for all sources and modeling phases can be found in Appendix F.

Section 4.1 below provides tables of top-ten 2011 and 2015 EGU emission sources and top-five 2011 ICI sources impacting each of the eleven regional Class I areas. Section 4.2 provides the top 25 impacting EGUs and ICI facilities for five MANE-VU and two nearby Class I areas in a graphical format; section 4.3 presents comparative information regarding 95$^{th}$ percentile and annual emissions; section 4.4 examines effects of meteorology; and section 4.5 presents visibility impacts to MANE-VU Class I areas by state.

## 4.1 2011 Top-10 Visibility Impacting Units to Regional Class I Areas

Tables 1 through 33 below list the top 10 contributors to the Class I areas modeled in Phases I, III, V, VI and VII (phases can be referenced in section 3.2). Rankings for the different phases are divided into three tables for each Class I area as follows.

The first table in each set gives the top 10 contributors based on maximum impacts among Phases I, III, and V; each of these phases represent 2011 95$^{th}$ percentile emissions impacts, but differ in the year of meteorology (2002, 2011, or 2015). For comparison, this table also provides modeling results (shown in red text) from Phase VI: 2015 95$^{th}$ percentile emissions with 2015 meteorology.

The second table in each set presents rankings based on modeling with 2015 emissions for all meteorology years. Note that only the 2015 meteorology year is based on modeled outputs (Phase VI); extinction values for the 2002 and 2011 meteorology years are estimated using emissions ratios. This table also compares these 2015 results to the maximum 2011 95$^{th}$ percentile emission impacts (shown in red text) among the three years of meteorology. This table is organized similarly to the first table, except that rankings are by impacts given 2015 emissions rather than 2011 emissions; likewise, the results for the top 10 2015 contributors are compared to those facilities' maximum 2011 impacts, rather than vice versa.

The third table includes the top five ICI facilities modeled with 2011 typical emissions for all three years of meteorology (Phase VII). All three tables also provide the distance of each top ranking facility from the relevant Class I area.

To clarify how contributing facilities are ranked, the maximum values upon which each are ranked are bolded in blue font. The emission sources are in descending order according to the maximum visibility extinction for each 95$^{th}$ percentile emission source over three years of meteorology. For example, Table 1 shows that the Kyger Creek facility had the highest rank for Acadia for 2011 95$^{th}$ percentile emissions. This facility had a maximum predicted extinction value of 22.1 inverse megameters (Mm$^{-1}$), which occurred for the 2002 meteorological year. The Muskingum River facility ranked second based on a maximum predicted extinction of 9.4 Mm$^{-1}$, which also occurred for the 2002 meteorological year. Chesterfield Power Station ranked

third based on a maximum predicted extinction of 9.3 $Mm^{-1}$, which occurred for the 2015 meteorological year. Walter C Beckford Generating Station (Unit 6) ranked 10$^{th}$ based on a predicted maximum extinction of 6.3 $Mm^{-1}$, which occurred for the 2002 meteorology year.

## *Acadia, ME*

### Table 1: 2011 Acadia National Park Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | 22.1 | 19.8 | 13.9 | 1.2 | 806 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | 9.4 | 7.5 | 4.8 | 2.3 | 762 |
| 3 | VA | Chesterfield Power Station | 3797 | 5 | 6.2 | 7.4 | 9.3 | 0.2 | 677 |
| 4 | MA | Brayton Point | 1619 | 3 | 6.4 | 8.9 | 5.8 | 0.8 | 234 |
| 5 | NH | Merrimack | 2364 | 2 | 8.7 | 8.3 | 8.2 | 1.7 | 180 |
| 6 | MI | Monroe | 1733 | 1,2 | 4.6 | 4.3 | 7.2 | 0.4 | 778 |
| 7 | OH | Avon Lake Power Plant | 2836 | 12 | 5.2 | 4.8 | 7.1 | 9.1 | 723 |
| 8 | PA | Homer City | 3122 | 2 | 6.6 | 2.9 | 3.0 | 8.1 | 616 |
| 9 | PA | Homer City | 3122 | 1 | 6.6 | 2.9 | 3.0 | 9.3 | 616 |
| 10 | OH | Walter C Beckford Generating Station | 0 | 6 | 6.3 | 5.9 | 4.7 | -- | 904 |

### Table 2: 2015 Acadia National Park Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | PA | Homer City | 3122 | 1 | 9.3 | 4.0 | 4.2 | 6.6 | 616 |
| 2 | OH | Avon Lake Power Plant | 2836 | 12 | 6.7 | 6.2 | 9.1 | 7.1 | 723 |
| 3 | PA | Homer City | 3122 | 2 | 8.1 | 3.6 | 3.7 | 6.6 | 616 |
| 4 | ME | William F Wyman | 1507 | 4 | 5.6 | 3.5 | 4.9 | 2.7 | 102 |
| 5 | OH | Muskingum River | 2872 | 5 | 4.6 | 3.5 | 2.3 | 2.9 | 762 |
| 6 | VA | Yorktown Power Station | 3809 | 3 | 4.4 | 3.2 | 4.1 | 1.3 | 652 |
| 7 | MA | Brayton Point | 1619 | 4 | 2.6 | 4.3 | 2.8 | 1.4 | 234 |
| 8 | PA | Shawville | 3131 | 3,4 | 3.3 | 2.2 | 1.6 | 3.5 | 560 |
| 9 | MA | Canal Station | 1599 | 1 | 2.5 | 3.0 | 2.0 | 2.0 | 210 |
| 10 | NH | Newington | 8002 | 1 | 2.8 | 2.5 | 2.8 | 2.7 | 152 |

### Table 3: 2011 Acadia National Park Top-5 Visibility Impairing Industrial/Institutional Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | ME | The Jackson Laboratory | 7945211 | All | 9.0 | 5.7 | 5.8 | 4 |
| 2 | MD | Luke Paper Company | 7763811 | All | 5.1 | 4.4 | 5.2 | 648 |
| 3 | ME | Sappi - Somerset | 8200111 | All | 1.4 | 1.6 | 2.0 | 72 |
| 4 | ME | Woodland Pulp LLC | 5974211 | All | 0.8 | 1.8 | 1.5 | 71 |
| 5 | NY | Lafarge Building Materials Inc. | 8105211 | All | 1.7 | 1.5 | 1.0 | 306 |

***Brigantine, NJ***

**Table 4: 2011 Brigantine National Wildlife Area Top-10 Visibility Impairing EGU Point Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | **41.7** | 32.5 | 18.1 | 2.3 | 417 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | 9.8 | **17.7** | 8.3 | 4.4 | 390 |
| 3 | VA | Chesterfield Power Station | 3797 | 5 | 14.3 | **16.4** | 12.1 | 0.5 | 217 |
| 4 | NJ | B L England | 2378 | 1 | **12.0** | 4.2 | 2.4 | -- | 17 |
| 5 | OH | Walter C Beckford Generating Station | 0 | 6 | **8.8** | 6.8 | 5.0 | -- | 532 |
| 6 | MD | Chalk Point | 1571 | 1,2 | 4.2 | 5.0 | **7.9** | 1.5 | 138 |
| 7 | VA | Yorktown Power Station | 3809 | 1,2 | 5.6 | 5.6 | **7.6** | 7.0 | 189 |
| 8 | WV | Harrison Power Station | 0 | 1 (25%), 2 (20%) | 1.3 | **6.7** | 1.9 | 7.0 | 319 |
| 9 | PA | Homer City | 3122 | 2 | 3.9 | 5.5 | **6.2** | 8.1 | 267 |
| 10 | NJ | B L England | 2378 | 2,3 | **6.1** | 1.9 | 1.2 | 5.6 | 17 |

**Table 5: 2015 Brigantine Top-10 Visibility Impairing EGU Point Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | VA | Yorktown Power Station | 3809 | 3 | 9.5 | 6.9 | **10.9** | 3.3 | 189 |
| 2 | PA | Homer City | 3122 | 1 | 5.8 | 8.3 | **9.2** | 6.0 | 267 |
| 3 | PA | Homer City | 3122 | 2 | 5.0 | 7.3 | **8.1** | 6.2 | 267 |
| 4 | OH | Muskingum River | 2872 | 5 | 4.9 | **7.7** | 3.8 | 4.8 | 390 |
| 5 | WV | Harrison Power Station | 0 | 1 (25%), 2 (20%) | 1.3 | **7.0** | 2.0 | 6.7 | 319 |
| 6 | VA | Yorktown Power Station | 3809 | 1,2 | 5.1 | 5.1 | **7.0** | 7.6 | 189 |
| 7 | OH | Avon Lake Power Plant | 2836 | 12 | 3.5 | 6.4 | **6.7** | 5.2 | 429 |
| 8 | NJ | B L England | 2378 | 2,3 | **5.6** | 1.7 | 1.1 | 6.1 | 17 |
| 9 | OH | Muskingum River | 2872 | 1,2,3,4 | 2.5 | **4.4** | 2.1 | 17.7 | 390 |
| 10 | PA | Montour | 3149 | 1 | 1.4 | **4.4** | 4.2 | 4.8 | 167 |

**Table 6: 2011 Brigantine Top-5 Visibility Impairing Industrial/Institutional Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | MD | Luke Paper Company | 7763811 | All | 7.0 | **12.5** | 7.9 | 250 |
| 2 | MD | Sparrows Point, LLC | 8239711 | All | 0.8 | **2.5** | 1.5 | 114 |
| 3 | TN | Eastman Chemical Company | 3982311 | All | 1.4 | 1.0 | **2.2** | 488 |
| 4 | VA | Smurfit Stone Container Corp - West Point | 4182011 | All | 1.3 | **2.1** | 1.7 | 185 |
| 5 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | All | 0.9 | **1.7** | 0.6 | 9 |

***Lye Brook, VT***

**Table 7: 2011 Lye Brook Top-10 Visibility Impairing EGU Point Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | 20.4 | 25.7 | 22.0 | 1.2 | 556 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | 11.4 | 6.7 | 9.5 | 2.8 | 510 |
| 3 | NH | Merrimack | 2364 | 2 | 5.5 | 11.0 | 2.3 | 3.3 | 79 |
| 4 | VA | Chesterfield Power Station | 3797 | 5 | 3.5 | 4.2 | 7.7 | 0.2 | 459 |
| 5 | OH | Walter C Beckford Generating Station | 0 | 6 | 7.7 | 6.0 | 5.6 | -- | 652 |
| 6 | PA | Homer City | 3122 | 2 | 6.0 | 6.3 | 5.7 | 7.7 | 365 |
| 7 | PA | Homer City | 3122 | 1 | 5.9 | 6.2 | 5.6 | 8.6 | 365 |
| 8 | NY | Cayuga Operating Company, LLC | 0 | 1 (33%), 2 (33%) | 2.2 | 5.8 | 2.6 | 1.9 | 186 |
| 9 | OH | Avon Lake Power Plant | 2836 | 12 | 3.4 | 5.2 | 5.6 | 7.2 | 474 |
| 10 | NH | Merrimack | 2364 | 1 | 2.7 | 5.3 | 1.1 | 1.3 | 79 |

**Table 8: 2015 Lye Brook Top-10 Visibility Impairing EGU Point Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | PA | Homer City | 3122 | 1 | 8.3 | 8.6 | 7.9 | 6.2 | 365 |
| 2 | PA | Homer City | 3122 | 2 | 7.3 | 7.7 | 6.9 | 6.3 | 365 |
| 3 | OH | Avon Lake Power Plant | 2836 | 12 | 4.3 | 6.7 | 7.2 | 5.6 | 474 |
| 4 | OH | Muskingum River | 2872 | 5 | 5.6 | 3.7 | 5.1 | 3.4 | 510 |
| 5 | VA | Yorktown Power Station | 3809 | 3 | 2.1 | 3.1 | 5.0 | 1.5 | 446 |
| 6 | ME | William F Wyman | 1507 | 4 | 0.8 | 4.6 | 1.7 | 2.3 | 151 |
| 7 | NH | Merrimack | 2364 | 2 | 1.6 | 3.3 | 0.7 | 11.0 | 79 |
| 8 | PA | Keystone | 3136 | 1 | 2.7 | 3.2 | 2.8 | 4.2 | 366 |
| 9 | KY | Big Sandy | 1353 | BSU1,BSU2 | 2.2 | 2.9 | 3.1 | 3.6 | 607 |
| 10 | PA | Keystone | 3136 | 2 | 2.6 | 3.1 | 2.7 | 4.2 | 366 |

**Table 9: 2011 Lye Brook Top-5 Visibility Impairing Industrial/Institutional Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | MD | Luke Paper Company | 7763811 | All | 7.2 | 9.5 | 10.8 | 401 |
| 2 | NY | Lafarge Building Materials Inc. | 8105211 | All | 3.0 | 8.1 | 2.8 | 59 |
| 3 | NY | Finch Paper LLC | 8325211 | All | 5.2 | 7.6 | 4.6 | 33 |
| 4 | ME | Sappi - Somerset | 8200111 | All | 0.5 | 1.8 | 1.0 | 201 |
| 5 | IN | Arcelormittal Burns Harbor Inc. | 7376511 | All | 0.8 | 1.5 | 0.8 | 727 |

## *Moosehorn, ME*

### Table 10: 2011 Moosehorn Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | 17.6 | 16.2 | 16.0 | 0.9 | 869 |
| 2 | MI | Monroe | 1733 | 1,2 | 4.8 | 4.7 | 7.9 | 0.5 | 832 |
| 3 | VA | Chesterfield Power Station | 3797 | 5 | 5.7 | 5.3 | 7.9 | 0.2 | 744 |
| 4 | MA | Brayton Point | 1619 | 3 | 7.0 | 6.6 | 4.3 | 0.6 | 301 |
| 5 | OH | Muskingum River | 2872 | 1,2,3,4 | 6.5 | 4.7 | 4.4 | 1.6 | 823 |
| 6 | OH | Walter C Beckford Generating Station | 0 | 6 | 5.4 | 5.9 | 3.0 | -- | 964 |
| 7 | NH | Merrimack | 2364 | 2 | 5.5 | 5.3 | 5.8 | 1.0 | 244 |
| 8 | OH | Avon Lake Power Plant | 2836 | 12 | 5.2 | 3.5 | 4.6 | 6.8 | 779 |
| 9 | IN | Rockport | 6166 | MB1,MB2 | 4.1 | 2.8 | 2.5 | 2.8 | 1,129 |
| 10 | PA | Homer City | 3122 | 2 | 3.9 | 3.0 | 2.6 | 4.8 | 678 |

### Table 11: 2015 Moosehorn Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | OH | Avon Lake Power Plant | 2836 | 12 | 6.8 | 4.5 | 6.0 | 5.2 | 779 |
| 2 | PA | Homer City | 3122 | 1 | 5.6 | 4.2 | 3.7 | 3.8 | 678 |
| 3 | ME | William F Wyman | 1507 | 4 | 5.1 | 3.6 | 3.2 | 2.5 | 166 |
| 4 | PA | Homer City | 3122 | 2 | 4.8 | 3.7 | 3.3 | 3.9 | 678 |
| 5 | VA | Yorktown Power Station | 3809 | 3 | 4.4 | 2.3 | 3.5 | 1.4 | 719 |
| 6 | MA | Brayton Point | 1619 | 4 | 3.4 | 3.6 | 2.0 | 1.2 | 301 |
| 7 | OH | Muskingum River | 2872 | 5 | 3.2 | 2.1 | 2.1 | 2.0 | 823 |
| 8 | MA | Canal Station | 1599 | 1 | 2.3 | 2.8 | 1.6 | 1.9 | 277 |
| 9 | IN | Rockport | 6166 | MB1,MB2 | 2.8 | 1.9 | 1.7 | 4.1 | 1,129 |
| 10 | MA | Canal Station | 1599 | 2 | 2.2 | 2.8 | 1.3 | 1.5 | 277 |

### Table 12: 2011 Moosehorn Top-5 Visibility Impairing Industrial/Institutional Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | ME | Woodland Pulp LLC | 5974211 | All | 5.7 | 3.4 | 3.5 | 10 |
| 2 | MD | Luke Paper Company | 7763811 | All | 3.8 | 4.5 | 3.3 | 712 |
| 3 | ME | Sappi - Somerset | 8200111 | All | 1.6 | 1.1 | 0.8 | 117 |
| 4 | NY | Lafarge Building Materials Inc. | 8105211 | All | 1.2 | 1.0 | 0.7 | 369 |
| 5 | OH | P. H. Glatfelter Company - Chillicothe Facility | 8131111 | All | 1.1 | 0.7 | 0.7 | 892 |

## *Campobello/Roosevelt International Park, ME/NS*

### Table 13: 2011 Campobello/Roosevelt International Park Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | 17.6 | 16.8 | 14.3 | 0.9 | 880 |
| 2 | VA | Chesterfield Power Station | 3797 | 5 | 5.3 | 5.0 | 8.2 | 0.2 | 750 |
| 3 | MA | Brayton Point | 1619 | 3 | 7.9 | 5.3 | 4.1 | 0.7 | 305 |
| 4 | MI | Monroe | 1733 | 1,2 | 4.1 | 3.8 | 7.4 | 0.4 | 847 |
| 5 | OH | Muskingum River | 2872 | 1,2,3,4 | 6.8 | 4.8 | 3.7 | 1.7 | 835 |
| 6 | OH | Walter C Beckford Generating Station | 0 | 6 | 5.2 | 5.4 | 3.0 | -- | 977 |
| 7 | NH | Merrimack | 2364 | 2 | 5.2 | 5.1 | 4.6 | 1.0 | 254 |
| 8 | OH | Avon Lake Power Plant | 2836 | 12 | 4.6 | 2.7 | 4.3 | 5.9 | 794 |
| 9 | IN | Rockport | 6166 | MB1,MB2 | 3.9 | 2.6 | 2.3 | 2.7 | 1,142 |
| 10 | OH | Eastlake | 0 | 5 | 3.0 | 2.7 | 3.6 | -- | 760 |

### Table 14: 2015 Campobello Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | OH | Avon Lake Power Plant | 2836 | 12 | 5.9 | 3.5 | 5.6 | 4.6 | 794 |
| 2 | PA | Homer City | 3122 | 1 | 5.1 | 3.7 | 3.4 | 3.6 | 690 |
| 3 | VA | Yorktown Power Station | 3809 | 3 | 4.5 | 2.5 | 3.7 | 1.4 | 724 |
| 4 | PA | Homer City | 3122 | 2 | 4.5 | 3.3 | 3.0 | 3.6 | 690 |
| 5 | ME | William F Wyman | 1507 | 4 | 4.2 | 3.3 | 2.6 | 2.1 | 176 |
| 6 | MA | Brayton Point | 1619 | 4 | 3.7 | 3.4 | 1.9 | 1.2 | 305 |
| 7 | OH | Muskingum River | 2872 | 5 | 3.3 | 2.2 | 1.7 | 2.1 | 835 |
| 8 | MA | Canal Station | 1599 | 1 | 2.9 | 2.4 | 1.9 | 2.0 | 279 |
| 9 | PA | Shawville | 3131 | 3,4 | 2.7 | 1.9 | 1.2 | 2.8 | 633 |
| 10 | IN | Rockport | 6166 | MB1,MB2 | 2.7 | 1.8 | 1.5 | 3.9 | 1,142 |

### Table 15: 2011 Campobello Top-5 Visibility Impairing Industrial/Institutional Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | MD | Luke Paper Company | 7763811 | All | 4.0 | 4.0 | 3.0 | 722 |
| 2 | ME | Woodland Pulp LLC | 5974211 | All | 2.7 | 1.7 | 2.4 | 29 |
| 3 | ME | Sappi - Somerset | 8200111 | All | 2.3 | 1.4 | 0.9 | 132 |
| 4 | NY | Lafarge Building Materials Inc. | 8105211 | All | 1.3 | 1.0 | 0.7 | 380 |
| 5 | OH | P. H. Glatfelter Company - Chillicothe Facility | 8131111 | All | 1.1 | 0.6 | 0.6 | 904 |

## *Great Gulf, NH*

### Table 16: 2011 Great Gulf Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | 18.7 | 21.2 | 12.7 | 1.4 | 673 |
| 2 | NH | Merrimack | 2364 | 2 | 3.3 | 7.2 | 6.4 | 2.9 | 81 |
| 3 | OH | Muskingum River | 2872 | 1,2,3,4 | 6.4 | 7.2 | 5.0 | 1.8 | 627 |
| 4 | OH | Avon Lake Power Plant | 2836 | 12 | 3.9 | 7.1 | 5.1 | 8.9 | 579 |
| 5 | MI | Monroe | 1733 | 1,2 | 3.6 | 5.7 | 5.1 | 0.5 | 632 |
| 6 | PA | Homer City | 3122 | 2 | 4.2 | 3.7 | 5.3 | 6.4 | 482 |
| 7 | PA | Homer City | 3122 | 1 | 4.2 | 3.6 | 5.3 | 7.3 | 482 |
| 8 | OH | Eastlake | 0 | 5 | 2.7 | 5.1 | 3.5 | -- | 546 |
| 9 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | 3.6 | 3.3 | 4.5 | 2.6 | 893 |
| 10 | OH | Walter C Beckford Generating Station | 0 | 6 | 4.4 | 4.5 | 3.0 | -- | 766 |

### Table 17: 2015 Great Gulf Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | OH | Avon Lake Power Plant | 2836 | 12 | 5.0 | 8.9 | 6.4 | 7.1 | 579 |
| 2 | PA | Homer City | 3122 | 1 | 5.8 | 5.1 | 7.3 | 5.3 | 482 |
| 3 | PA | Homer City | 3122 | 2 | 5.1 | 4.5 | 6.4 | 5.3 | 482 |
| 4 | ME | William F Wyman | 1507 | 4 | 2.9 | 4.1 | 2.7 | 1.9 | 66 |
| 5 | OH | Muskingum River | 2872 | 5 | 3.2 | 3.6 | 2.4 | 2.2 | 627 |
| 6 | VA | Yorktown Power Station | 3809 | 3 | 2.1 | 1.4 | 3.6 | 1.1 | 560 |
| 7 | KY | Big Sandy | 1353 | BSU1,BSU2 | 2.2 | 2.9 | 1.7 | 2.6 | 726 |
| 8 | NH | Merrimack | 2364 | 2 | 1.3 | 2.9 | 2.6 | 7.2 | 81 |
| 9 | WV | Harrison Power Station | 0 | 1 (25%), 2 (20%) | 1.0 | 2.8 | 1.3 | 2.7 | 578 |
| 10 | GA | Harllee Branch | 709 | 3&4 | 2.8 | 0.9 | 1.6 | 3.2 | 1,003 |

### Table 18: 2011 Great Gulf Top-5 Visibility Impairing Industrial/Institutional Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | MD | Luke Paper Company | 7763811 | All | 4.6 | 5.8 | 6.9 | 522 |
| 2 | ME | Sappi - Somerset | 8200111 | All | 0.5 | 3.1 | 0.7 | 84 |
| 3 | NY | Finch Paper LLC | 8325211 | All | 0.5 | 1.7 | 1.3 | 137 |
| 4 | NY | Lafarge Building Materials Inc. | 8105211 | All | 1.4 | 0.9 | 1.4 | 179 |
| 5 | ME | Verso Paper - Androscoggin Mill | 7764711 | All | 0.4 | 1.4 | 0.2 | 52 |

***Presidential Range/Dry River, NH***

**Table 19: 2011 Presidential Range/Dry River Top-10 Visibility Impairing EGU Point Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | 18.7 | 21.9 | 14.2 | 1.4 | 666 |
| 2 | NH | Merrimack | 2364 | 2 | 4.9 | 7.9 | 7.0 | 3.1 | 72 |
| 3 | OH | Avon Lake Power Plant | 2836 | 12 | 4.0 | 7.3 | 5.8 | 9.2 | 574 |
| 4 | OH | Muskingum River | 2872 | 1,2,3,4 | 7.3 | 7.1 | 5.0 | 1.8 | 619 |
| 5 | MI | Monroe | 1733 | 1,2 | 3.9 | 6.0 | 5.2 | 0.5 | 627 |
| 6 | PA | Homer City | 3122 | 2 | 4.6 | 3.9 | 5.4 | 6.5 | 475 |
| 7 | PA | Homer City | 3122 | 1 | 4.6 | 3.8 | 5.3 | 7.4 | 475 |
| 8 | OH | Eastlake | 0 | 5 | 2.7 | 5.3 | 3.9 | -- | 540 |
| 9 | OH | Walter C Beckford Generating Station | 0 | 6 | 4.8 | 4.3 | 3.7 | -- | 759 |
| 10 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | 3.6 | 3.6 | 4.6 | 2.6 | 887 |

**Table 20: 2015 Presidential Top-10 Visibility Impairing EGU Point Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | OH | Avon Lake Power Plant | 2836 | 12 | 5.0 | 9.2 | 7.3 | 7.3 | 574 |
| 2 | PA | Homer City | 3122 | 1 | 6.3 | 5.3 | 7.4 | 5.3 | 475 |
| 3 | PA | Homer City | 3122 | 2 | 5.6 | 4.7 | 6.5 | 5.4 | 475 |
| 4 | ME | William F Wyman | 1507 | 4 | 3.9 | 4.2 | 3.3 | 2.0 | 65 |
| 5 | VA | Yorktown Power Station | 3809 | 3 | 2.4 | 1.5 | 3.7 | 1.1 | 551 |
| 6 | OH | Muskingum River | 2872 | 5 | 3.6 | 3.6 | 2.4 | 2.2 | 619 |
| 7 | NH | Merrimack | 2364 | 2 | 2.0 | 3.1 | 2.8 | 7.9 | 72 |
| 8 | KY | Big Sandy | 1353 | BSU1, BSU2 | 2.3 | 3.1 | 1.8 | 3.6 | 718 |
| 9 | IN | Rockport | 6166 | MB1,MB2 | 2.0 | 3.0 | 1.4 | 4.2 | 924 |
| 10 | WV | Harrison Power Station | 0 | 1 (25%), 2 (20%) | 1.1 | 3.0 | 1.3 | 2.8 | 995 |

**Table 21: 2011 Presidential Top-5 Visibility Impairing Industrial/Institutional Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | MD | Luke Paper Company | 7763811 | All | 5.5 | 6.4 | 7.3 | 514 |
| 2 | ME | Sappi - Somerset | 8200111 | All | 0.5 | 3.5 | 1.2 | 90 |
| 3 | NY | Finch Paper LLC | 8325211 | All | 0.5 | 2.1 | 1.3 | 130 |
| 4 | NY | Lafarge Building Materials Inc. | 8105211 | All | 1.8 | 1.1 | 1.5 | 171 |
| 5 | IN | Arcelormittal Burns Harbor Inc. | 7376511 | All | 0.4 | 1.0 | 1.2 | 818 |

***Dolly Sods, WV***

**Table 22: 2011 Dolly Sods Top-10 Visibility Impairing EGU Point Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | **77.3** | 61.3 | 49.4 | 5.1 | 150 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | 24.3 | 18.2 | **25.0** | 6.3 | 130 |
| 3 | OH | Walter C Beckford Generating Station | 0 | 6 | **14.4** | 11.2 | 7.4 | -- | 266 |
| 4 | PA | Cheswick | 8226 | 1 | **12.1** | 11.0 | 9.3 | 4.1 | 106 |
| 5 | KY | Big Sandy | 1353 | BSU1, BSU2 | **11.8** | 11.0 | 8.1 | 10.3 | 187 |
| 6 | PA | Homer City | 3122 | 2 | **11.3** | 11.2 | 9.4 | 14.3 | 102 |
| 7 | PA | Homer City | 3122 | 1 | **11.2** | 11.0 | 9.2 | 16.3 | 102 |
| 8 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | 9.2 | **11.1** | 9.0 | 6.3 | 433 |
| 9 | MI | Monroe | 1733 | 1,2 | 8.1 | 11.0 | **11.0** | 1.1 | 288 |
| 10 | OH | Avon Lake Power Plant | 2836 | 12 | 10.5 | 7.8 | **10.8** | 13.7 | 222 |

**Table 23: 2015 Dolly Sods Top-10 Visibility Impairing EGU Point Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | PA | Homer City | 3122 | 1 | **16.3** | 16.1 | 13.5 | 11.2 | 102 |
| 2 | PA | Homer City | 3122 | 2 | **14.3** | 14.2 | 11.9 | 11.3 | 102 |
| 3 | OH | Avon Lake Power Plant | 2836 | 12 | 13.4 | 9.9 | **13.7** | 10.8 | 222 |
| 4 | OH | Muskingum River | 2872 | 5 | 10.5 | 7.5 | **12.2** | 7.6 | 130 |
| 5 | WV | Harrison Power Station | 0 | 1 (25%), 2 (20%) | **11.4** | 9.1 | 9.7 | 10.8 | 58 |
| 6 | KY | Big Sandy | 1353 | BSU1,BSU 2 | **10.3** | 9.6 | 7.0 | 11.8 | 187 |
| 7 | WV | Kammer | 3947 | 1,2,3 | 6.2 | **7.4** | 7.2 | 7.7 | 96 |
| 8 | OH | Conesville | 2840 | 5,6 | 3.0 | 3.5 | **7.0** | 8.2 | 165 |
| 9 | OH | Gen J M Gavin | 8102 | 1 | **6.8** | 5.1 | 6.5 | 5.0 | 149 |
| 10 | OH | Muskingum River | 2872 | 1,2,3,4 | 6.1 | 4.6 | **6.3** | 25.0 | 130 |

**Table 24: 2011 Dolly Sods Top-5 Visibility Impairing Industrial/Institutional Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | MD | Luke Paper Company | 7763811 | All | 54.3 | 52.6 | **89.6** | 33 |
| 2 | TN | Eastman Chemical Company | 3982311 | All | 3.1 | **4.0** | 3.6 | 247 |
| 3 | OH | P. H. Glatfelter Company - Chillicothe Facility | 8131111 | All | 2.3 | 2.3 | **2.7** | 195 |
| 4 | PA | USS/Clairton Works | 8204511 | All | 1.4 | 1.5 | **2.3** | 92 |
| 5 | IN | Arcelormittal Burns Harbor Inc. | 7376511 | All | 1.6 | **1.9** | 1.4 | 448 |

## *Otter Creek, WV*

### Table 25: 2011 Otter Creek Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | **76.6** | 70.3 | 51.7 | 4.9 | 134 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | **34.2** | 19.7 | 24.0 | 8.7 | 117 |
| 3 | OH | Walter C Beckford Generating Station | 0 | 6 | 14.3 | **15.0** | 8.5 | -- | 251 |
| 4 | PA | Homer City | 3122 | 2 | **14.0** | 13.1 | 8.4 | 17.6 | 107 |
| 5 | PA | Homer City | 3122 | 1 | **13.8** | 12.8 | 8.2 | 20.0 | 107 |
| 6 | PA | Cheswick | 8226 | 1 | **13.5** | 12.1 | 9.2 | 5.1 | 106 |
| 7 | KY | Big Sandy | 1353 | BSU1, BSU2 | 12.3 | **12.7** | 9.6 | 11.1 | 171 |
| 8 | MI | Monroe | 1733 | 1,2 | 9.3 | **12.0** | 11.4 | 1.1 | 279 |
| 9 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | 9.7 | **11.5** | 9.2 | 6.5 | 419 |
| 10 | OH | Avon Lake Power Plant | 2836 | 12 | **11.3** | 8.5 | 11.3 | 14.2 | 215 |

### Table 26: 2015 Otter Creek Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | PA | Homer City | 3122 | 1 | **20.0** | 18.6 | 11.9 | 13.8 | 107 |
| 2 | PA | Homer City | 3122 | 2 | **17.6** | 16.5 | 10.5 | 14.0 | 107 |
| 3 | OH | Muskingum River | 2872 | 5 | **15.1** | 8.7 | 11.5 | 9.4 | 117 |
| 4 | OH | Avon Lake Power Plant | 2836 | 12 | **14.2** | 10.7 | 14.1 | 11.3 | 215 |
| 5 | WV | Harrison Power Station | 0 | 1 (25%), 2 (20%) | **11.2** | 9.9 | 11.0 | 10.6 | 46 |
| 6 | KY | Big Sandy | 1353 | BSU1,BSU2 | 10.7 | **11.**1 | 8.3 | 12.7 | 171 |
| 7 | OH | Muskingum River | 2872 | 1,2,3,4 | **8.7** | 5.0 | 6.1 | 34.2 | 117 |
| 8 | WV | Kammer | 3947 | 1,2,3 | 6.1 | 6.5 | **8.5** | 8.8 | 86 |
| 9 | OH | Gen J M Gavin | 8102 | 1 | **7.6** | 6.1 | 7.1 | 5.4 | 134 |
| 10 | OH | Conesville | 2840 | 5,6 | 2.8 | 4.0 | **7.2** | 8.4 | 145 |

### Table 27: 2011 Otter Creek Top-5 Visibility Impairing Industrial/Institutional Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | MD | Luke Paper Company | 7763811 | All | 46.7 | 30.9 | **50.2** | 45 |
| 2 | TN | Eastman Chemical Company | 3982311 | All | 3.4 | 4.3 | **3.5** | 234 |
| 3 | OH | P. H. Glatfelter Company - Chillicothe Facility | 8131111 | All | 2.2 | 2.5 | **2.6** | 181 |
| 4 | PA | USS/Clairton Works | 8204511 | All | 1.9 | 1.1 | **2.2** | 91 |
| 5 | IN | Arcelormittal Burns Harbor Inc. | 7376511 | All | 1.8 | **2.0** | 1.5 | 435 |

***James River Face, VA***

**Table 28: 2011 James River Face Top-10 Visibility Impairing EGU Point Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | 32.9 | **80.7** | 57.0 | 4.1 | 172 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | 20.2 | 20.8 | **32.4** | 7.6 | 184 |
| 3 | VA | Chesterfield Power Station | 3797 | 5 | 16.1 | **18.5** | 12.1 | 0.6 | 113 |
| 4 | OH | Walter C Beckford Generating Station | 0 | 6 | 15.8 | 12.4 | **17.2** | -- | 281 |
| 5 | PA | Homer City | 3122 | 2 | 3.8 | **9.7** | 7.1 | 12.1 | 202 |
| 6 | PA | Homer City | 3122 | 1 | 3.7 | **9.6** | 7.0 | 13.8 | 202 |
| 7 | OH | Muskingum River | 2872 | 5 | 5.5 | 5.6 | **9.1** | 14.9 | 184 |
| 8 | GA | Harllee Branch | 709 | 3&4 | **9.0** | 3.9 | 4.6 | 7.9 | 373 |
| 9 | KY | Big Sandy | 1353 | BSU1, BSU2 | 7.4 | **9.0** | 4.3 | 7.6 | 178 |
| 10 | OH | Avon Lake Power Plant | 2836 | 12 | **8.9** | 5.5 | 6.5 | 11.4 | 304 |

**Table 29: 2015 James River Face Top-10 Visibility Impairing EGU Point Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | OH | Muskingum River | 2872 | 5 | 9.0 | 9.1 | **14.9** | 9.1 | 184 |
| 2 | PA | Homer City | 3122 | 1 | 5.3 | **13.8** | 10.0 | 9.6 | 202 |
| 3 | PA | Homer City | 3122 | 2 | 4.7 | **12.1** | 8.8 | 9.7 | 202 |
| 4 | OH | Avon Lake Power Plant | 2836 | 12 | **11.4** | 7.1 | 8.3 | 8.9 | 304 |
| 5 | GA | Harllee Branch | 709 | 3&4 | **7.9** | 3.4 | 4.0 | 9.0 | 373 |
| 6 | KY | Big Sandy | 1353 | BSU1,BSU2 | 6.3 | **7.6** | 3.7 | 9.0 | 178 |
| 7 | OH | Muskingum River | 2872 | 1,2,3,4 | 4.7 | 4.9 | **7.6** | 32.4 | 184 |
| 8 | WV | Harrison Power Station | 0 | 1 (25%), 2 (20%) | 6.9 | 4.2 | **7.1** | 6.7 | 133 |
| 9 | VA | Yorktown Power Station | 3809 | 3 | 4.8 | **6.8** | 3.8 | 2.1 | 166 |
| 10 | OH | Gen J M Gavin | 8102 | 1 | 3.1 | **6.6** | 6.0 | 5.7 | 172 |

**Table 30: 2011 James River Face Top-5 Visibility Impairing Industrial/Institutional Sources**

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | MD | Luke Paper Company | 7763811 | All | **21.3** | 4.3 | 9.8 | 132 |
| 2 | VA | Gp Big Island LLC | 4183311 | All | 12.7 | **13.6** | 11.5 | 6 |
| 3 | OH | P. H. Glatfelter Company - Chillicothe Facility | 8131111 | All | 2.0 | 2.4 | **3.3** | 225 |
| 4 | TN | Eastman Chemical Company | 3982311 | All | 2.7 | **2.8** | 2.5 | 186 |
| 5 | IN | Arcelormittal Burns Harbor Inc. | 7376511 | All | 1.0 | **1.8** | 1.0 | 496 |

## *Shenandoah National Park, VA*

### Table 31: 2011 Shenandoah National Park Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 95th | 2011 Met 2011 95th | 2015 Met 2011 95th | 2015 Met 2015 95th | Distance (mi) |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | 61.7 | 46.4 | **62.6** | 3.2 | 191 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | 24.9 | 28.1 | **32.9** | 7.8 | 185 |
| 3 | VA | Chesterfield Power Station | 3797 | 5 | 19.7 | **23.6** | 20.2 | 0.6 | 94 |
| 4 | OH | Walter C Beckford Generating Station | 0 | 6 | **17.3** | 11.1 | 10.0 | -- | 307 |
| 5 | MI | Monroe | 1733 | 1,2 | 5.7 | **14.8** | 8.1 | 1.3 | 350 |
| 6 | MD | Chalk Point | 1571 | 1,2 | 7.8 | 10.8 | **11.7** | 2.0 | 109 |
| 7 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | 7.6 | **11.6** | 6.5 | 6.6 | 478 |
| 8 | PA | Homer City | 3122 | 2 | 7.6 | 7.9 | **9.4** | 12.0 | 156 |
| 9 | OH | W H Zimmer Generating Station | 6019 | 1 | **9.3** | 6.8 | 5.5 | 6.9 | 302 |
| 10 | OH | Muskingum River | 2872 | 5 | 7.2 | 8.3 | **9.3** | 15.2 | 185 |

### Table 32: 2015 Shenandoah National Park Top-10 Visibility Impairing EGU Point Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | Estimated 2002 Met 2015 95th | Estimated 2011 Met 2015 95th | Modeled 2015 Met 2015 95th | Maximum 2002,11,15 Met 2011 95th | Distance (mi) |
| 1 | OH | Muskingum River | 2872 | 5 | 11.8 | 13.6 | **15.2** | 9.3 | 185 |
| 2 | PA | Homer City | 3122 | 1 | 11.0 | 11.5 | **13.6** | 9.2 | 156 |
| 3 | PA | Homer City | 3122 | 2 | 9.7 | 10.2 | **12.0** | 9.4 | 156 |
| 4 | OH | Avon Lake Power Plant | 2836 | 12 | 10.6 | 8.3 | **11.9** | 9.2 | 285 |
| 5 | VA | Yorktown Power Station | 3809 | 3 | 8.4 | **10.5** | 5.2 | 3.3 | 142 |
| 6 | OH | Muskingum River | 2872 | 1,2,3,4 | 5.9 | 6.6 | **7.8** | 32.9 | 185 |
| 7 | KY | Big Sandy | 1353 | BSU1,BSU2 | **7.4** | 6.0 | 4.9 | 8.8 | 214 |
| 8 | WV | Harrison Power Station | 0 | 1 (25%), 2 (20%) | 6.4 | 5.3 | **7.0** | 6.6 | 117 |
| 9 | OH | W H Zimmer Generating Station | 6019 | 1 | **6.9** | 5.1 | 4.1 | 9.3 | 302 |
| 10 | PA | Brunner Island | 3140 | 1,2 | 2.9 | **6.9** | 5.7 | 6.9 | 164 |

### Table 33: 2011 Shenandoah Top-5 Visibility Impairing Industrial/Institutional Sources

| | Facility Info | | | | Extinction Value ($Mm^{-1}$) | | | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility | ORIS ID | Unit IDs | 2002 Met 2011 Emis | 2011 Met 2011 Emis | 2015 Met 2011 Emis | Distance (mi) |
| 1 | MD | Luke Paper Company | 7763811 | All | 28.4 | 24.8 | **32.7** | 84 |
| 2 | OH | P. H. Glatfelter Company - Chillicothe Facility | 8131111 | All | 3.6 | 2.5 | **3.7** | 242 |
| 3 | TN | Eastman Chemical Company | 3982311 | All | 2.7 | 2.7 | **2.8** | 245 |
| 4 | MD | Sparrows Point, LLC | 8239711 | All | 1.4 | 2.3 | **2.0** | 135 |
| 5 | WV | Capitol Cement - Essroc Martinsburg | 4987611 | All | **2.2** | 1.9 | 1.2 | 87 |

*Note: Top 100 contributors to each Class I areas can be found in Appendix B.
**Note: All distances of EGUs to Class I areas can be found in Appendix C.

## 4.2 Top 25 2011 and 2015 Visibility Impacting EGU Units to Five MANE-VU and Two Nearby Class I Areas

Figures 16-25 below display the top 25 EGU contributors to five MANE-VU Class I areas (Acadia, Brigantine, Great Gulf, Lye Brook, and Moosehorn) with modeled 2011 and 2015 95$^{th}$ percentile emissions. Figures 26-29 exhibit only MANE-VU EGU stack impacts on two nearby Class I areas (Dolly Sods and Shenandoah). As described in Section 4.1, only 2015 meteorology was modeled with 2015 95$^{th}$ percentile emissions; estimates for 2002 and 2011 meteorology with 2015 95$^{th}$ percentile emissions were calculated based on ratios determined with 2011 emission modeling.

Each Class I area has two graphs, each of which represent a different emission year (2011 and 2015). This is done to highlight changes that occurred in actual emissions between the two years. The top 25 EGUs impacting each Class I area are sorted from the maximum on the left to the 25$^{th}$ maximum on the right.

The three colors in the graphs represent the range in predicted impacts due to the three years of meteorology. Colors represent the maximum (green), mid-range (red), and minimum (blue) impacts, but the year in which these occur may differ by facility and are not specified in the graph. That is, the green part of the bar always depicts the maximum impact for a given source, but that maximum impact may be based on 2002 meteorology for one source and based on 2011 meteorology for another source. The intent of the charts is not to point out the years of maximum impact, but to illustrate the range of impacts among the three years.

The closer these three colors are bunched, the less the variation due to meteorology; the more spread out, the greater the difference between the years of meteorology. As an example, for 2011 95$^{th}$ percentile emissions impacts at Acadia, Kyger Creek had a fair amount of variation between the meteorological years. The maximum predicted extinction was about 22 $Mm^{-1}$ (for 2002, shown by green part of the bar), the minimum predicted extinction for the three years was about 14 $Mm^{-1}$ (for 2015, shown by the blue part of the bar), and the mid-range of the three years was about 20 $Mm^{-1}$ (for 2011, shown by the red part of the bar).

**Figure 16: Acadia Top 25 Visibility Impacting 2011 EGU Units**

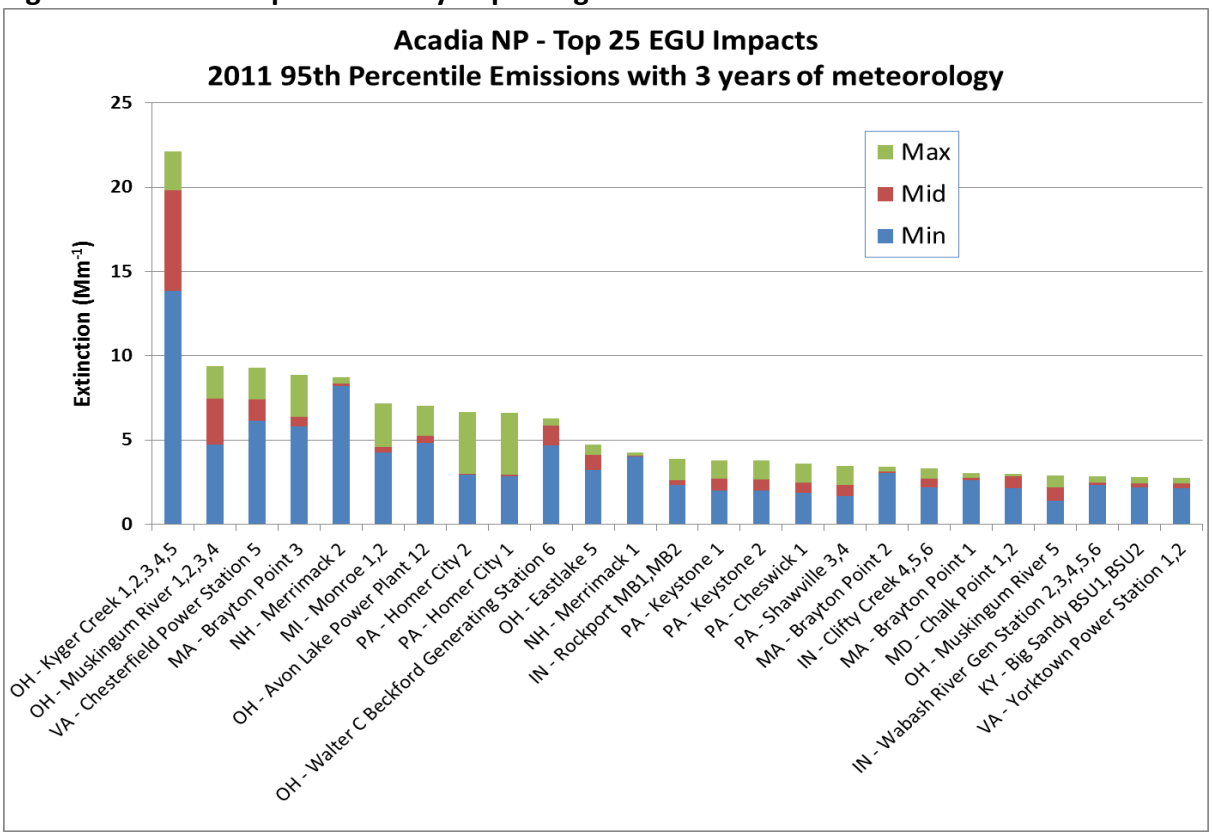



**Figure 17: Acadia Top 25 Visibility Impacting 2015 EGU Units**

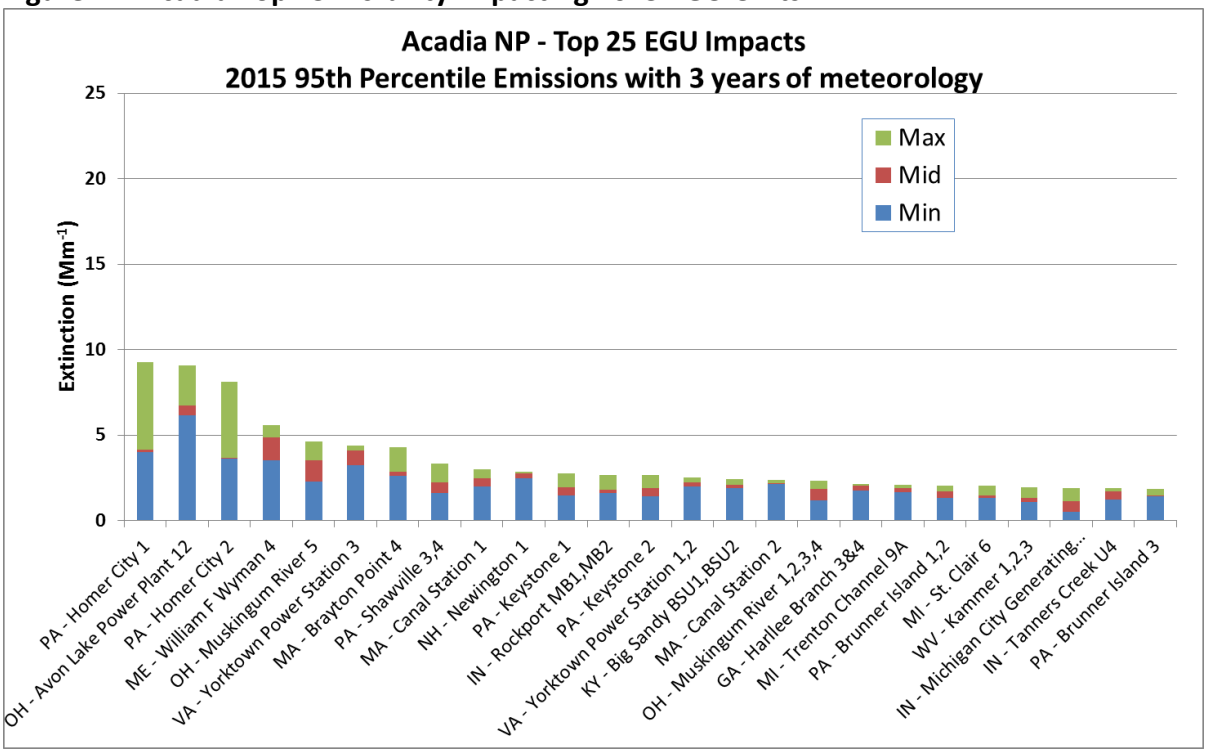


**Figure 18: Brigantine Top 25 Visibility Impacting 2011 EGU Units**

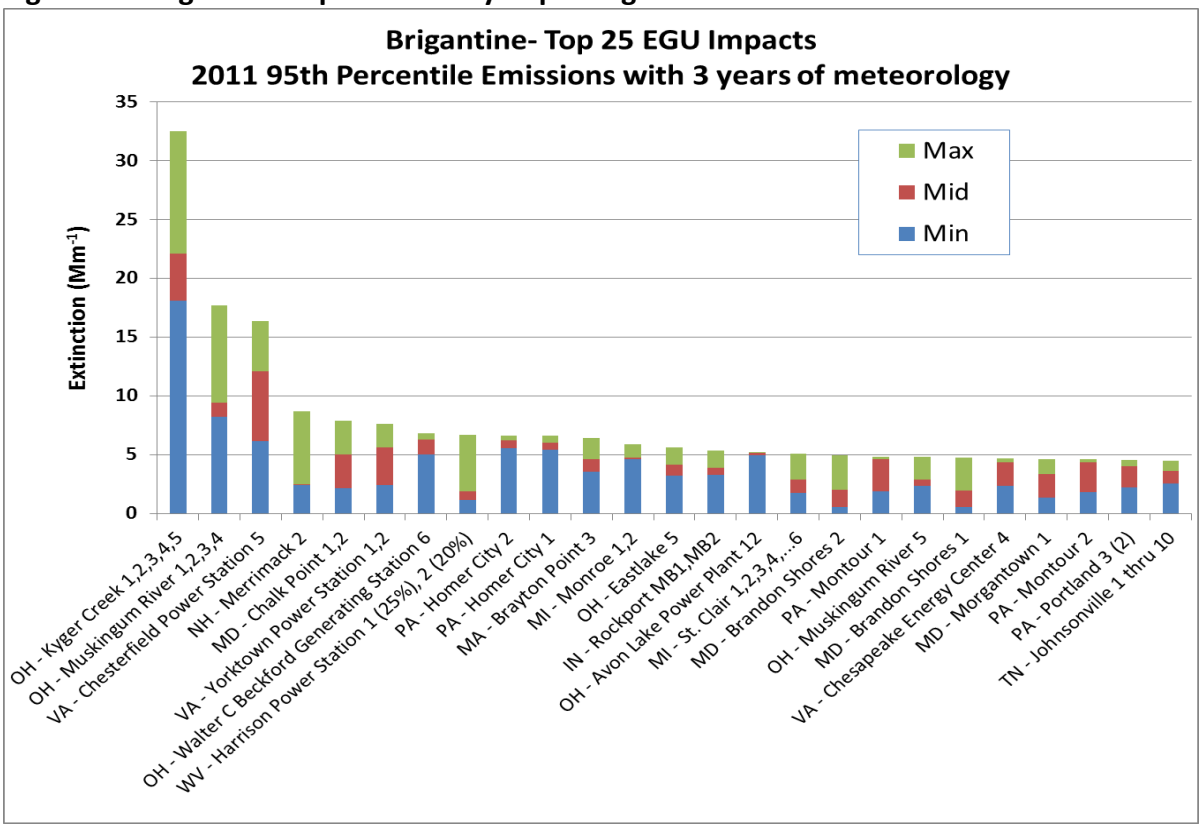



**Figure 19: Brigantine Top 25 Visibility Impacting 2015 EGU Units**

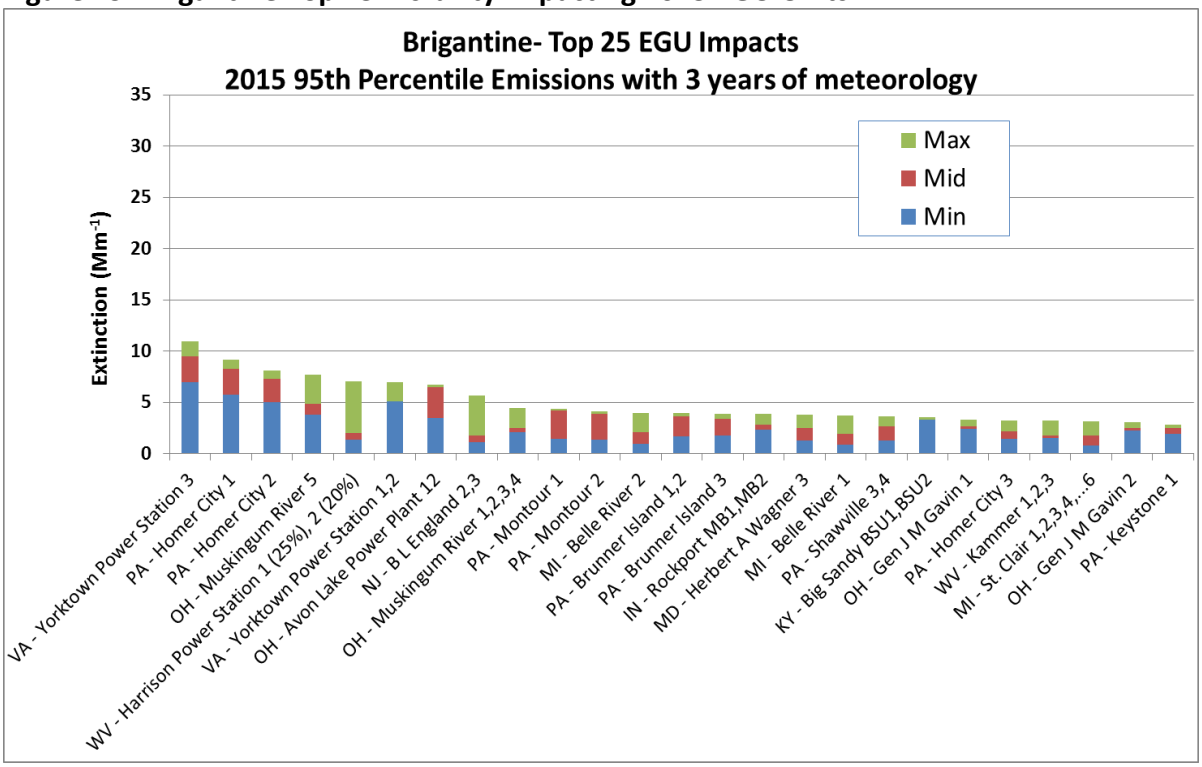


**Figure 20: Great Gulf Top 25 Visibility Impacting 2011 EGU Units**

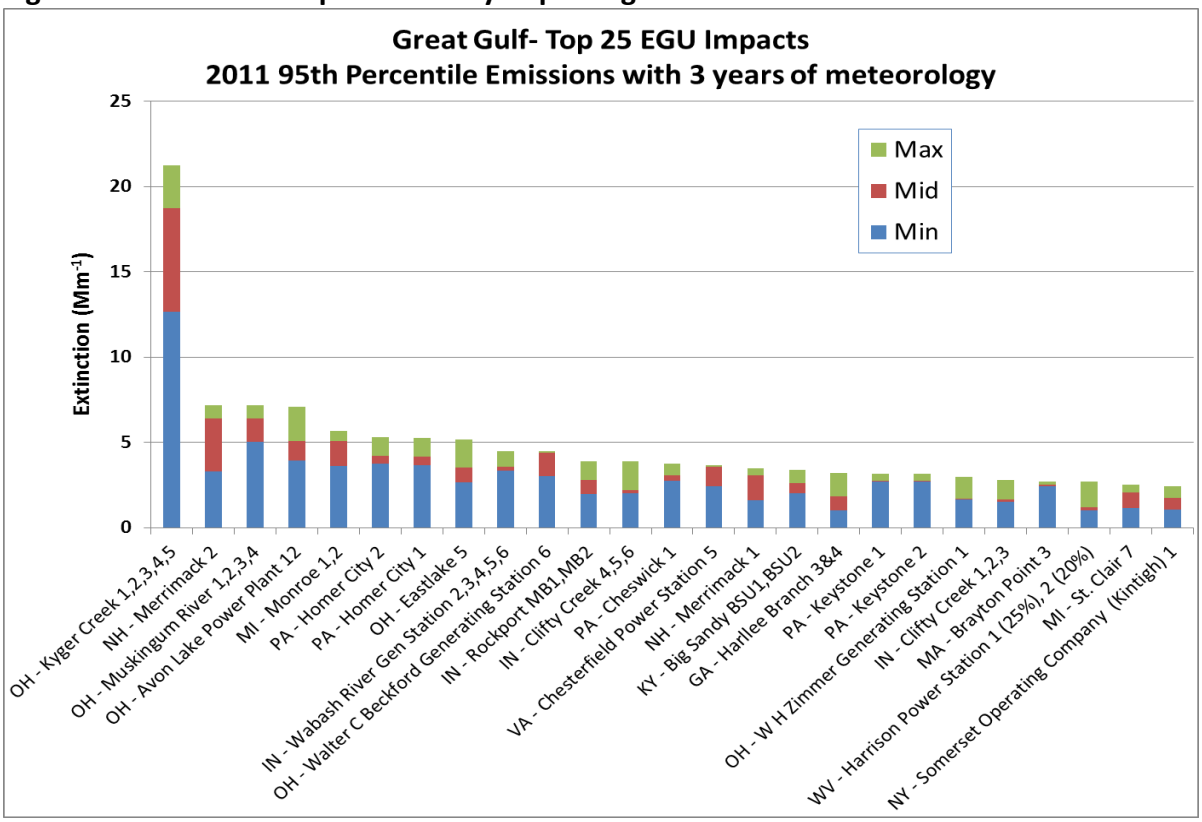



**Figure 21: Great Gulf Top 25 Visibility Impacting 2015 EGU Units**

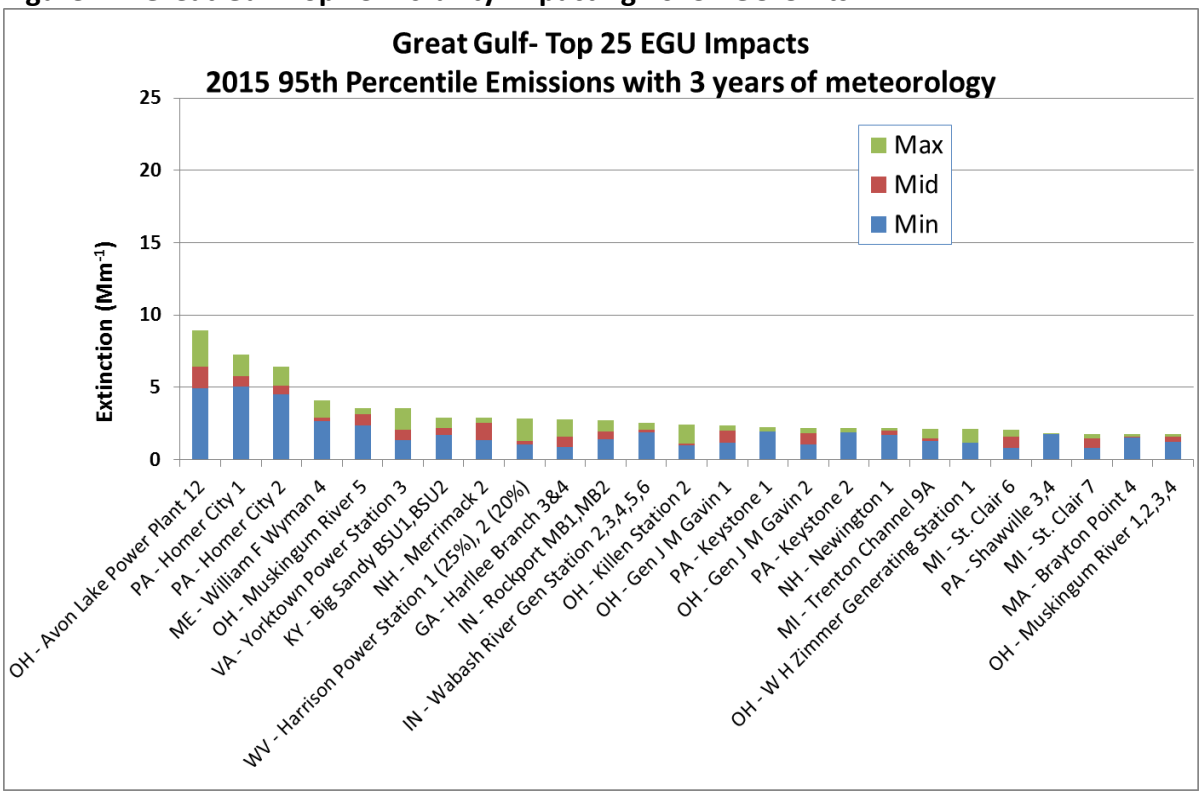


**Figure 22: Lye Brook Top 25 Visibility Impacting 2011 EGU Units**

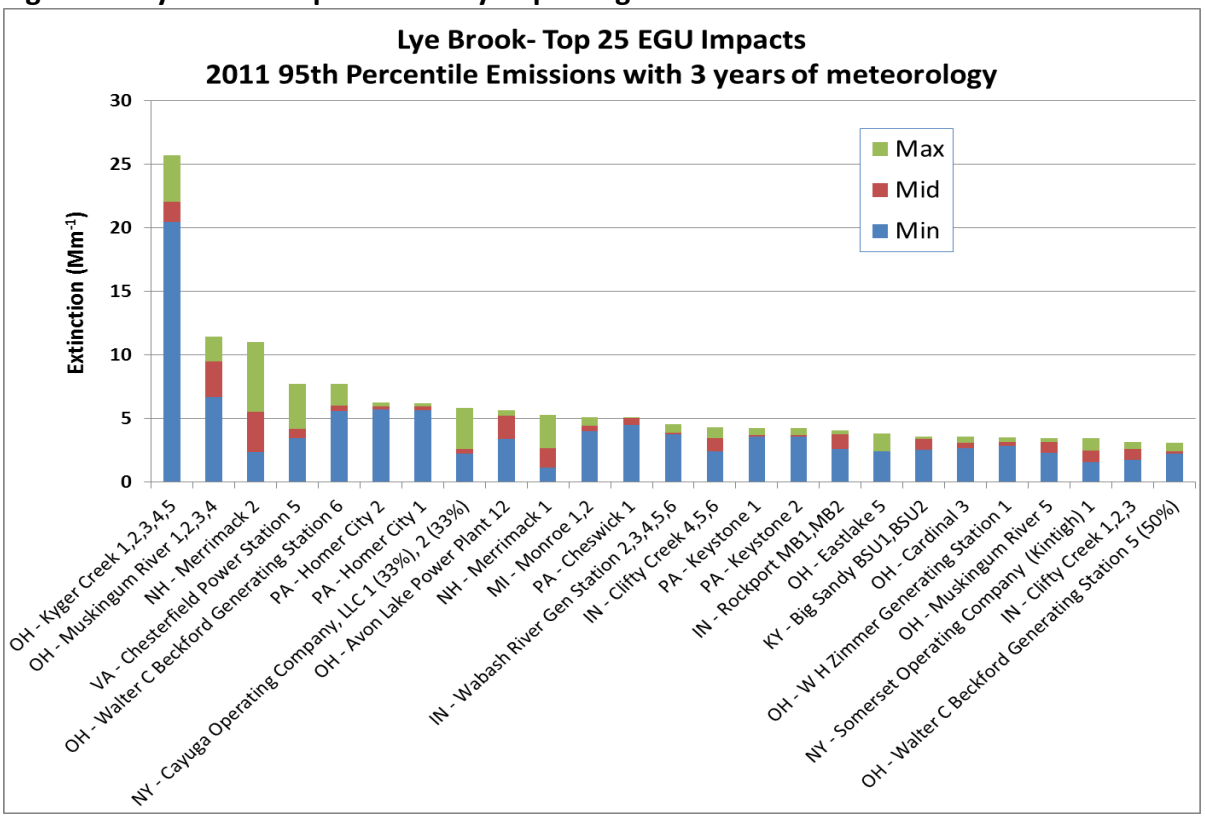



**Figure 23: Lye Brook Top 25 Visibility Impacting 2015 EGU Units**

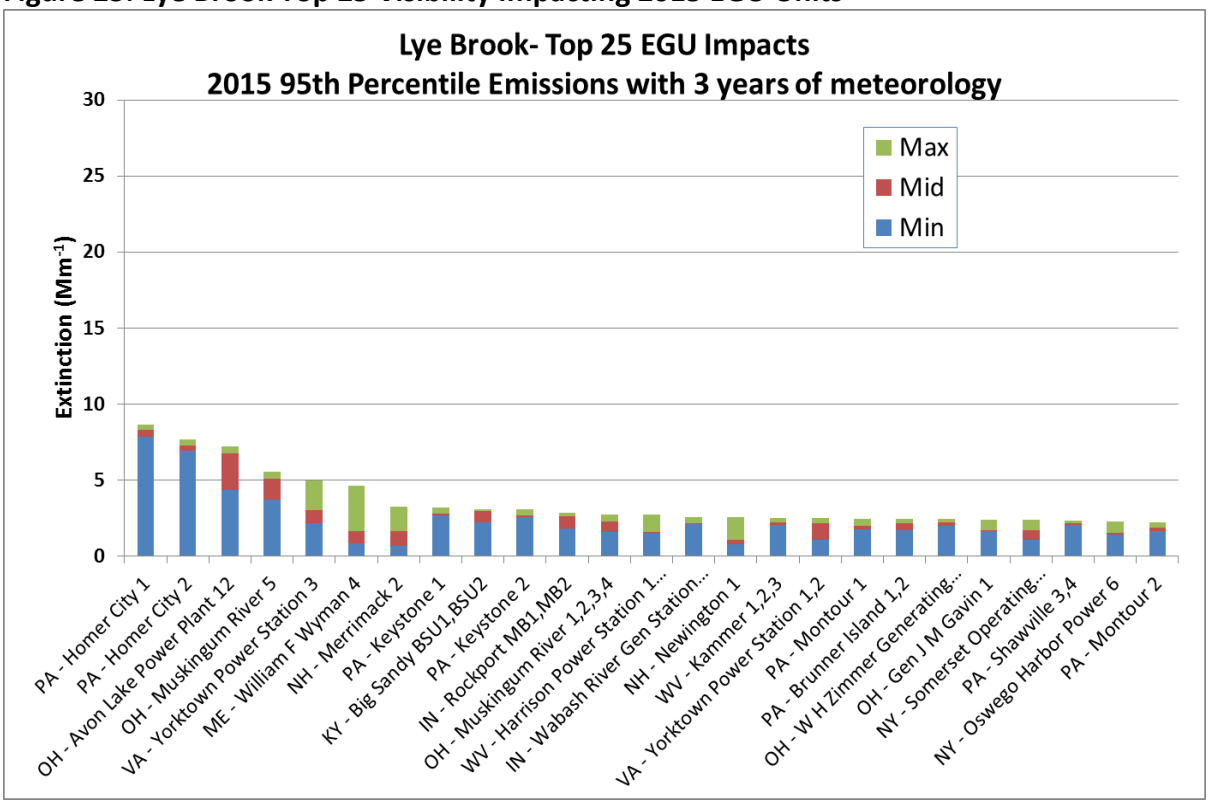


**Figure 24: Moosehorn Top 25 Visibility Impacting 2011 EGU Units**

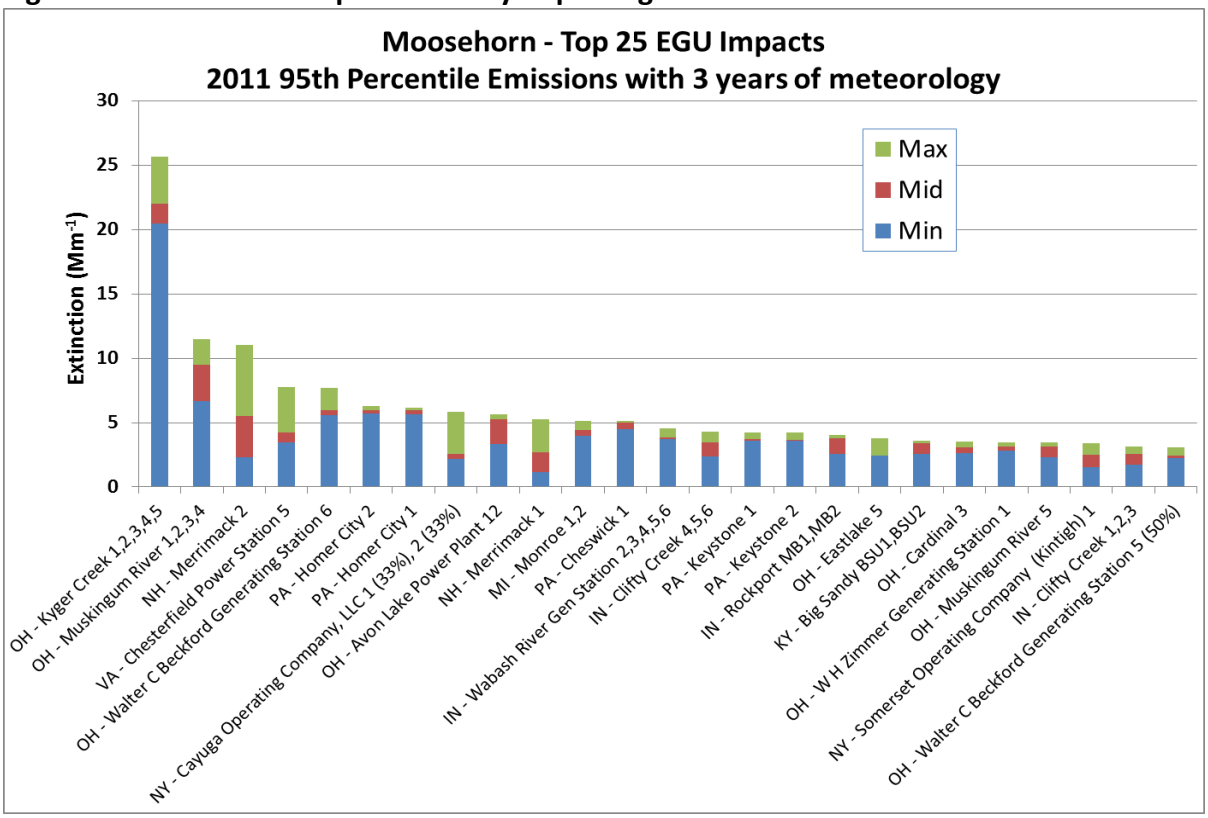



**Figure 25: Moosehorn Top 25 Visibility Impacting 2015 EGU Units**

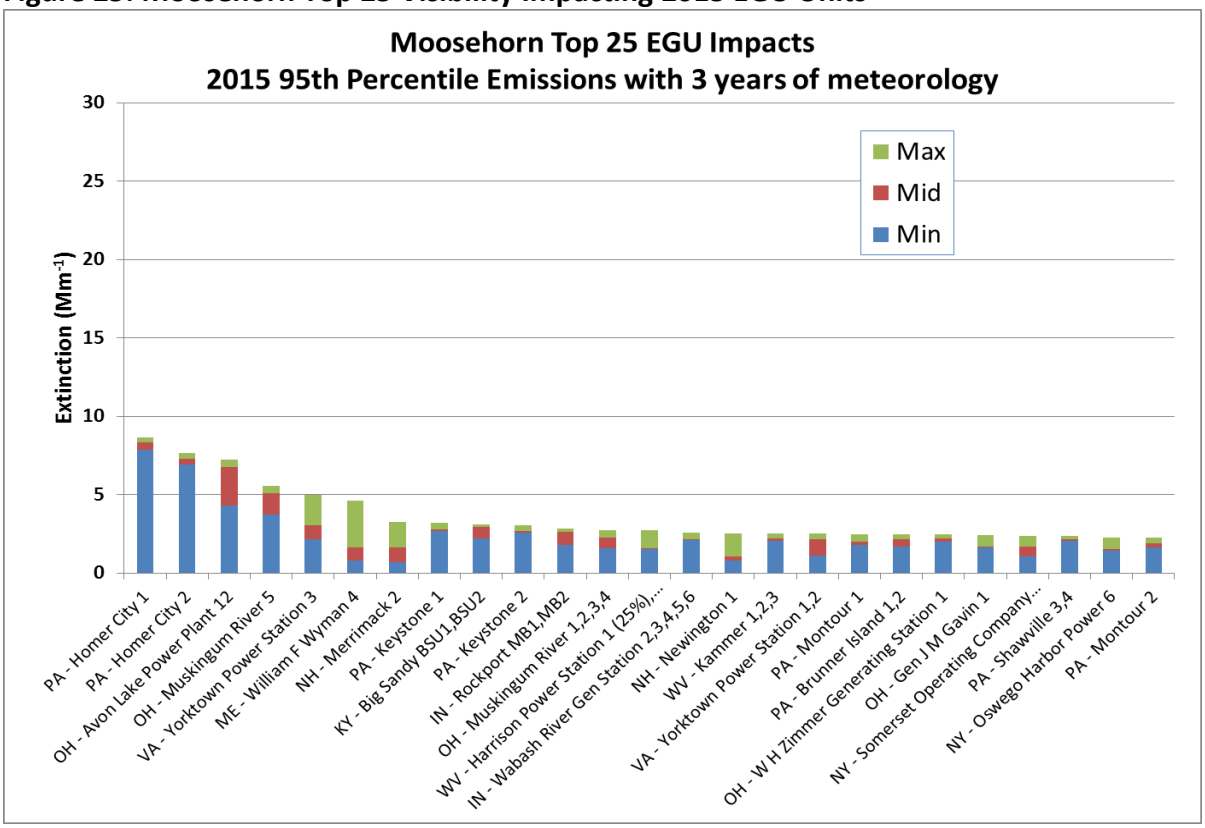


**Figure 26: Dolly Sods Top 25 Visibility Impacting 2011 MANE-VU EGU Units**

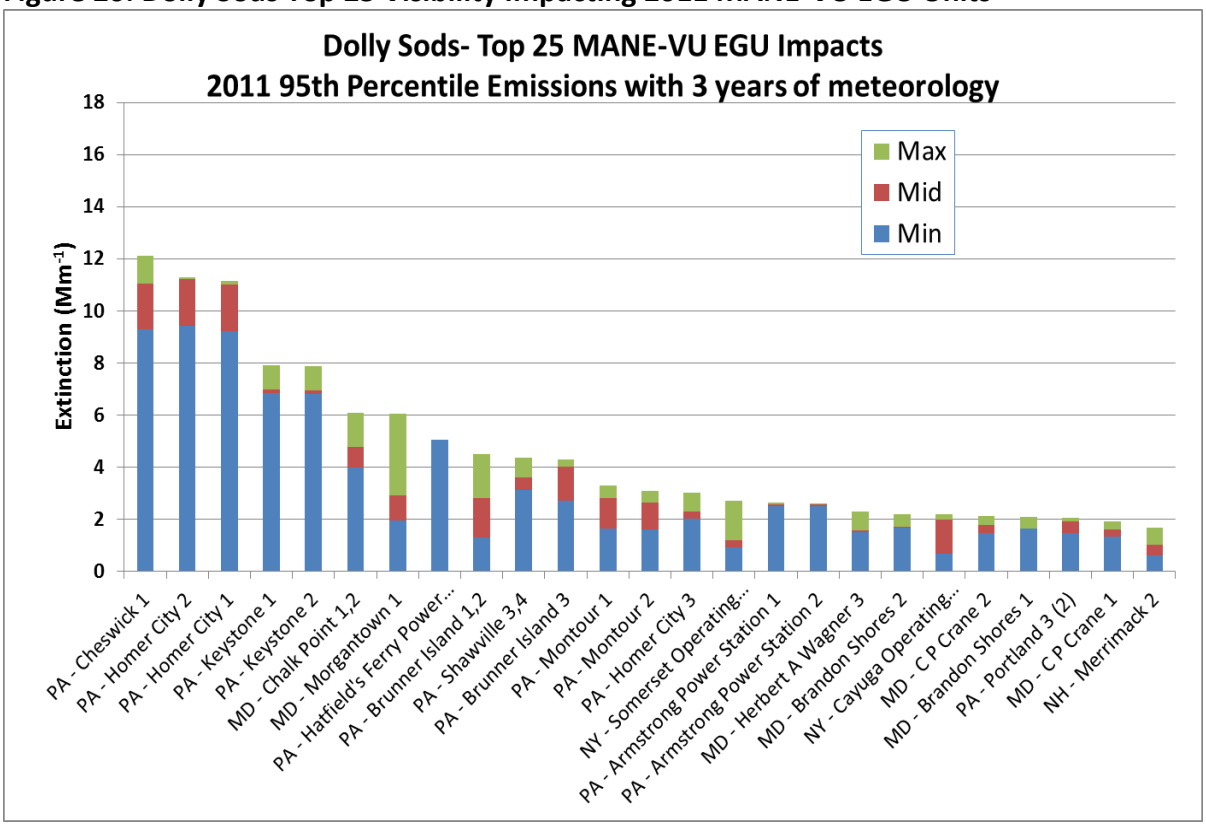



**Figure 27: Dolly Sods Top 25 Visibility Impacting 2015 MANE-VU EGU Units**

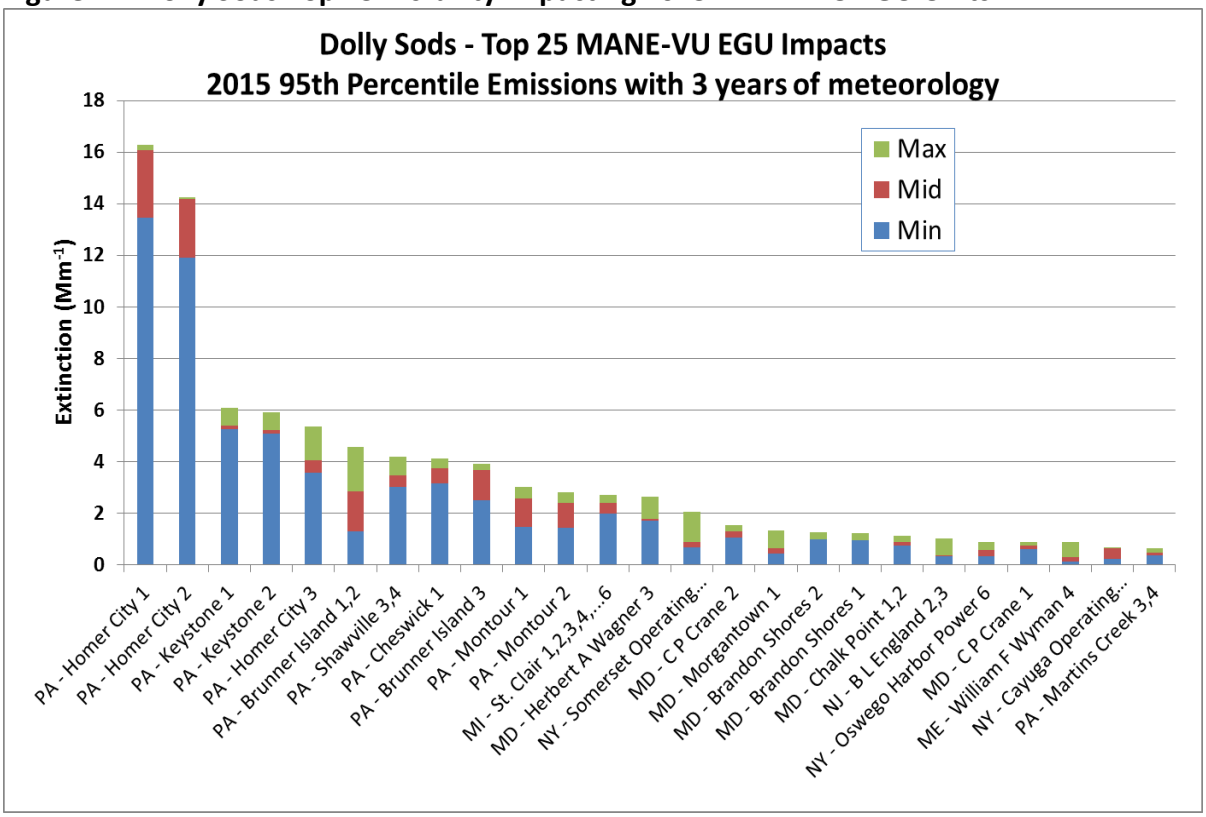


**Figure 28: Shenandoah Top 25 Visibility Impacting 2011 MANE-VU EGU Units**

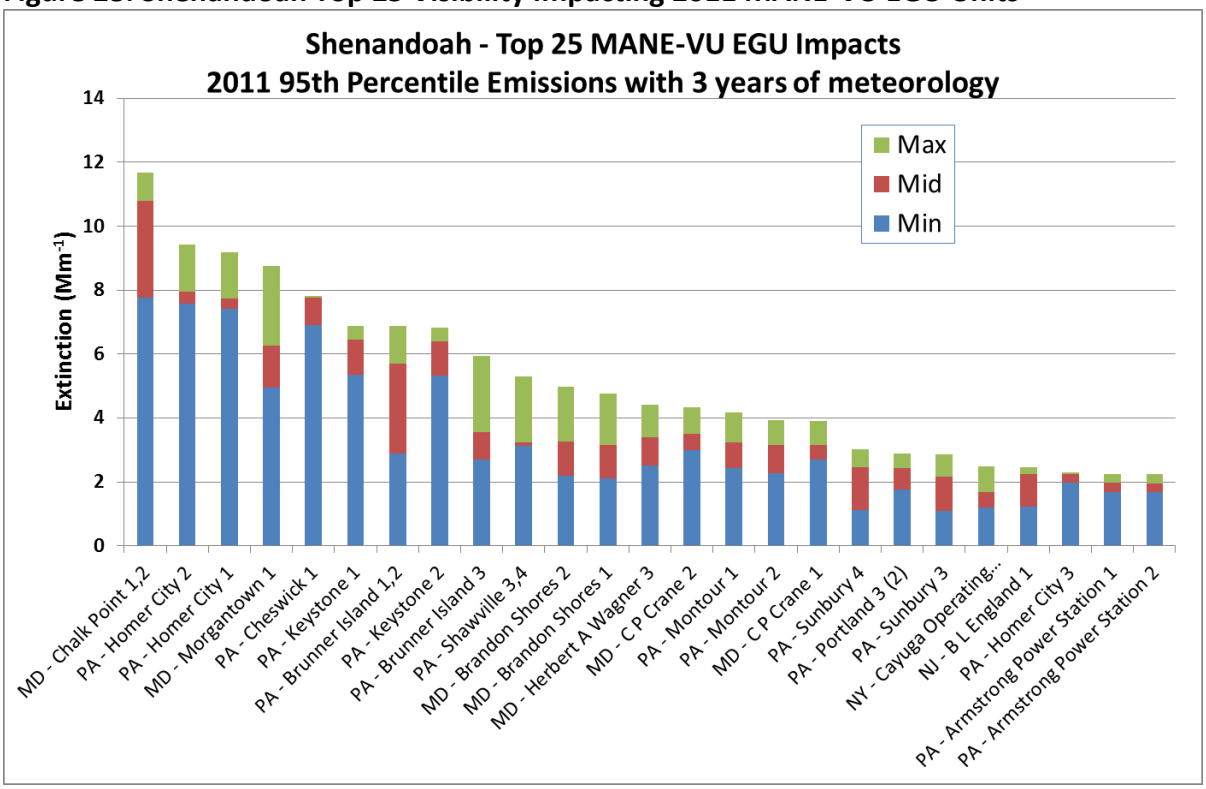



**Figure 29: Shenandoah Top 25 Visibility Impacting 2015 MANE-VU EGU Units**

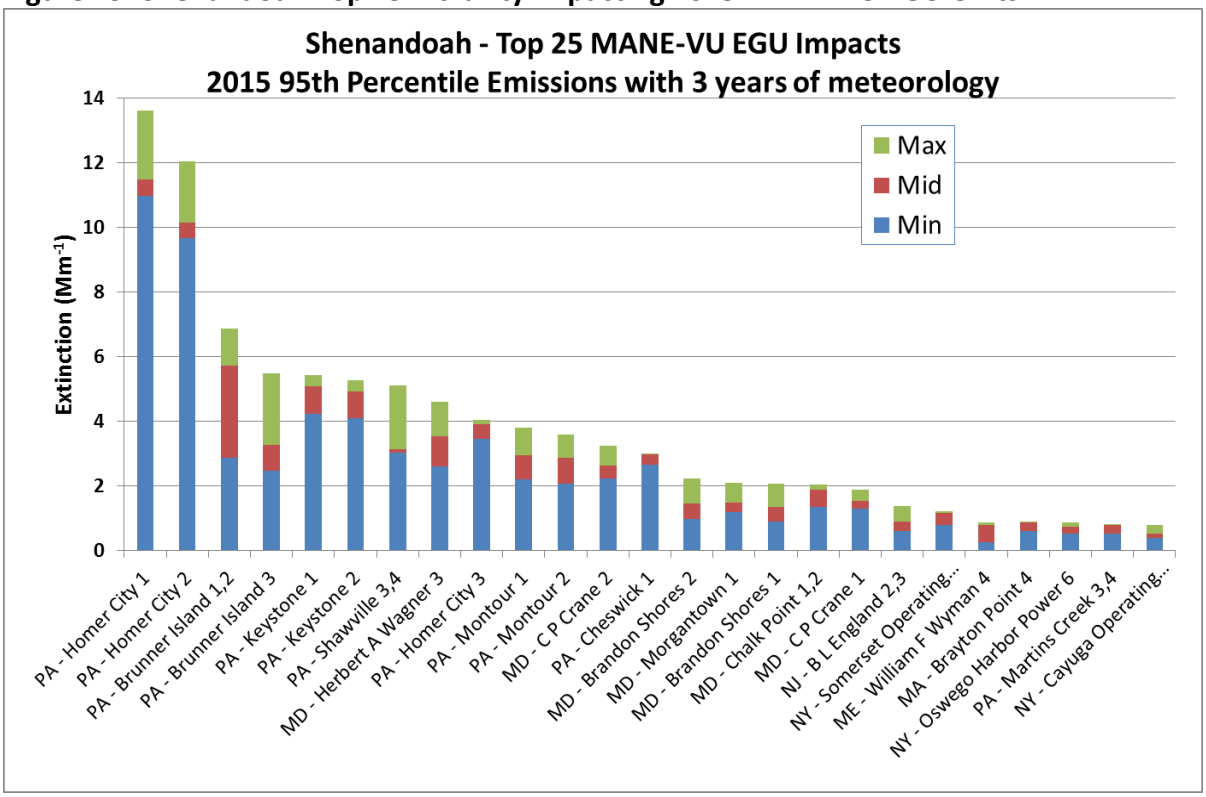


Table 34 provides a ranking of modeled EGU stacks with 2015 95th percentile emissions that considers impacts to all seven MANE-VU Class I areas. Each stack receives one point for each Class I area for which it has a modeled visibility extinction of 1.0 $Mm^{-1}$ or greater. Since there are three years of meteorology, a stack may receive a maximum score of 21 if it has modeled visibility extinctions of 1.0 or greater for every Class I area for all three years. Also provided in this table is these sources' impact on overall max extinction in MANE-VU and nearby areas; see Appendix F for source rankings by max extinction for each Class I area.

**Table 34: Top Impacting EGU Stacks (2015 Emissions) to MANE-VU Class I Areas**

| | Facility Info | | | | | | Overall Max Extinction ($Mm^{-1}$) | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | MANE-VU Score | MANE-VU Areas | Nearby Areas |
| 1 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 21 | 10.93 | 10.55 |
| 2 | PA | Homer City | 3122 | 1 | D031221 | 21 | 9.29 | 19.98 |
| 3 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 21 | 9.20 | 14.20 |
| 4 | PA | Homer City | 3122 | 2 | D031222 | 21 | 8.14 | 17.61 |
| 5 | OH | Muskingum River | 2872 | 5 | D028725 | 21 | 7.68 | 15.18 |
| 6 | PA | Montour | 3149 | 1 | D031491 | 21 | 4.35 | 3.80 |
| 7 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 21 | 3.84 | 6.66 |
| 8 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 21 | 3.60 | 5.13 |
| 9 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 21 | 3.52 | 11.07 |
| 10 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 21 | 3.33 | 7.55 |
| 11 | PA | Keystone | 3136 | 1 | D031361 | 21 | 3.18 | 6.10 |
| 12 | PA | Keystone | 3136 | 2 | D031362 | 21 | 3.07 | 5.91 |
| 13 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 21 | 3.07 | 6.89 |
| 14 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 21 | 2.61 | 6.60 |
| 15 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 21 | 2.55 | 6.90 |
| 16 | NC | L V Sutton | 0 | 1, 2 | D02713C02 | 20 | 6.94 | 2.36 |
| 17 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 20 | 4.44 | 8.69 |
| 18 | MA | Brayton Point | 1619 | 4 | x07 | 20 | 4.31 | 0.88 |
| 19 | PA | Montour | 3149 | 2 | D031492 | 20 | 4.10 | 3.58 |
| 20 | MI | Trenton Channel | 1745 | 9A | D017459A | 20 | 2.55 | 4.22 |
| 21 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 19 | 6.98 | 4.99 |
| 22 | MI | St. Clair | 1743 | 6 | D017436 | 19 | 2.08 | 3.40 |
| 23 | ME | William F Wyman | 1507 | 4 | D015074 | 18 | 5.57 | 0.88 |
| 24 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 18 | 3.97 | 6.87 |
| 25 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 18 | 3.21 | 8.48 |
| 26 | MI | St. Clair | 1743 | 7 | D017437 | 18 | 2.82 | 3.49 |
| 27 | NY | Somerset Operating Company (Kintigh) | 0 | 1 | D060821 | 18 | 2.37 | 2.27 |
| 28 | IN | Tanners Creek | 988 | U4 | D00988U4 | 18 | 2.19 | 6.39 |
| 29 | WV | Harrison Power Station | 0 | 1 (25%), 2 (20%) | D03944C01 | 17 | 7.02 | 11.42 |
| 30 | MI | Belle River | 0 | 2 | D060342 | 17 | 3.98 | 3.56 |
| 31 | PA | Brunner Island | 3140 | 3 | D031403 | 17 | 3.84 | 5.49 |
| 32 | MI | Belle River | 0 | 1 | D060341 | 17 | 3.69 | 3.28 |
| 33 | NH | Newington | 8002 | 1 | D080021 | 17 | 2.85 | 0.47 |
| 34 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 17 | 2.83 | 7.90 |
| 35 | OH | Killen Station | 6031 | 2 | D060312 | 17 | 2.43 | 5.33 |
| 36 | PA | Homer City | 0 | 3 | D031223 | 15 | 3.26 | 6.15 |

| | Facility Info | | | | | | Overall Max Extinction ($Mm^{-1}$) | |
|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | MANE-VU Score | MANE-VU Areas | Nearby Areas |
| 37 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 15 | 3.14 | 2.71 |
| 38 | MA | Canal Station | 1599 | 1 | D015991 | 15 | 2.96 | 0.43 |
| 39 | MA | Canal Station | 1599 | 2 | D015992 | 14 | 2.98 | 0.44 |
| 40 | IN | Michigan City Generating Station | 0 | 12 | D0099712 | 14 | 1.88 | 2.15 |
| 41 | NH | Merrimack | 2364 | 2 | D023642 | 11 | 3.28 | 0.32 |
| 42 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 10 | 2.77 | 7.48 |
| 43 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 10 | 2.28 | 5.06 |
| 44 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 10 | 2.27 | 1.12 |
| 45 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 9 | 2.26 | 6.85 |
| 46 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 8 | 2.17 | 3.79 |
| 47 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 7 | 3.83 | 4.61 |
| 48 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 7 | 2.58 | 5.81 |
| 49 | MI | J H Campbell | 0 | 3 (50%) | D01710M3 | 7 | 1.78 | 3.77 |
| 50 | IL | Powerton | 0 | 51,52,61,62 | D00879C06 | 7 | 1.67 | 2.68 |
| 51 | OH | Conesville | 2840 | 5,6 | D02840C06 | 6 | 1.95 | 7.18 |
| 52 | PA | Martins Creek | 3148 | 3,4 | x21 | 6 | 1.86 | 0.81 |
| 53 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 5 | 2.36 | 2.81 |
| 54 | PA | Cheswick | 8226 | 1 | D082261 | 5 | 1.50 | 5.15 |
| 55 | NH | Schiller | 2367 | 6 | 0 | 5 | 1.38 | 0.14 |
| 56 | NH | Merrimack | 2364 | 1 | D023641 | 5 | 1.28 | 0.12 |
| 57 | KY | Ghent | 1356 | 3,4 … (2,3) | D01356C02 | 5 | 1.19 | 2.64 |
| 58 | MD | C P Crane | 1552 | 2 | D015522 | 4 | 2.62 | 3.25 |
| 59 | MI | J H Campbell | 0 | A,B,1,2 | D01710C09 | 4 | 1.30 | 3.19 |
| 60 | NJ | B L England | 2378 | 2,3 | x12 | 3 | 5.64 | 1.40 |
| 61 | GA | Yates | 0 | Y6BR | D00728Y6R | 3 | 1.90 | 2.89 |
| 62 | CT | Bridgeport Harbor Station | 568 | BHB3 | 0 | 3 | 1.22 | 0.42 |
| 63 | MD | Brandon Shores | 602 | 2 | D006022 | 2 | 2.46 | 2.25 |
| 64 | MD | C P Crane | 1552 | 1 | D015521 | 2 | 1.54 | 1.90 |
| 65 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 2 | 1.53 | 3.88 |
| 66 | TX | Big Brown | 3497 | 1 | 0 | 2 | 1.22 | 1.42 |
| 67 | TX | Big Brown | 3497 | 2 | 0 | 2 | 1.18 | 1.37 |
| 68 | IN | Whitewater Valley | 0 | 1, 2 | D01040C12 | 2 | 1.14 | 2.62 |
| 69 | NH | Schiller | 2367 | 4 | 0 | 2 | 1.14 | 0.12 |
| 70 | IN | IPL - Harding Street Station (EW Stout) | 0 | 50 | D0099050 | 2 | 1.04 | 2.45 |
| 71 | MD | Brandon Shores | 602 | 1 | D006021 | 1 | 2.31 | 2.07 |
| 72 | NY | Cayuga Operating Company, LLC | 0 | 1 (33%), 2 (33%) | D02535C01 | 1 | 1.93 | 0.80 |
| 73 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 1 | 1.60 | 4.09 |
| 74 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 1 | 1.50 | 2.05 |
| 75 | AL | E C Gaston | 26 | 1, 2 | D00026CA | 1 | 1.49 | 2.24 |
| 76 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 1 | 1.44 | 3.52 |
| 77 | MO | Sibley | 0 | 1, 2, 3 | D02094C01 | 1 | 1.13 | 0.92 |
| 78 | MI | J C Weadock | 0 | 7, 8 | D01720C09 | 1 | 1.04 | 1.43 |
| 79 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1 | 1.03 | 1.95 |
| 80 | MD | Morgantown | 1573 | 1 | D015731 | 1 | 1.00 | 2.10 |
| 81 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 1 | 1.00 | 2.97 |

## 4.3 Top 25 2011 Visibility Impacting Industrial and Institutional Units to Five MANE-VU Class I and Two Nearby Class I Areas

Figures 30 to 34 below display the top 25 Industrial and Institutional contributors to five MANE-VU Class I areas (Acadia, Brigantine, Great Gulf, Lye Brook, and Moosehorn). Figures 35 and 36 display this information for two nearby Class I area (Dolly Sods and Shenandoah).

The top 25 Industrial and Institutional contributors impacting each Class I area are sorted from the maximum on the left to the 25th maximum on the right. The three colors indicated in the graphs represent the range in predicted impacts due to the three years of differing meteorology. The closer these three colors are bunched, the less the meteorology variation, and the more spread out, the greater the difference between the years of meteorology. As an example, for 2011 typical emissions impacts at Acadia, Jackson Laboratories had a fair amount of variation between the meteorological years. The maximum predicted extinction was about 9 $Mm^{-1}$ (for 2015, shown by green part of the bar), the minimum predicted extinction for the three years was about 5.7 $Mm^{-1}$ (for 2011, shown by the blue part of the bar) and the mid-range of the three years was about 5.8 $Mm^{-1}$ (for 2002, shown by the red part of the bar).

**Figure 30: Acadia Top 25 Visibility Impacting 2011 Industrial/Institutional Units**

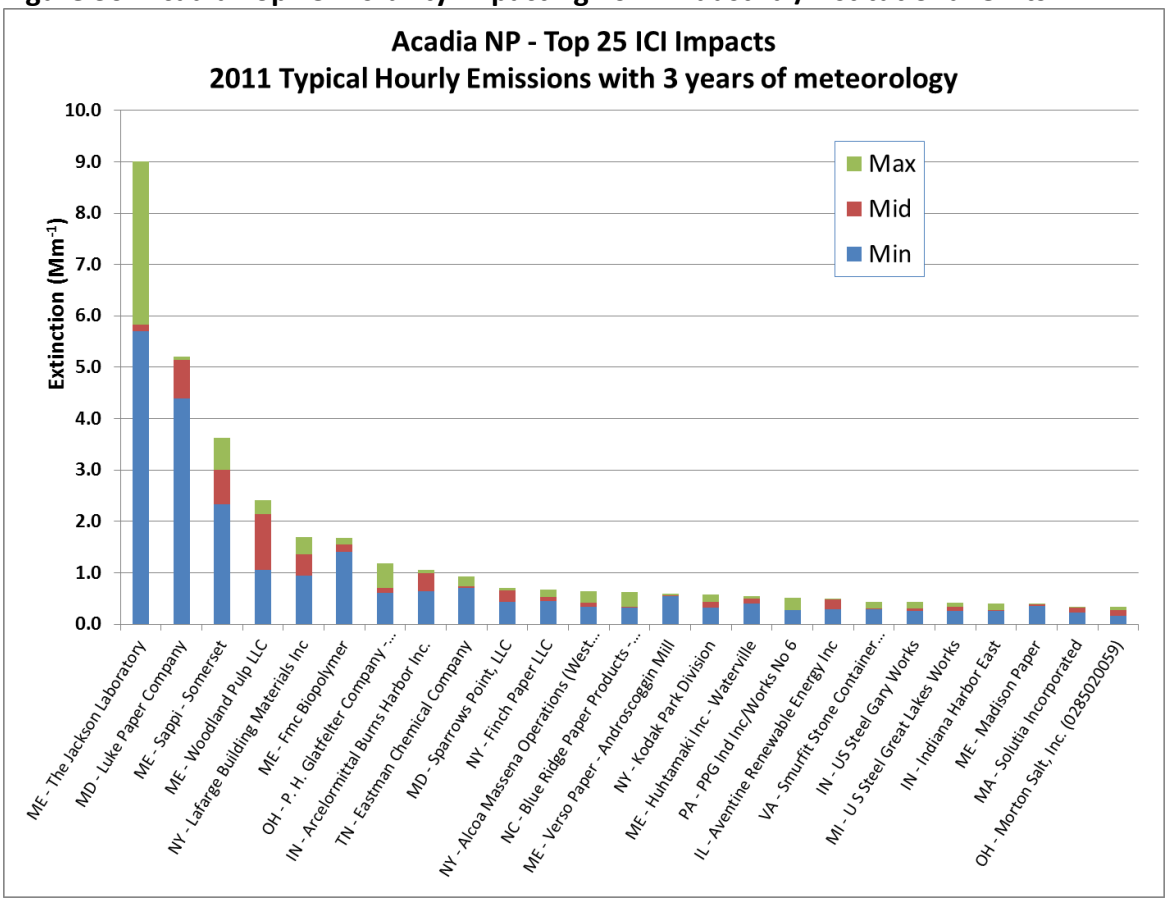


**Figure 31: Brigantine Top 25 Visibility Impacting 2011 Industrial/Institutional Units**

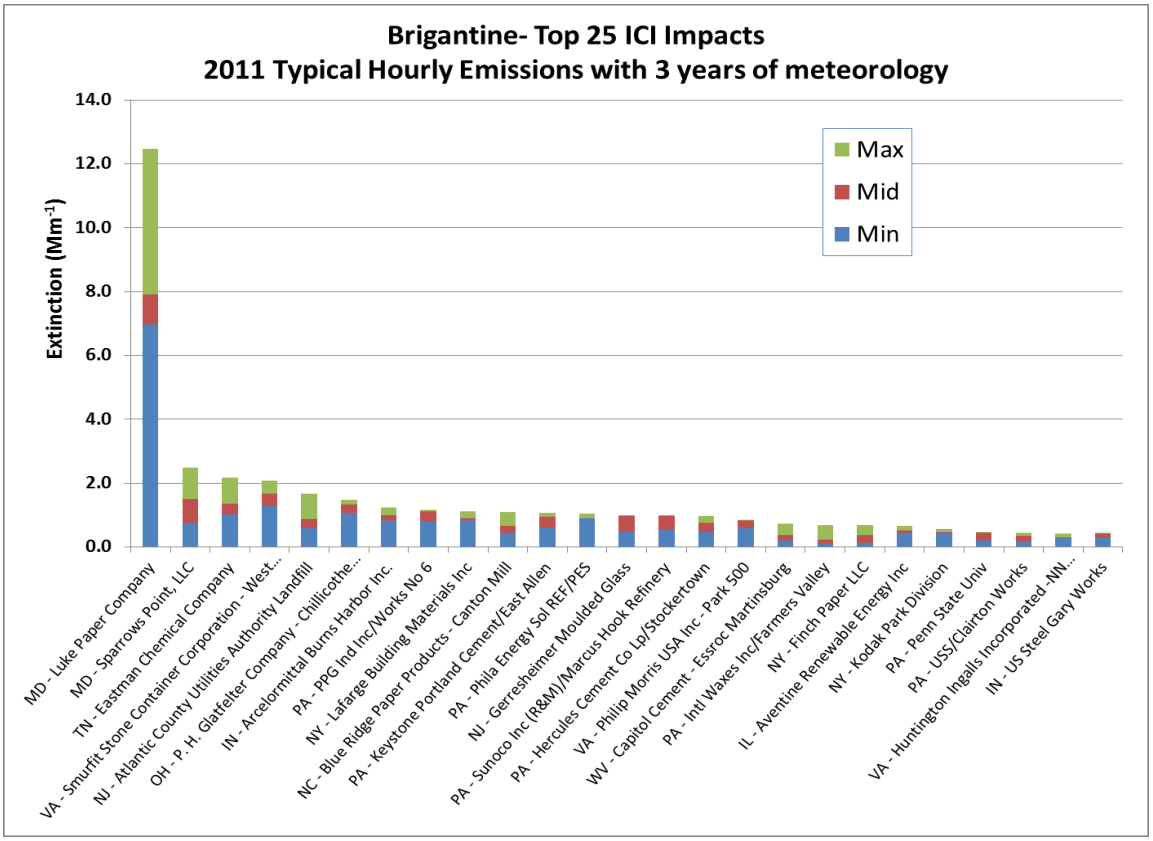



**Figure 32: Great Gulf Top 25 Visibility Impacting 2011 Industrial/Institutional Units**

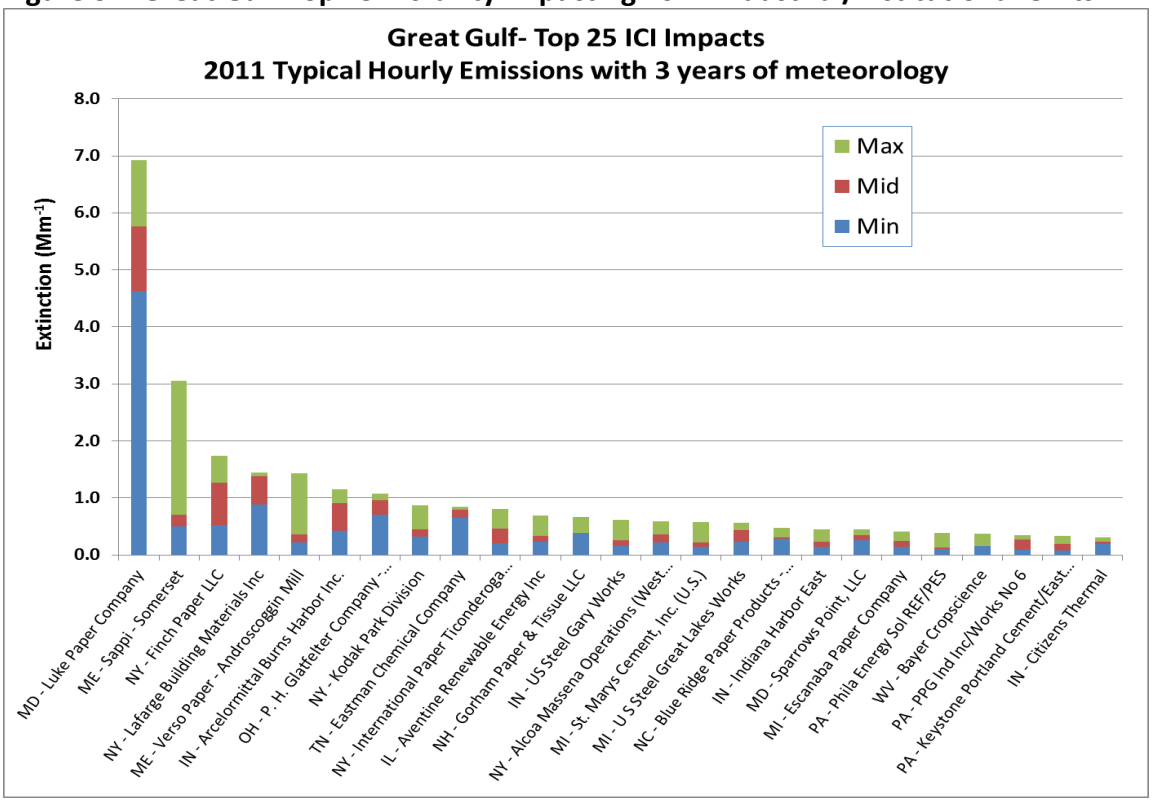


**Figure 33: Lye Brook Top 25 Visibility Impacting 2011 Industrial/Institutional Units**

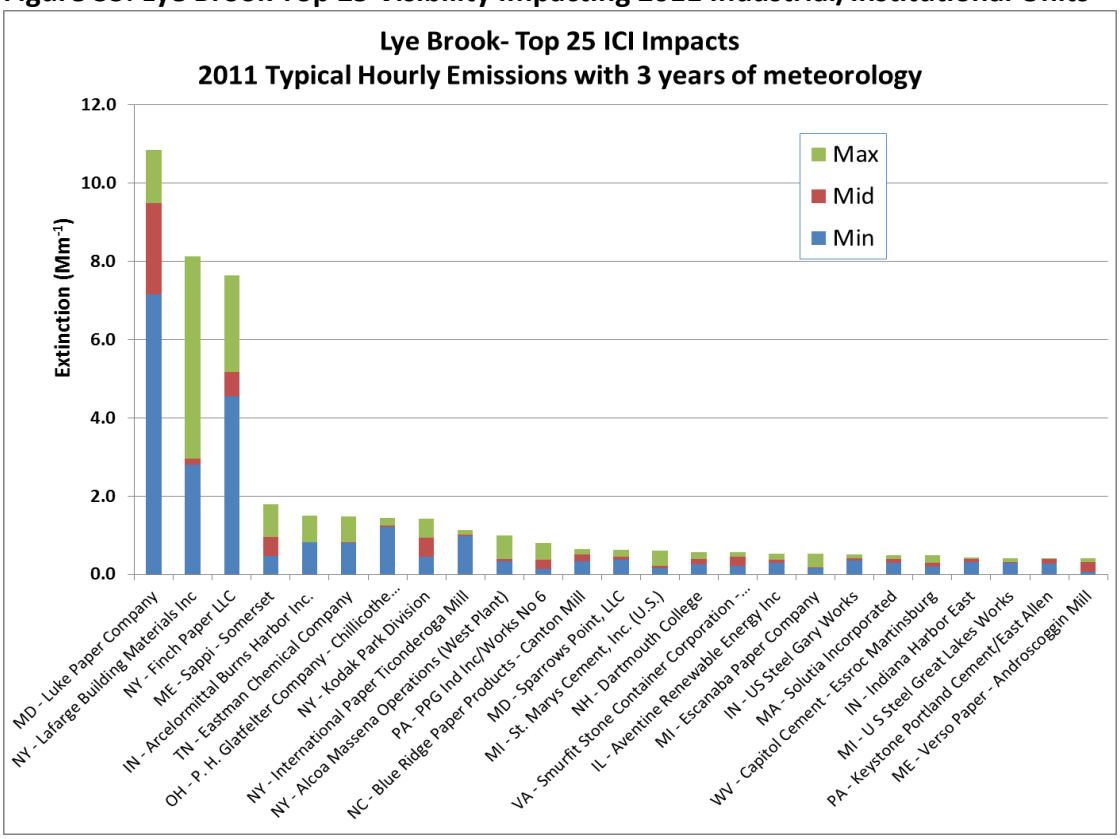
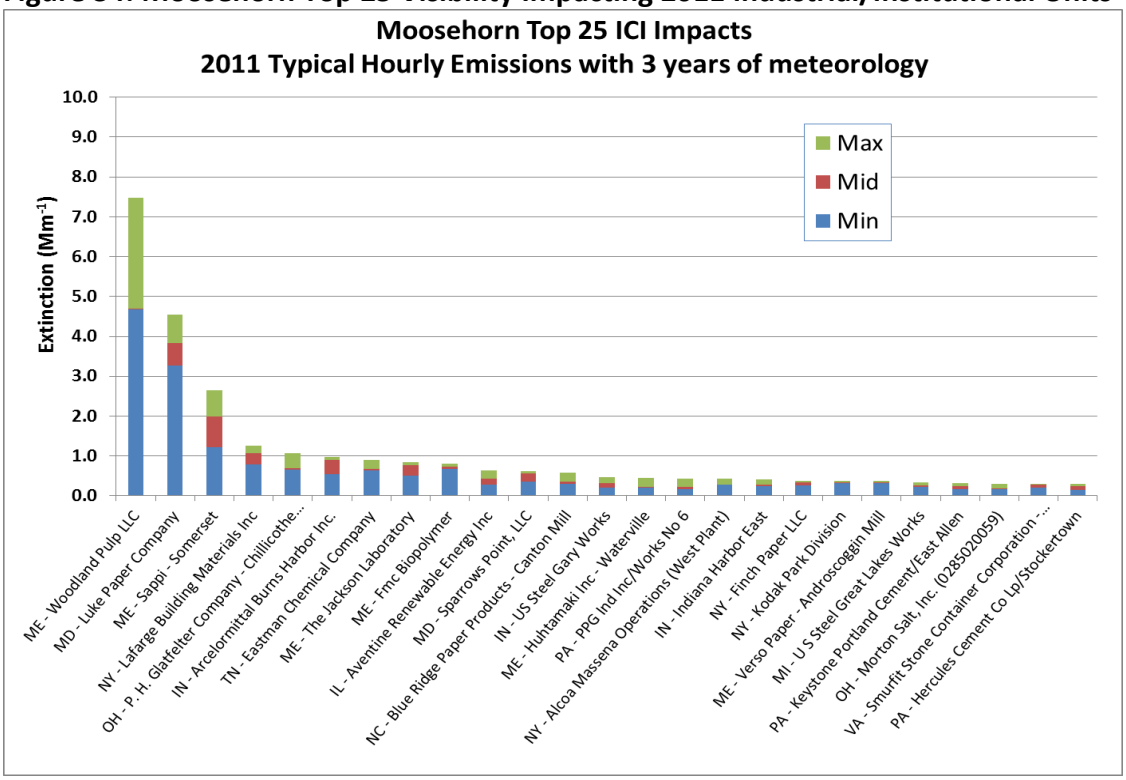



**Figure 34: Moosehorn Top 25 Visibility Impacting 2011 Industrial/Institutional Units**



Figures 35 and 36 indicate the top 25 MANE-VI ICI facility impacts to nearby Class I areas.

**Figure 35: Dolly Sods Top 25 MANE-VU Visibility Impacting 2011 Industrial/Institutional Units**

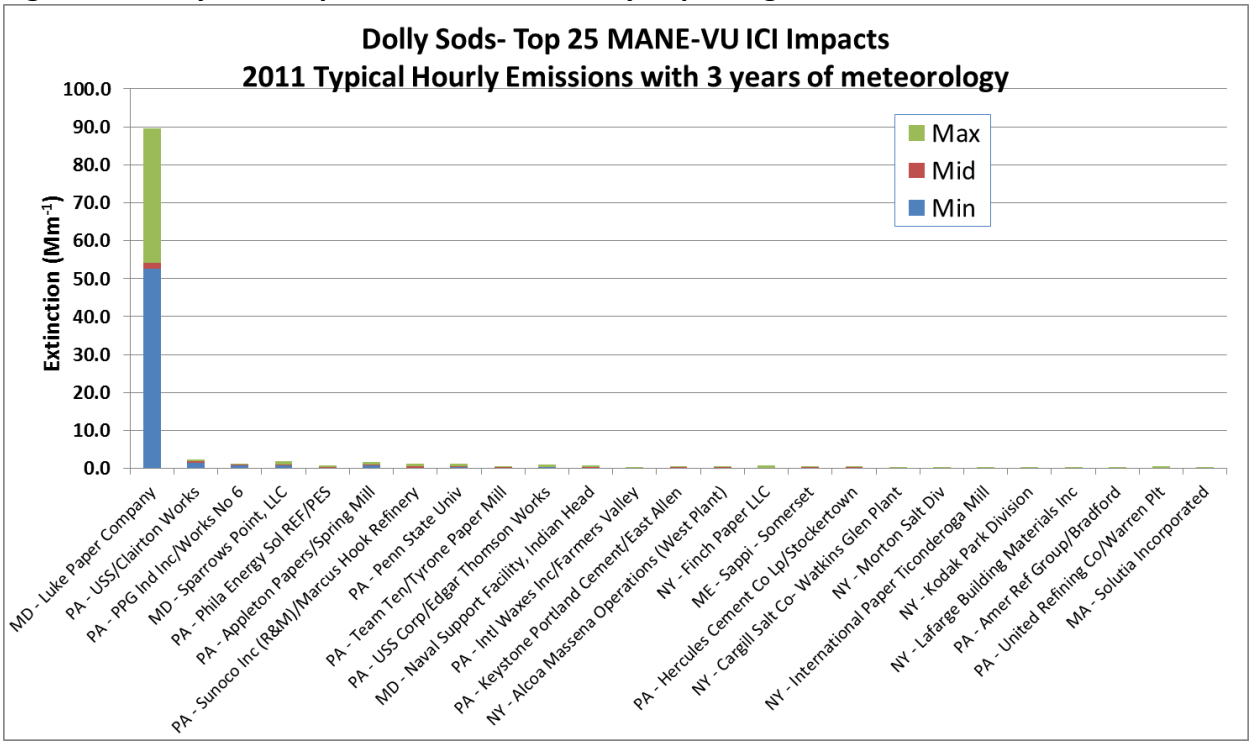



**Figure 36: Shenandoah Top 25 MANE-VU Visibility Impacting 2011 Industrial/Institutional Units**

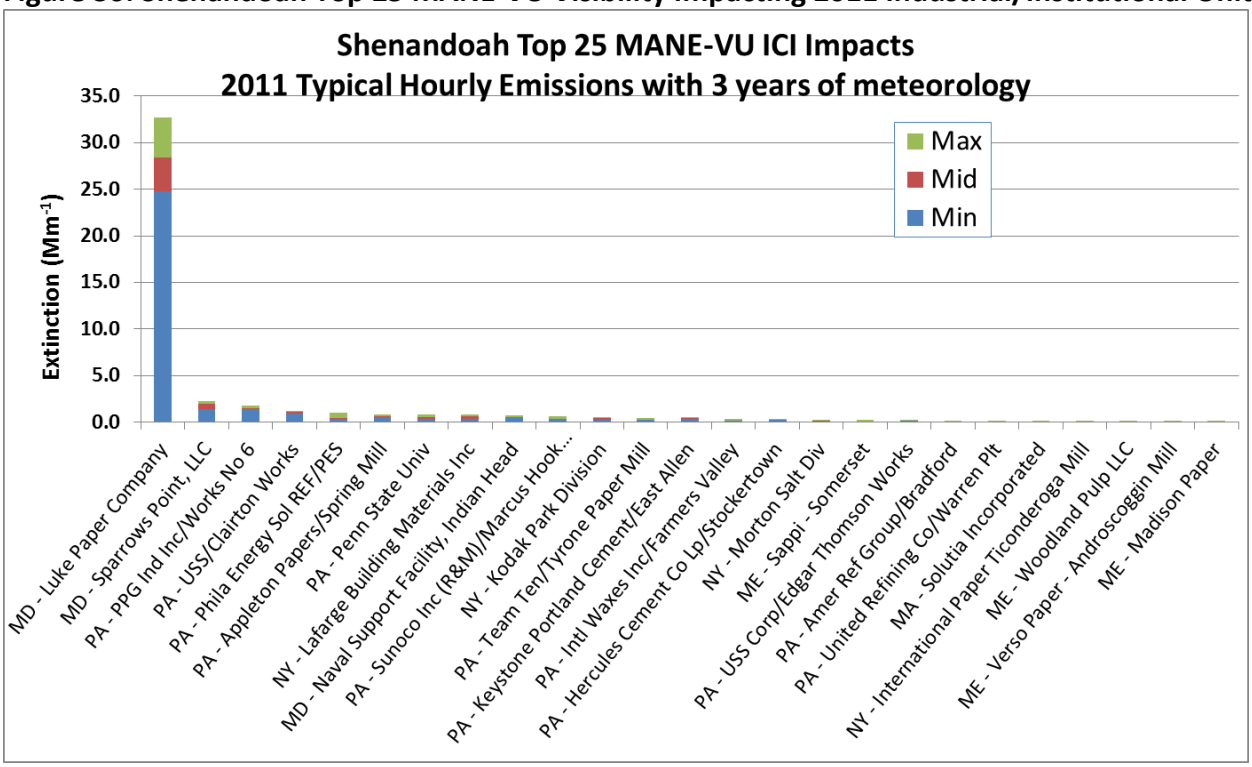


Table 35 provides a ranking of modeled industrial and institutional facilities with typical 2011 emissions that considers impacts to all seven MANE-VU Class I areas. Each facility receives one point for each Class I area that it has a modeled visibility extinction of 1.0 $Mm^{-1}$ or greater. Since there are three years of meteorology, a facility may receive a maximum score of 21 if it has modeled visibility extinctions of 1.0 $Mm^{-1}$ or greater for every Class I area for all three years. Also provided in this table are these sources' impact on overall max extinction in MANE-VU and nearby areas; see Appendix F for source rankings by max extinction for each Class I area.

**Table 35: Top Impacting ICI Facilities (2011 Emissions) to MANE-VU Class I Areas**

| | Facility Info | | | | | Overall Max Extinction ($Mm^{-1}$) | |
|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | MANE-VU Score | MANE-VU Areas | Nearby Areas |
| 1 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018, 001-0011-3-0019, 001-0011-6-0235 | 20 | 12.47 | 90.79 |
| 2 | NY | Lafarge Building Materials Inc. | 8105211 | 43101 | 13 | 8.14 | 0.93 |
| 3 | ME | Sappi - Somerset | 8200111 | 0,1,37 | 12 | 3.82 | 0.23 |
| 4 | OH | P. H. Glatfelter Company - Chillicothe | 8131111 | 147671 | 10 | 1.48 | 3.74 |
| 5 | ME | Woodland Pulp LLC | 5974211 | 0 | 9 | 7.47 | 0.07 |
| 6 | IN | Arcelormittal Burns Harbor Inc. | 7376511 | 0 | 6 | 1.51 | 2.02 |
| 7 | NY | Finch Paper LLC | 8325211 | 0,12 | 6 | 7.64 | 0.24 |
| 8 | TN | Eastman Chemical Company | 3982311 | B2531,B3251,B831 | 4 | 2.18 | 4.33 |
| 9 | ME | Fmc Biopolymer | 5692011 | 0 | 3 | 1.68 | 0.04 |
| 10 | ME | The Jackson Laboratory | 7945211 | 18 | 3 | 9.00 | 0.01 |
| 11 | VA | Smurfit Stone Container Corporation - | 4182011 | 0,2,4,7 | 3 | 2.08 | 2.05 |
| 12 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939, 005-0147-6-0941, 0 | 2 | 2.53 | 2.39 |
| 13 | ME | Verso Paper - Androscoggin Mill | 7764711 | 0 | 2 | 1.44 | 0.06 |
| 14 | PA | PPG Ind Inc./Works No 6 | 6463511 | 0,S01,S02 | 2 | 1.15 | 1.77 |
| 15 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG, EP-No. 4 PB, EP-Recovery 10,EP-Riley Bark,EP-Riley Coal | 1 | 1.09 | 1.59 |
| 16 | NJ | Atlantic County Utilities Authority | 8093211 | 0 | 1 | 1.67 | 0.02 |
| 17 | NJ | Gerresheimer Moulded Glass | 1280461 | 0 | 1 | 1.00 | 0.18 |
| 18 | NY | International Paper Ticonderoga Mill | 7991711 | 44 | 1 | 1.14 | 0.14 |
| 19 | NY | Kodak Park Division | 8091511 | 4 | 1 | 1.42 | 0.60 |
| 20 | PA | Keystone Portland Cement/East Allen | 6582211 | S73 | 1 | 1.07 | 0.60 |
| 21 | PA | Philadelphia Energy Sol REF/PES | 6652211 | 0 | 1 | 1.05 | 0.98 |

## 4.3 Sensitivity Analyses for Annual vs. 95th Percentile Emissions

A simple comparison of CALPUFF-predicted visibility extinction for daily 95th percentile emissions versus evenly distributed annual emissions was conducted in order to understand how much difference could be introduced with the two approaches. This study focused primarily on daily 95th percentile emissions in order to better understand potential impacts when a non-baseloaded emissions unit operates at near peak operations. For example, a unit

that only operates 10 days out of the year would consider 95th percentile emissions during those days instead of evenly distributing the total emissions for those ten day over the full 365 days for the year. In the latter case, even distribution of annual emissions would be highly diluted from 355 days with zero emissions.

Even Distribution of Annual Emissions = Total Annual Emissions / 365 Days per Year

The following set of scatter plots (Figures 37-40) for five MANE-VU Class I areas compares model-predicted visibility extinction for the even distribution of annual emissions (x-axis) and the 95th percentile emissions (y-axis). Each plot includes about 100 EGU units that were modeled with both techniques. The full set of over 300 EGU units was not modeled in order to conserve resources. Instead, an illustrative subset was selected such that EGU units with relatively higher 95th percentile $SO_2$ emissions were included with a good geographic distribution throughout the domain.

In each case, it is clear that potential peak visibility impairment is considerably understated when using an even distribution of annual emissions. The degree of understatement tracks with lowering operating hours.

**Figure 37: Acadia EGU Visibility Extinction for 95th Percentile and Annual Emissions**

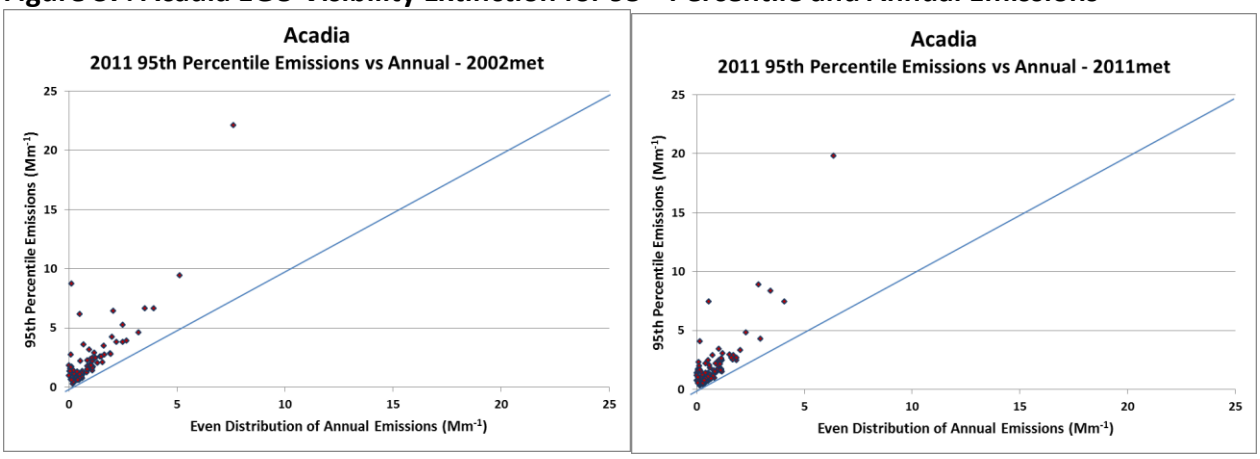



**Figure 38: Brigantine EGU Visibility Extinction for 95th Percentile and Annual Emissions**

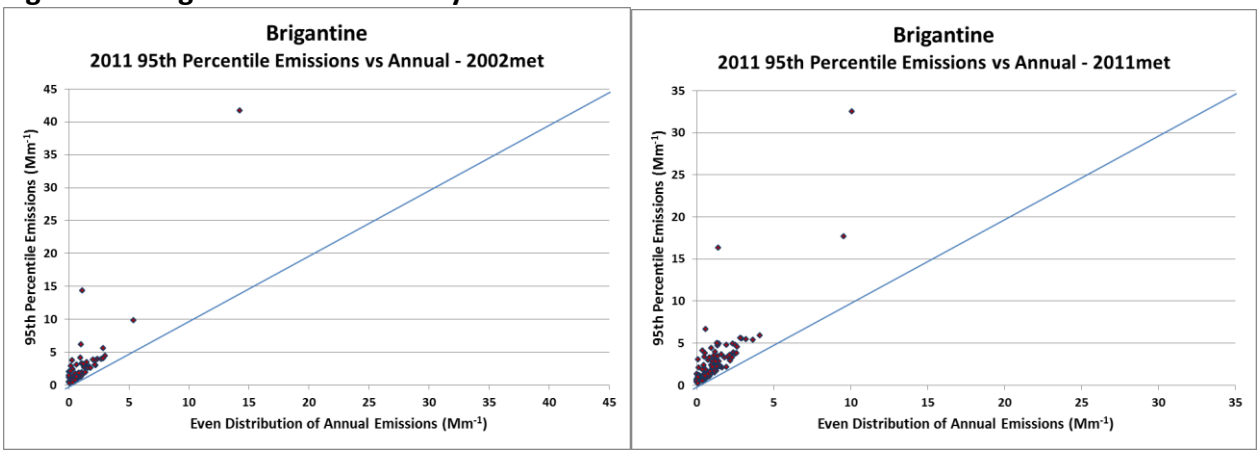


**Figure 39: Great Gulf EGU Visibility Extinction for 95th Percentile and Annual Emissions**

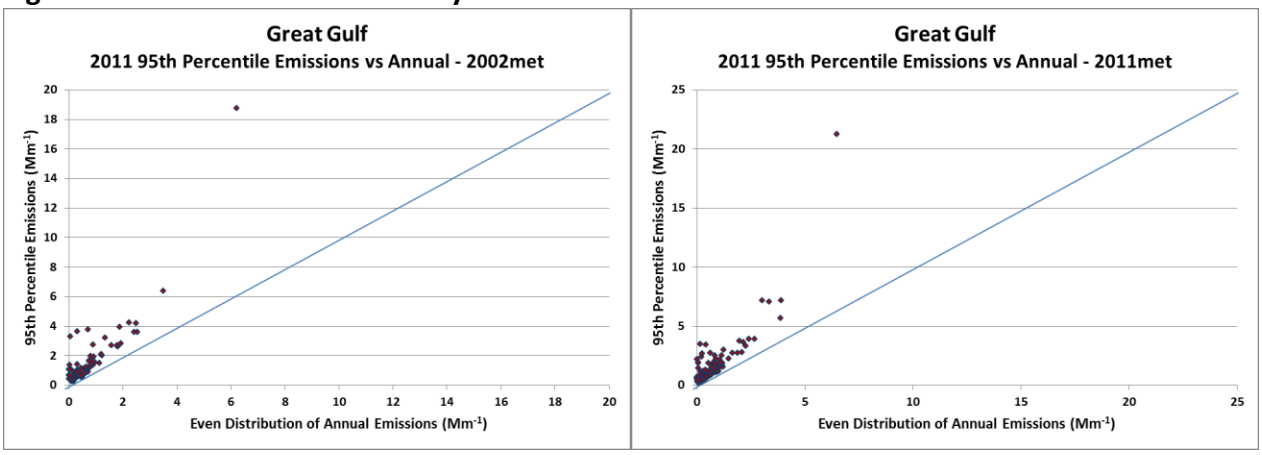
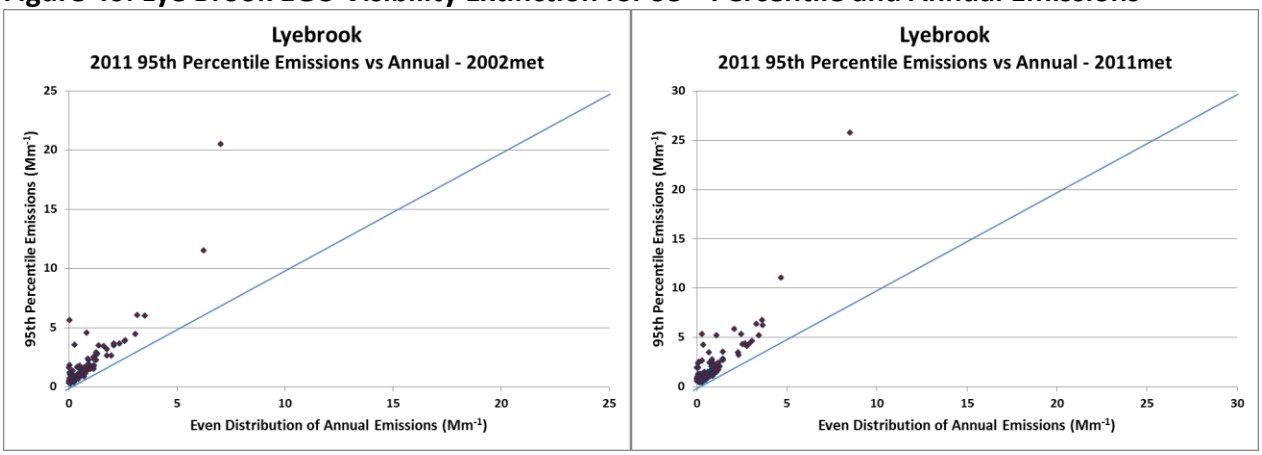



**Figure 40: Lye Brook EGU Visibility Extinction for 95th Percentile and Annual Emissions**




## 4.4 Effect of Meteorology

Distance, meteorology and wind patterns are obviously large components to emissions dispersion. As the distance from stack to Class I area grows, so does the importance of prevailing wind patterns that exist in each year of meteorology. Sections 4.1 and 4.2 noted different visibility impacts for the three different meteorological years, despite the use of the same emissions. The data show that one stack may produce maximum visibility impacts with one year of meteorology while another stack produces maximum impact with another year of meteorology, but overall, did one year of meteorology produce greater visibility impacts at MANE-VU Class I areas than the others?

To examine this, a simple analysis was conducted counting the number of stacks that produced maximum modeled visibility impacts in each of the three years of meteorology modeled. Table 36 compares 159 EGU stacks modeled with 2011 95th percentile emissions for all three years of meteorology and tracks the number of times a stack produced a maximum visibility extinction over the three years of meteorology as well as the cumulative extinction for all 159 stacks for that year. Table 37 provides this information for 139 ICI stacks.

**Table 36: EGU Stack Cumulative Comparison for Three Years of Meteorology**

| | # Maxima | | | Cumulative Extinction | | |
|---|---|---|---|---|---|---|
| | 2002 | 2011 | 2015 | 2002 | 2011 | 2015 |
| Acadia | 80 | 41 | 38 | 280.8 | 255.7 | 235.5 |
| Brigantine | 38 | 66 | 55 | 332.3 | 395.1 | 350.5 |
| Campobello | 87 | 47 | 25 | 231.4 | 203.4 | 184.3 |
| Great Gulf | 47 | 72 | 40 | 192.0 | 232.6 | 201.2 |
| Lye Brook | 48 | 75 | 36 | 245.5 | 284.9 | 249.9 |
| Moosehorn | 77 | 48 | 34 | 237.4 | 214.9 | 199.8 |
| Presidential Range | 53 | 70 | 36 | 205.1 | 244.0 | 212.8 |
| Total | **430** | 419 | 264 | 1724.5 | **1830.6** | 1634 |

For EGU stacks (Table 36), 2002 meteorology emerged as worst case for the EGU stacks modeled in this analysis, and 2011 produced the greatest cumulative extinction. However, 2011 meteorology produced a similar number of EGU stacks with maximum visibility impacts, while the number of stacks providing maximum impacts during 2015 was about 40% lower than the rates experienced with 2002 and 2011 meteorology. Worst case visibility modeling for Acadia, Campobello, Moosehorn, Dolly Sods, and Otter Creek occurred with 2002 meteorology; worst case for Brigantine, Great Gulf, Lye Brook, Presidential Range, James River Face, and Shenandoah occurred with 2011 meteorology.

**Table 37: ICI Cumulative Comparison for Three Years of Meteorology**

| | # Maxima | | | Cumulative Extinction | | |
|---|---|---|---|---|---|---|
| | 2002 | 2011 | 2015 | 2002 | 2011 | 2015 |
| Acadia | 53 | 44 | 40 | 37.8 | 35.4 | 36.5 |
| Brigantine | 12 | 58 | 67 | 30.2 | 45. 7 | 39.8 |
| Campobello | 63 | 46 | 28 | 25.2 | 22.6 | 21.5 |
| Great Gulf | 26 | 54 | 57 | 19.2 | 29.9 | 26.8 |
| Lye Brook | 21 | 68 | 48 | 31. 8 | 50.0 | 39.4 |
| Moosehorn | 62 | 46 | 29 | 30. 8 | 27.7 | 25.8 |
| Presidential Range | 31 | 51 | 55 | 21.0 | 31.9 | 29.3 |
| Total | 268 | **367** | 324 | 195.9 | **243.2** | 219.0 |

Figures 41-52 present state-by-state extinction values for each MANE-VU Class I area based on modeling of 2011 emissions over the three years of meteorology. The extinction values for each state are the sum of the extinctions calculated for each source in the state. All results for 2011 95$^{th}$ emissions and 2002 meteorology are based on modeled results, but smaller subsets of sources were modeled for the later meteorology years (see discussion of phases in section 3.2). Therefore, extinction is calculated for the 2011 and 2015 meteorology years for some sources based on ratios developed from sources modeled over all three years.

The three colors in the charts represent the minimum, middle, and maximum impacts from among the three meteorology years, but the year that corresponds to each of these categories may differ from state to state. The intent of the chart is not to show which meteorology year led to the maximum visibility impact, but to illustrate the variability in impacts over the three years from differing weather patterns.

To make this variability easier to distinguish, the data labels above each bar describe the maximum impact as a multiple of the minimum impact; that is, a value of 2.0 indicates that the maximum impact was twice the minimum impact. A value of 1.0 means there was no appreciable difference among the three years. States are ordered in decreasing order based on this multiplying factor, such that the leftmost states show the greatest percent increase from minimum to maximum (though the absolute difference may be small), and the rightmost states show the least difference due to changes in meteorology.

The variability of predicted visibility impacts due to changes in annual meteorology is significant and warrants additional analysis. There appears to be enough differences in modeled impacts and contributions introduced to suggest that modeling with one year of meteorology may not be sufficient to capture important transport patterns that may cycle more in some years and may be absent in others.

**Figure 41: Acadia NP – Variability in EGU Visibility Impact by State and Meteorology Year – 2011 95th Percentile Emissions with Three Years of Meteorology**

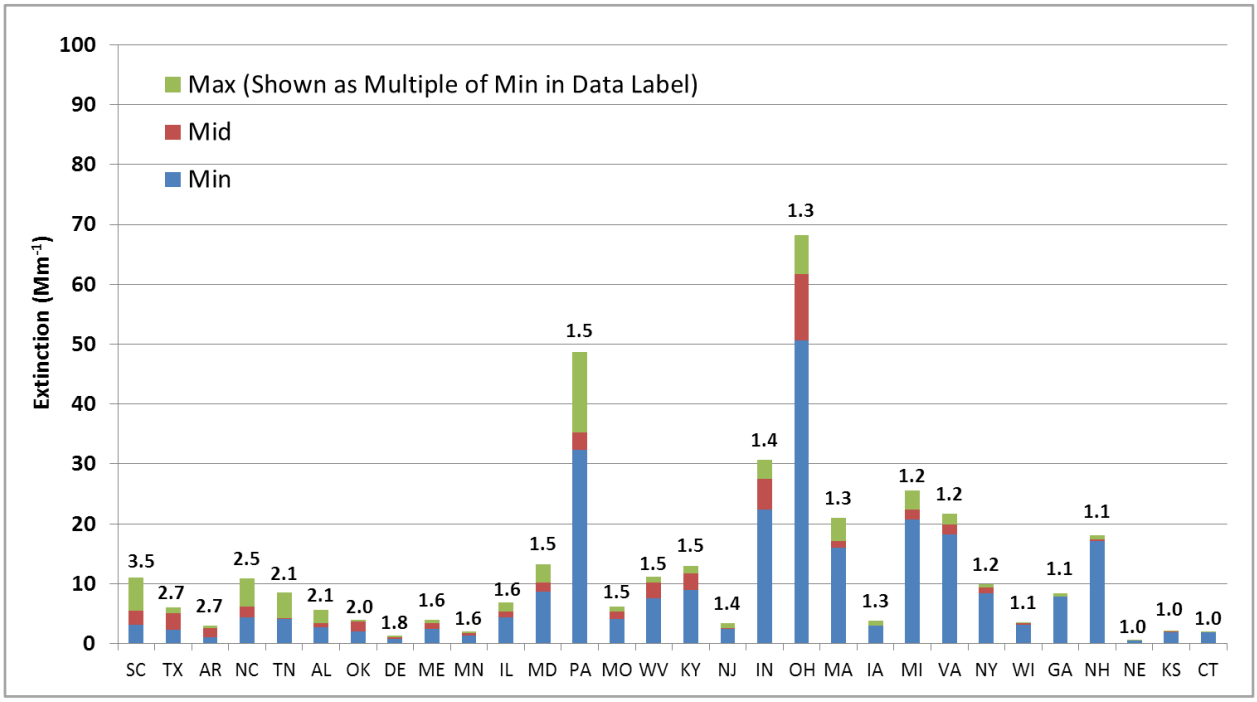



**Figure 42: Acadia NP – Variability in ICI Visibility Impact by State and Meteorology Year – 2011 Typical Emissions with Three Years of Meteorology**

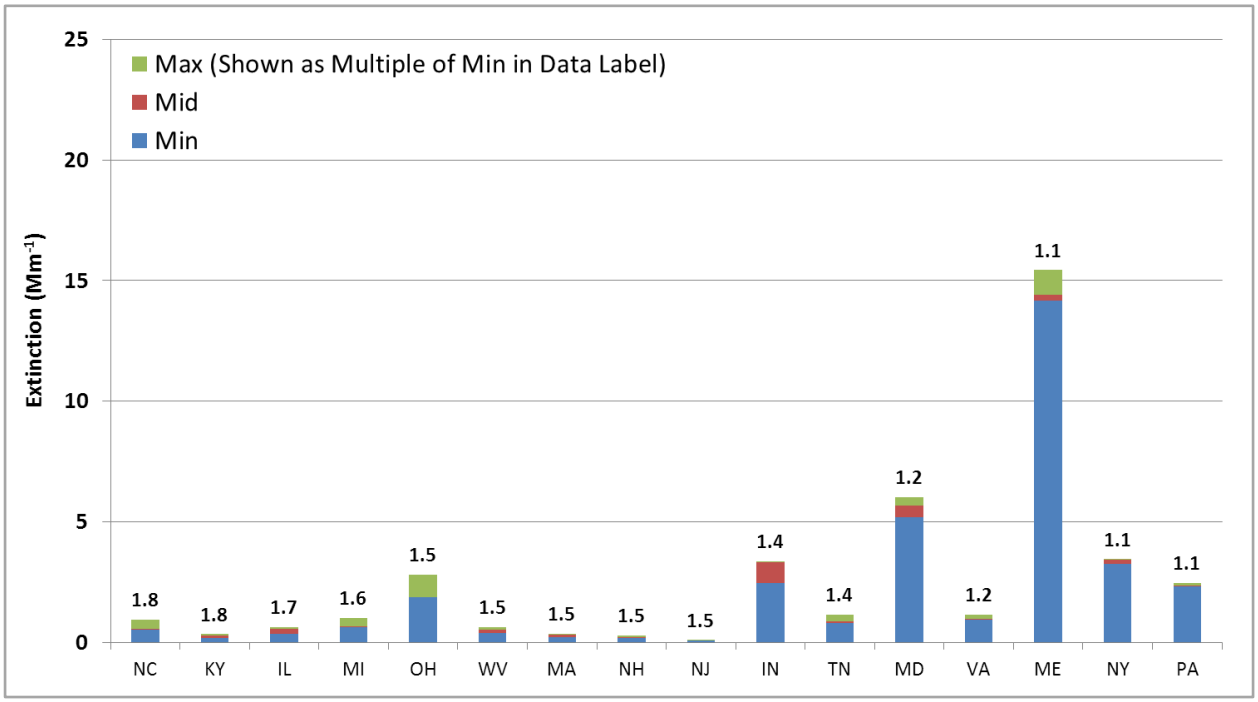


**Figure 43: Brigantine – Variability in EGU Visibility Impact by State and Meteorology Year – 2011 95th Percentile Emissions with Three Years of Meteorology**

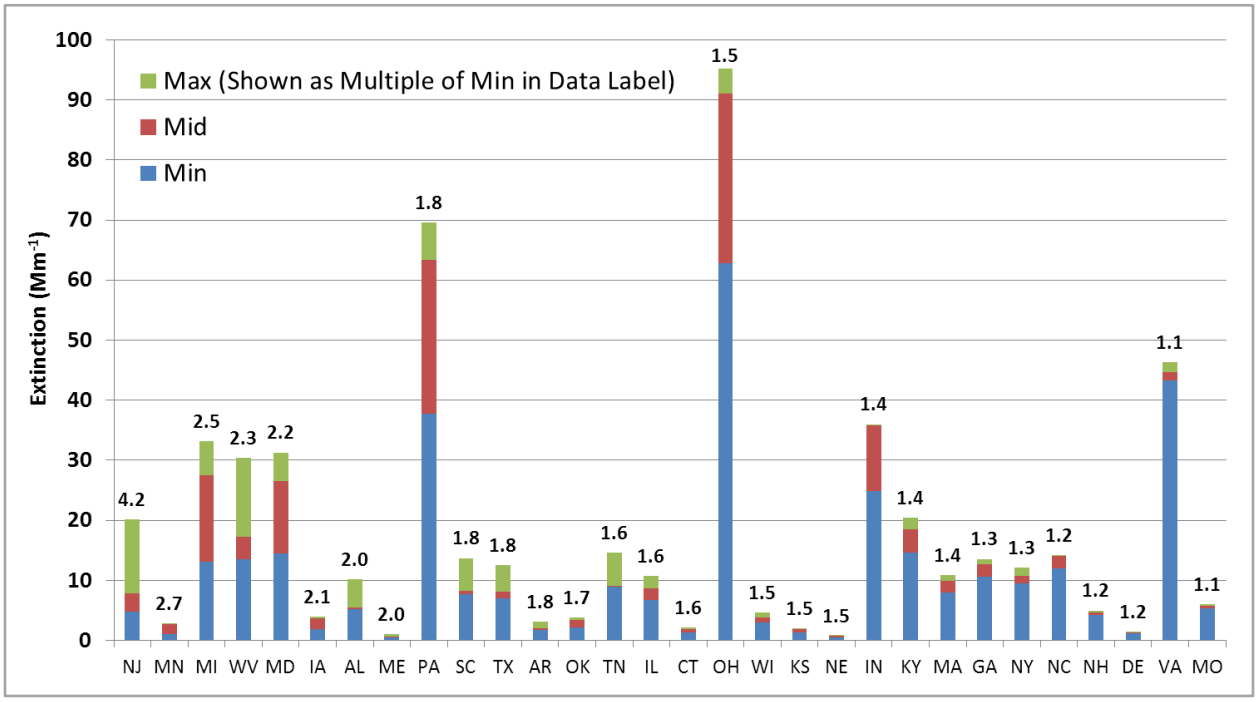



**Figure 44: Brigantine – Variability in ICI Visibility Impact by State and Meteorology Year – 2011 Typical Emissions with Three Years of Meteorology**

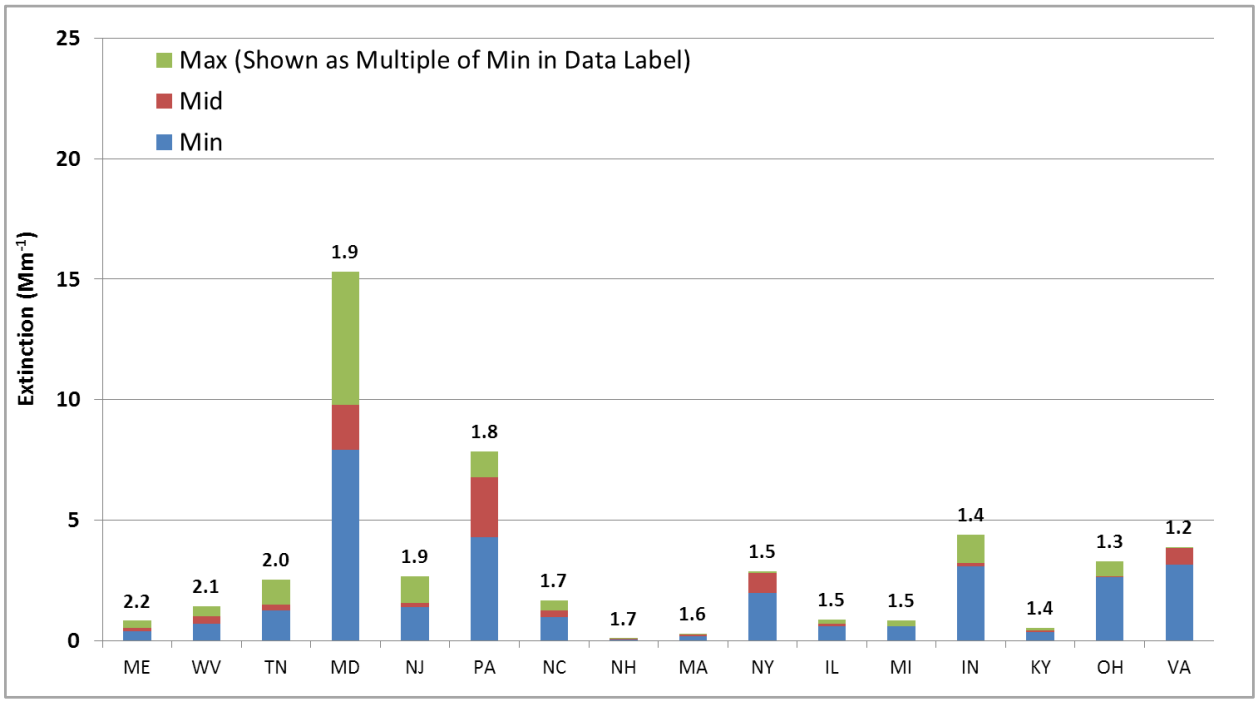


**Figure 45: Great Gulf – Variability in EGU Visibility Impact by State and Meteorology Year – 2011 95th Percentile Emissions with Three Years of Meteorology**

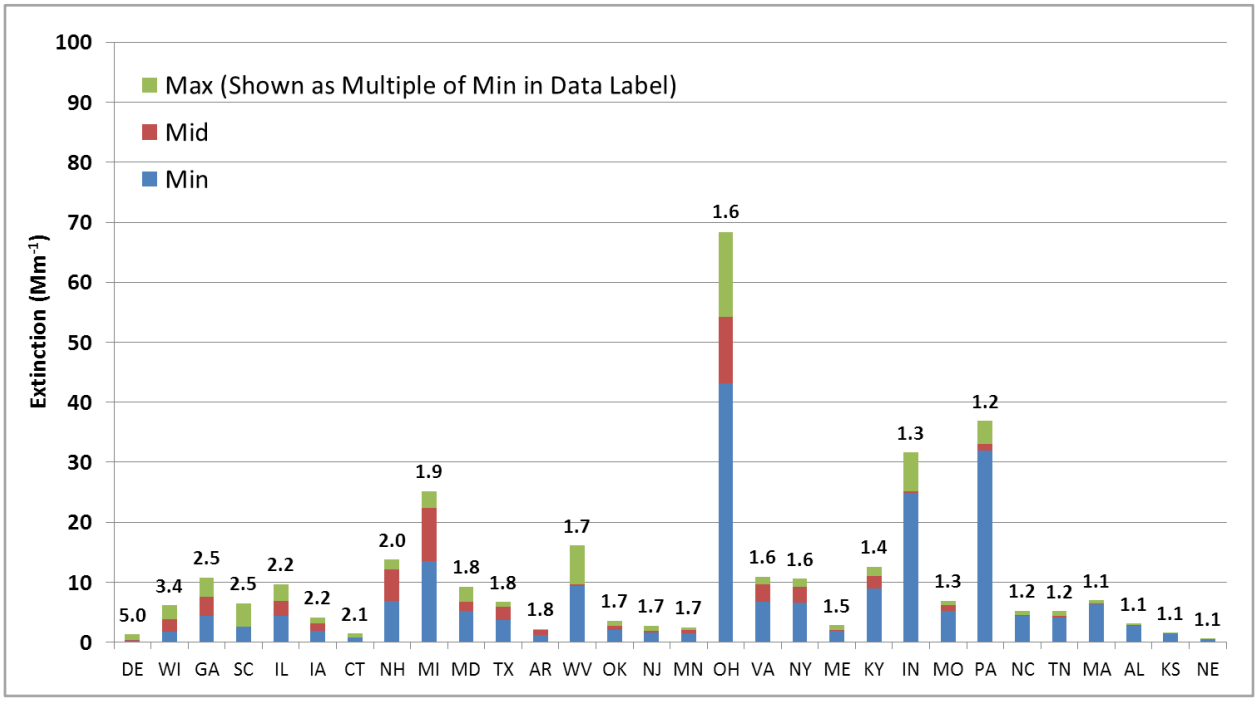



**Figure 46: Great Gulf – Variability in ICI Visibility Impact by State and Meteorology Year – 2011 Typical Emissions with Three Years of Meteorology**

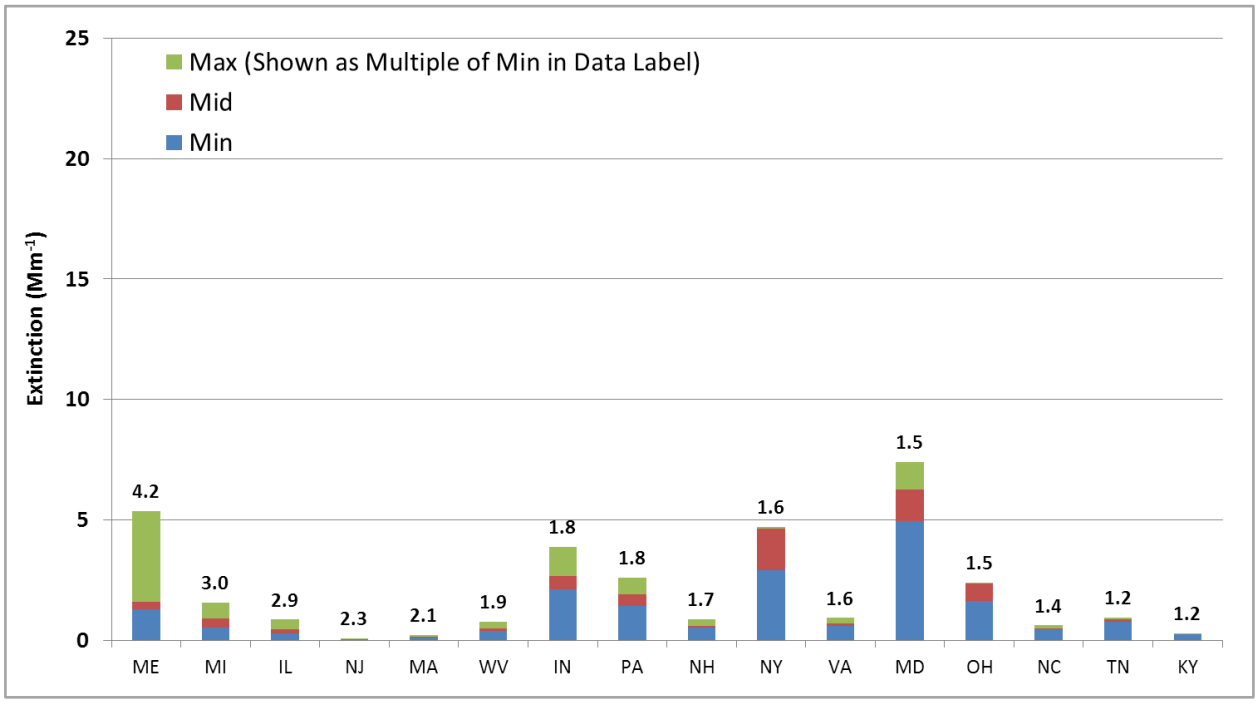


**Figure 47: Lye Brook – Variability in EGU Visibility Impact by State and Meteorology Year – 2011 95th Percentile Emissions with Three Years of Meteorology**

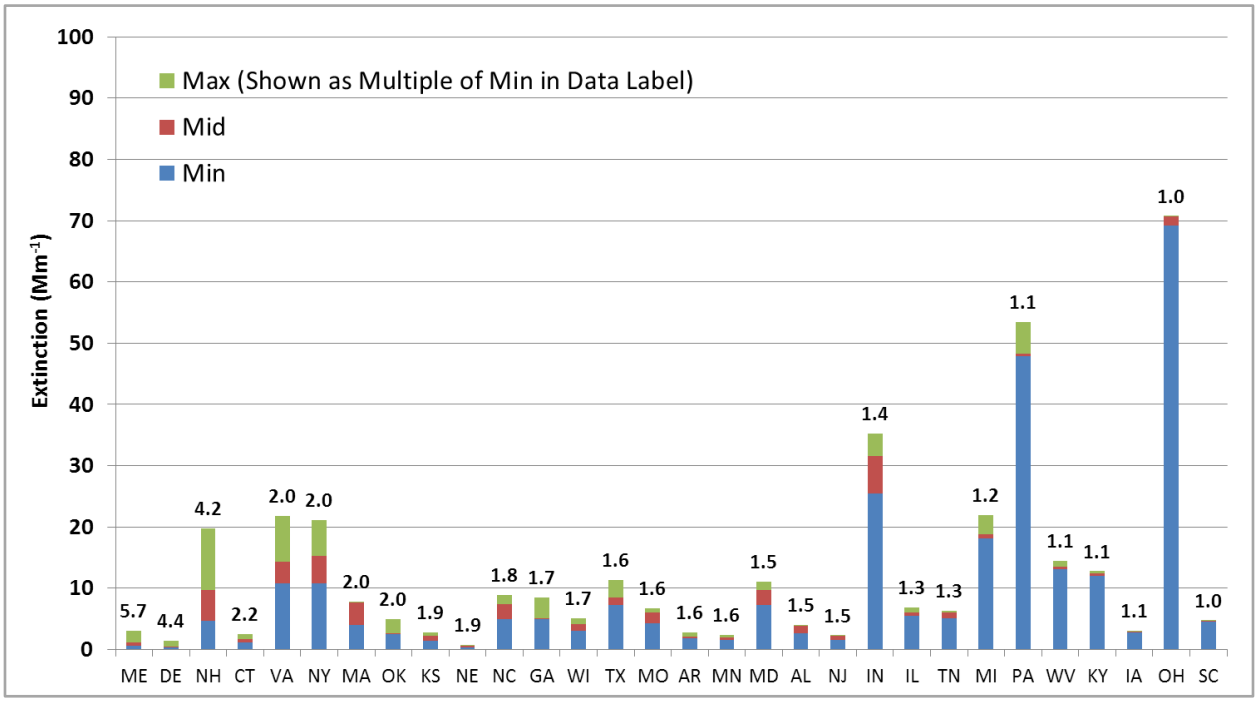



**Figure 48: Lye Brook – Variability in ICI Visibility Impact by State and Meteorology Year – 2011 Typical Emissions with Three Years of Meteorology**

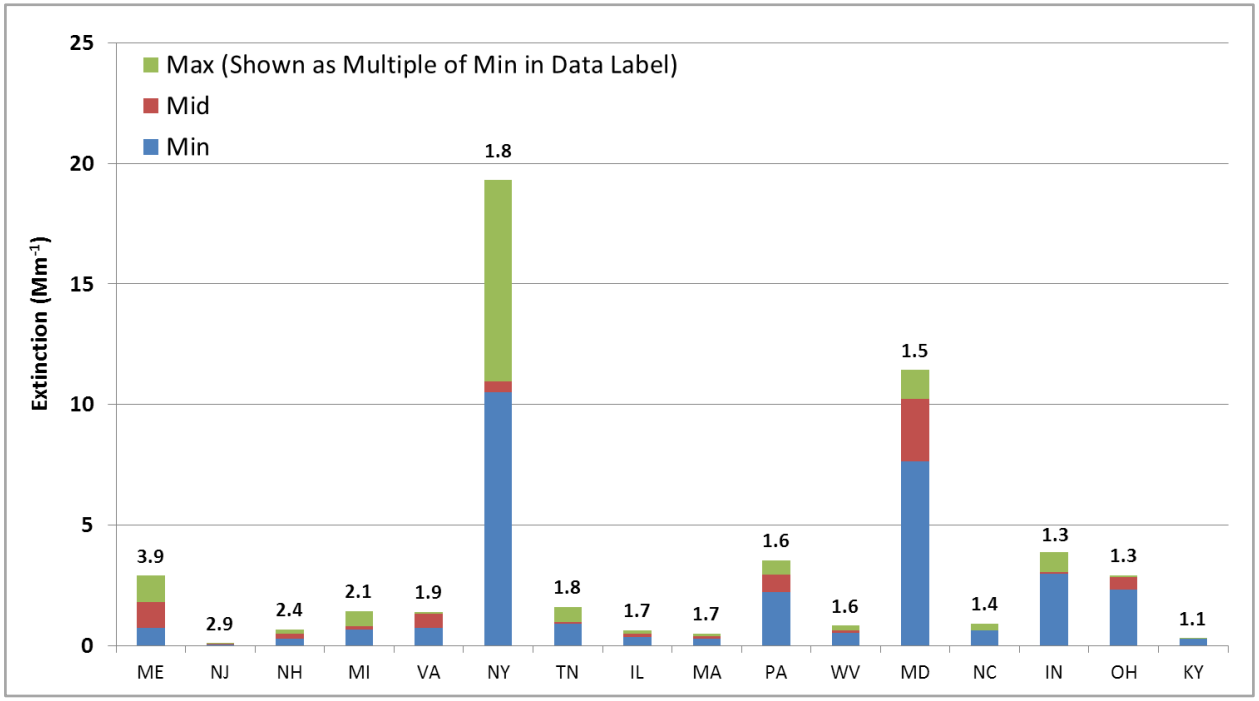


**Figure 49: Moosehorn – Variability in EGU Visibility Impact by State and Meteorology Year – 2011 95th Percentile Emissions with Three Years of Meteorology**

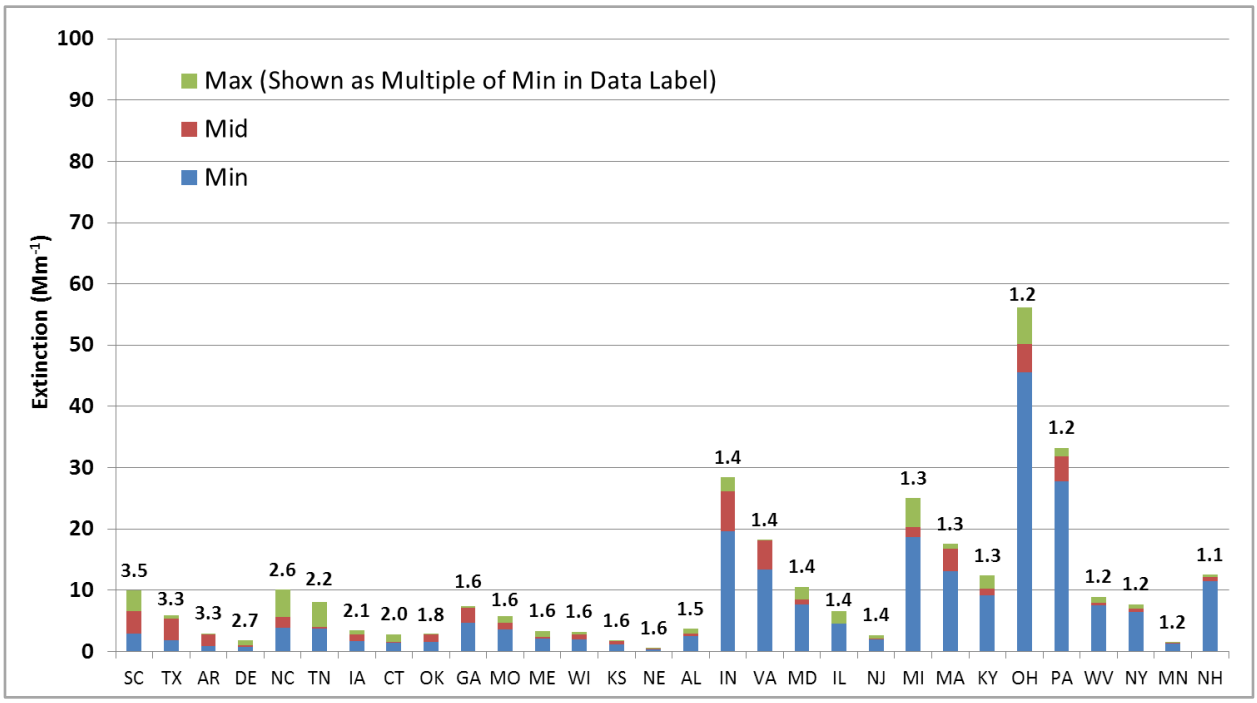
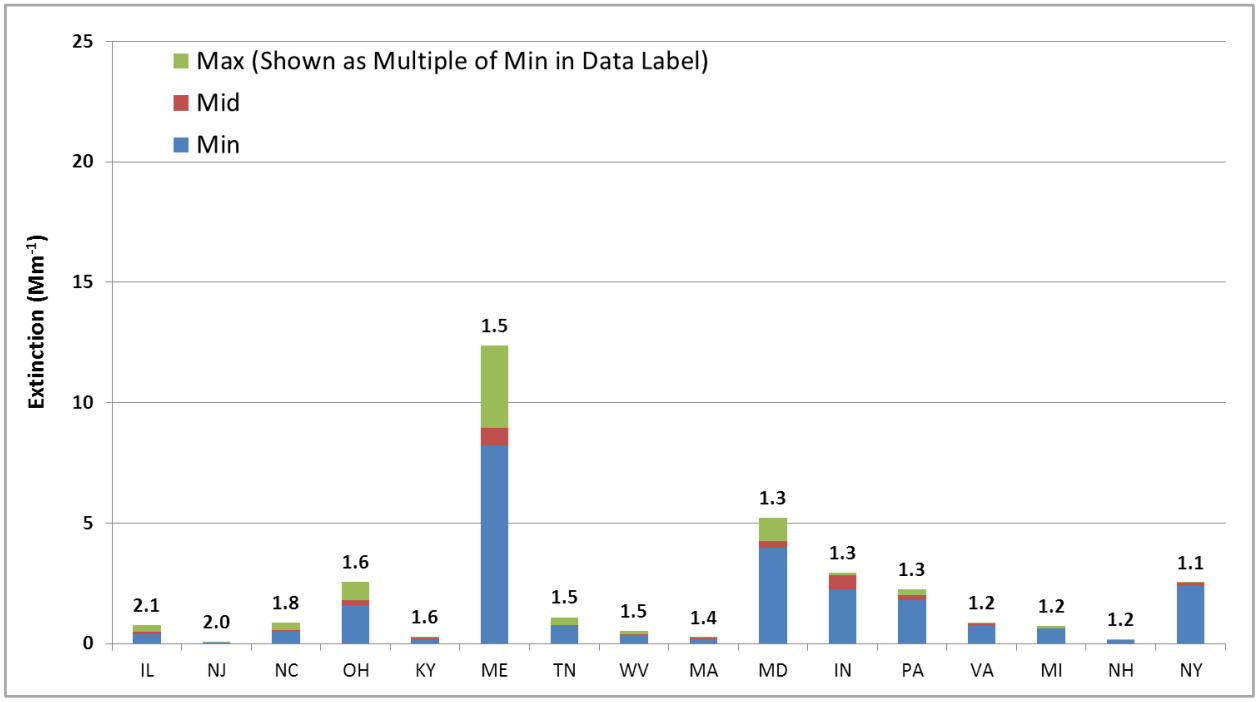



**Figure 50: Moosehorn – Variability in ICI Visibility Impact by State and Meteorology Year – 2011 Typical Emissions with Three Years of Meteorology**



## 4.5 State-by-State EGU Visibility Extinction Percentages

This section provides a state-by-state breakdown for EGU visibility extinction for 2011 and 2015 using 95$^{th}$ percentile emissions. Table 38 includes only those emission sources located within the modeling domain and modeled in this exercise. There are other emission sources in each state, including smaller EGUs not modeled in this analysis because it was assumed their impacts would be small based on the selection criteria used.

This table makes the rough assumption that extinction values for each modeled EGU within a state can be summed to give the state's total impact and that the maximum of these total extinction values over the three years of meteorology provides an estimate of the state's potential visibility impact to each regional Class I area. These total state contributions are ranked by the maximum extinction among each of the Class I areas and over the two emission years; this ranking becomes dominated by the 2011 extinction values for Brigantine, which produced the largest values overall.

The color scheme applies to all data in the table (inclusive of both 2011 and 2015 emission year data). The highest values are dark red, and the lowest values are dark blue, with both ends of the range gradating to white for middle values. The largest and smallest contributors are similar between the two emission years, but, as illustrated by the greater number of medium and dark blue cells, state contributions are lower overall with 2015 EGU emissions. The color scales also demonstrate that the relative rank of each state's contributions is fairly similar from one Class I area to the next.

Note that the 2011 emissions year includes a much more robust set of sources than the 2015 emissions year (308 compared to 130). Also, for meteorology years without modeled outputs, extinction values are calculated from ratios. For 2015 emissions, sources were modeled only with 2015 meteorology; 2002 and 2011 meteorology year results are calculated (see also section 4.1). For 2011 emissions, some sources were modeled for all three years, but others were modeled using 2002 meteorology only. In the latter case, extinction ratios from those sources modeled for all three years were used to calculate extinction values for the 2011 and 2015 meteorology years.

**Table 38: State-by-State Contribution to Visibility Impairment at Class I Areas from Modeled EGUs (Expressed as Extinction in $Mm^{-1}$ and Based on Maximum Extinction from 2002, 2011, and 2015 Meteorology with 2011 and 2015 95th Percentile Emissions)**

| | 2011 EGUs | | | | | 2015 EGUs | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| State* | Moose-horn | Acadia NP | Great Gulf | Lye Brook | Brigan-tine | Moose-horn | Acadia NP | Great Gulf | Lye Brook | Brigan-tine |
| OH | 56.1 | 68.2 | 68.3 | 70.8 | 95.3 | 18.9 | 22.7 | 26.7 | 24.7 | 33.0 |
| PA | 33.2 | 48.6 | 36.9 | 53.4 | 69.5 | 23.1 | 35.1 | 27.1 | 37.4 | 48.5 |
| IN | 28.4 | 30.7 | 31.6 | 35.2 | 46.3 | 12.5 | 13.6 | 12.9 | 12.4 | 18.6 |
| MI | 25.1 | 25.6 | 25.2 | 21.9 | 36.0 | 12.9 | 13.7 | 14.5 | 14.8 | 21.9 |
| VA | 18.2 | 21.6 | 16.2 | 21.8 | 33.1 | 5.3 | 7.0 | 6.1 | 7.9 | 14.4 |
| MA | 17.6 | 21.0 | 13.8 | 21.2 | 31.3 | 10.9 | 12.0 | 8.8 | 8.3 | 16.3 |
| NH | 12.5 | 18.1 | 12.6 | 19.7 | 30.4 | 6.9 | 7.2 | 7.4 | 7.9 | 16.0 |
| MD | 12.4 | 13.3 | 11.0 | 14.4 | 20.5 | 4.3 | 5.0 | 4.1 | 4.7 | 5.7 |
| KY | 10.6 | 13.0 | 10.8 | 12.8 | 20.2 | 5.0 | 5.9 | 5.0 | 5.8 | 6.5 |
| WV | 10.0 | 11.2 | 10.6 | 11.4 | 14.6 | 5.1 | 6.2 | 5.2 | 6.6 | 9.6 |
| SC | 9.9 | 11.1 | 9.7 | 11.1 | 14.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| NC | 8.9 | 10.9 | 9.2 | 8.9 | 13.7 | 1.0 | 1.1 | 1.0 | 1.0 | 1.5 |
| NY | 8.0 | 10.0 | 7.0 | 8.5 | 13.6 | 2.7 | 3.0 | 3.7 | 4.6 | 3.8 |
| TN | 7.7 | 8.6 | 6.9 | 7.8 | 12.5 | 1.7 | 1.7 | 2.1 | 1.4 | 3.0 |
| GA | 7.3 | 8.5 | 6.7 | 6.9 | 12.1 | 3.4 | 3.8 | 3.9 | 4.7 | 5.7 |
| IL | 6.6 | 6.9 | 6.5 | 6.7 | 10.9 | 1.6 | 1.5 | 1.2 | 1.3 | 2.8 |
| MO | 5.9 | 6.2 | 6.2 | 6.4 | 10.8 | 1.1 | 1.2 | 1.0 | 1.2 | 1.6 |
| TX | 5.7 | 6.1 | 5.2 | 5.1 | 10.2 | 2.4 | 2.7 | 2.9 | 3.7 | 3.1 |
| ME | 3.4 | 4.0 | 3.6 | 4.0 | 4.7 | 4.9 | 5.6 | 4.8 | 5.1 | 6.3 |
| AL | 3.7 | 5.7 | 5.2 | 5.0 | 6.0 | 0.5 | 0.7 | 0.6 | 0.6 | 1.0 |
| OK | 3.5 | 4.0 | 4.2 | 4.7 | 5.0 | 1.0 | 0.9 | 0.9 | 1.0 | 1.4 |
| IA | 3.2 | 3.9 | 3.1 | 3.1 | 3.9 | 1.2 | 1.3 | 1.1 | 1.3 | 2.1 |
| WI | 3.0 | 3.5 | 2.8 | 3.0 | 3.8 | 0.3 | 0.3 | 0.3 | 0.3 | 0.4 |
| NJ | 2.8 | 3.4 | 2.8 | 2.8 | 3.1 | 0.7 | 0.9 | 0.9 | 0.9 | 1.2 |
| AR | 2.7 | 3.0 | 2.5 | 2.7 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| MN | 2.7 | 2.1 | 2.2 | 2.6 | 2.1 | 0.4 | 0.4 | 0.5 | 0.4 | 0.5 |
| KS | 1.8 | 2.0 | 1.6 | 2.4 | 2.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 |
| CT | 1.8 | 1.9 | 1.5 | 2.2 | 1.5 | 0.7 | 0.9 | 0.8 | 0.7 | 1.1 |
| DE | 1.6 | 1.3 | 1.3 | 1.4 | 1.1 | 0.3 | 0.3 | 0.2 | 0.1 | 0.3 |

*States are ranked by maximum extinction among the five Class I areas and both emission years (2011 and 2015).

## 5.0 Summary and Further Analysis

Modeling results provided in this report are not intended to provide policy recommendations. It is anticipated that this data will subsequently be analyzed for better understanding and potential policy development. While the MANE-VU states consider CALPUFF a good model for this type of analysis, it is recommended that selection of emissions sources for any policy recommendation be additionally based on further analyses such as a 4-factor analysis.

MANE-VU will review these modeling results in conjunction with other information about these sources. This report by itself is not sufficient to indicate a need for controls on specific sources, but rather is an indication that certain sources should be analyzed in more detail. Some of these sources have shut down or reduced emissions considerably since 2011, while others have increased emissions of $SO_2$ and/or $NO_X$. Similarly, this report will be used in conjunction with other information about sources and their potential impacts and is not by itself sufficient to identify where or when additional emission controls may be reasonable. MANE-VU will consult with other states and regional organizations as it proceeds to consider what additional emissions reductions are reasonable for improving visibility at MANE-VU Class I areas by 2028.

Observations resulting from this 2016 CALPUFF modeling exercise include:

1. Emissions of $SO_2$ and $NO_X$ from EGUs are lower in 2015 compared to 2011 at many EGUs, however some show some increased emissions.
2. Modeled sulfate, nitrate and visibility impacts for 95$^{th}$ percentile emissions produce substantially different results than modeling with annual emissions, especially for units with low operating hours.
3. The application of three different years of meteorology with identical emission rates can provide differing maximum sulfate, nitrate and visibility impacts. In some cases, the difference is substantial. Additional analysis of meteorological influence on emission source impacts to downwind areas is highly recommended.
4. Emission sources located close to Class I areas typically show higher visibility impacts than similarly sized facilities further away. But visibility degradation appears to be dominated by more distant emission sources.
5. This analysis indicates that some industrial emissions sources other than EGUs may have significant impacts on visibility at MANE-VU Class I areas. Several of these sources are located in MANE-VU, while a few are located in nearby states.

## References

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# Appendix A

## A.1 EGU Sources Modeled in Phases I-VI

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| AL | Colbert | 47 | 1, 2, 3, 4 | ✓ | | | | ✓ | |
| AL | E C Gaston | 26 | 1, 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| AL | E C Gaston | 26 | 3, 4 | ✓ | ✓ | | | | ✓ |
| AL | E C Gaston | 26 | 5 | ✓ | | | | | |
| AL | Greene County | 10 | 1 | ✓ | | | | | |
| AR | Flint Creek Power Plant | 6138 | 1 | ✓ | | | | | |
| AR | Independence | | 1 | ✓ | | | | | |
| AR | Independence | | 2 | ✓ | | | | | |
| AR | White Bluff | | 1 | ✓ | | | | | |
| AR | White Bluff | | 2 | ✓ | | | | | |
| CT | Bridgeport Harbor Station | 568 | BHB3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| CT | Middletown | 562 | 4 | ✓ | | | | | |
| CT | New Haven Harbor | 6156 | NHB1 | ✓ | | | | | |
| DE | Edge Moor | 593 | 5 | ✓ | | | | | |
| DE | Indian River | 594 | 4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| GA | Bowen | 703 | 1BLR | ✓ | | | | | |
| GA | Bowen | 703 | 2BLR | ✓ | | | | | |
| GA | Bowen | 703 | 3BLR | ✓ | | | | | |
| GA | Bowen | 703 | 4BLR | ✓ | | | | | |
| GA | Harllee Branch | 709 | 1,2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| GA | Harllee Branch | 709 | 3&4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| GA | Jack McDonough | | MB1, MB2 | ✓ | ✓ | | ✓ | ✓ | ✓ |
| GA | Scherer | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| GA | Scherer | | 2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| GA | Scherer | | 4 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| GA | Yates | | Y5BR | ✓ | | | | | |
| GA | Yates | | Y6BR | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| GA | Yates | | Y7BR | ✓ | ✓ | ✓ | ✓ | | ✓ |
| IA | George Neal North | | 3 | ✓ | | | | | |
| IA | George Neal South | | 4 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| IA | Louisa | | 101 | ✓ | | | | | |

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| IA | Ottumwa | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IA | Walter Scott Jr. Energy Center | | 3 | ✓ | | | | | |
| IL | Baldwin Energy Complex | | 1,2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IL | Joliet 29 | | 81, 82 | ✓ | | | | ✓ | |
| IL | Joppa Steam | | 1, 2 | ✓ | | | | | |
| IL | Joppa Steam | | 3, 4 | ✓ | | | | | |
| IL | Kincaid Generating Station | | 1, 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IL | Marion | | 4 | ✓ | | | | | |
| IL | Newton | | 1 | | | | | | |
| IL | Newton | | 2 | ✓ | | | | | |
| IL | Powerton | | 51,52, 61,62 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IL | Wood River Power Station | | 5 | ✓ | | | | | |
| IN | Alcoa Allowance Management Inc | 6705 | 3 | ✓ | | | | | |
| IN | Alcoa Allowance Management Inc | 6705 | 4 | ✓ | | | | | |
| IN | Alcoa Allowance Management Inc | 6705 | 1,2 | ✓ | | | | | |
| IN | Cayuga | 1001 | 1 | ✓ | | | | | |
| IN | Cayuga | 1001 | 2 | ✓ | | | | | |
| IN | Clifty Creek | 983 | 1,2,3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IN | Clifty Creek | 983 | 4,5,6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IN | Gibson | 6113 | 5 | ✓ | | | | | |
| IN | Gibson | 6113 | 1,2,3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IN | Gibson | 6113 | 4 | ✓ | | | | | |
| IN | IPL - Eagle Valley Generating Station | | 5, 6 | ✓ | | | | | |
| IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | ✓ | | | | | |
| IN | IPL - Harding Street Station (EW Stout) | | 50 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| IN | IPL - Harding Street Station | | 60 | ✓ | ✓ | ✓ | ✓ | | ✓ |

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| | (EW Stout) | | | | | | | | |
| IN | IPL - Petersburg Generating Station | | 3 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| IN | IPL - Petersburg Generating Station | | 4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IN | IPL - Petersburg Generating Station | | 1 (50%) | ✓ | | | | | |
| IN | IPL - Petersburg Generating Station | | 2(50% ) | ✓ | | | | | |
| IN | Merom | | 2SG1 | ✓ | | | | | |
| IN | Michigan City Generating Station | | 12 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| IN | R Gallagher | 1008 | 1,2 | ✓ | | | | | |
| IN | R Gallagher | 1008 | 3,4 | ✓ | | | | | |
| IN | Rockport | 6166 | MB1, MB2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IN | Tanners Creek | 988 | U1,U2 ,U3 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| IN | Tanners Creek | 988 | U4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IN | Wabash River Gen Station | 1010 | 2,3,4, 5,6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IN | Whitewater Valley | | 1, 2 | ✓ | ✓ | ✓ | ✓ | | |
| IN | R M Schahfer Generating Station | | 14 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| IN | R M Schahfer Generating Station | | 15 | ✓ | ✓ | ✓ | ✓ | | |
| KS | La Cygne | 1241 | 1 | ✓ | ✓ | ✓ | ✓ | | |
| KS | La Cygne | | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| KS | Nearman Creek | 6064 | N1 | ✓ | | | | | |
| KS | Quindaro | 1295 | 2 | ✓ | | | | | |
| KS | Tecumseh Energy Center | 1252 | 10 | ✓ | | | | | |
| KY | Big Sandy | 1353 | BSU1, BSU2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| KY | D B Wilson | | W1 | ✓ | | | | | |
| KY | E W Brown | 1355 | 2,3 | ✓ | | | | | |
| KY | East Bend | 6018 | 2 | ✓ | | | | | |

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| KY | Ghent | 1356 | 1,2 … (1,4) | ✓ | | | | | |
| KY | Ghent | 1356 | 3,4 … (2,3) | ✓ | ✓ | ✓ | ✓ | | ✓ |
| KY | Green River | | 4 | ✓ | | | | | |
| KY | Green River | | 5 | ✓ | | | | | |
| KY | H L Spurlock | 6041 | 1 | ✓ | | | | | |
| KY | H L Spurlock | 6041 | 2 | ✓ | | | | | |
| KY | John S. Cooper | 1384 | 1,2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| KY | Mill Creek | 1364 | 4 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| KY | Mill Creek | 1364 | 1,2,3 | ✓ | ✓ | ✓ | ✓ | | |
| KY | Paradise | 1378 | 1 | ✓ | ✓ | ✓ | ✓ | | |
| KY | Paradise | 1378 | 2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| KY | Paradise | 1378 | 3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| KY | Shawnee | | 1,2,3, 4,5 | ✓ | | | | | |
| KY | Shawnee | | 6,7,8, 9,10 | ✓ | | | | | |
| MA | Brayton Point | 1619 | 1 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MA | Brayton Point | 1619 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MA | Brayton Point | 1619 | 3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MA | Brayton Point | 1619 | 4 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MA | Canal Station | 1599 | 1 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MA | Canal Station | 1599 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MA | Salem Harbor Station | 1626 | 3 | | | | | | |
| MA | Salem Harbor Station | 1626 | 1 | ✓ | ✓ | | ✓ | | |
| MD | Brandon Shores | 602 | 1 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MD | Brandon Shores | 602 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MD | C P Crane | 1552 | 1 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MD | C P Crane | 1552 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MD | Chalk Point | 1571 | 1,2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MD | Dickerson | 1572 | 1,2,3 | ✓ | | | | | |
| MD | Herbert A Wagner | 1554 | 3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MD | Herbert A Wagner | 1554 | 1,2,4 | ✓ | | | | | |
| MD | Morgantown | 1573 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MD | Morgantown | 1573 | 2 | ✓ | | | | | |
| ME | William F Wyman | 1507 | 1 | ✓ | | | | | |
| ME | William F Wyman | 1507 | 2 | ✓ | | | | | |

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| ME | William F Wyman | 1507 | 3 | ✓ | | | | | |
| ME | William F Wyman | 1507 | 4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MI | Belle River | | 1 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MI | Belle River | | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MI | Dan E Karn | 1702 | 3,4 (1,2) | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MI | J C Weadock | | 7, 8 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MI | J H Campbell | | A,B,1, 2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MI | J H Campbell | | 3 (50%) | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MI | Monroe | 1733 | 1,2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MI | Monroe | 1733 | 3,4 | ✓ | | | | | |
| MI | River Rouge | | 3 | ✓ | | | | | |
| MI | St. Clair | 1743 | 6 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MI | St. Clair | 1743 | 7 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MI | St. Clair | 1743 | 1,2,3, 4,...6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MI | Trenton Channel | 1745 | 16,17, 18,19 | ✓ | ✓ | ✓ | ✓ | | |
| MI | Trenton Channel | 1745 | 9A | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MN | Black Dog | | 3, 4 | ✓ | | | | | |
| MN | Sherburne County | | 3 | ✓ | | | | | |
| MN | Sherburne County | | 1, 2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| MO | Labadie | | 1 | ✓ | | | | | |
| MO | Labadie | | 3 | ✓ | | | | | |
| MO | Labadie | | 4 | ✓ | ✓ | ✓ | ✓ | | |
| MO | Meramec | | 3 | ✓ | | | | | |
| MO | New Madrid Power Plant | | 1 | ✓ | | | | | |
| MO | New Madrid Power Plant | | 2 | ✓ | | | | | |
| MO | Rush Island | | 1 | ✓ | | | | | |
| MO | Rush Island | | 2 | ✓ | | | | | |
| MO | Sibley | | 1, 2, 3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MO | Sikeston | | 1 | ✓ | | | | | |
| MO | Thomas Hill Energy Center | | MB3 | ✓ | | | | | |
| NC | Belews Creek | 8042 | 1 | ✓ | | | | | |
| NC | Belews Creek | 8042 | 2 | ✓ | | | | | |
| NC | Cape Fear | 2708 | 6 | ✓ | ✓ | | ✓ | | |
| NC | Cliffside | 2721 | 5 | ✓ | | | | | |

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| NC | H F Lee Steam Electric Plant | | 3 | ✓ | ✓ | | ✓ | | |
| NC | L V Sutton | | 3 | ✓ | ✓ | | ✓ | | |
| NC | L V Sutton | | 1, 2 | ✓ | ✓ | ✓ | ✓ | | |
| NC | Marshall | 2727 | 3 | ✓ | | | | | |
| NC | Marshall | 2727 | 4 | ✓ | | | | | |
| NC | Marshall | 2727 | 1,2 | ✓ | | | | | |
| NC | Mayo | 6250 | 1A,1B | ✓ | ✓ | | ✓ | | |
| NC | Riverbend | 2732 | 9 | ✓ | | | | | |
| NC | Roxboro | 2712 | 1 | ✓ | | | | | |
| NC | Roxboro | 2712 | 2 | ✓ | | | | | |
| NC | Roxboro | 2712 | 3A,3B | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| NC | Roxboro | 2712 | 4A,4B | ✓ | ✓ | ✓ | ✓ | | ✓ |
| NE | Nebraska City Station | | 1 | ✓ | | | | | |
| NH | Merrimack | 2364 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| NH | Merrimack | 2364 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| NH | Newington | 8002 | 1 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| NH | Schiller | 2367 | 4 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| NH | Schiller | 2367 | 6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| NJ | B L England | 2378 | 2,3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| NJ | B L England | 2378 | 1 | ✓ | ✓ | | ✓ | | |
| NJ | Hudson Generating Station | 2403 | 2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| NJ | Mercer Generating Station | 2408 | 1 | ✓ | | | | | |
| NJ | Mercer Generating Station | 2408 | 2 | ✓ | | | | | |
| NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33%) | ✓ | ✓ | ✓ | ✓ | | ✓ |
| NY | CCI Roseton LLC | 8006 | 1 | | | | ✓ | | |
| NY | CCI Roseton LLC | 8006 | 2 | ✓ | | | | | |
| NY | Dynegy Danskammer | 2480 | 1,2,3 | ✓ | | | | | |
| NY | Huntley Power | 2549 | 67,68 | ✓ | | | | | |
| NY | Northport | 2516 | 3 | ✓ | | | | | |
| NY | Northport | 2516 | 1,2,4, ugt001 | ✓ | ✓ | | | | |
| NY | NRG Dunkirk Power | | 3 | ✓ | | | | | |

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| NY | Oswego Harbor Power | 2594 | 5 | ✓ | | | | | |
| NY | Oswego Harbor Power | 2594 | 6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| NY | Somerset Operating Company (Kintigh) | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | Avon Lake Power Plant | 2836 | 12 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | Cardinal | 2828 | 3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | Cardinal | 2828 | 1 | ✓ | | | | | |
| OH | Cardinal | 2828 | 2 | ✓ | | | | | |
| OH | Conesville | 2840 | 5,6 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | Conesville | 2840 | 4 | ✓ | | | | | |
| OH | Eastlake | 2837 | 1 | ✓ | | | | | |
| OH | Eastlake | 2837 | 2 | ✓ | | | | | |
| OH | Eastlake | 2837 | 3 | ✓ | | | | | |
| OH | Eastlake | 2837 | 4,6, (5) | ✓ | | | | | |
| OH | Eastlake | | 5 | ✓ | ✓ | | ✓ | | |
| OH | Gen J M Gavin | 8102 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | Gen J M Gavin | 8102 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | J M Stuart | 2850 | 4 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| OH | J M Stuart | 2850 | 1 | ✓ | | | | | |
| OH | J M Stuart | 2850 | 2 | ✓ | | | | | |
| OH | J M Stuart | 2850 | 3 | ✓ | | | | | |
| OH | Killen Station | 6031 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | Kyger Creek | 2876 | 1,2,3, 4,5 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | Miami Fort Generating Station | 2832 | 7 | ✓ | | | | | |
| OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | ✓ | | | | | |
| OH | Miami Fort Power Station | | 8 | ✓ | | | | | |
| OH | Muskingum River | 2872 | 5 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | Muskingum River | 2872 | 1,2,3, 4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | W H Sammis | 2866 | 5 | ✓ | | | | | |
| OH | W H Sammis | 2866 | 6 | ✓ | | | | | |
| OH | W H Sammis | 2866 | 7 | ✓ | | | | | |
| OH | W H Sammis | 2866 | 1,2 | ✓ | | | | | |
| OH | W H Sammis | 2866 | 3,4 | ✓ | | | | | |

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| OH | W H Zimmer Generating Station | 6019 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OH | Walter C Beckford Generating Station | | 6 | ✓ | ✓ | | ✓ | | |
| OH | Walter C Beckford Generating Station | | 5 (50%) | ✓ | ✓ | | ✓ | | |
| OK | Grand River Dam Authority | | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OK | Hugo | | 1 | ✓ | | | | | |
| OK | Muskogee | | 5 | ✓ | | | | | |
| OK | Muskogee | 2952 | 4 | ✓ | | | | | |
| OK | Northeastern | | 3313, 3314 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OK | Sooner | 6095 | 1 | ✓ | | | | | |
| OK | Sooner | | 2 | ✓ | | | | | |
| PA | Armstrong Power Station | | 1 | ✓ | ✓ | | | ✓ | ✓ |
| PA | Armstrong Power Station | | 2 | ✓ | ✓ | | | | ✓ |
| PA | Brunner Island | 3140 | 3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Brunner Island | 3140 | 1,2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Cheswick | 8226 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Hatfield's Ferry Power Station | 3179 | 3 | ✓ | | | | | |
| PA | Homer City | 3122 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Homer City | 3122 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Homer City | | 3 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| PA | Keystone | 3136 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Keystone | 3136 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Martins Creek | 3148 | 3,4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Montour | 3149 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Montour | 3149 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Portland | | 2 (1) | ✓ | ✓ | | ✓ | | |
| PA | Portland | | 3 (2) | ✓ | ✓ | | ✓ | ✓ | |
| PA | Shawville | 3131 | 1 | ✓ | | | | | |
| PA | Shawville | 3131 | 2 | ✓ | | | | | |
| PA | Shawville | 3131 | 3,4 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PA | Sunbury | | 3 | ✓ | ✓ | | ✓ | | |

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| PA | Sunbury | | 4 | ✓ | ✓ | | ✓ | | |
| PA | Sunbury | | 1A, 1B | ✓ | ✓ | | ✓ | | |
| SC | Canadys Steam | | CAN3 | ✓ | ✓ | | ✓ | | |
| SC | H B Robinson | | 1 | ✓ | ✓ | | ✓ | | |
| SC | Jefferies | 3319 | 3 | ✓ | ✓ | | ✓ | | |
| SC | Jefferies | 3319 | 4 | ✓ | ✓ | | ✓ | | |
| SC | McMeekin | | MCM 1 | ✓ | | | | | |
| SC | McMeekin | | MCM 2 | ✓ | | | | | |
| SC | Urquhart | | URQ3 | ✓ | | | | | |
| SC | Wateree | 3297 | WAT1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| SC | Wateree | 3297 | WAT2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| SC | Williams | 3298 | WIL1 | ✓ | | | | | |
| SC | Winyah | 6249 | 1 | ✓ | | | | | |
| SC | Winyah | 6249 | 2,3,4 | ✓ | | | | | |
| TN | Cumberland | 3399 | 1 | ✓ | | | | | |
| TN | Gallatin | 3403 | 1,2 | ✓ | | | | | |
| TN | Gallatin | 3403 | 3,4 | ✓ | | | | | |
| TN | John Sevier | 3405 | 1,2 | ✓ | ✓ | | ✓ | | |
| TN | John Sevier | 3405 | 3,4 | ✓ | ✓ | | ✓ | | |
| TN | Johnsonville | 3406 | 1 thru 10 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| TN | Kingston | 3407 | 1,2,3, 4,5 | ✓ | ✓ | ✓ | ✓ | | |
| TN | Kingston | 3407 | 6,7,8, 9 | ✓ | ✓ | ✓ | ✓ | | |
| TX | Big Brown | 3497 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| TX | Big Brown | 3497 | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| TX | H W Pirkey Power Plant | 7902 | 1 | ✓ | | | | | |
| TX | Limestone | 298 | LIM1 | ✓ | | | | | |
| TX | Limestone | 298 | LIM2 | ✓ | | | | | |
| TX | Martin Lake | 6146 | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| TX | Martin Lake | 6146 | 2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| TX | Martin Lake | 6146 | 3 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| TX | Monticello | 6147 | 1 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| TX | Monticello | 6147 | 2 | ✓ | | | | | |
| TX | Monticello | 6147 | 3 | ✓ | | | | | |
| TX | Welsh Power Plant | 6139 | 1 | ✓ | | | | | |
| TX | Welsh Power Plant | 6139 | 2 | ✓ | | | | | |

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| TX | Welsh Power Plant | 6139 | 3 | ✓ | | | | | |
| VA | Bremo Power Station | | 4 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| VA | Chesapeake Energy Center | | 1 | ✓ | ✓ | | ✓ | | |
| VA | Chesapeake Energy Center | | 2 | ✓ | ✓ | | ✓ | | |
| VA | Chesapeake Energy Center | | 3 | ✓ | ✓ | | ✓ | | |
| VA | Chesapeake Energy Center | | 4 | ✓ | ✓ | | ✓ | | |
| VA | Chesterfield Power Station | 3797 | 4 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| VA | Chesterfield Power Station | 3797 | 5 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| VA | Chesterfield Power Station | 3797 | 6 | ✓ | | | | | |
| VA | Chesterfield Power Station | 3797 | 3,7,8 A | ✓ | ✓ | | | ✓ | ✓ |
| VA | Clinch River | 3775 | 1,2 | ✓ | | | | | |
| VA | Yorktown Power Station | 3809 | 3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| VA | Yorktown Power Station | 3809 | 1,2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| WI | Columbia | | 1 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| WI | Columbia | | 2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| WI | Edgewater (4050) | 4050 | 5 | ✓ | | | | | |
| WI | Genoa | 4143 | 1 | ✓ | | | | | |
| WI | Nelson Dewey | 4054 | 2 | ✓ | | | | | |
| WI | South Oak Creek | | 7, 8 | ✓ | | | | | |
| WV | Albright Power Station | 3942 | 3 | ✓ | ✓ | | ✓ | | |
| WV | Fort Martin Power Station | 3943 | 1 | ✓ | | | | | ✓ |
| WV | Fort Martin Power Station | 3943 | 2 | ✓ | | | | | |
| WV | Harrison Power Station | | 1 (25%), 2 (20%) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| WV | John E Amos | 3935 | 3 | ✓ | | | | | |
| WV | John E Amos | 3935 | 1,2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| WV | Kammer | 3947 | 1,2,3 | ✓ | ✓ | ✓ | ✓ | | |
| WV | Kanawha River | 3936 | 1,2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| WV | Longview Power | 56671 | 1 | ✓ | | | | | |
| WV | Mitchell (WV) | 3948 | 1,2 | ✓ | ✓ | ✓ | ✓ | | ✓ |

| State | Facility Name | Facility /ORIS ID | Unit IDs | Phase I 2011 95th% 2002 Met | Phase III 2011 95th% 2011 Met | Phase V 2011 95th% 2015 Met | Phase VI 2015 95th% 2015 Met | Phase II 2011 Annual 2002 Met | Phase IV 2011 Annual 2011 Met |
|---|---|---|---|---|---|---|---|---|---|
| WV | Mount Storm Power Station | 3954 | 1,2 | ✓ | | | | | |
| WV | Mountaineer (1301) | 6264 | 1 | ✓ | | | | | |
| WV | Phil Sporn | 3938 | 11,21, 31,41 | ✓ | | | | | |
| WV | Pleasants Power Station | 6004 | 1 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| WV | Pleasants Power Station | 6004 | 2 | ✓ | ✓ | ✓ | ✓ | | ✓ |
| | | | | 308 | 163 | 132 | 159 | 81 | 127 |
| | | | | Runs Completed | | | | | |

**(Return to Section 3.3 Modeling Phases)**

# Appendix B

## B.1 EGU Source Parameters

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 34.744 | -87.849 | 183.5 | 141.3 | 7.9 | 27.7 | 425.4 |
| AL | E C Gaston | 26 | 1, 2 | D00026CAN | 33.244 | -86.457 | 228.6 | 130.7 | 10.1 | 12.1 | 407.6 |
| AL | E C Gaston | 26 | 3, 4 | D00026CBN | 33.244 | -86.457 | 228.6 | 130.7 | 10.1 | 18.0 | 399.8 |
| AL | E C Gaston | 26 | 5 | | 33.244 | -86.457 | 230.1 | 130.7 | 10.4 | 17.6 | 420.4 |
| AL | Greene County | 10 | 1 | | 32.602 | -87.781 | 152.4 | 32.7 | 7.3 | 16.1 | 413.7 |
| AR | Flint Creek Power Plant | 6138 | 1 | | 36.256 | -94.524 | 164.6 | 351.2 | 6.1 | 27.7 | 408.2 |
| AR | Independence | 6641 | 1 | D066411 | 35.673 | -91.408 | 304.8 | 72.8 | 7.6 | 27.4 | 433.7 |
| AR | Independence | 6641 | 2 | D066412 | 35.673 | -91.408 | 304.8 | 72.8 | 7.6 | 27.4 | 433.7 |
| AR | White Bluff | 6009 | 1 | D060091 | 34.424 | -92.139 | 304.8 | 94.6 | 7.6 | 27.4 | 433.7 |
| AR | White Bluff | 6009 | 2 | D060092 | 34.424 | -92.139 | 304.8 | 94.6 | 7.6 | 27.4 | 433.7 |
| CT | Bridgeport Harbor Station | 568 | BHB3 | | 41.168 | -73.185 | 151.8 | 3.0 | 4.3 | 38.8 | 416.5 |
| CT | Middletown | 562 | 4 | | 41.554 | -72.596 | 151.8 | 103.4 | 5.5 | 36.9 | 597.0 |
| CT | New Haven Harbor | 6156 | NHB1 | | 41.284 | -72.904 | 118.6 | 4.2 | 5.6 | 30.0 | 394.3 |
| DE | Edge Moor | 593 | 5 | D005935 | 39.737 | -75.503 | 83.8 | 1.4 | 6.4 | 23.0 | 430.4 |
| DE | Indian River | 594 | 4 | D005944 | 38.586 | -75.234 | 121.9 | 2.3 | 7.3 | 17.7 | 447.0 |
| GA | Bowen | 703 | 1BLR | D007031LR | 34.126 | -84.919 | 304.8 | 221.3 | 7.6 | 20.7 | 403.2 |
| GA | Bowen | 703 | 2BLR | D007032LR | 34.126 | -84.919 | 205.7 | 221.3 | 9.4 | 17.7 | 329.3 |
| GA | Bowen | 703 | 3BLR | D007033LR | 34.126 | -84.919 | 304.8 | 221.3 | 7.6 | 20.7 | 403.2 |
| GA | Bowen | 703 | 4BLR | D007034LR | 34.126 | -84.919 | 304.8 | 221.3 | 7.6 | 27.1 | 409.8 |
| GA | Harllee Branch | 709 | 1,2 | D00709C01 | 33.194 | -83.299 | 304.8 | 110.6 | 6.7 | 25.0 | 394.3 |
| GA | Harllee Branch | 709 | 3&4 | D00709C02 | 33.194 | -83.299 | 304.8 | 110.6 | 8.8 | 23.5 | 399.8 |
| GA | Jack McDonough | 710 | MB1, MB2 | D00710C01 | 33.824 | -84.475 | 254.8 | 236.9 | 7.3 | 22.9 | 405.4 |
| GA | Scherer | 6257 | 1 | D062571 | 33.058 | -83.807 | 304.8 | 142.6 | 8.2 | 23.2 | 409.8 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| GA | Scherer | 6257 | 2 | D062572 | 33.058 | -83.807 | 304.8 | 142.6 | 8.2 | 23.2 | 409.8 |
| GA | Scherer | 6257 | 4 | D062574 | 33.058 | -83.807 | 304.8 | 142.6 | 8.2 | 24.1 | 400.9 |
| GA | Yates | 728 | Y5BR | D00728Y5R | 33.462 | -84.899 | 253.0 | 229.6 | 4.3 | 31.1 | 413.7 |
| GA | Yates | 728 | Y6BR | D00728Y6R | 33.462 | -84.899 | 245.4 | 229.6 | 4.9 | 25.6 | 410.4 |
| GA | Yates | 889 | Y7BR | D00728Y7R | 33.462 | -84.899 | 245.4 | 229.6 | 4.9 | 25.6 | 410.4 |
| IA | George Neal North | 1091 | 3 | D010913 | 42.300 | -96.363 | 121.9 | 326.4 | 6.1 | 28.3 | 355.4 |
| IA | George Neal South | 1091 | 4 | D073434 | 42.302 | -96.362 | 143.0 | 327.3 | 7.6 | 27.1 | 355.4 |
| IA | Louisa | 6664 | 101 | D06664101 | 41.315 | -91.094 | 185.9 | 175.2 | 9.1 | 25.8 | 355.4 |
| IA | Ottumwa | 887 | 1 | D062541 | 41.096 | -92.556 | 182.9 | 209.1 | 7.6 | 36.0 | 422.0 |
| IA | Walter Scott Jr. Energy Center | 1082 | 3 | D010823 | 41.180 | -95.841 | 167.6 | 298.9 | 7.6 | 29.0 | 355.4 |
| IL | Baldwin Energy Complex | 876 | 1,2 | D008892 | 38.211 | -89.847 | 184.4 | 134.8 | 5.8 | 26.8 | 423.7 |
| IL | Joliet 29 | 384 | 81, 82 | D00384C82 | 41.495 | -88.125 | 167.3 | 156.8 | 5.2 | 26.8 | 422.0 |
| IL | Joppa Steam | 887 | 1, 2 | D00887CS1 | 37.210 | -88.861 | 167.6 | 105.2 | 5.5 | 25.9 | 427.6 |
| IL | Joppa Steam | 887 | 3, 4 | D00887CS2 | 37.210 | -88.861 | 167.6 | 105.2 | 5.5 | 25.9 | 427.6 |
| IL | Kincaid Generating Station | 876 | 1, 2 | D00876C02 | 39.591 | -89.496 | 186.8 | 183.2 | 8.8 | 26.8 | 415.4 |
| IL | Marion | 976 | 4 | D009764 | 37.621 | -88.955 | 121.9 | 156.6 | 4.6 | 15.2 | 324.8 |
| IL | Newton | 6017 | 1 | D060171 | 38.936 | -88.278 | 152.1 | 167.7 | 9.1 | 12.3 | 332.0 |
| IL | Newton | 6017 | 2 | D060172 | 38.936 | -88.278 | 152.1 | 167.7 | 9.1 | 12.3 | 332.0 |
| IL | Powerton | 879 | 51,52,61, 62 | D00879C06 | 40.541 | -89.679 | 150.6 | 142.7 | 10.4 | 10.0 | 426.5 |
| IL | Wood River Power Station | 898 | 5 | D008985 | 38.886 | -90.135 | 106.7 | 134.8 | 4.6 | 19.8 | 435.9 |
| IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 37.915 | -87.333 | 152.4 | 119.7 | 5.8 | 17.0 | 325.9 |
| IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 37.915 | -87.333 | 152.4 | 119.7 | 5.8 | 17.0 | 325.9 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 37.915 | -87.333 | 152.4 | 119.7 | 5.8 | 17.0 | 325.9 |
| IN | Cayuga | 1001 | 1 | D010011 | 39.924 | -87.427 | 152.4 | 224.2 | 5.8 | 27.4 | 416.5 |
| IN | Cayuga | 1001 | 2 | D010012 | 39.924 | -87.427 | 152.4 | 224.2 | 5.8 | 27.4 | 416.5 |
| IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 38.738 | -85.419 | 299.6 | 141.5 | 6.7 | 33.5 | 449.8 |
| IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 38.738 | -85.419 | 299.6 | 141.5 | 6.7 | 33.5 | 449.8 |
| IN | Gibson | 6113 | 5 | D061135 | 38.372 | -87.766 | 152.4 | 125.9 | 7.0 | 21.3 | 335.9 |
| IN | Gibson | 6113 | 1,2,3 | D06113C03 | 38.372 | -87.766 | 152.4 | 125.9 | 9.8 | 29.0 | 415.4 |
| IN | Gibson | 6113 | 4 | D061135 | 38.372 | -87.766 | 152.4 | 125.9 | 7.0 | 21.3 | 335.9 |
| IN | IPL - Eagle Valley Generating Station | 991 | 5, 6 | D00991C56 | 39.485 | -86.418 | 86.0 | 187.8 | 4.6 | 13.1 | 453.7 |
| IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 39.712 | -86.198 | 172.2 | 208.1 | 6.1 | 14.3 | 329.3 |
| IN | IPL - Harding Street Station (EW Stout) | 990 | 50 | D0099050 | 39.712 | -86.198 | 79.6 | 208.1 | 1.8 | 65.8 | 440.9 |
| IN | IPL - Harding Street Station (EW Stout) | 990 | 60 | D0099060 | 39.712 | -86.198 | 79.6 | 208.1 | 1.8 | 63.5 | 449.8 |
| IN | IPL - Petersburg Generating Station | 994 | 3 | D009943 | 38.527 | -87.253 | 190.5 | 132.7 | 6.7 | 26.3 | 342.6 |
| IN | IPL - Petersburg Generating Station | 994 | 4 | D009944 | 38.527 | -87.253 | 189.9 | 132.7 | 6.7 | 25.8 | 342.0 |
| IN | IPL - Petersburg Generating Station | 994 | 1 (50%) | D00994M1B | 38.527 | -87.253 | 168.2 | 132.7 | 8.8 | 4.9 | 416.5 |
| IN | IPL - Petersburg Generating Station | 994 | 2(50%) | D00994M2B | 38.527 | -87.253 | 189.3 | 132.7 | 6.1 | 23.9 | 324.3 |
| IN | Merom | 6213 | 2SG1 | D062132G1 | 39.069 | -87.511 | 214.6 | 148.9 | 5.8 | 31.4 | 327.6 |
| IN | Michigan City Generating Station | 997 | 12 | D0099712 | 41.720 | -86.910 | 153.9 | 184.4 | 6.4 | 28.6 | 439.8 |
| IN | R Gallagher | 1008 | 1,2 | D01008C01 | 38.264 | -85.838 | 167.6 | 124.7 | 3.7 | 50.4 | 413.7 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| IN | R Gallagher | 1008 | 3,4 | D01008C02 | 38.264 | -85.838 | 167.6 | 124.7 | 3.7 | 50.4 | 413.7 |
| IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 37.926 | -87.037 | 316.4 | 121.9 | 12.8 | 33.6 | 429.8 |
| IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 39.083 | -84.858 | 122.8 | 149.3 | 7.0 | 16.5 | 420.4 |
| IN | Tanners Creek | 988 | U4 | D00988U4 | 39.083 | -84.858 | 122.8 | 149.3 | 7.1 | 14.9 | 422.0 |
| IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 39.530 | -87.425 | 137.2 | 155.6 | 7.6 | 34.1 | 410.9 |
| IN | Whitewater Valley | 1040 | 1, 2 | D01040C12 | 39.803 | -84.895 | 99.1 | 302.6 | 3.4 | 6.7 | 438.7 |
| IN | R M Schahfer Generating Station | 6085 | 14 | D0608514 | 41.218 | -87.024 | 152.4 | 203.0 | 6.4 | 27.6 | 425.9 |
| IN | R M Schahfer Generating Station | 6085 | 15 | D0608515 | 41.218 | -87.024 | 152.4 | 203.0 | 6.4 | 7.8 | 416.5 |
| KS | La Cygne | 1241 | 1 | | 38.347 | -94.647 | 213.4 | 257.7 | 7.0 | 28.3 | 325.9 |
| KS | La Cygne | 1241 | 2 | D012412 | 38.347 | -94.647 | 213.4 | 257.7 | 7.3 | 30.8 | 411.5 |
| KS | Nearman Creek | 6064 | N1 | | 39.171 | -94.697 | 121.9 | 229.4 | 7.0 | 13.4 | 424.8 |
| KS | Quindaro | 1295 | 2 | | 39.150 | -94.640 | 106.7 | 230.1 | 4.0 | 25.3 | 436.5 |
| KS | Tecumseh Energy Center | 1252 | 10 | | 39.054 | -95.569 | 64.3 | 267.5 | 3.4 | 25.6 | 409.8 |
| KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 38.172 | -82.618 | 251.8 | 172.4 | 8.5 | 29.9 | 430.9 |
| KY | D B Wilson | 6823 | W1 | D06823W1 | 37.450 | -87.080 | 182.9 | 118.1 | 10.4 | 7.6 | 325.9 |
| KY | E W Brown | 1355 | 2,3 | D01355C03 | 37.789 | -84.714 | 171.0 | 273.3 | 7.9 | 23.8 | 327.0 |
| KY | East Bend | 6018 | 2 | D060182 | 38.903 | -84.851 | 198.1 | 152.5 | 7.0 | 34.0 | 338.2 |
| KY | Ghent | 1356 | 1,2 … (1,4) | D01356C01 | 38.750 | -85.035 | 201.8 | 148.7 | 11.3 | 7.0 | 324.8 |
| KY | Ghent | 1356 | 3,4 … (2,3) | D01356C02 | 38.750 | -85.035 | 177.1 | 148.7 | 9.1 | 14.5 | 422.0 |
| KY | Green River | 1357 | 4 | D013574 | 37.364 | -87.121 | 60.0 | 125.4 | 3.4 | 18.9 | 422.0 |
| KY | Green River | 1357 | 5 | D013575 | 37.364 | -87.121 | 75.3 | 125.4 | 3.0 | 28.4 | 422.0 |
| KY | H L Spurlock | 6041 | 1 | D060411 | 38.700 | -83.818 | 245.4 | 163.8 | 4.6 | 32.6 | 424.3 |
| KY | H L Spurlock | 6041 | 2 | D060412 | 38.700 | -83.818 | 245.4 | 163.8 | 4.6 | 32.6 | 424.3 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 37.000 | -84.592 | 79.2 | 253.9 | 5.2 | 8.4 | 433.2 |
| KY | Mill Creek | 1364 | 4 | D013644 | 38.053 | -85.910 | 182.9 | 139.5 | 5.8 | 23.6 | 322.6 |
| KY | Mill Creek | 1364 | 1,2,3 | x05 | 38.053 | -85.910 | 182.9 | 139.5 | 5.5 | 20.2 | 327.0 |
| KY | Paradise | 1378 | 1 | D01720C09 | 37.261 | -86.978 | 182.9 | 128.7 | 7.9 | 22.1 | 324.8 |
| KY | Paradise | 1378 | 2 | D013782 | 37.261 | -86.978 | 182.9 | 128.7 | 7.9 | 22.1 | 324.8 |
| KY | Paradise | 1378 | 3 | D013783 | 37.261 | -86.978 | 182.9 | 128.7 | 11.3 | 15.4 | 328.7 |
| KY | Shawnee | 1379 | 1,2,3,4,5 | D01379C15 | 37.152 | -88.775 | 242.9 | 106.5 | 8.2 | 25.2 | 425.9 |
| KY | Shawnee | 1379 | 6,7,8,9,10 | D01379C60 | 37.152 | -88.775 | 242.9 | 106.5 | 8.2 | 25.2 | 425.9 |
| MA | Brayton Point | 1619 | 1 | D016191 | 41.713 | -71.191 | 107.3 | 4.1 | 4.4 | 25.0 | 398.2 |
| MA | Brayton Point | 1619 | 2 | D016192 | 41.713 | -71.191 | 107.3 | 4.1 | 4.4 | 26.5 | 407.0 |
| MA | Brayton Point | 1619 | 3 | D016193 | 41.713 | -71.191 | 107.3 | 4.1 | 5.9 | 35.4 | 402.0 |
| MA | Brayton Point | 1619 | 4 | x07 | 41.713 | -71.191 | 152.4 | 4.1 | 5.6 | 33.5 | 469.3 |
| MA | Canal Station | 1599 | 1 | D015991 | 41.769 | -70.510 | 151.8 | 2.6 | 5.5 | 22.3 | 428.7 |
| MA | Canal Station | 1599 | 2 | D015992 | 41.769 | -70.510 | 151.8 | 2.6 | 5.5 | 28.3 | 458.2 |
| MA | Salem Harbor Station | 1626 | 3 | D016263 | 42.527 | -70.879 | 132.9 | 2.6 | 3.8 | 20.6 | 392.0 |
| MA | Salem Harbor Station | 1626 | 1 | | 42.527 | -70.879 | 132.9 | 2.6 | 2.7 | 25.3 | 410.4 |
| MD | Brandon Shores | 602 | 1 | D006021 | 39.179 | -76.538 | 121.9 | 10.2 | 9.6 | 17.1 | 325.4 |
| MD | Brandon Shores | 602 | 2 | D006022 | 39.179 | -76.538 | 121.9 | 10.2 | 9.6 | 17.1 | 325.4 |
| MD | C P Crane | 1552 | 1 | D015521 | 39.327 | -76.365 | 107.6 | 2.3 | 5.5 | 20.8 | 424.3 |
| MD | C P Crane | 1552 | 2 | D015522 | 39.327 | -76.365 | 107.6 | 2.3 | 5.5 | 20.8 | 424.3 |
| MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 38.544 | -76.686 | 216.1 | 5.9 | 9.6 | 17.1 | 415.9 |
| MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 39.327 | -77.464 | 214.3 | 85.8 | 7.6 | 18.6 | 355.9 |
| MD | Herbert A Wagner | 1554 | 3 | D015543 | 39.178 | -76.527 | 105.5 | 3.2 | 4.1 | 32.6 | 430.4 |
| MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 39.178 | -76.527 | 87.5 | 3.2 | 3.1 | 30.5 | 438.7 |
| MD | Morgantown | 1573 | 1 | D015731 | 38.359 | -76.977 | 213.4 | 4.3 | 5.9 | 30.5 | 405.4 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| MD | Morgantown | 1573 | 2 | D015732 | 38.359 | -76.977 | 213.4 | 4.3 | 5.9 | 30.5 | 405.4 |
| ME | William F Wyman | 1507 | 1 | | 43.750 | -70.157 | 97.5 | 5.3 | 2.3 | 49.7 | 449.8 |
| ME | William F Wyman | 1507 | 2 | | 43.750 | -70.157 | 97.5 | 5.3 | 2.3 | 49.7 | 449.8 |
| ME | William F Wyman | 1507 | 3 | | 43.750 | -70.157 | 97.5 | 5.3 | 2.3 | 49.7 | 449.8 |
| ME | William F Wyman | 1507 | 4 | D015074 | 43.750 | -70.157 | 128.3 | 5.3 | 7.5 | 22.7 | 489.2 |
| MI | Belle River | 6034 | 1 | D060341 | 42.775 | -82.495 | 202.7 | 179.7 | 7.6 | 27.5 | 416.5 |
| MI | Belle River | 6034 | 2 | D060342 | 42.775 | -82.495 | 202.7 | 179.7 | 7.6 | 27.5 | 416.5 |
| MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 43.643 | -83.843 | 106.7 | 178.6 | 5.5 | 19.4 | 426.5 |
| MI | | 1720 | 7, 8 | D01720C09 | 43.643 | -83.843 | 151.8 | 178.6 | 5.2 | 22.2 | 421.5 |
| MI | J H Campbell | 1710 | A,B,1,2 | D01710C09 | 42.910 | -86.204 | 121.9 | 181.8 | 5.8 | 38.7 | 409.8 |
| MI | J H Campbell | 1710 | 3 (50%) | D01710M3A | 42.910 | -86.204 | 195.7 | 181.8 | 8.2 | 25.2 | 421.5 |
| MI | Monroe | 1733 | 1,2 | D01733C12 | 41.892 | -83.346 | 213.4 | 177.2 | 8.5 | 39.0 | 405.4 |
| MI | Monroe | 1733 | 3,4 | D01733C34 | 41.892 | -83.346 | 213.4 | 177.2 | 8.5 | 39.0 | 405.4 |
| MI | River Rouge | 1740 | 3 | D017403 | 42.273 | -83.113 | 129.5 | 176.8 | 3.7 | 48.7 | 433.2 |
| MI | St. Clair | 1743 | 6 | D017436 | 42.763 | -82.472 | 129.5 | 177.5 | 4.0 | 39.9 | 422.0 |
| MI | St. Clair | 1743 | 7 | D017437 | 42.763 | -82.472 | 182.6 | 177.5 | 4.0 | 27.4 | 438.7 |
| MI | St. Clair | 1743 | 1,2,3,4 | x09 | 42.763 | -82.472 | 182.6 | 177.5 | 4.9 | 44.5 | 425.9 |
| MI | Trenton Channel | 1745 | 16,17,18, 19 | x10 | 42.124 | -83.181 | 170.4 | 201.3 | 4.4 | 42.7 | 433.2 |
| MI | Trenton Channel | 1745 | 9A | D017459A | 42.124 | -83.181 | 171.6 | 201.3 | 4.9 | 42.7 | 410.9 |
| MN | Black Dog | 1904 | 3, 4 | D01904CS1 | 44.811 | -93.250 | 182.9 | 217.9 | 6.7 | 28.9 | 448.2 |
| MN | Sherburne County | 6090 | 3 | D060903 | 45.379 | -93.896 | 198.1 | 295.1 | 7.9 | 30.6 | 347.0 |
| MN | Sherburne County | 6090 | 1, 2 | D06090CS1 | 45.379 | -93.896 | 198.1 | 295.1 | 9.8 | 32.8 | 350.4 |
| MO | Labadie | 2103 | 1 | D021031 | 38.558 | -90.836 | 213.4 | 149.8 | 6.1 | 28.0 | 444.3 |
| MO | Labadie | 2103 | 3 | D021033 | 38.558 | -90.836 | 213.4 | 149.8 | 6.1 | 26.1 | 414.8 |
| MO | Labadie | 2103 | 4 | D021034 | 38.558 | -90.836 | 213.4 | 149.8 | 6.1 | 26.4 | 422.6 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| MO | Meramec | 2104 | 3 | D021043 | 38.402 | -90.336 | 106.7 | 127.1 | 4.9 | 33.2 | 463.2 |
| MO | New Madrid Power Plant | 2167 | 1 | D021671 | 36.515 | -89.562 | 243.8 | 90.2 | 6.1 | 20.8 | 434.8 |
| MO | New Madrid Power Plant | 2167 | 2 | D021672 | 36.515 | -89.562 | 243.8 | 90.2 | 6.1 | 23.6 | 429.8 |
| MO | Rush Island | 6155 | 1 | D061551 | 38.131 | -90.263 | 213.4 | 124.7 | 6.1 | 25.0 | 405.4 |
| MO | Rush Island | 6155 | 2 | D061552 | 38.131 | -90.263 | 213.4 | 124.7 | 8.8 | 25.0 | 405.4 |
| MO | Sibley | 2094 | 1, 2, 3 | D02094C01 | 39.178 | -94.186 | 212.1 | 219.6 | 4.0 | 31.9 | 408.2 |
| MO | Sikeston | 6768 | 1 | D067681 | 36.879 | -89.621 | 137.2 | 94.4 | 4.6 | 1.6 | 410.9 |
| MO | Thomas Hill Energy Center | 2168 | MB3 | D02168MB3 | 39.553 | -92.639 | 189.6 | 94.4 | 9.1 | 17.8 | 420.9 |
| NC | Belews Creek | 8042 | 1 | D080421 | 36.283 | -80.059 | 152.4 | 228.2 | 11.1 | 16.8 | 322.0 |
| NC | Belews Creek | 8042 | 2 | D080422 | 36.283 | -80.059 | 152.4 | 228.2 | 11.1 | 16.8 | 322.0 |
| NC | Cape Fear | 2708 | 6 | | 35.595 | -79.049 | 61.3 | 52.8 | 4.6 | 17.7 | 397.0 |
| NC | Cliffside | 2721 | 5 | D027215 | 35.216 | -81.762 | 175.3 | 232.5 | 7.6 | 17.1 | 320.9 |
| NC | H F Lee Steam Electric Plant | 2709 | 3 | D027093 | 35.378 | -78.088 | 91.4 | 24.6 | 5.8 | 40.6 | 421.5 |
| NC | L V Sutton | 2713 | 3 | D027133 | 34.282 | -77.986 | 167.9 | 3.1 | 5.0 | 35.7 | 420.4 |
| NC | L V Sutton | 2713 | 1, 2 | D02713C02 | 34.282 | -77.986 | 167.9 | 3.1 | 5.5 | 20.8 | 415.4 |
| NC | Marshall | 2727 | 3 | D027273 | 35.598 | -80.961 | 96.0 | 258.4 | 9.0 | 16.8 | 322.0 |
| NC | Marshall | 2727 | 4 | D027274 | 35.598 | -80.961 | 96.0 | 258.4 | 9.0 | 16.8 | 322.0 |
| NC | Marshall | 2727 | 1,2 | x11 | 35.598 | -80.961 | 96.0 | 258.4 | 9.0 | 16.8 | 322.0 |
| NC | Mayo | 6250 | 1A,1B | D06250C05 | 36.528 | -78.892 | 115.8 | 162.1 | 9.3 | 16.3 | 324.8 |
| NC | Riverbend | 2732 | 9 | | 35.360 | -80.974 | 99.7 | 203.9 | 2.7 | 24.4 | 435.4 |
| NC | Roxboro | 2712 | 1 | D027121 | 36.484 | -79.071 | 121.9 | 131.7 | 6.7 | 14.2 | 325.4 |
| NC | Roxboro | 2712 | 2 | D027122 | 36.484 | -79.071 | 121.9 | 131.7 | 8.7 | 15.3 | 325.4 |
| NC | Roxboro | 2712 | 3A,3B | D02712C03 | 36.484 | -79.071 | 121.9 | 131.7 | 9.3 | 14.3 | 325.9 |
| NC | Roxboro | 2712 | 4A,4B | D02712C04 | 36.484 | -79.071 | 121.9 | 131.7 | 9.3 | 14.3 | 325.9 |
| NE | Nebraska City Station | 6096 | 1 | D060961 | 40.622 | -95.777 | 213.4 | 281.3 | 7.0 | 0.5 | 422.0 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| NH | Merrimack | 2364 | 1 | D023641 | 43.141 | -71.469 | 135.6 | 62.3 | 6.6 | 19.1 | 328.2 |
| NH | Merrimack | 2364 | 2 | D023642 | 43.141 | -71.469 | 135.6 | 62.3 | 6.6 | 19.1 | 328.2 |
| NH | Newington | 8002 | 1 | D080021 | 43.100 | -70.791 | 125.0 | 8.1 | 6.3 | 25.8 | 533.2 |
| NH | Schiller | 2367 | 4 | | 43.098 | -70.784 | 68.9 | 7.2 | 2.4 | 21.5 | 449.8 |
| NH | Schiller | 2367 | 6 | | 43.098 | -70.784 | 68.9 | 7.2 | 2.4 | 21.5 | 449.8 |
| NJ | B L England | 2378 | 2,3 | x12 | 39.290 | -74.634 | 144.8 | 2.9 | 4.6 | 21.0 | 416.5 |
| NJ | B L England | 2378 | 1 | | 39.290 | -74.634 | 144.8 | 2.9 | 4.6 | 21.0 | 416.5 |
| NJ | Hudson Generating Station | 2403 | 2 | D024032 | 40.748 | -74.072 | 151.8 | 2.0 | 5.3 | 50.7 | 399.8 |
| NJ | Mercer Generating Station | 2408 | 1 | D024081 | 40.180 | -74.733 | 99.4 | 4.9 | 5.3 | 27.5 | 422.0 |
| NJ | Mercer Generating Station | 2408 | 2 | D024082 | 40.180 | -74.733 | 99.4 | 4.9 | 5.3 | 27.5 | 422.0 |
| NY | Cayuga Operating Company, LLC | 2535 | 1 (33%), 2 (33%) | D02535C01 | 42.603 | -76.634 | 114.0 | 137.1 | 0.7 | 19.8 | 358.7 |
| NY | CCI Roseton LLC | 8006 | 1 | D080061 | 41.571 | -73.974 | 79.2 | 14.9 | 7.0 | 18.3 | 402.6 |
| NY | CCI Roseton LLC | 8006 | 2 | D080062 | 41.571 | -73.974 | 79.2 | 14.9 | 7.0 | 18.3 | 402.6 |
| NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 41.574 | -73.975 | 73.2 | 15.9 | 2.9 | 27.4 | 423.2 |
| NY | Huntley Power | 2549 | 67,68 | D02549C01 | 42.970 | -78.930 | 106.7 | 200.5 | 6.2 | 11.8 | 358.7 |
| NY | Northport | 2516 | 3 | D025163 | 40.923 | -73.342 | 182.9 | 1.1 | 5.1 | 25.6 | 435.9 |
| NY | Northport | 2516 | 1,2,4,ugt 001 | x14 | 40.923 | -73.342 | 182.9 | 1.1 | 5.1 | 25.6 | 435.9 |
| NY | NRG Dunkirk Power | 2554 | 3 | D02554C03 | 42.490 | -79.350 | 94.5 | 176.1 | 0.7 | 19.8 | 358.7 |
| NY | Oswego Harbor Power | 2594 | 5 | D025945 | 43.460 | -76.530 | 213.4 | 76.3 | 0.7 | 18.0 | 358.7 |
| NY | Oswego Harbor Power | 2594 | 6 | x15 | 43.460 | -76.530 | 213.4 | 76.3 | 0.7 | 18.0 | 358.7 |
| NY | Somerset Operating Company (Kintigh) | 6082 | 1 | D060821 | 43.356 | -78.604 | 186.5 | 89.8 | 0.7 | 19.8 | 358.7 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 41.504 | -82.050 | 182.9 | 182.8 | 7.3 | 15.6 | 427.6 |
| OH | Cardinal | 2828 | 3 | D028283 | 40.252 | -80.649 | 274.3 | 204.3 | 7.3 | 29.2 | 323.2 |
| OH | Cardinal | 2828 | 1 | D028281 | 40.252 | -80.649 | 304.8 | 204.3 | 8.8 | 15.3 | 327.6 |
| OH | Cardinal | 2828 | 2 | D028282 | 40.252 | -80.649 | 304.8 | 204.3 | 8.8 | 15.3 | 327.6 |
| OH | Conesville | 2840 | 5,6 | D02840C06 | 40.184 | -81.881 | 243.8 | 226.6 | 7.9 | 23.9 | 324.8 |
| OH | Conesville | 2840 | 4 | D028504 | 40.184 | -81.881 | 243.8 | 226.6 | 9.8 | 16.7 | 327.6 |
| OH | Eastlake | 2837 | 1 | D028371 | 41.671 | -81.443 | 164.6 | 186.3 | 3.7 | 11.5 | 399.8 |
| OH | Eastlake | 2837 | 2 | D028372 | 41.671 | -81.443 | 164.6 | 186.3 | 3.7 | 11.5 | 399.8 |
| OH | Eastlake | 2837 | 3 | D028373 | 41.671 | -81.443 | 164.6 | 186.3 | 3.7 | 11.5 | 399.8 |
| OH | Eastlake | 2837 | 4,6 | x17 | 41.671 | -81.443 | 164.6 | 186.3 | 4.9 | 11.5 | 399.8 |
| OH | Eastlake | 2837 | 5 | D028375 | 41.671 | -81.443 | 164.6 | 186.3 | 4.9 | 11.5 | 399.8 |
| OH | Gen J M Gavin | 8102 | 1 | D081021 | 38.935 | -82.116 | 253.0 | 174.3 | 12.8 | 15.2 | 323.2 |
| OH | Gen J M Gavin | 8102 | 2 | D081022 | 38.935 | -82.116 | 253.0 | 174.3 | 12.8 | 15.2 | 323.2 |
| OH | J M Stuart | 2850 | 4 | D028404 | 38.636 | -83.694 | 243.8 | 161.9 | 7.9 | 19.1 | 325.9 |
| OH | J M Stuart | 2850 | 1 | D028501 | 38.636 | -83.694 | 243.8 | 161.9 | 7.9 | 19.1 | 325.9 |
| OH | J M Stuart | 2850 | 2 | D028502 | 38.636 | -83.694 | 243.8 | 161.9 | 7.9 | 19.1 | 325.9 |
| OH | J M Stuart | 2850 | 3 | D028503 | 38.636 | -83.694 | 243.8 | 161.9 | 7.9 | 19.1 | 325.9 |
| OH | Killen Station | 6031 | 2 | D060312 | 38.690 | -83.480 | 274.3 | 162.2 | 8.8 | 16.8 | 322.6 |
| OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 38.916 | -82.128 | 304.8 | 176.0 | 8.8 | 34.3 | 449.8 |
| OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 39.113 | -84.803 | 243.8 | 149.4 | 7.0 | 21.7 | 327.6 |
| OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 39.113 | -84.803 | 179.8 | 149.4 | 5.2 | 16.3 | 398.7 |
| OH | Miami Fort Power Station | 2832 | 8 | D028328 | 39.113 | -84.803 | 243.8 | 149.4 | 7.0 | 21.7 | 327.6 |
| OH | Muskingum River | 2872 | 5 | D028725 | 39.591 | -81.680 | 252.4 | 195.9 | 6.7 | 28.1 | 430.4 |
| OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 39.591 | -81.680 | 252.4 | 195.9 | 7.6 | 34.5 | 430.4 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| OH | W H Sammis | 2866 | 5 | D028665 | 40.531 | -80.631 | 259.1 | 210.5 | 16.8 | 12.9 | 319.8 |
| OH | W H Sammis | 2866 | 6 | D02866M6A | 40.531 | -80.631 | 259.1 | 210.5 | 16.8 | 12.9 | 319.8 |
| OH | W H Sammis | 2866 | 7 | D028667 | 40.531 | -80.631 | 259.1 | 210.5 | 16.8 | 12.9 | 319.8 |
| OH | W H Sammis | 2866 | 1,2 | D02866C01 | 40.531 | -80.631 | 259.1 | 210.5 | 16.8 | 12.9 | 319.8 |
| OH | W H Sammis | 2866 | 3,4 | D02866C02 | 40.531 | -80.631 | 259.1 | 210.5 | 16.8 | 12.9 | 319.8 |
| OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 38.869 | -84.229 | 174.7 | 155.5 | 12.8 | 14.3 | 327.6 |
| OH | Walter C Beckjord Generating Station | 2830 | 6 | D028306 | 38.992 | -84.298 | 137.2 | 142.2 | 5.8 | 39.9 | 422.0 |
| OH | Walter C Beckjord Generating Station | 2830 | 5 (50%) | D02830M51 | 38.992 | -84.298 | 137.2 | 142.2 | 5.8 | 39.9 | 422.0 |
| OK | Grand River Dam Authority | 165 | 1 | D001651 | 36.191 | -95.289 | 153.9 | 190.1 | 6.1 | 32.3 | 425.4 |
| OK | Hugo | 6772 | 1 | D067721 | 34.016 | -95.321 | 152.4 | 146.7 | 7.9 | 14.4 | 399.8 |
| OK | Muskogee | 2952 | 5 | D029525 | 35.762 | -95.285 | 106.7 | 154.2 | 7.3 | 17.1 | 402.0 |
| OK | Muskogee | 2952 | 4 | | 35.762 | -95.285 | 106.7 | 154.2 | 7.3 | 17.1 | 402.0 |
| OK | Northeastern | 2963 | 3313, 3314 | D02963C10 | 36.432 | -95.701 | 182.9 | 196.2 | 8.2 | 13.8 | 419.3 |
| OK | Sooner | 6095 | 1 | | 36.454 | -97.053 | 152.4 | 283.4 | 6.1 | 32.3 | 402.0 |
| OK | Sooner | 6095 | 2 | D060952 | 36.454 | -97.053 | 152.4 | 283.4 | 6.1 | 32.3 | 402.0 |
| PA | Armstrong Power Station | 3178 | 1 | D031781 | 40.929 | -79.466 | 307.2 | 253.9 | 4.5 | 22.5 | 446.5 |
| PA | Armstrong Power Station | 3178 | 2 | D031782 | 40.929 | -79.466 | 307.2 | 253.9 | 4.5 | 22.5 | 446.5 |
| PA | Brunner Island | 3140 | 3 | D031403 | 40.097 | -76.696 | 182.9 | 91.0 | 6.0 | 44.1 | 427.6 |
| PA | Brunner Island | 3140 | 1,2 | D03140C12 | 40.097 | -76.696 | 137.2 | 91.0 | 6.0 | 47.3 | 327.6 |
| PA | Cheswick | 8226 | 1 | D082261 | 40.538 | -79.791 | 168.6 | 230.4 | 8.2 | 16.1 | 319.8 |
| PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 39.856 | -79.927 | 213.4 | 247.0 | 6.9 | 41.9 | 427.6 |
| PA | Homer City | 3122 | 1 | D031221 | 40.511 | -79.197 | 243.8 | 365.0 | 7.3 | 26.0 | 427.6 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| PA | Homer City | 3122 | 2 | D031222 | 40.511 | -79.197 | 243.8 | 365.0 | 7.3 | 26.0 | 427.6 |
| PA | Homer City | 3122 | 3 | D031223 | 40.511 | -79.197 | 260.3 | 362.5 | 8.2 | 19.1 | 324.8 |
| PA | Keystone | 3136 | 1 | D031361 | 40.660 | -79.341 | 243.8 | 308.1 | 8.3 | 29.1 | 422.6 |
| PA | Keystone | 3136 | 2 | D031362 | 40.660 | -79.341 | 243.8 | 308.1 | 8.3 | 29.1 | 422.6 |
| PA | Martins Creek | 3148 | 3,4 | x21 | 40.796 | -75.107 | 182.9 | 73.6 | 6.9 | 36.5 | 422.0 |
| PA | Montour | 3149 | 1 | D031491 | 41.071 | -76.667 | 182.9 | 160.3 | 6.1 | 25.0 | 416.5 |
| PA | Montour | 3149 | 2 | D031492 | 41.071 | -76.667 | 182.9 | 160.3 | 6.1 | 25.0 | 416.5 |
| PA | Portland | 3113 | 2 (1) | d031131 | 40.910 | -75.079 | 121.3 | 90.9 | 3.1 | 33.6 | 417.0 |
| PA | Portland | 3113 | 3 (2) | d031132 | 40.910 | -75.079 | 121.9 | 90.9 | 3.8 | 28.8 | 418.2 |
| PA | Shawville | 3131 | 1 | D031311 | 41.067 | -78.366 | 182.9 | 322.9 | 3.8 | 54.7 | 414.3 |
| PA | Shawville | 3131 | 2 | D031312 | 41.067 | -78.366 | 182.9 | 322.9 | 3.8 | 54.7 | 414.3 |
| PA | Shawville | 3131 | 3,4 | D03131CS1 | 41.067 | -78.366 | 260.3 | 322.9 | 5.8 | 28.1 | 390.4 |
| PA | Sunbury | 3152 | 3 | D031523 | 40.836 | -76.825 | 91.4 | 134.1 | 4.6 | 12.8 | 419.3 |
| PA | Sunbury | 3152 | 4 | D031524 | 40.836 | -76.825 | 91.4 | 134.1 | 4.6 | 18.6 | 422.0 |
| PA | Sunbury | 3152 | 1A, 1B | D03152CS1 | 40.836 | -76.825 | 91.4 | 134.1 | 4.6 | 13.5 | 435.9 |
| SC | Canadys Steam | 3280 | CAN3 | D03280CN3 | 33.065 | -80.623 | 61.0 | 24.4 | 4.9 | 19.9 | 413.7 |
| SC | H B Robinson | 3251 | 1 | D032511 | 34.402 | -80.159 | 76.2 | 68.9 | 4.6 | 19.4 | 397.0 |
| SC | Jefferies | 3319 | 3 | | 33.242 | -79.988 | 91.4 | 9.9 | 4.0 | 16.5 | 433.7 |
| SC | Jefferies | 3319 | 4 | | 33.242 | -79.988 | 91.4 | 9.9 | 4.0 | 17.1 | 435.9 |
| SC | McMeekin | 3287 | MCM1 | D03287MM1 | 34.053 | -81.218 | 125.0 | 82.7 | 4.0 | 16.5 | 410.9 |
| SC | McMeekin | 3287 | MCM2 | D03287MM2 | 34.053 | -81.218 | 125.0 | 82.7 | 4.0 | 15.8 | 410.9 |
| SC | Urquhart | 3295 | URQ3 | D03295UQ3 | 33.435 | -81.911 | 61.0 | 44.4 | 4.6 | 11.2 | 422.0 |
| SC | Wateree | 3297 | WAT1 | D03297WT1 | 33.826 | -80.622 | 121.9 | 34.1 | 8.5 | 16.3 | 327.6 |
| SC | Wateree | 3297 | WAT2 | D03297WT2 | 33.826 | -80.622 | 91.4 | 34.1 | 5.8 | 23.2 | 393.2 |
| SC | Williams | 3298 | WIL1 | D03298WL1 | 33.016 | -79.929 | 121.9 | 6.8 | 7.9 | 17.6 | 326.5 |
| SC | Winyah | 6249 | 1 | D062491 | 33.330 | -79.361 | 123.1 | 8.3 | 6.1 | 15.8 | 324.8 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| SC | Winyah | 6249 | 2,3,4 | x23 | 33.330 | -79.361 | 123.1 | 8.3 | 4.9 | 22.9 | 344.8 |
| TN | Cumberland | 3399 | 1 | | 36.390 | -87.654 | 193.5 | 120.5 | 11.6 | 19.7 | 321.5 |
| TN | Gallatin | 3403 | 1,2 | D03403C12 | 36.316 | -86.401 | 152.7 | 165.9 | 7.6 | 21.8 | 419.3 |
| TN | Gallatin | 3403 | 3,4 | D03403C34 | 36.316 | -86.401 | 152.7 | 165.9 | 7.6 | 24.6 | 411.5 |
| TN | John Sevier | 3405 | 1,2 | D03405C12 | 36.377 | -82.964 | 106.7 | 337.7 | 7.0 | 16.6 | 416.5 |
| TN | John Sevier | 3405 | 3,4 | D03405C34 | 36.377 | -82.964 | 106.7 | 337.7 | 7.0 | 16.6 | 416.5 |
| TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 36.028 | -87.986 | 182.9 | 118.1 | 9.8 | 41.8 | 424.8 |
| TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 35.899 | -84.519 | 304.8 | 443.0 | 7.9 | 34.7 | 424.3 |
| TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 35.899 | -84.519 | 304.8 | 443.0 | 7.9 | 34.7 | 424.3 |
| TX | Big Brown | 3497 | 1 | | 31.821 | -96.054 | 155.45 | 90 | 4.5 | 18.9 | 380.9 |
| TX | Big Brown | 3497 | 2 | | 31.821 | -96.054 | 155.45 | 90 | 4.5 | 18.9 | 380.9 |
| TX | H W Pirkey Power Plant | 7902 | 1 | | 32.464 | -94.487 | 160.02 | 90 | 7.6 | 25.9 | 338.7 |
| TX | Limestone | 298 | LIM1 | | 31.419 | -96.256 | 137.16 | 90 | 7.9 | 27.4 | 394.3 |
| TX | Limestone | 298 | LIM2 | | 31.419 | -96.256 | 137.16 | 90 | 7.9 | 27.4 | 394.3 |
| TX | Martin Lake | 6146 | 1 | | 32.259 | -94.569 | 155.45 | 90 | 4.5 | 18.9 | 380.9 |
| TX | Martin Lake | 6146 | 2 | | 32.259 | -94.569 | 155.45 | 90 | 4.5 | 18.9 | 380.9 |
| TX | Martin Lake | 6146 | 3 | | 32.259 | -94.569 | 155.45 | 90 | 4.5 | 18.9 | 380.9 |
| TX | Monticello | 6147 | 1 | | 33.088 | -95.038 | 155.45 | 90 | 4.5 | 18.9 | 380.9 |
| TX | Monticello | 6147 | 2 | | 33.088 | -95.038 | 155.45 | 90 | 4.5 | 18.9 | 380.9 |
| TX | Monticello | 6147 | 3 | | 33.088 | -95.038 | 155.45 | 90 | 4.5 | 18.9 | 380.9 |
| TX | Welsh Power Plant | 6139 | 1 | | 33.055 | -94.840 | 91.44 | 90 | 5.2 | 48.8 | 422.0 |
| TX | Welsh Power Plant | 6139 | 2 | | 33.055 | -94.840 | 91.44 | 90 | 5.2 | 48.8 | 422.0 |
| TX | Welsh Power Plant | 6139 | 3 | | 33.055 | -94.840 | 91.44 | 90 | 5.2 | 48.8 | 394.3 |
| VA | Bremo Power Station | 3796 | 4 | D037964 | 37.709 | -78.288 | 61.0 | 70.4 | 4.6 | 13.7 | 402.0 |
| VA | Chesapeake Energy Center | 3803 | 1 | D038031 | 36.772 | -76.309 | 53.3 | 7.0 | 4.0 | 17.7 | 414.3 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| VA | Chesapeake Energy Center | 3803 | 2 | D038032 | 36.772 | -76.309 | 53.3 | 7.0 | 4.0 | 17.7 | 414.3 |
| VA | Chesapeake Energy Center | 3803 | 3 | D038033 | 36.772 | -76.309 | 61.0 | 7.0 | 3.7 | 21.1 | 413.2 |
| VA | Chesapeake Energy Center | 3803 | 4 | D038034 | 36.772 | -76.309 | 61.0 | 7.0 | 4.3 | 21.3 | 382.0 |
| VA | Chesterfield Power Station | 3797 | 4 | D037974 | 37.374 | -77.406 | 61.0 | 31.8 | 4.0 | 22.3 | 435.4 |
| VA | Chesterfield Power Station | 3797 | 5 | D037975 | 37.374 | -77.406 | 61.0 | 31.8 | 5.2 | 21.6 | 402.6 |
| VA | Chesterfield Power Station | 3797 | 6 | D037976 | 37.374 | -77.406 | 127.7 | 31.8 | 6.1 | 30.5 | 402.0 |
| VA | Chesterfield Power Station | 3797 | (3),7,8A | x28 | 37.374 | -77.406 | 61.0 | 31.8 | 4.0 | 14.0 | 415.4 |
| VA | Clinch River | 3775 | 1,2 | D03775C02 | 36.933 | -82.199 | 137.2 | 465.9 | 4.8 | 31.1 | 410.9 |
| VA | Yorktown Power Station | 3809 | 3 | D038093 | 37.221 | -76.458 | 149.0 | 0.0 | 6.9 | 33.5 | 415.9 |
| VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 37.221 | -76.458 | 98.8 | 0.0 | 5.2 | 32.8 | 402.0 |
| WI | Columbia | 8023 | 1 | D080231 | 43.486 | -89.420 | 152.4 | 245.1 | 6.1 | 32.6 | 407.0 |
| WI | Columbia | 8023 | 2 | D080232 | 43.486 | -89.420 | 198.1 | 245.1 | 6.1 | 32.6 | 411.5 |
| WI | Edgewater (4050) | 4050 | 5 | | 43.715 | -87.709 | 167.3 | 183.9 | 4.9 | 29.1 | 406.5 |
| WI | Genoa | 4143 | 1 | | 43.559 | -91.233 | 152.4 | 193.8 | 4.6 | 27.8 | 429.3 |
| WI | Nelson Dewey | 4054 | 2 | | 42.723 | -91.009 | 107.9 | 190.1 | 3.7 | 18.3 | 424.8 |
| WI | South Oak Creek | 4041 | 7, 8 | D04041CS4 | 42.846 | -87.829 | 169.8 | 186.7 | 5.2 | 27.8 | 397.6 |
| WV | Albright Power Station | 3942 | 3 | D039423 | 39.489 | -79.637 | 68.6 | 371.4 | 3.2 | 31.7 | 426.5 |
| WV | Fort Martin Power Station | 3943 | 1 | D039431 | 39.711 | -79.928 | 167.6 | 247.0 | 7.5 | 17.6 | 325.4 |
| WV | Fort Martin Power Station | 3943 | 2 | D039432 | 39.711 | -79.928 | 167.6 | 247.0 | 7.5 | 17.6 | 325.4 |
| WV | Harrison Power Station | 3944 | 1 (25%), 2 (20%) | D03944C01 | 39.384 | -80.333 | 305.1 | 297.9 | 7.9 | 16.8 | 338.7 |
| WV | John E Amos | 3935 | 3 | D039353 | 38.473 | -81.823 | 275.2 | 179.5 | 13.0 | 15.3 | 326.5 |
| WV | John E Amos | 3935 | 1,2 | D03935C02 | 38.473 | -81.823 | 275.2 | 179.5 | 10.3 | 15.2 | 326.5 |
| WV | Kammer | 3947 | 1,2,3 | D03947C03 | 39.846 | -80.819 | 274.3 | 198.5 | 7.0 | 29.9 | 427.6 |
| WV | Kanawha River | 3936 | 1,2 | D03936C02 | 38.206 | -81.421 | 99.1 | 190.6 | 6.0 | 20.1 | 430.9 |

| EGU Facility Info | | | | | EGU Source Parameters | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| WV | Longview Power | 5667 1 | 1 | | 39.708 | -79.959 | 168.9 | 343.7 | 7.8 | 16.5 | 324.8 |
| WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 39.830 | -80.815 | 304.8 | 203.2 | 10.3 | 14.9 | 326.5 |
| WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 39.201 | -79.267 | 226.5 | 1012.1 | 8.8 | 29.2 | 319.3 |
| WV | Mountaineer (1301) | 6264 | 1 | D062641 | 38.979 | -81.934 | 304.8 | 180.3 | 13.0 | 15.1 | 327.0 |
| WV | Phil Sporn | 3938 | 11,21,31, 41 | D03938C04 | 38.967 | -81.923 | 182.9 | 181.2 | 6.6 | 28.7 | 417.6 |
| WV | Pleasants Power Station | 6004 | 1 | D060041 | 39.367 | -81.294 | 195.1 | 193.6 | 8.8 | 13.8 | 338.7 |
| WV | Pleasants Power Station | 6004 | 2 | D060042 | 39.367 | -81.294 | 195.1 | 193.6 | 8.8 | 13.8 | 338.7 |

## B.2 Industrial and Institutional Source Parameters

| Industrial and Institutional Source Parameters | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | Unit IDs | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
| LARGE EMITTING STACKS | | | | | | | | | | |
| IL | Aventine Renewable Energy Inc | 8065311 | 48 | 40.555 | -89.663 | 61.0 | 140.5 | 1.829 | 26.8 | 454.8 |
| IL | Aventine Renewable Energy Inc | 8065311 | 49 | 40.555 | -89.663 | 61.0 | 140.2 | 3.048 | 7.7 | 435.4 |
| IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | 39.848 | -88.928 | 91.4 | 205.8 | 2.438 | 8.6 | 410.9 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | 41.637 | -87.139 | 68.0 | 188.1 | 3.200 | 14.4 | 505.4 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | 41.637 | -87.139 | 68.0 | 188.1 | 3.374 | 14.1 | 505.4 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | 41.637 | -87.139 | 67.1 | 188.1 | 3.587 | 11.2 | 505.4 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | 41.629 | -87.144 | 76.8 | 188.1 | 3.780 | 7.2 | 547.0 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | 41.627 | -87.144 | 75.9 | 188.1 | 4.045 | 4.8 | 505.4 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | 41.638 | -87.140 | 61.3 | 188.1 | 3.484 | 15.8 | 519.3 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | 41.639 | -87.140 | 61.3 | 188.4 | 3.594 | 14.9 | 519.3 |
| IN | BALL STATE UNIVERSITY | 4873211 | 1 | 40.209 | -85.407 | 45.7 | 285.7 | 0.914 | 15.2 | 560.9 |
| IN | BALL STATE UNIVERSITY | 4873211 | 2 | 40.209 | -85.407 | 45.7 | 285.7 | 0.914 | 15.2 | 560.9 |
| IN | Citizens Thermal | 4885311 | 1 | 39.763 | -86.166 | 82.9 | 214.3 | 4.420 | 4.6 | 566.5 |
| IN | Citizens Thermal | 4885311 | 4 | 39.763 | -86.166 | 82.9 | 213.7 | 4.642 | 4.7 | 463.7 |
| IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | 39.718 | -87.395 | 54.9 | 160.4 | 1.829 | 11.5 | 416.5 |
| IN | ESSROC Cement Corp | 8198511 | 15 | 38.414 | -85.752 | 45.7 | 144.2 | 0.914 | 16.3 | 422.0 |
| IN | SABIC INNOVATIVE PLASTICS MT. VERNON LLC | 7364611 | 1 | 37.907 | -87.927 | 45.7 | 121.0 | 0.914 | 51.8 | 449.8 |
| IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | 40.376 | -86.844 | 76.2 | 200.3 | 3.658 | 14.2 | 338.7 |
| IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | 41.705 | -86.237 | 48.8 | 223.8 | 1.219 | 38.6 | 435.9 |
| IN | US STEEL GARY WORKS | 8192011 | 0 | 41.617 | -87.322 | 45.7 | 184.1 | 0.914 | 15.2 | 310.9 |
| KY | E I Dupont Inc | 6096411 | 1 | 38.555 | -82.789 | 61.0 | 166.2 | 0.914 | 27.2 | 37.0 |

**Industrial and Institutional Source Parameters**

| State | Facility Name | Facility/ ORIS ID | Unit IDs | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
|---|---|---|---|---|---|---|---|---|---|---|
| KY | Isp Chemicals Inc. | 7365311 | 0AA | 37.048 | -88.359 | 30.5 | 105.5 | 1.600 | 9.4 | 477.6 |
| MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | 39.472 | -79.058 | 189.9 | 292.1 | 3.353 | 22.9 | 422.0 |
| MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | 39.472 | -79.058 | 189.9 | 292.1 | 3.353 | 22.9 | 422.0 |
| MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | 39.472 | -79.058 | 67.1 | 292.1 | 2.615 | 15.2 | 422.0 |
| MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | 38.587 | -77.173 | 32.0 | 25.0 | 1.524 | 3.0 | 477.6 |
| MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | 39.217 | -76.476 | 30.5 | 3.7 | 1.219 | 7.6 | 810.9 |
| MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | 39.217 | -76.476 | 6.1 | 3.7 | 91.440 | 9.1 | 394.3 |
| MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | 45.804 | -87.091 | 100.6 | 187.8 | 3.353 | 21.1 | 454.3 |
| MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | 45.318 | -85.298 | 98.5 | 182.6 | 3.353 | 24.8 | 384.3 |
| MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | 45.316 | -85.302 | 68.3 | 183.2 | 1.981 | 17.0 | 379.8 |
| MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | 42.282 | -83.110 | 6.1 | 177.4 | 91.440 | 0.01 | 295.4 |
| NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | 35.536 | -82.842 | 71.5 | 787.8 | 4.785 | 10.1 | 473.7 |
| NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | 35.536 | -82.842 | 83.8 | 787.8 | 2.438 | 18.3 | 448.7 |
| NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | 35.536 | -82.842 | 61.9 | 787.8 | 3.658 | 15.4 | 422.0 |
| NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | 35.536 | -82.842 | 34.7 | 787.8 | 2.438 | 17.9 | 332.0 |
| NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | 35.536 | -82.842 | 45.7 | 787.8 | 2.743 | 18.2 | 495.4 |
| NC | DAK Americas LLC | 8122511 | ES-01 | 34.322 | -78.040 | 53.3 | 7.3 | 1.579 | 20.7 | 449.8 |
| NC | DAK Americas LLC | 8122511 | ES-02 | 34.322 | -78.040 | 53.3 | 7.3 | 1.579 | 20.7 | 449.8 |
| NY | ALCOA MASSENA OPERATIONS (WEST PLANT) | 7968211 | SA398 | 44.940 | -74.880 | 23.8 | 59.1 | 1.798 | 12.0 | 346.5 |

**Industrial and Institutional Source Parameters**

| State | Facility Name | Facility/ ORIS ID | Unit IDs | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
|---|---|---|---|---|---|---|---|---|---|---|
| NY | CARGILL SALT CO-WATKINS GLEN PLANT | 8176611 | 1 | 42.380 | -76.860 | 32.3 | 140.9 | 2.134 | 3.0 | 438.7 |
| NY | INTERNATIONAL PAPER TICONDEROGA MILL | 7991711 | 44 | 43.892 | -73.399 | 62.5 | 53.4 | 3.932 | 12.2 | 334.8 |
| NY | KODAK PARK DIVISION | 8091511 | 4 | 43.200 | -77.640 | 124.7 | 131.7 | 4.572 | 8.4 | 358.7 |
| NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | 42.490 | -73.810 | 106.7 | 61.6 | 6.096 | 14.2 | 477.6 |
| NY | MORTON SALT DIV | 7814711 | 1 | 42.650 | -78.080 | 38.1 | 431.1 | 2.591 | 5.2 | 472.0 |
| OH | Cargill, Incorporated - Salt Division (Akron, OH) (1677010027) | 7416411 | 250250 | 41.044 | -81.543 | 53.3 | 295.4 | 1.615 | 19.6 | 441.5 |
| OH | City of Akron Steam Generating (1677010757) | 8170411 | 253630 | 41.072 | -81.529 | 73.5 | 296.3 | 4.877 | 3.1 | 533.2 |
| OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | 39.176 | -84.502 | 64.9 | 154.6 | 2.134 | 24.0 | 427.6 |
| OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | 39.006 | -82.999 | 33.2 | 204.6 | 1.829 | 7.5 | 455.4 |
| OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | 39.007 | -82.999 | 33.2 | 204.6 | 1.829 | 7.5 | 455.4 |
| OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | 39.280 | -81.639 | 53.3 | 191.2 | 1.585 | 26.3 | 494.3 |
| OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | 39.280 | -81.639 | 53.3 | 191.5 | 1.585 | 26.3 | 494.3 |
| OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | 40.969 | -81.776 | 48.8 | 291.5 | 1.829 | 12.0 | 463.7 |
| OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | 40.969 | -81.776 | 48.8 | 291.5 | 1.829 | 12.0 | 463.7 |
| OH | P. H. Glatfelter Company - Chillicothe Facility (0671010028) | 8131111 | 147671 | 39.322 | -82.973 | 144.8 | 188.1 | 4.267 | 21.5 | 429.3 |
| OH | The Medical Center Company (1318003059) | 8252111 | 184509 | 41.496 | -81.621 | 62.8 | 210.4 | 1.981 | 10.7 | 410.9 |
| OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | 41.081 | -80.657 | 38.1 | 322.3 | 1.615 | 9.2 | 477.6 |
| PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | 41.967 | -78.630 | 65.5 | 433.2 | 2.438 | 15.5 | 449.8 |

**Industrial and Institutional Source Parameters**

| State | Facility Name | Facility/ ORIS ID | Unit IDs | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
|---|---|---|---|---|---|---|---|---|---|---|
| PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | 40.339 | -78.405 | 52.4 | 353.7 | 2.438 | 8.9 | 324.8 |
| PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | 40.339 | -78.405 | 67.1 | 353.7 | 1.219 | 52.5 | 449.8 |
| PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | 40.339 | -78.405 | 67.1 | 354.3 | 1.219 | 52.5 | 449.8 |
| PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | 40.750 | -75.271 | 47.5 | 111.0 | 3.962 | 11.1 | 477.6 |
| PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | 41.863 | -78.448 | 61.0 | 489.9 | 2.286 | 14.2 | 566.5 |
| PA | KEYSTONE PORTLAND CEMENT/EAST ALLEN | 6582211 | S73 | 40.716 | -75.398 | 57.9 | 124.4 | 1.524 | 69.5 | 375.9 |
| PA | Penn State Univ | 3186811 | S01 | 40.793 | -77.865 | 59.7 | 354.9 | 2.438 | 10.1 | 449.8 |
| PA | SUNOCO INC (R&M)/MARCUS HOOK REFINERY | 7873611 | S60 | 39.814 | -75.414 | 36.6 | 3.7 | 4.572 | 22.0 | 699.8 |
| PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | 40.680 | -78.236 | 71.6 | 281.1 | 1.829 | 15.8 | 383.2 |
| PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | 41.830 | -79.124 | 45.7 | 369.5 | 2.134 | 16.5 | 477.6 |
| TN | Cargill Corn Milling | 5723011 | 8001 | 35.081 | -90.133 | 65.5 | 72.0 | 0.610 | 4.6 | 295.4 |
| TN | Cargill Corn Milling | 5723011 | 8301 | 35.081 | -90.134 | 65.5 | 73.5 | 2.743 | 4.6 | 295.4 |
| TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | 36.519 | -82.535 | 76.2 | 375.9 | 2.438 | 16.8 | 419.3 |
| TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | 36.516 | -82.533 | 114.3 | 378.0 | 3.048 | 36.3 | 344.3 |
| TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | 36.519 | -82.539 | 70.1 | 372.0 | 4.267 | 18.6 | 442.6 |
| TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | 35.047 | -88.268 | 76.2 | 144.8 | 3.901 | 12.2 | 435.9 |
| VA | GP Big Island LLC | 4183311 | 1 | 37.534 | -79.358 | 55.5 | 204.3 | 2.134 | 19.8 | 472.0 |
| VA | Radford Army Ammunition Plant | 5748611 | 1 | 37.180 | -80.542 | 76.2 | 558.2 | 3.353 | 5.7 | 449.8 |
| VA | Roanoke Cement Company | 5039811 | 4 | 37.459 | -79.995 | 106.7 | 425.6 | 3.048 | 28.8 | 388.7 |
| WV | BAYER CROPSCIENCE | 5782411 | 8 | 38.381 | -81.772 | 61.0 | 182.6 | 2.896 | 19.8 | 449.8 |
| WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | 39.435 | -77.978 | 133.2 | 153.0 | 5.182 | 22.9 | 358.2 |

**Industrial and Institutional Source Parameters**

| State | Facility Name | Facility/ ORIS ID | Unit IDs | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
|---|---|---|---|---|---|---|---|---|---|---|
| WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | 39.269 | -81.670 | 45.7 | 191.5 | 2.743 | 13.6 | 457.6 |
| IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | 37.918 | -87.326 | 31.7 | 120.1 | 1.859 | 83.8 | 588.7 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | 41.627 | -87.144 | 67.1 | 187.2 | 3.435 | 13.3 | 505.4 |
| IN | Indiana Harbor East | 3986511 | | 41.667 | -87.442 | 47.2 | 179.9 | 4.420 | 2.4 | 449.8 |
| IN | INDIANA UNIVERSITY | 4553211 | | 39.174 | -86.520 | 76.2 | 243.9 | 1.433 | 45.7 | 466.5 |
| IN | SABIC INNOVATIVE PLASTICS MT. VERNON LLC | 7364611 | | 37.907 | -87.927 | 45.7 | 122.0 | 0.914 | 9.6 | 422.0 |
| IN | US STEEL GARY WORKS | 8192011 | | 41.617 | -87.313 | 45.7 | 182.3 | 0.914 | 15.2 | 326.5 |
| KY | Century Aluminum Sebree LLC | 7352311 | | 37.657 | -87.501 | 27.4 | 138.7 | 0.966 | 7.8 | 431.5 |
| ACCUMULATED EMISSIONS | | | | | | | | | | |
| MA | SOLUTIA INCORPORATED | 7236411 | | 42.157 | -72.528 | 59.7 | 45.7 | 2.134 | 7.3 | 397.0 |
| MD | Sparrows Point, LLC | 8239711 | | 39.217 | -76.476 | 53.3 | 4.9 | 3.505 | 26.2 | 522.0 |
| ME | FMC BIOPOLYMER | 5692011 | | 44.107 | -69.104 | 39.9 | 3.0 | 1.219 | 3.0 | 495.9 |
| ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | 44.577 | -69.610 | 31.7 | 33.5 | 1.859 | 0.03 | 588.7 |
| ME | Madison Paper | 5253911 | | 44.798 | -69.886 | 76.2 | 74.7 | 1.433 | 45.7 | 466.5 |
| ME | SAPPI - SOMERSET | 8200111 | | 44.702 | -69.649 | 83.8 | 58.8 | 4.328 | 29.4 | 464.3 |
| ME | THE JACKSON LABORATORY | 7945211 | | 44.366 | -68.196 | 28.0 | 51.8 | 0.914 | 11.4 | 449.8 |
| ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | 44.506 | -70.239 | 73.2 | 126.5 | 4.572 | 16.3 | 478.7 |
| ME | WOODLAND PULP LLC | 5974211 | | 45.155 | -67.401 | 68.6 | 39.6 | 3.566 | 6.7 | 335.4 |
| MI | U S STEEL GREAT LAKES WORKS | 8483611 | | 42.282 | -83.110 | 31.1 | 178.0 | 4.267 | 1.6 | 477.6 |
| NC | KapStone Kraft Paper Corporation | 8048011 | | 36.477 | -77.645 | 64.9 | 21.3 | 2.591 | 10.1 | 333.2 |
| NH | DARTMOUTH COLLEGE | 7199811 | | 43.701 | -72.288 | 53.3 | 158.5 | 3.048 | 6.6 | 468.7 |
| NH | GORHAM PAPER & TISSUE LLC | 7866711 | | 44.447 | -71.187 | 64.9 | 274.4 | 3.200 | 12.7 | 483.2 |
| NJ | Atlantic County Utilities Authority Landfill | 8093211 | | 39.424 | -74.536 | 4.9 | 10.7 | 0.335 | 1.9 | 550.4 |

**Industrial and Institutional Source Parameters**

| State | Facility Name | Facility/ ORIS ID | Unit IDs | Latitude | Longitude | Stack Height (m) | Base Elev. (m) | Stack Diameter (m) | Exhaust flow (m/s) | Exit Temp. (deg.K) |
|---|---|---|---|---|---|---|---|---|---|---|
| NJ | Gerresheimer Moulded Glass | 12804611 | | 39.411 | -75.035 | 21.3 | 14.3 | 1.143 | 13.8 | 449.8 |
| NY | FINCH PAPER LLC | 8325211 | | 43.309 | -73.635 | 68.0 | 88.4 | 1.890 | 8.4 | 302.6 |
| NY | NORLITE CORP | 8090911 | | 42.755 | -73.703 | 36.6 | 18.3 | 1.219 | 19.2 | 330.4 |
| OH | AK Steel Corporation (1409010006) | 8008811 | | 39.482 | -84.358 | 64.9 | 201.2 | 2.591 | 10.1 | 333.2 |
| OH | BDM Warren Steel Operations, LLC (0278000463) | 8063611 | | 41.211 | -80.814 | 51.8 | 269.8 | 3.658 | 4.5 | 394.3 |
| OH | Youngstown Thermal (0250110024) | 7219511 | | 41.106 | -80.657 | 38.1 | 268.6 | 1.615 | 9.2 | 477.6 |
| PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | 41.863 | -78.448 | 39.6 | 442.7 | 1.676 | 14.2 | 566.5 |
| PA | PHILA ENERGY SOL REF/ PES | 6652211 | | 39.914 | -75.199 | 61.0 | 9.1 | 3.962 | 22.6 | 449.8 |
| PA | PPG IND INC/WORKS NO 6 | 6463511 | | 40.129 | -77.167 | 29.0 | 164.6 | 3.353 | 15.1 | 472.0 |
| PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | 40.392 | -79.861 | 50.3 | 228.7 | 4.206 | 41.0 | 516.5 |
| PA | USS/CLAIRTON WORKS | 8204511 | | 40.306 | -79.877 | 52.4 | 231.7 | 3.353 | 23.9 | 560.9 |
| TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | 35.047 | -88.269 | 76.2 | 144.8 | 2.438 | 19.2 | 469.3 |
| VA | Huntington Ingalls Incorporated -NN Shipbldg Div | 4938811 | | 36.986 | -76.436 | 47.2 | 4.0 | 4.420 | 2.4 | 449.8 |
| VA | Philip Morris Usa Inc - Park 500 | 5795511 | | 37.344 | -77.283 | 80.5 | 4.0 | 1.463 | 19.3 | 463.7 |
| VA | Smurfit Stone Container Corporation - West Point | 4182011 | | 37.539 | -76.805 | 45.7 | 5.2 | 1.463 | 8.4 | 347.0 |
| WV | DUPONT WASHINGTON WORKS | 4878911 | | 39.269 | -81.670 | 45.7 | 192.1 | 2.286 | 9.9 | 439.8 |

## B.3 EGU Source Emissions

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 4,852 | 3,052 | 9,383 | 2,649 | 13,205 | 8,062 |
| AL | E C Gaston | 26 | 1, 2 | D00026CAN | 14,999 | 2,327 | 7,137 | 1,045 | 48,257 | 7,108 |
| AL | E C Gaston | 26 | 3, 4 | D00026CBN | 14,260 | 2,419 | 6,495 | 973 | 41,190 | 6,807 |
| AL | E C Gaston | 26 | 5 | | 1,514 | 2,707 | 8,419 | 2,587 | 2,264 | 3,077 |
| AL | Greene County | 10 | 1 | | 6,325 | 905 | 5,893 | 912 | 18,111 | 2,764 |
| AR | Flint Creek Power Plant | 6138 | 1 | | 2,474 | 1,565 | 2,193 | 1,556 | 8,617 | 5,324 |
| AR | Independence | 6641 | 1 | D066411 | 5,081 | 2,346 | 3,811 | 1,540 | 15,306 | 7,010 |
| AR | Independence | 6641 | 2 | D066412 | 5,142 | 2,084 | 3,781 | 1,287 | 15,089 | 6,394 |
| AR | White Bluff | 6009 | 1 | D060091 | 5,741 | 2,708 | 4,840 | 2,133 | 15,017 | 7,261 |
| AR | White Bluff | 6009 | 2 | D060092 | 5,522 | 2,849 | 4,662 | 2,244 | 16,665 | 8,740 |
| CT | Bridgeport Harbor Station | 568 | BHB3 | | 657 | 501 | 1,008 | 537 | 498 | 361 |
| CT | Middletown | 562 | 4 | | 722 | 556 | 489 | 400 | 53 | 36 |
| CT | New Haven Harbor | 6156 | NHB1 | | 540 | 316 | 1,104 | 577 | 68 | 50 |
| DE | Edge Moor | 593 | 5 | D005935 | 554 | 235 | 706 | 187 | 55 | 89 |
| DE | Indian River | 594 | 4 | D005944 | 3,405 | 1,065 | 1,154 | 277 | 5,957 | 1,736 |
| GA | Bowen | 703 | 1BLR | D007031LR | 726 | 2,101 | 884 | 1,018 | 2,142 | 2,544 |
| GA | Bowen | 703 | 2BLR | D007032LR | 336 | 2,211 | 953 | 789 | 680 | 1,929 |
| GA | Bowen | 703 | 3BLR | D007033LR | 409 | 1,010 | 1,178 | 737 | 1,027 | 1,709 |
| GA | Bowen | 703 | 4BLR | D007034LR | 406 | 2,443 | 1,110 | 738 | 2,038 | 2,124 |
| GA | Harllee Branch | 709 | 1,2 | D00709C01 | 8,052 | 1,977 | 4,661 | 832 | 19,113 | 4,565 |
| GA | Harllee Branch | 709 | 3&4 | D00709C02 | 16,641 | 3,612 | 14,841 | 2,805 | 30,250 | 7,525 |
| GA | Jack McDonough | 710 | MB1, MB2 | D00710C01 | 6,575 | 1,101 | - | - | 18,307 | 3,164 |
| GA | Scherer | 6257 | 1 | D062571 | 5,662 | 1,439 | 109 | 1,573 | 15,229 | 3,429 |
| GA | Scherer | 6257 | 2 | D062572 | 5,654 | 1,337 | 68 | 1,226 | 15,203 | 3,843 |
| GA | Scherer | 6257 | 4 | D062574 | 5,820 | 1,309 | 157 | 1,509 | 18,373 | 4,331 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| GA | Yates | 728 | Y5BR | D00728Y5R | 1,901 | 295 | 3,101 | 443 | 3,201 | 489 |
| GA | Yates | 728 | Y6BR | D00728Y6R | 8,901 | 853 | 7,789 | 929 | 18,878 | 2,280 |
| GA | Yates | 889 | Y7BR | D00728Y7R | 6,591 | 682 | 2 | 946 | 12,512 | 1,534 |
| IA | George Neal North | 1091 | 3 | D010913 | 2,505 | 1,189 | 1,719 | 1,076 | 7,981 | 3,505 |
| IA | George Neal South | 1091 | 4 | D073434 | 4,811 | 1,578 | 2,431 | 1,373 | 15,053 | 4,570 |
| IA | Louisa | 6664 | 101 | D06664101 | 2,652 | 1,358 | 2,469 | 1,292 | 7,306 | 3,722 |
| IA | Ottumwa | 887 | 1 | D062541 | 4,916 | 1,200 | 2,576 | 1,321 | 12,237 | 3,032 |
| IA | Walter Scott Jr. Energy Center | 1082 | 3 | D010823 | 2,590 | 1,531 | 2,400 | 1,667 | 9,642 | 5,311 |
| IL | Baldwin Energy Complex | 876 | 1,2 | D008892 | 7,591 | 869 | 986 | 778 | 17,306 | 2,428 |
| IL | Joliet 29 | 384 | 81, 82 | D00384C82 | 2,383 | 578 | 2,025 | 480 | 7,543 | 1,817 |
| IL | Joppa Steam | 887 | 1, 2 | D00887CS1 | 2,463 | 448 | 1,601 | 364 | 8,201 | 1,590 |
| IL | Joppa Steam | 887 | 3, 4 | D00887CS2 | 2,479 | 407 | 1,631 | 353 | 8,861 | 1,564 |
| IL | Kincaid Generating Station | 876 | 1, 2 | D00876C02 | 5,085 | 7,717 | 932 | 598 | 11,789 | 11,630 |
| IL | Marion | 976 | 4 | D009764 | 2,266 | 601 | 992 | 446 | 6,488 | 1,214 |
| IL | Newton | 6017 | 1 | D060171 | 3,681 | 651 | 2,673 | 497 | 10,817 | 1,969 |
| IL | Newton | 6017 | 2 | D060172 | 3,431 | 647 | 2,542 | 456 | 10,054 | 1,956 |
| IL | Powerton | 879 | 51,52,61,62 | D00879C06 | 7,017 | 2,198 | 4,769 | 1,822 | 21,835 | 12,218 |
| IL | Wood River Power Station | 898 | 5 | D008985 | 2,021 | 580 | 1,446 | 436 | 6,776 | 2,037 |
| IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 310 | 858 | 246 | 663 | | |
| IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 777 | 711 | 685 | 963 | 2,016 | 1,612 |
| IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 1,271 | 4,635 | 647 | 1,247 | | |
| IN | Cayuga | 1001 | 1 | D010011 | 852 | 1,362 | 851 | 2,054 | 1,528 | 4,102 |
| IN | Cayuga | 1001 | 2 | D010012 | 998 | 1,442 | 449 | 1,709 | 1,768 | 4,148 |
| IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 10,927 | 1,322 | 986 | 1,105 | 36,391 | 4,022 |
| IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 14,242 | 2,321 | 888 | 1,548 | 37,695 | 6,920 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| IN | Gibson | 6113 | 5 | D061135 | 3,700 | 1,985 | 4,271 | 1,738 | 9,276 | 2,919 |
| IN | Gibson | 6113 | 1,2,3 | D06113C03 | 2,499 | 6,295 | 2,583 | 2,039 | 6,699 | 9,572 |
| IN | Gibson | 6113 | 4 | D061135 | 1,256 | 4,657 | 1,441 | 785 | 2,112 | 3,101 |
| IN | IPL - Eagle Valley Generating Station | 991 | 5, 6 | D00991C56 | 2,967 | 403 | 2,428 | 398 | 6,720 | 953 |
| IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 2,213 | 711 | 961 | 789 | 681 | 1,081 |
| IN | IPL - Harding Street Station (EW Stout) | 990 | 50 | D0099050 | 3,835 | 305 | 3,723 | 238 | 8,634 | 739 |
| IN | IPL - Harding Street Station (EW Stout) | 990 | 60 | D0099060 | 3,480 | 268 | 3,387 | 207 | 7,940 | 700 |
| IN | IPL - Petersburg Generating Station | 994 | 3 | D009943 | 3,984 | 1,463 | 3,061 | 2,085 | 7,569 | 2,277 |
| IN | IPL - Petersburg Generating Station | 994 | 4 | D009944 | 5,749 | 1,456 | 2,179 | 1,288 | 13,681 | 3,743 |
| IN | IPL - Petersburg Generating Station | 994 | 1 (50%) | D00994M1B | 4,116 | 636 | 5,636 | 726 | 1,395 | 1,514 |
| IN | IPL - Petersburg Generating Station | 994 | 2(50%) | D00994M2B | 2,757 | 1,329 | 17,177 | 1,636 | 2,586 | 2,125 |
| IN | Merom | 6213 | 2SG1 | D062132G1 | 3,984 | 523 | 611 | 275 | 4,687 | 1,671 |
| IN | Michigan City Generating Station | 997 | 12 | D0099712 | 4,116 | 497 | 5,203 | 453 | 13,352 | 1,399 |
| IN | R Gallagher | 1008 | 1,2 | D01008C01 | 2,191 | 803 | 1,016 | 451 | 1,578 | 703 |
| IN | R Gallagher | 1008 | 3,4 | D01008C02 | 1,940 | 768 | 970 | 393 | 1,432 | 643 |
| IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 18,882 | 6,490 | 12,426 | 5,423 | 56,727 | 19,791 |
| IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 2,971 | 937 | 2,904 | 1,084 | 5,438 | 1,853 |
| IN | Tanners Creek | 988 | U4 | D00988U4 | 9,211 | 1,407 | 7,024 | 1,217 | 19,656 | 3,233 |
| IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 18,621 | 2,324 | 10,778 | 1,186 | 55,343 | 6,729 |
| IN | Whitewater Valley | 1040 | 1, 2 | D01040C12 | 3,077 | 223 | 3,671 | 273 | 5,239 | 375 |
| IN | R M Schahfer Generating Station | 6085 | 14 | D0608514 | 4,144 | 638 | 134 | 622 | 9,211 | 1,266 |
| IN | R M Schahfer Generating Station | 6085 | 15 | D0608515 | 3,249 | 886 | 98 | 622 | 8,413 | 2,346 |
| KS | La Cygne | 1241 | 1 | | 2,172 | 745 | 363 | 19 | 3,623 | 1,796 |
| KS | La Cygne | 1241 | 2 | D012412 | 4,836 | 2,400 | 110 | 17 | 14,249 | 6,554 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| KS | Nearman Creek | 6064 | N1 | | 2,567 | 1,777 | 1,634 | 21 | 5,987 | 4,202 |
| KS | Quindaro | 1295 | 2 | | 765 | 454 | 595 | 17 | 2,059 | 1,007 |
| KS | Tecumseh Energy Center | 1252 | 10 | | 888 | 513 | 766 | 15 | 2,282 | 1,412 |
| KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 13,686 | 2,198 | 12,083 | 1,688 | 42,118 | 6,628 |
| KY | D B Wilson | 6823 | W1 | D06823W1 | 2,995 | 406 | 2,468 | 358 | 9,721 | 1,118 |
| KY | E W Brown | 1355 | 2,3 | D01355C03 | 791 | 1,599 | 714 | 836 | 952 | 4,027 |
| KY | East Bend | 6018 | 2 | D060182 | 724 | 937 | 807 | 2,443 | 1,974 | 2,660 |
| KY | Ghent | 1356 | 1,2 … (1,4) | D01356C01 | 1,070 | 885 | 988 | 1,628 | 2,814 | 3,657 |
| KY | Ghent | 1356 | 3,4 … (2,3) | D01356C02 | 3,116 | 1,608 | 3,562 | 1,653 | 7,969 | 5,408 |
| KY | Green River | 1357 | 4 | D013574 | 2,897 | 317 | 3,434 | 414 | 8,190 | 880 |
| KY | Green River | 1357 | 5 | D013575 | 3,389 | 346 | 3,618 | 419 | 9,061 | 913 |
| KY | H L Spurlock | 6041 | 1 | D060411 | 1,082 | 251 | 463 | 213 | 1,455 | 829 |
| KY | H L Spurlock | 6041 | 2 | D060412 | 950 | 445 | 485 | 443 | 2,396 | 1,554 |
| KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 6,265 | 1,226 | 1,723 | 457 | 18,316 | 3,676 |
| KY | Mill Creek | 1364 | 4 | D013644 | 4,212 | 807 | 383 | 1,276 | 10,756 | 1,645 |
| KY | Mill Creek | 1364 | 1,2,3 | x05 | 6,145 | 2,570 | 6,518 | 2,129 | 19,189 | 6,848 |
| KY | Paradise | 1378 | 1 | D01720C09 | 4,934 | 1,031 | 1,900 | 656 | 13,919 | 2,465 |
| KY | Paradise | 1378 | 2 | D013782 | 5,646 | 1,068 | 2,397 | 781 | 19,641 | 3,128 |
| KY | Paradise | 1378 | 3 | D013783 | 3,343 | 5,717 | 1,523 | 1,488 | 3,945 | 4,515 |
| KY | Shawnee | 1379 | 1,2,3,4,5 | D01379C15 | 4,170 | 2,796 | 4,367 | 1,382 | 15,283 | 7,457 |
| KY | Shawnee | 1379 | 6,7,8,9,10 | D01379C60 | 3,686 | 1,999 | 3,747 | 1,266 | 12,487 | 6,421 |
| MA | Brayton Point | 1619 | 1 | D016191 | 2,469 | 350 | 391 | 159 | 4,298 | 633 |
| MA | Brayton Point | 1619 | 2 | D016192 | 2,732 | 556 | 389 | 584 | 3,535 | 821 |
| MA | Brayton Point | 1619 | 3 | D016193 | 7,369 | 922 | 395 | 340 | 10,768 | 1,135 |
| MA | Brayton Point | 1619 | 4 | x07 | 1,073 | 368 | 3,240 | 1,147 | 45 | 38 |
| MA | Canal Station | 1599 | 1 | D015991 | 1,380 | 315 | 1,908 | 566 | 99 | 20 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| MA | Canal Station | 1599 | 2 | D015992 | 922 | 455 | 1,534 | 924 | 29 | 13 |
| MA | Salem Harbor Station | 1626 | 3 | D016263 | 1,248 | 300 | - | - | 2,323 | 276 |
| MA | Salem Harbor Station | 1626 | 1 | | 716 | 175 | - | - | 877 | 201 |
| MD | Brandon Shores | 602 | 1 | D006021 | 907 | 1,841 | 1,023 | 419 | 1,323 | 2,352 |
| MD | Brandon Shores | 602 | 2 | D006022 | 886 | 1,957 | 943 | 557 | 1,506 | 2,513 |
| MD | C P Crane | 1552 | 1 | D015521 | 3,106 | 866 | 853 | 814 | 2,597 | 1,195 |
| MD | C P Crane | 1552 | 2 | D015522 | 3,431 | 973 | 1,700 | 1,241 | 3,085 | 1,303 |
| MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 7,656 | 1,424 | 1,668 | 46 | 5,662 | 3,992 |
| MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 756 | 1,140 | 539 | 1,117 | 694 | 1,226 |
| MD | Herbert A Wagner | 1554 | 3 | D015543 | 2,752 | 604 | 3,550 | 156 | 6,117 | 645 |
| MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 1,543 | 587 | 2,692 | 626 | 2,994 | 1,030 |
| MD | Morgantown | 1573 | 1 | D015731 | 5,682 | 295 | 1,044 | 228 | 3,243 | 633 |
| MD | Morgantown | 1573 | 2 | D015732 | 902 | 234 | 923 | 228 | 1,923 | 560 |
| ME | William F Wyman | 1507 | 1 | | 146 | 46 | 398 | 151 | 58 | 17 |
| ME | William F Wyman | 1507 | 2 | | 138 | 47 | 405 | 150 | 35 | 12 |
| ME | William F Wyman | 1507 | 3 | | 291 | 56 | 789 | 178 | 76 | 16 |
| ME | William F Wyman | 1507 | 4 | D015074 | 2,058 | 498 | 3,918 | 1,272 | 284 | 61 |
| MI | Belle River | 6034 | 1 | D060341 | 4,199 | 1,494 | 3,754 | 1,614 | 10,843 | 3,590 |
| MI | Belle River | 6034 | 2 | D060342 | 4,275 | 1,499 | 4,234 | 1,613 | 14,986 | 5,088 |
| MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 2,581 | 926 | 736 | 204 | 10,967 | 1,228 |
| MI | Dan E Karn | 1720 | 7, 8 | D01720C09 | 2,625 | 729 | 2,288 | 569 | 7,684 | 2,451 |
| MI | J H Campbell | 1710 | A,B,1,2 | D01710C09 | 4,322 | 1,365 | 3,278 | 484 | 10,979 | 3,694 |
| MI | J H Campbell | 1710 | 3 (50%) | D01710M3A | 4,850 | 1,688 | 4,371 | 475 | 15,531 | 3,341 |
| MI | Monroe | 1733 | 1,2 | D01733C12 | 14,821 | 4,697 | 438 | 892 | 47,546 | 12,275 |
| MI | Monroe | 1733 | 3,4 | D01733C34 | 1,101 | 1,437 | 731 | 868 | 1,521 | 2,952 |
| MI | River Rouge | 1740 | 3 | D017403 | 2,030 | 862 | 2,006 | 957 | 4,709 | 1,902 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| MI | St. Clair | 1743 | 6 | D017436 | 3,950 | 475 | 5,038 | 423 | 10,537 | 1,315 |
| MI | St. Clair | 1743 | 7 | D017437 | 6,836 | 738 | 4,622 | 731 | 13,375 | 1,798 |
| MI | St. Clair | 1743 | 1,2,3,4 | x09 | 5,271 | 2,059 | 3,021 | 1,489 | 10,741 | 5,124 |
| MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 2,236 | 895 | 1,396 | 397 | 6,298 | 2,748 |
| MI | Trenton Channel | 1745 | 9A | D017459A | 5,680 | 827 | 5,427 | 752 | 16,420 | 2,452 |
| MN | Black Dog | 1904 | 3, 4 | D01904CS1 | 1,068 | 2,017 | 1,182 | 1,703 | 2,952 | 5,618 |
| MN | Sherburne County | 6090 | 3 | D060903 | 3,375 | 1,401 | 2,397 | 1,041 | 7,925 | 3,260 |
| MN | Sherburne County | 6090 | 1, 2 | D06090CS1 | 4,005 | 2,442 | 356 | 1,847 | 12,292 | 8,524 |
| MO | Labadie | 2103 | 1 | D021031 | 4,232 | 646 | 2,594 | 556 | 14,464 | 2,400 |
| MO | Labadie | 2103 | 3 | D021033 | 4,484 | 681 | 2,407 | 489 | 14,285 | 2,427 |
| MO | Labadie | 2103 | 4 | D021034 | 4,415 | 675 | 2,433 | 471 | 14,799 | 2,504 |
| MO | Meramec | 2104 | 3 | D021043 | 1,635 | 491 | 1,225 | 424 | 4,428 | 1,549 |
| MO | New Madrid Power Plant | 2167 | 1 | D021671 | 2,549 | 4,681 | 2,090 | 1,747 | 7,887 | 6,018 |
| MO | New Madrid Power Plant | 2167 | 2 | D021672 | 2,456 | 3,522 | 2,131 | 1,364 | 7,070 | 2,624 |
| MO | Rush Island | 6155 | 1 | D061551 | 4,620 | 550 | 2,883 | 472 | 12,272 | 1,588 |
| MO | Rush Island | 6155 | 2 | D061552 | 4,822 | 530 | 2,815 | 452 | 15,764 | 1,853 |
| MO | Sibley | 2094 | 1, 2, 3 | D02094C01 | 6,947 | 1,028 | 3,702 | 1,609 | 13,872 | 2,460 |
| MO | Sikeston | 6768 | 1 | D067681 | 1,779 | 599 | 1,922 | 313 | 6,048 | 2,182 |
| MO | Thomas Hill Energy Center | 2168 | MB3 | D02168MB3 | 3,845 | 1,185 | 2,915 | 1,912 | 12,006 | 3,005 |
| NC | Belews Creek | 8042 | 1 | D080421 | 603 | 825 | 1,382 | 1,903 | 1,676 | 2,042 |
| NC | Belews Creek | 8042 | 2 | D080422 | 622 | 814 | 1,433 | 1,798 | 1,632 | 1,962 |
| NC | Cape Fear | 2708 | 6 | | 2,336 | 766 | - | - | 4,669 | 1,242 |
| NC | Cliffside | 2721 | 5 | D027215 | 420 | 342 | 382 | 673 | 308 | 710 |
| NC | H F Lee Steam Electric Plant | 2709 | 3 | D027093 | 3,184 | 763 | - | - | 7,011 | 1,725 |
| NC | L V Sutton | 2713 | 3 | D027133 | 4,554 | 1,487 | - | - | 8,792 | 2,841 |
| NC | L V Sutton | 2713 | 1, 2 | D02713C02 | 2,682 | 689 | - | - | 4,095 | 1,158 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| NC | Marshall | 2727 | 3 | D027273 | 658 | 422 | 1,313 | 1,105 | 1,291 | 828 |
| NC | Marshall | 2727 | 4 | D027274 | 635 | 1,606 | 833 | 1,664 | 1,291 | 828 |
| NC | Marshall | 2727 | 1,2 | x11 | 789 | 1,532 | 1,008 | 1,719 | 1,305 | 4,734 |
| NC | Mayo | 6250 | 1A,1B | D06250C05 | 3,478 | 769 | 1,612 | 1,235 | 7,198 | 1,502 |
| NC | Riverbend | 2732 | 9 | | 1,836 | 234 | - | - | 2,381 | 317 |
| NC | Roxboro | 2712 | 1 | D027121 | 786 | 643 | 1,005 | 451 | 1,649 | 1,096 |
| NC | Roxboro | 2712 | 2 | D027122 | 1,257 | 664 | 1,710 | 940 | 1,863 | 929 |
| NC | Roxboro | 2712 | 3A,3B | D02712C03 | 1,226 | 1,125 | 2,042 | 1,169 | 2,720 | 2,512 |
| NC | Roxboro | 2712 | 4A,4B | D02712C04 | 1,379 | 895 | 2,124 | 1,037 | 3,101 | 2,247 |
| NE | Nebraska City Station | 6096 | 1 | D060961 | 4,761 | 1,406 | 4,421 | 1,466 | 15,062 | 4,776 |
| NH | Merrimack | 2364 | 1 | D023641 | 4,113 | 390 | 244 | 421 | 8,130 | 1,016 |
| NH | Merrimack | 2364 | 2 | D023642 | 8,216 | 878 | 699 | 1,024 | 14,290 | 1,979 |
| NH | Newington | 8002 | 1 | D080021 | 2,127 | 390 | 1,566 | 989 | 304 | 118 |
| NH | Schiller | 2367 | 4 | | 597 | 162 | 498 | 145 | 878 | 234 |
| NH | Schiller | 2367 | 6 | | 603 | 165 | 502 | 124 | 827 | 218 |
| NJ | B L England | 2378 | 2,3 | x12 | 839 | 641 | 717 | 637 | 1,030 | 174 |
| NJ | B L England | 2378 | 1 | | 2,729 | 442 | - | - | 1,030 | 174 |
| NJ | Hudson Generating Station | 2403 | 2 | D024032 | 667 | 494 | 473 | 379 | 971 | 715 |
| NJ | Mercer Generating Station | 2408 | 1 | D024081 | 408 | 275 | 226 | 245 | 312 | 227 |
| NJ | Mercer Generating Station | 2408 | 2 | D024082 | 360 | 252 | 257 | 269 | 260 | 197 |
| NY | Cayuga Operating Company, LLC | 2535 | 1 (33%), 2 (33%) | D02535C01 | 7,104 | 902 | 2,075 | 434 | 10,492 | 1,828 |
| NY | CCI Roseton LLC | 8006 | 1 | D080061 | - | - | 1,795 | 764 | 142 | 19 |
| NY | CCI Roseton LLC | 8006 | 2 | D080062 | 719 | 415 | 2,048 | 864 | 138 | 12 |
| NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 1,364 | 372 | 28 | 369 | 1,658 | 424 |
| NY | Huntley Power | 2549 | 67,68 | D02549C01 | 2,179 | 612 | 1,363 | 289 | 4,882 | 1,229 |
| NY | Northport | 2516 | 3 | D025163 | 441 | 189 | 1,865 | 475 | 265 | 26 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 774 | 464 | 3,604 | 907 | 34 | 201 |
| NY | NRG Dunkirk Power | 2554 | 3 | D02554C03 | 1,022 | 304 | - | - | 2,104 | 651 |
| NY | Oswego Harbor Power | 2594 | 5 | D025945 | 4,462 | 1,053 | 1,855 | 1,028 | 258 | 55 |
| NY | Oswego Harbor Power | 2594 | 6 | x15 | 2,981 | 922 | 2,106 | 892 | 116 | 35 |
| NY | Somerset Operating Company (Kintigh) | 6082 | 1 | D060821 | 3,456 | 1,821 | 3,355 | 880 | 10,024 | 5,437 |
| OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 14,725 | 2,405 | 19,476 | 2,490 | 31,449 | 4,581 |
| OH | Cardinal | 2828 | 3 | D028283 | 8,107 | 504 | 645 | 591 | 20,299 | 982 |
| OH | Cardinal | 2828 | 1 | D028281 | 1,962 | 342 | 2,121 | 545 | 3,164 | 666 |
| OH | Cardinal | 2828 | 2 | D028282 | 1,418 | 368 | 1,907 | 577 | 1,649 | 574 |
| OH | Conesville | 2840 | 5,6 | D02840C06 | 1,398 | 2,713 | 1,976 | 2,059 | 1,880 | 7,426 |
| OH | Conesville | 2840 | 4 | D028504 | 1,018 | 549 | 1,453 | 580 | 1,803 | 1,027 |
| OH | Eastlake | 2837 | 1 | D028371 | 2,573 | 335 | 4,480 | 412 | 4,305 | 815 |
| OH | Eastlake | 2837 | 2 | D028372 | 2,482 | 304 | 3,641 | 352 | 3,057 | 509 |
| OH | Eastlake | 2837 | 3 | D028373 | 2,138 | 280 | 4,635 | 397 | 3,329 | 606 |
| OH | Eastlake | 2837 | 4,6 | x17 | 1,569 | 518 | - | - | 3,337 | 1,182 |
| OH | Eastlake | 2837 | 5 | D028375 | 11,449 | 1,722 | - | - | 34,805 | 5,329 |
| OH | Gen J M Gavin | 8102 | 1 | D081021 | 6,503 | 1,097 | 6,843 | 2,161 | 17,198 | 3,502 |
| OH | Gen J M Gavin | 8102 | 2 | D081022 | 6,587 | 1,125 | 6,407 | 1,934 | 16,063 | 3,471 |
| OH | J M Stuart | 2850 | 4 | D028404 | 2,667 | 900 | 1,306 | 808 | 1,578 | 1,031 |
| OH | J M Stuart | 2850 | 1 | D028501 | 957 | 581 | 1,494 | 713 | 967 | 962 |
| OH | J M Stuart | 2850 | 2 | D028502 | 559 | 750 | 1,317 | 833 | 686 | 830 |
| OH | J M Stuart | 2850 | 3 | D028503 | 1,001 | 745 | 2,066 | 927 | 990 | 1,058 |
| OH | Killen Station | 6031 | 2 | D060312 | 2,942 | 1,413 | 4,052 | 3,235 | 7,721 | 3,620 |
| OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 87,122 | 14,140 | 3,463 | 2,062 | 142,926 | 8,864 |
| OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 1,208 | 984 | 2,054 | 1,472 | 2,765 | 2,455 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 73 | 6 | 5,526 | 269 | 21,756 | 1,673 |
| OH | Miami Fort Power Station | 2832 | 8 | D028328 | 1,060 | 976 | 2,173 | 795 | 2,386 | 1,947 |
| OH | Muskingum River | 2872 | 5 | D028725 | 10,977 | 442 | 17,811 | 540 | 19,460 | 829 |
| OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 34,938 | 3,401 | 8,483 | 1,120 | 84,601 | 7,975 |
| OH | W H Sammis | 2866 | 5 | D028665 | 216 | 644 | 212 | 323 | 430 | 888 |
| OH | W H Sammis | 2866 | 6 | D02866M6A | 538 | 664 | 527 | 740 | 710 | 724 |
| OH | W H Sammis | 2866 | 7 | D028667 | 520 | 793 | 524 | 687 | 1,541 | 2,108 |
| OH | W H Sammis | 2866 | 1,2 | D02866C01 | 356 | 853 | 1,741 | 622 | 446 | 873 |
| OH | W H Sammis | 2866 | 3,4 | D02866C02 | 338 | 852 | 1,654 | 556 | 800 | 2,108 |
| OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 8,985 | 4,884 | 5,569 | 4,158 | 18,044 | 8,394 |
| OH | Walter C Beckjord Generating Station | 2830 | 6 | D028306 | 26,485 | 1,910 | - | - | 57,308 | 4,223 |
| OH | Walter C Beckjord Generating Station | 2830 | 5 (50%) | D02830M51 | 10,694 | 833 | - | - | 30,556 | 2,449 |
| OK | Grand River Dam Authority | 165 | 1 | D001651 | 4,240 | 2,208 | 3,282 | 15 | 14,789 | 7,594 |
| OK | Hugo | 6772 | 1 | D067721 | 2,751 | 805 | - | - | 9,272 | 2,729 |
| OK | Muskogee | 2952 | 5 | D029525 | 3,151 | 1,939 | 2,805 | 12 | 8,322 | 5,243 |
| OK | Muskogee | 2952 | 4 | | 3,341 | 2,258 | 2,231 | 38 | 9,417 | 5,749 |
| OK | Northeastern | 2963 | 3313, 3314 | D02963C10 | 6,123 | 4,836 | 4,621 | 1,513 | 17,887 | 15,760 |
| OK | Sooner | 6095 | 1 | | 3,367 | 1,895 | 2,618 | 12 | 9,464 | 5,447 |
| OK | Sooner | 6095 | 2 | D060952 | 3,266 | 1,937 | 2,685 | 12 | 9,630 | 5,679 |
| PA | Armstrong Power Station | 3178 | 1 | D031781 | 4,331 | 519 | 1 | 48 | 12,496 | 1,482 |
| PA | Armstrong Power Station | 3178 | 2 | D031782 | 4,247 | 552 | 1 | 34 | 13,243 | 1,625 |
| PA | Brunner Island | 3140 | 3 | D031403 | 3,387 | 2,637 | 2,878 | 2,530 | 9,311 | 9,019 |
| PA | Brunner Island | 3140 | 1,2 | D03140C12 | 2,966 | 2,291 | 3,049 | 2,271 | 3,625 | 3,444 |
| PA | Cheswick | 8226 | 1 | D082261 | 12,300 | 1,883 | 1,367 | 1,849 | 9,289 | 3,292 |
| PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 370 | 2,515 | - | - | 801 | 7,972 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| PA | Homer City | 3122 | 1 | D031221 | 15,950 | 1,084 | 21,155 | 2,907 | 41,849 | 2,624 |
| PA | Homer City | 3122 | 2 | D031222 | 15,967 | 1,323 | 18,664 | 2,624 | 37,348 | 2,768 |
| PA | Homer City | 3122 | 3 | D031223 | 1,970 | 1,451 | 2,598 | 2,951 | 4,390 | 3,623 |
| PA | Keystone | 3136 | 1 | D031361 | 8,739 | 3,285 | 5,843 | 3,153 | 21,834 | 9,616 |
| PA | Keystone | 3136 | 2 | D031362 | 8,706 | 3,261 | 5,594 | 3,096 | 24,598 | 11,145 |
| PA | Martins Creek | 3148 | 3,4 | x21 | 1,413 | 3,078 | 56 | 2,070 | 272 | 452 |
| PA | Montour | 3149 | 1 | D031491 | 3,574 | 2,874 | 2,934 | 2,763 | 8,281 | 6,513 |
| PA | Montour | 3149 | 2 | D031492 | 3,612 | 2,603 | 2,410 | 2,746 | 9,482 | 6,202 |
| PA | Portland | 3113 | 2 (1) | d031131 | 3,931 | 332 | - | - | 4,845 | 443 |
| PA | Portland | 3113 | 3 (2) | d031132 | 6,207 | 873 | - | - | 10,301 | 1,521 |
| PA | Shawville | 3131 | 1 | D031311 | 1,272 | 340 | 4,100 | 682 | 4,824 | 723 |
| PA | Shawville | 3131 | 2 | D031312 | 1,259 | 319 | 3,848 | 601 | 4,469 | 687 |
| PA | Shawville | 3131 | 3,4 | D03131CS1 | 7,751 | 980 | 7,305 | 1,059 | 15,885 | 2,115 |
| PA | Sunbury | 3152 | 3 | D031523 | 3,172 | 316 | - | - | 4,041 | 422 |
| PA | Sunbury | 3152 | 4 | D031524 | 3,638 | 333 | - | - | 5,763 | 555 |
| PA | Sunbury | 3152 | 1A, 1B | D03152CS1 | 2,566 | 251 | - | - | 2,288 | 368 |
| SC | Canadys Steam | 3280 | CAN3 | D03280CN3 | 3,840 | 669 | - | - | 7,200 | 1,201 |
| SC | H B Robinson | 3251 | 1 | D032511 | 2,661 | 873 | - | - | 4,514 | 1,606 |
| SC | Jefferies | 3319 | 3 | | 3,860 | 696 | - | - | 3,189 | 613 |
| SC | Jefferies | 3319 | 4 | | 3,847 | 713 | - | - | 3,308 | 581 |
| SC | McMeekin | 3287 | MCM1 | D03287MM1 | 1,211 | 288 | 785 | 259 | 3,501 | 898 |
| SC | McMeekin | 3287 | MCM2 | D03287MM2 | 1,270 | 268 | 863 | 273 | 3,717 | 908 |
| SC | Urquhart | 3295 | URQ3 | D03295UQ3 | 1,891 | 245 | 1 | 59 | 4,703 | 572 |
| SC | Wateree | 3297 | WAT1 | D03297WT1 | 4,638 | 654 | 122 | 380 | 1,648 | 126 |
| SC | Wateree | 3297 | WAT2 | D03297WT2 | 3,814 | 507 | 121 | 333 | 1,693 | 122 |
| SC | Williams | 3298 | WIL1 | D03298WL1 | 348 | 924 | 788 | 714 | 607 | 1,528 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| SC | Winyah | 6249 | 1 | D062491 | 147 | 252 | 134 | 216 | 275 | 663 |
| SC | Winyah | 6249 | 2,3,4 | x23 | 1,318 | 831 | 606 | 609 | 3,235 | 2,104 |
| TN | Cumberland | 3399 | 1 | | 1,901 | 803 | 1,639 | 1,084 | 3,836 | 1,932 |
| TN | Gallatin | 3403 | 1,2 | D03403C12 | 3,232 | 728 | 3,377 | 780 | 10,833 | 2,721 |
| TN | Gallatin | 3403 | 3,4 | D03403C34 | 3,633 | 834 | 5,122 | 3,199 | 12,404 | 3,201 |
| TN | John Sevier | 3405 | 1,2 | D03405C12 | 4,223 | 764 | - | - | 8,016 | 1,571 |
| TN | John Sevier | 3405 | 3,4 | D03405C34 | 4,117 | 768 | - | - | 7,194 | 1,525 |
| TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 14,104 | 2,868 | 8,473 | 768 | 36,572 | 7,775 |
| TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 6,500 | 420 | 473 | 372 | 14,331 | 856 |
| TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 7,050 | 384 | 488 | 344 | 11,716 | 636 |
| TX | Big Brown | 3497 | 1 | | 10,877 | 857 | 8,857 | 836 | 30,070 | 2,754 |
| TX | Big Brown | 3497 | 2 | | 11,425 | 857 | 8,496 | 857 | 34,127 | 3,040 |
| TX | H W Pirkey Power Plant | 7902 | 1 | | 5,029 | 1,308 | 1,300 | 1,139 | 7,255 | 4,279 |
| TX | Limestone | 298 | LIM1 | | 4,152 | 1,982 | 3,112 | 1,547 | 11,545 | 6,762 |
| TX | Limestone | 298 | LIM2 | | 4,467 | 2,119 | 3,896 | 1,655 | 13,470 | 7,410 |
| TX | Martin Lake | 6146 | 1 | | 8,164 | 1,598 | 5,744 | 1,308 | 24,728 | 5,570 |
| TX | Martin Lake | 6146 | 2 | | 7,645 | 1,317 | 4,384 | 1,218 | 24,436 | 5,021 |
| TX | Martin Lake | 6146 | 3 | | 6,989 | 1,371 | 5,440 | 1,254 | 19,767 | 4,590 |
| TX | Monticello | 6147 | 1 | | 6,393 | 838 | 5,860 | 701 | 21,897 | 2,695 |
| TX | Monticello | 6147 | 2 | | 6,022 | 740 | 6,630 | 713 | 18,436 | 2,259 |
| TX | Monticello | 6147 | 3 | | 5,353 | 1,299 | 3,098 | 1,262 | 14,103 | 4,284 |
| TX | Welsh Power Plant | 6139 | 1 | | 2,457 | 1,124 | 1,765 | 750 | 8,401 | 3,731 |
| TX | Welsh Power Plant | 6139 | 2 | | 2,520 | 987 | 1,808 | 753 | 8,386 | 3,327 |
| TX | Welsh Power Plant | 6139 | 3 | | 2,581 | 1,215 | 2,013 | 871 | 8,836 | 4,040 |
| VA | Bremo Power Station | 3796 | 4 | D037964 | 2,296 | 585 | 1 | 163 | 5,433 | 1,450 |
| VA | Chesapeake Energy Center | 3803 | 1 | D038031 | 1,248 | 624 | - | - | 2,211 | 1,273 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| VA | Chesapeake Energy Center | 3803 | 2 | D038032 | 1,736 | 574 | - | - | 2,426 | 1,389 |
| VA | Chesapeake Energy Center | 3803 | 3 | D038033 | 2,710 | 938 | - | - | 4,761 | 1,244 |
| VA | Chesapeake Energy Center | 3803 | 4 | D038034 | 3,876 | 918 | - | - | 7,850 | 2,080 |
| VA | Chesterfield Power Station | 3797 | 4 | D037974 | 2,898 | 611 | 328 | 91 | 5,723 | 752 |
| VA | Chesterfield Power Station | 3797 | 5 | D037975 | 22,382 | 2,536 | 469 | 155 | 7,386 | 1,603 |
| VA | Chesterfield Power Station | 3797 | 6 | D037976 | 793 | 375 | 986 | 295 | 1,266 | 884 |
| VA | Chesterfield Power Station | 3797 | (3),7,8A | x28 | 6,386 | 690 | - | 696 | 1,507 | 772 |
| VA | Clinch River | 3775 | 1,2 | D03775C02 | 2,698 | 838 | 2,517 | 1,133 | 3,621 | 1,011 |
| VA | Yorktown Power Station | 3809 | 3 | D038093 | 3,108 | 802 | 10,079 | 2,445 | 755 | 242 |
| VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 5,808 | 1,483 | 5,382 | 1,236 | 13,187 | 3,184 |
| WI | Columbia | 8023 | 1 | D080231 | 3,742 | 859 | 327 | 662 | 12,217 | 2,753 |
| WI | Columbia | 8023 | 2 | D080232 | 3,876 | 918 | 321 | 569 | 12,305 | 2,676 |
| WI | Edgewater (4050) | 4050 | 5 | | 2,598 | 624 | 2,410 | 141 | 8,340 | 1,735 |
| WI | Genoa | 4143 | 1 | | 1,442 | 406 | 157 | 272 | 3,296 | 702 |
| WI | Nelson Dewey | 4054 | 2 | | 2,978 | 438 | 685 | 287 | 5,819 | 1,659 |
| WI | South Oak Creek | 4041 | 7, 8 | D04041CS4 | 2,601 | 695 | 75 | 366 | 7,663 | 1,603 |
| WV | Albright Power Station | 3942 | 3 | D039423 | 3,040 | 363 | - | - | 5,034 | 587 |
| WV | Fort Martin Power Station | 3943 | 1 | D039431 | 934 | 1,893 | 1,149 | 1,441 | 1,915 | 5,631 |
| WV | Fort Martin Power Station | 3943 | 2 | D039432 | 854 | 1,653 | 1,295 | 1,384 | 2,038 | 5,502 |
| WV | Harrison Power Station | 3944 | 1 (25%), 2 (20%) | D03944C01 | 2,361 | 3,983 | 2,458 | 4,226 | 5,756 | 8,574 |
| WV | John E Amos | 3935 | 3 | D039353 | 1,106 | 996 | 1,330 | 1,387 | 1,968 | 1,875 |
| WV | John E Amos | 3935 | 1,2 | D03935C02 | 2,429 | 873 | 1,286 | 1,079 | 6,643 | 2,059 |
| WV | Kammer | 3947 | 1,2,3 | D03947C03 | 6,386 | 1,392 | 6,386 | 1,162 | 16,712 | 3,593 |
| WV | Kanawha River | 3936 | 1,2 | D03936C02 | 4,782 | 1,228 | 4,467 | 1,241 | 10,337 | 2,497 |
| WV | Longview Power | 56671 | 1 | | 1,232 | 431 | 615 | 428 | 2,733 | 1,791 |

| State | Facility Name | ORIS ID | Unit IDs | Stack CEMS Unit | 2011 SO2 95% (lb/hr) | 2011 NOx 95% (lb/hr) | 2015 SO2 95% (lb/hr) | 2015 NOx 95% (lb/hr) | 2011 SO2 Annual (ton/yr) | 2011 NOx Annual (ton/yr) |
|---|---|---|---|---|---|---|---|---|---|---|
| WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 2,042 | 778 | 1,820 | 1,154 | 4,518 | 2,282 |
| WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 959 | 859 | 959 | 830 | 2,298 | 2,370 |
| WV | Mountaineer (1301) | 6264 | 1 | D062641 | 1,193 | 701 | 2,055 | 1,252 | 2,009 | 2,352 |
| WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 4,078 | 1,003 | - | - | 11,041 | 2,065 |
| WV | Pleasants Power Station | 6004 | 1 | D060041 | 3,054 | 1,737 | 2,473 | 1,957 | 7,038 | 3,016 |
| WV | Pleasants Power Station | 6004 | 2 | D060042 | 2,719 | 1,228 | 2,288 | 2,780 | 5,995 | 2,423 |

## B.4 Industrial and Institutional Source Emissions

| State | Facility Name | Facility/ ORIS ID | Unit IDs | 2011 Typical $SO_2$ Emissions (lb/hr) | 2011 Typical NOx Emissions (lb/hr) |
|---|---|---|---|---|---|
| LARGE EMITTING STACKS | | | | | |
| IL | Aventine Renewable Energy Inc | 8065311 | 48 | 1,367.50 | 144 |
| IL | Aventine Renewable Energy Inc | 8065311 | 49 | 1,553.90 | 206.9 |
| IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | 742.3 | 63 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | 239.6 | 34.1 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | 285 | 38.2 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | 207.7 | 31 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | 207.4 | 27 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | 264.2 | 43.1 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | 453.7 | 789.3 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | 552.2 | 43.2 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | 178.3 | 208.6 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | 223.7 | 87.3 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | 394.2 | 292.5 |
| IN | BALL STATE UNIVERSITY | 4873211 | 1 | 511.5 | 61 |
| IN | BALL STATE UNIVERSITY | 4873211 | 2 | 511.5 | 61 |
| IN | Citizens Thermal | 4885311 | 1 | 536.9 | 113.3 |
| IN | Citizens Thermal | 4885311 | 4 | 498.5 | 212.2 |
| IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | 887.5 | 284.6 |
| IN | ESSROC Cement Corp | 8198511 | 15 | 772.3 | 576.3 |
| IN | Indiana Harbor East | 3986511 | 134 | 155.2 | 257.3 |
| IN | INDIANA UNIVERSITY | 4553211 | 2 | 337 | 76.8 |
| IN | INDIANA UNIVERSITY | 4553211 | 3 | 384.9 | 85.9 |
| IN | SABIC INNOVATIVE PLASTICS MT. VERNON LLC | 7364611 | 1 | 810.1 | 76.9 |
| IN | SABIC INNOVATIVE PLASTICS MT. VERNON LLC | 7364611 | 2 | 193.9 | 303 |
| IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | 1,053.30 | 227.6 |
| IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | 774.8 | 258.8 |
| IN | US STEEL GARY WORKS | 8192011 | 0 | 465.8 | 273.6 |
| IN | US STEEL GARY WORKS | 8192011 | 301 | 69.8 | 350.1 |
| KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | 998.3 | 2.7 |
| KY | E I Dupont Inc | 6096411 | 1 | 759.5 | 1.9 |
| KY | Isp Chemicals Inc. | 7365311 | 0AA | 987.9 | 113.9 |
| MA | SOLUTIA INCORPORATED | 7236411 | 5 | 314.9 | 165.9 |
| MD | Luke Paper Company | 7763811 | 3-0018 | 10,651.30 | 1,527.30 |
| MD | Luke Paper Company | 7763811 | 3-0019 | 10,505.50 | 1,468.80 |
| MD | Luke Paper Company | 7763811 | 6-0235 | 618.2 | 415.8 |
| MD | Naval Support Facility, Indian Head | 6117011 | 3-0006 | 346.1 | 79 |
| MD | Sparrows Point, LLC | 8239711 | 6-0939 | 231.2 | 56.8 |
| MD | Sparrows Point, LLC | 8239711 | 6-0941 | 416.6 | 368.7 |
| ME | SAPPI - SOMERSET | 8200111 | 1 | 369.9 | 754.3 |
| ME | SAPPI - SOMERSET | 8200111 | 37 | 13.2 | 276.3 |
| MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | 507 | 340.1 |
| MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | 221.7 | 227.9 |
| MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | 221.7 | 227.9 |

| State | Facility Name | Facility/ ORIS ID | Unit IDs | 2011 Typical $SO_2$ Emissions (lb/hr) | 2011 Typical NOx Emissions (lb/hr) |
|---|---|---|---|---|---|
| MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | 530.5 | 253.5 |
| NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | 605 | 256.2 |
| NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | 440.4 | 115.5 |
| NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | 1,011.50 | 352.6 |
| NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | 222.6 | 99.5 |
| NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | 442.7 | 153.5 |
| NC | DAK Americas LLC | 8122511 | ES-01 | 235.7 | 122.9 |
| NC | DAK Americas LLC | 8122511 | ES-02 | 235.7 | 122.9 |
| NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | 183.8 | 230.1 |
| NY | ALCOA MASSENA OPERATIONS (WEST PLANT) | 7968211 | SA398 | 1,189.00 | 19 |
| NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | 454.4 | 92.4 |
| NY | FINCH PAPER LLC | 8325211 | 12 | 121.9 | 627.1 |
| NY | INTERNATIONAL PAPER TICONDEROGA MILL | 7991711 | 44 | 473.7 | 203 |
| NY | KODAK PARK DIVISION | 8091511 | 4 | 1,021.90 | 612.9 |
| NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | 2,278.60 | 1,172.40 |
| NY | MORTON SALT DIV | 7814711 | 1 | 542.4 | 22.8 |
| OH | BDM Warren Steel Operations, LLC | 8063611 | 59727 | 408.8 | 0.7 |
| OH | Cargill, Incorporated - Salt Division (Akron, OH) (1677010027) | 7416411 | 250250 | 466.2 | 42 |
| OH | City of Akron Steam Generating | 8170411 | 253630 | 394.1 | 43.7 |
| OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | 490.2 | 176.7 |
| OH | Fluor-B&W Portsmouth LLC | 15485811 | 146164 | 341.3 | 40.3 |
| OH | Fluor-B&W Portsmouth LLC | 15485811 | 146165 | 362.3 | 40.9 |
| OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | 303 | 63.2 |
| OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | 358.6 | 66.2 |
| OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | 542.4 | 22.8 |
| OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | 537.8 | 23.2 |
| OH | P. H. Glatfelter Company - Chillicothe Facility (0671010028) | 8131111 | 147671 | 4,495.20 | 368.7 |
| OH | The Medical Center Company | 8252111 | 184509 | 609.9 | 57.5 |
| OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | 226.8 | 26 |
| PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | 255.50 | 50.5 |
| PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | 202.4 | 51.6 |
| PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | 404.2 | 25.8 |
| PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | 404.2 | 25.8 |
| PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | 472.9 | 329.3 |
| PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | 332.2 | 94.5 |
| PA | KEYSTONE PORTLAND CEMENT/EAST ALLEN | 6582211 | S73 | 477.1 | 401.6 |
| PA | Penn State Univ | 3186811 | S01 | 784.2 | 161.7 |
| PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | 72.5 | 534.3 |
| PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | 72.7 | 513.1 |

| State | Facility Name | Facility/ ORIS ID | Unit IDs | 2011 Typical $SO_2$ Emissions (lb/hr) | 2011 Typical NOx Emissions (lb/hr) |
|---|---|---|---|---|---|
| PA | SUNOCO INC (R&M)/MARCUS HOOK REFINERY | 7873611 | S60 | 497.9 | 266.4 |
| PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | 509.8 | 66.8 |
| PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | 232.9 | 13.8 |
| TN | Cargill Corn Milling | 5723011 | 8001 | 349.8 | 59.2 |
| TN | Cargill Corn Milling | 5723011 | 8301 | 307.9 | 54.2 |
| TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | 3,546.9 | 1,273.8 |
| TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | 303.8 | 385.2 |
| TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | 1,353.8 | 421.3 |
| TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | 354.3 | 206.5 |
| VA | GP Big Island LLC | 4183311 | 1 | 571.4 | 232.6 |
| VA | Huntington Ingalls Incorporated -NN Shipbldg Div | 4938811 | 1 | 362.9 | 61.0 |
| VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | 338.1 | 213.5 |
| VA | Radford Army Ammunition Plant | 5748611 | 1 | 687.4 | 297.8 |
| VA | Roanoke Cement Company | 5039811 | 4 | 456.6 | 393.3 |
| VA | Smurfit Stone Container Corporation - West Point | 4182011 | 2 | 4.5 | 319.7 |
| VA | Smurfit Stone Container Corporation - West Point | 4182011 | 4 | 32.4 | 280.9 |
| VA | Smurfit Stone Container Corporation - West Point | 4182011 | 7 | 412.2 | 32.3 |
| WV | BAYER CROPSCIENCE | 5782411 | 8 | 647.8 | 460.6 |
| WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | 419.0 | 490.6 |
| WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | 440.2 | 220.2 |
| ACCUMULATED EMISSIONS | | | | | |
| IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | 928.0 | 79.0 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | 289.9 | 381.9 |
| IN | Indiana Harbor East | 3986511 | | 523.4 | 923.8 |
| IN | INDIANA UNIVERSITY | 4553211 | | 329.7 | 74.3 |
| IN | SABIC INNOVATIVE PLASTICS MT. VERNON LLC | 7364611 | | 166.4 | 42.0 |
| IN | US STEEL GARY WORKS | 8192011 | | 464.8 | 476.7 |
| KY | Century Aluminum Sebree LLC | 7352311 | | 0.1 | 17.8 |
| MA | SOLUTIA INCORPORATED | 7236411 | | 0.0 | 0.0 |
| MD | Sparrows Point, LLC | 8239711 | | 420.5 | 752.1 |
| ME | FMC BIOPOLYMER | 5692011 | | 165.9 | 51.0 |
| ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | 139.8 | 35.0 |
| ME | Madison Paper | 5253911 | | 195.3 | 53.8 |
| ME | SAPPI - SOMERSET | 8200111 | | 0.0 | 0.0 |
| ME | THE JACKSON LABORATORY | 7945211 | | 4.2 | 63.0 |
| ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | 107.3 | 238.5 |
| ME | WOODLAND PULP LLC | 5974211 | | 116.4 | 371.7 |

| State | Facility Name | Facility/ ORIS ID | Unit IDs | 2011 Typical $SO_2$ Emissions (lb/hr) | 2011 Typical NOx Emissions (lb/hr) |
|---|---|---|---|---|---|
| MI | U S STEEL GREAT LAKES WORKS | 8483611 | | 889.8 | 256.9 |
| NC | KapStone Kraft Paper Corporation | 8048011 | | 61.2 | 52.0 |
| NH | DARTMOUTH COLLEGE | 7199811 | | 154.5 | 56.6 |
| NH | GORHAM PAPER & TISSUE LLC | 7866711 | | 63.5 | 21.4 |
| NJ | Atlantic County Utilities Authority Landfill | 8093211 | | 11.2 | 13.0 |
| NJ | Gerresheimer Moulded Glass | 12804611 | | 51.4 | 87.7 |
| NY | FINCH PAPER LLC | 8325211 | | 32.7 | 365.8 |
| NY | NORLITE CORP | 8090911 | | 62.3 | 40.3 |
| OH | AK Steel Corporation (1409010006) | 8008811 | | 467.2 | 523.2 |
| OH | BDM Warren Steel Operations, LLC | 8063611 | | 80.6 | 81.3 |
| OH | Youngstown Thermal (0250110024) | 7219511 | | 357.8 | 46.3 |
| PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | 178.9 | 56.4 |
| PA | PHILA ENERGY SOL REF/ PES | 6652211 | | 148.6 | 657.4 |
| PA | PPG IND INC/WORKS NO 6 | 6463511 | | 10.3 | 37.3 |
| PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | 301.0 | 55.2 |
| PA | USS/CLAIRTON WORKS | 8204511 | | 336.1 | 708.5 |
| TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | 217.3 | 315.3 |
| VA | Huntington Ingalls Incorporated -NN Shipbldg Div | 4938811 | | 39.7 | 89.4 |
| VA | Philip Morris Usa Inc - Park 500 | 5795511 | | 2.4 | 4.8 |
| VA | Smurfit Stone Container Corporation - West Point | 4182011 | | 4.9 | 320.3 |
| WV | DUPONT WASHINGTON WORKS | 4878911 | | 216.3 | 117.0 |

**(Return to Section 3.2 Stack, Emissions and Meteorology Inventories)**

# Appendix C

## C.1 Distances from EGU Facilities to Class 1 Areas

| EGU Emission Sources | | | Great Circle Mapper (mi) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | ACAD | BRIG | Great Gulf | Lye | Moose | Pres | Campo | Dolly | Otter | James River | Shen |
| AL | Colbert | 47 | 1,231 | 809 | 1,101 | 982 | 1,295 | 1,093 | 1,306 | 556 | 541 | 508 | 565 |
| AL | E C Gaston | 26 | 1,239 | 796 | 1,117 | 996 | 1,305 | 1,109 | 1,314 | 564 | 551 | 496 | 558 |
| AL | Greene County | 10 | 1,325 | 884 | 1,202 | 1,081 | 1,391 | 1,194 | 1,400 | 649 | 635 | 583 | 645 |
| AR | Flint Creek Power Plant | 6138 | 1,484 | 1,119 | 1,341 | 1,233 | 1,541 | 1,335 | 1,555 | 852 | 836 | 837 | 881 |
| AR | Independence | 6641 | 1,357 | 967 | 1,218 | 1,105 | 1,417 | 1,211 | 1,430 | 702 | 686 | 676 | 725 |
| AR | White Bluff | 6009 | 1,440 | 1,039 | 1,303 | 1,188 | 1,501 | 1,296 | 1,513 | 776 | 761 | 742 | 794 |
| CT | Bridgeport Harbor Station | 568 | 332 | 136 | 238 | 135 | 399 | 228 | 405 | 357 | 372 | 416 | 353 |
| CT | Middletown | 562 | 291 | 175 | 202 | 110 | 358 | 192 | 365 | 396 | 410 | 456 | 393 |
| CT | New Haven Harbor | 6156 | 316 | 151 | 225 | 127 | 383 | 216 | 389 | 373 | 389 | 432 | 370 |
| DE | Edge Moor | 593 | 488 | 65 | 384 | 266 | 555 | 374 | 562 | 211 | 226 | 259 | 198 |
| DE | Indian River | 594 | 536 | 74 | 446 | 333 | 604 | 436 | 609 | 224 | 238 | 239 | 188 |
| GA | Bowen | 703 | 1,133 | 688 | 1,012 | 892 | 1,199 | 1,004 | 1,207 | 459 | 447 | 389 | 451 |
| GA | Harllee Branch | 709 | 1,114 | 657 | 1,003 | 883 | 1,181 | 995 | 1,188 | 461 | 451 | 373 | 437 |
| GA | Jack McDonough | 710 | 1,129 | 680 | 1,011 | 890 | 1,195 | 1,003 | 1,204 | 460 | 448 | 384 | 447 |
| GA | Scherer | 6257 | 1,141 | 685 | 1,028 | 908 | 1,207 | 1,020 | 1,215 | 483 | 472 | 398 | 462 |
| GA | Yates | 889 | 1,164 | 715 | 1,046 | 925 | 1,230 | 1,038 | 1,238 | 494 | 482 | 419 | 482 |
| IA | George Neal North | 1091 | 1,412 | 1,164 | 1,266 | 1,182 | 1,457 | 1,262 | 1,474 | 918 | 905 | 952 | 970 |
| IA | George Neal South | 1091 | 1,412 | 1,164 | 1,265 | 1,182 | 1,457 | 1,262 | 1,474 | 918 | 905 | 952 | 970 |
| IA | Louisa | 6664 | 1,171 | 889 | 1,024 | 931 | 1,221 | 1,020 | 1,238 | 639 | 626 | 672 | 691 |
| IA | Ottumwa | 887 | 1,248 | 965 | 1,101 | 1,008 | 1,298 | 1,097 | 1,314 | 712 | 698 | 741 | 762 |
| IA | Walter Scott Jr. Energy Center | 1082 | 1,409 | 1,136 | 1,262 | 1,173 | 1,456 | 1,258 | 1,473 | 883 | 869 | 909 | 932 |
| IL | Baldwin Energy Complex | 876 | 1,194 | 837 | 1,051 | 942 | 1,251 | 1,045 | 1,265 | 570 | 554 | 569 | 606 |
| IL | Joliet 29 | 384 | 1,021 | 737 | 874 | 779 | 1,072 | 870 | 1,088 | 493 | 480 | 535 | 547 |
| IL | Joppa Steam | 887 | 1,180 | 800 | 1,041 | 928 | 1,240 | 1,034 | 1,253 | 532 | 517 | 517 | 561 |
| IL | Kincaid Generating Station | 876 | 1,135 | 806 | 990 | 887 | 1,190 | 985 | 1,205 | 544 | 529 | 560 | 588 |
| IL | Marion | 976 | 1,170 | 798 | 1,030 | 919 | 1,230 | 1,024 | 1,243 | 530 | 514 | 520 | 562 |
| IL | Newton | 6017 | 1,095 | 745 | 952 | 844 | 1,152 | 946 | 1,167 | 480 | 465 | 488 | 520 |
| IL | Powerton | 879 | 1,119 | 814 | 973 | 874 | 1,172 | 968 | 1,188 | 558 | 544 | 585 | 607 |
| IL | Wood River Power Station | 898 | 1,186 | 845 | 1,042 | 937 | 1,242 | 1,037 | 1,257 | 580 | 564 | 587 | 620 |
| IN | Alcoa Allowance Management Inc | 6705 | 1,084 | 707 | 944 | 831 | 1,143 | 938 | 1,156 | 439 | 423 | 431 | 471 |
| IN | Cayuga | 1001 | 1,025 | 695 | 881 | 776 | 1,081 | 875 | 1,096 | 435 | 421 | 459 | 482 |
| IN | Clifty Creek | 983 | 965 | 595 | 826 | 713 | 1,025 | 820 | 1,038 | 327 | 312 | 334 | 366 |
| IN | Gibson | 6113 | 1,089 | 724 | 948 | 837 | 1,147 | 941 | 1,161 | 456 | 441 | 456 | 492 |
| IN | IPL - Eagle Valley Generating Station | 991 | 989 | 643 | 847 | 738 | 1,047 | 841 | 1,061 | 380 | 365 | 399 | 424 |
| IN | IPL - Harding Street Station (EW Stout) | 990 | 972 | 630 | 829 | 721 | 1,029 | 823 | 1,043 | 369 | 354 | 393 | 415 |
| IN | IPL - Petersburg Generating Station | 994 | 1,059 | 695 | 918 | 807 | 1,118 | 912 | 1,131 | 427 | 412 | 430 | 464 |
| IN | Merom | 6213 | 1,054 | 703 | 912 | 803 | 1,112 | 906 | 1,126 | 438 | 423 | 449 | 479 |
| IN | Michigan City Generating Station | 997 | 957 | 677 | 810 | 714 | 1,008 | 805 | 1,024 | 439 | 427 | 489 | 496 |
| IN | R Gallagher | 1008 | 1,001 | 622 | 863 | 749 | 1,062 | 856 | 1,074 | 355 | 339 | 352 | 388 |
| IN | Rockport | 6166 | 1,069 | 691 | 930 | 817 | 1,129 | 924 | 1,142 | 423 | 408 | 415 | 455 |
| IN | Tanners Creek | 988 | 927 | 562 | 788 | 675 | 987 | 781 | 1,000 | 296 | 281 | 311 | 338 |
| IN | Wabash River Gen Station | 1010 | 1,036 | 696 | 893 | 786 | 1,093 | 887 | 1,107 | 433 | 419 | 451 | 478 |
| IN | Whitewater Valley | 1040 | 907 | 561 | 765 | 655 | 965 | 759 | 978 | 301 | 287 | 331 | 349 |
| IN | R M Schahfer Generating Station | 6085 | 973 | 678 | 827 | 728 | 1,026 | 822 | 1,041 | 433 | 420 | 476 | 487 |
| KS | La Cygne | 1241 | 1,423 | 1,091 | 1,277 | 1,175 | 1,476 | 1,272 | 1,492 | 826 | 811 | 829 | 865 |
| KS | Nearman Creek | 6064 | 1,402 | 1,085 | 1,255 | 1,157 | 1,454 | 1,250 | 1,470 | 822 | 807 | 832 | 865 |
| KS | Quindaro | 1295 | 1,399 | 1,082 | 1,253 | 1,154 | 1,452 | 1,248 | 1,467 | 819 | 804 | 829 | 861 |
| KS | Tecumseh Energy Center | 1252 | 1,448 | 1,133 | 1,301 | 1,203 | 1,499 | 1,296 | 1,515 | 870 | 855 | 879 | 911 |
| KY | Big Sandy | 1353 | 857 | 453 | 726 | 607 | 920 | 718 | 931 | 187 | 171 | 178 | 214 |
| KY | D B Wilson | 6823 | 1,088 | 701 | 951 | 836 | 1,149 | 944 | 1,162 | 434 | 418 | 419 | 462 |
| KY | E W Brown | 1355 | 966 | 570 | 832 | 715 | 1,029 | 825 | 1,040 | 303 | 288 | 288 | 330 |
| KY | East Bend | 6018 | 933 | 563 | 794 | 681 | 993 | 788 | 1,006 | 296 | 281 | 307 | 336 |
| KY | Ghent | 1356 | 947 | 574 | 808 | 695 | 1,007 | 802 | 1,020 | 307 | 291 | 314 | 345 |
| KY | Green River | 1357 | 1,093 | 705 | 956 | 841 | 1,154 | 949 | 1,167 | 438 | 422 | 421 | 465 |
| KY | H L Spurlock | 6041 | 892 | 509 | 756 | 640 | 953 | 749 | 965 | 242 | 226 | 250 | 279 |
| KY | John S. Cooper | 1384 | 992 | 579 | 861 | 742 | 1,055 | 853 | 1,066 | 319 | 304 | 286 | 336 |

| EGU Emission Sources | | | Great Circle Mapper (mi) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | ACAD | BRIG | Great Gulf | Lye | Moose | Pres | Campo | Dolly | Otter | James River | Shen |
| KY | Mill Creek | 1364 | 1,012 | 629 | 874 | 760 | 1,073 | 868 | 1,085 | 361 | 346 | 354 | 393 |
| KY | Paradise | 1378 | 1,091 | 699 | 954 | 839 | 1,152 | 947 | 1,164 | 433 | 417 | 414 | 459 |
| KY | Shawnee | 1379 | 1,178 | 796 | 1,039 | 926 | 1,238 | 1,033 | 1,251 | 529 | 513 | 513 | 557 |
| MA | Brayton Point | 1619 | 234 | 230 | 179 | 135 | 301 | 170 | 305 | 467 | 482 | 523 | 461 |
| MA | Canal Station | 1599 | 210 | 260 | 179 | 159 | 277 | 171 | 279 | 501 | 516 | 556 | 494 |
| MA | Salem Harbor Station | 1626 | 181 | 282 | 124 | 116 | 248 | 116 | 254 | 504 | 518 | 567 | 504 |
| MD | Brandon Shores | 602 | 555 | 117 | 447 | 327 | 622 | 438 | 629 | 151 | 166 | 192 | 131 |
| MD | C P Crane | 1552 | 541 | 107 | 433 | 314 | 608 | 424 | 615 | 161 | 176 | 205 | 144 |
| MD | Chalk Point | 1571 | 591 | 138 | 487 | 369 | 658 | 478 | 665 | 147 | 162 | 164 | 109 |
| MD | Dickerson | 1572 | 586 | 166 | 469 | 349 | 652 | 461 | 660 | 103 | 118 | 161 | 97 |
| MD | Herbert A Wagner | 1554 | 555 | 117 | 446 | 327 | 621 | 437 | 629 | 151 | 167 | 192 | 131 |
| MD | Morgantown | 1573 | 611 | 158 | 507 | 388 | 678 | 498 | 685 | 136 | 150 | 145 | 92 |
| ME | William F Wyman | 1507 | 102 | 370 | 66 | 151 | 166 | 65 | 176 | 576 | 590 | 646 | 582 |
| MI | Belle River | 6034 | 719 | 483 | 573 | 479 | 771 | 568 | 787 | 306 | 301 | 393 | 369 |
| MI | Dan E Karn | 1702 | 774 | 570 | 627 | 544 | 821 | 624 | 838 | 394 | 388 | 478 | 457 |
| MI | J H Campbell | 1710 | 901 | 661 | 753 | 665 | 949 | 750 | 966 | 446 | 436 | 512 | 507 |
| MI | Monroe | 1733 | 778 | 501 | 632 | 532 | 832 | 627 | 847 | 288 | 279 | 362 | 350 |
| MI | River Rouge | 1740 | 759 | 498 | 612 | 515 | 811 | 608 | 827 | 298 | 291 | 378 | 361 |
| MI | St. Clair | 1743 | 719 | 481 | 572 | 478 | 770 | 567 | 786 | 304 | 299 | 392 | 367 |
| MI | Trenton Channel | 1745 | 765 | 498 | 619 | 520 | 818 | 614 | 834 | 293 | 285 | 371 | 356 |
| MN | Black Dog | 1904 | 1,225 | 1,035 | 1,081 | 1,010 | 1,264 | 1,079 | 1,283 | 817 | 806 | 872 | 876 |
| MN | Sherburne County | 6090 | 1,252 | 1,075 | 1,109 | 1,042 | 1,289 | 1,107 | 1,308 | 862 | 851 | 919 | 922 |
| MO | Labadie | 2103 | 1,230 | 886 | 1,086 | 981 | 1,286 | 1,081 | 1,301 | 619 | 604 | 623 | 658 |
| MO | Meramec | 2104 | 1,211 | 861 | 1,068 | 961 | 1,268 | 1,062 | 1,282 | 594 | 579 | 595 | 631 |
| MO | New Madrid Power Plant | 2167 | 1,239 | 851 | 1,100 | 987 | 1,299 | 1,093 | 1,312 | 584 | 569 | 563 | 610 |
| MO | Rush Island | 6155 | 1,216 | 860 | 1,073 | 965 | 1,273 | 1,067 | 1,287 | 593 | 577 | 591 | 629 |
| MO | Sibley | 2094 | 1,376 | 1,058 | 1,230 | 1,131 | 1,429 | 1,225 | 1,444 | 795 | 780 | 805 | 837 |
| MO | Sikeston | 6768 | 1,228 | 846 | 1,089 | 976 | 1,288 | 1,082 | 1,301 | 579 | 564 | 562 | 607 |
| MO | Thomas Hill Energy Center | 2168 | 1,290 | 973 | 1,144 | 1,044 | 1,343 | 1,139 | 1,358 | 711 | 696 | 725 | 755 |
| NC | Belews Creek | 8042 | 833 | 378 | 722 | 602 | 899 | 713 | 906 | 195 | 189 | 96 | 158 |
| NC | Cape Fear | 2708 | 830 | 368 | 729 | 611 | 897 | 720 | 903 | 239 | 238 | 139 | 188 |
| NC | Cliffside | 2721 | 952 | 499 | 839 | 718 | 1,019 | 830 | 1,026 | 296 | 287 | 209 | 273 |
| NC | H F Lee Steam Electric Plant | 2709 | 808 | 346 | 715 | 599 | 875 | 706 | 880 | 263 | 264 | 170 | 204 |
| NC | L V Sutton | 2713 | 866 | 407 | 780 | 666 | 933 | 771 | 937 | 338 | 339 | 243 | 280 |
| NC | Marshall | 2727 | 902 | 447 | 790 | 670 | 968 | 782 | 976 | 254 | 246 | 161 | 225 |
| NC | Mayo | 6250 | 775 | 317 | 670 | 551 | 843 | 661 | 849 | 176 | 176 | 79 | 122 |
| NC | Riverbend | 2732 | 914 | 458 | 804 | 683 | 981 | 795 | 988 | 270 | 262 | 176 | 239 |
| NC | Roxboro | 2712 | 785 | 327 | 679 | 559 | 852 | 670 | 858 | 178 | 177 | 79 | 127 |
| NE | Nebraska City Station | 6096 | 1,418 | 1,134 | 1,271 | 1,180 | 1,467 | 1,267 | 1,483 | 878 | 863 | 899 | 925 |
| NH | Merrimack | 2364 | 180 | 298 | 81 | 79 | 244 | 72 | 254 | 498 | 512 | 568 | 505 |
| NH | Newington | 8002 | 152 | 315 | 86 | 113 | 218 | 79 | 227 | 526 | 540 | 593 | 530 |
| NH | Schiller | 2367 | 152 | 315 | 86 | 113 | 218 | 79 | 226 | 526 | 541 | 594 | 530 |
| NJ | B L England | 2378 | 478 | 17 | 388 | 277 | 546 | 378 | 551 | 253 | 268 | 286 | 229 |
| NJ | Hudson Generating Station | 2403 | 386 | 94 | 285 | 172 | 452 | 275 | 459 | 303 | 318 | 361 | 298 |
| NJ | Mercer Generating Station | 2408 | 438 | 57 | 336 | 221 | 505 | 327 | 511 | 258 | 273 | 310 | 248 |
| NY | Cayuga Operating Company, LLC | 2535 | 436 | 250 | 294 | 186 | 494 | 288 | 508 | 284 | 294 | 377 | 317 |
| NY | CCI Roseton LLC | 8006 | 346 | 151 | 234 | 117 | 411 | 225 | 420 | 332 | 347 | 401 | 337 |
| NY | Dynegy Danskammer | 2480 | 346 | 151 | 234 | 117 | 411 | 225 | 420 | 332 | 347 | 401 | 337 |
| NY | Huntley Power | 2549 | 541 | 342 | 395 | 298 | 594 | 390 | 610 | 272 | 277 | 373 | 323 |
| NY | Northport | 2516 | 349 | 118 | 257 | 152 | 416 | 247 | 423 | 343 | 358 | 400 | 337 |
| NY | NRG Dunkirk Power | 2554 | 570 | 336 | 425 | 323 | 625 | 420 | 640 | 238 | 241 | 339 | 292 |
| NY | Oswego Harbor Power | 2594 | 415 | 301 | 269 | 178 | 469 | 264 | 484 | 338 | 348 | 434 | 374 |
| NY | Somerset Operating Company (Kintigh) | 6082 | 519 | 350 | 372 | 281 | 571 | 368 | 587 | 300 | 306 | 401 | 350 |
| OH | Avon Lake Power Plant | 2836 | 723 | 429 | 579 | 474 | 779 | 574 | 794 | 222 | 215 | 304 | 285 |
| OH | Cardinal | 2828 | 692 | 338 | 556 | 440 | 753 | 549 | 765 | 109 | 102 | 195 | 172 |
| OH | Conesville | 2840 | 752 | 403 | 613 | 500 | 812 | 606 | 825 | 156 | 145 | 222 | 215 |
| OH | Eastlake | 2837 | 690 | 403 | 546 | 441 | 746 | 540 | 760 | 213 | 208 | 302 | 276 |
| OH | Gen J M Gavin | 8102 | 805 | 416 | 672 | 554 | 868 | 665 | 879 | 149 | 134 | 172 | 191 |
| OH | J M Stuart | 2850 | 888 | 504 | 753 | 637 | 950 | 746 | 962 | 236 | 220 | 242 | 272 |
| OH | Killen Station | 6031 | 877 | 492 | 741 | 625 | 938 | 734 | 950 | 224 | 208 | 232 | 261 |
| OH | Kyger Creek | 2876 | 806 | 417 | 673 | 556 | 869 | 666 | 880 | 150 | 134 | 172 | 191 |

| EGU Emission Sources | | | Great Circle Mapper (mi) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | ACAD | BRIG | Great Gulf | Lye | Moose | Pres | Campo | Dolly | Otter | James River | Shen |
| OH | Miami Fort Generating Station | 2832 | 924 | 559 | 784 | 672 | 983 | 778 | 997 | 293 | 278 | 309 | 335 |
| OH | Miami Fort Power Station | 2832 | 924 | 559 | 784 | 672 | 983 | 778 | 997 | 293 | 278 | 309 | 335 |
| OH | Muskingum River | 2872 | 762 | 390 | 627 | 510 | 823 | 619 | 835 | 130 | 117 | 184 | 185 |
| OH | W H Sammis | 2866 | 682 | 341 | 545 | 430 | 743 | 538 | 755 | 123 | 118 | 213 | 186 |
| OH | W H Zimmer Generating Station | 6019 | 905 | 530 | 768 | 653 | 966 | 761 | 978 | 263 | 247 | 274 | 302 |
| OH | Walter C Beckjord Generating Station | 2830 | 904 | 532 | 766 | 652 | 964 | 759 | 977 | 266 | 251 | 281 | 307 |
| OK | Grand River Dam Authority | 165 | 1,523 | 1,161 | 1,380 | 1,272 | 1,580 | 1,374 | 1,594 | 894 | 878 | 880 | 924 |
| OK | Hugo | 6772 | 1,605 | 1,216 | 1,465 | 1,353 | 1,664 | 1,458 | 1,678 | 951 | 936 | 922 | 973 |
| OK | Muskogee | 2952 | 1,538 | 1,170 | 1,395 | 1,287 | 1,595 | 1,389 | 1,609 | 903 | 887 | 886 | 931 |
| OK | Northeastern | 2963 | 1,535 | 1,178 | 1,391 | 1,285 | 1,591 | 1,385 | 1,605 | 911 | 895 | 900 | 942 |
| OK | Sooner | 6095 | 1,600 | 1,250 | 1,455 | 1,351 | 1,655 | 1,450 | 1,670 | 982 | 967 | 973 | 1,015 |
| PA | Armstrong Power Station | 3178 | 615 | 289 | 478 | 363 | 676 | 471 | 688 | 130 | 133 | 231 | 187 |
| PA | Brunner Island | 3140 | 521 | 133 | 403 | 282 | 586 | 394 | 595 | 159 | 174 | 228 | 164 |
| PA | Cheswick | 8226 | 643 | 298 | 507 | 391 | 704 | 500 | 716 | 106 | 106 | 205 | 166 |
| PA | Hatfield's Ferry Power Station | 3179 | 672 | 298 | 540 | 422 | 735 | 533 | 746 | 64 | 61 | 159 | 127 |
| PA | Homer City | 3122 | 616 | 267 | 482 | 365 | 678 | 475 | 690 | 102 | 107 | 202 | 156 |
| PA | Keystone | 3136 | 618 | 277 | 483 | 366 | 679 | 476 | 691 | 112 | 116 | 212 | 167 |
| PA | Martins Creek | 3148 | 425 | 104 | 312 | 192 | 491 | 303 | 500 | 255 | 270 | 321 | 257 |
| PA | Montour | 3149 | 482 | 167 | 354 | 234 | 546 | 346 | 556 | 199 | 212 | 283 | 220 |
| PA | Portland | 3113 | 419 | 110 | 305 | 185 | 485 | 296 | 494 | 260 | 275 | 327 | 264 |
| PA | Shawville | 3131 | 560 | 240 | 425 | 308 | 621 | 418 | 633 | 149 | 158 | 247 | 192 |
| PA | Sunbury | 3152 | 498 | 163 | 371 | 251 | 561 | 363 | 572 | 182 | 195 | 265 | 202 |
| SC | Canadys Steam | 3280 | 1,023 | 560 | 925 | 807 | 1,090 | 916 | 1,095 | 419 | 414 | 320 | 377 |
| SC | H B Robinson | 3251 | 933 | 471 | 832 | 714 | 1,001 | 823 | 1,006 | 324 | 319 | 224 | 281 |
| SC | Jefferies | 3319 | 991 | 529 | 896 | 779 | 1,058 | 887 | 1,063 | 403 | 399 | 302 | 357 |
| SC | McMeekin | 3287 | 991 | 530 | 886 | 766 | 1,058 | 877 | 1,064 | 360 | 353 | 264 | 325 |
| SC | Urquhart | 3295 | 1,049 | 588 | 943 | 823 | 1,116 | 934 | 1,122 | 413 | 405 | 319 | 381 |
| SC | Wateree | 3297 | 981 | 519 | 880 | 761 | 1,048 | 871 | 1,054 | 368 | 362 | 268 | 327 |
| SC | Williams | 3298 | 1,002 | 540 | 909 | 792 | 1,069 | 899 | 1,073 | 418 | 414 | 317 | 371 |
| SC | Winyah | 6249 | 965 | 504 | 874 | 758 | 1,032 | 865 | 1,036 | 395 | 392 | 294 | 345 |
| TN | Cumberland | 3399 | 1,155 | 753 | 1,020 | 903 | 1,217 | 1,013 | 1,229 | 490 | 474 | 460 | 510 |
| TN | Gallatin | 3403 | 1,101 | 690 | 968 | 850 | 1,164 | 961 | 1,175 | 429 | 414 | 394 | 446 |
| TN | John Sevier | 3405 | 947 | 513 | 824 | 703 | 1,012 | 815 | 1,022 | 270 | 257 | 212 | 270 |
| TN | Johnsonville | 3406 | 1,184 | 780 | 1,050 | 933 | 1,246 | 1,042 | 1,258 | 517 | 502 | 485 | 536 |
| TN | Kingston | 3407 | 1,035 | 606 | 909 | 789 | 1,099 | 901 | 1,109 | 357 | 343 | 304 | 362 |
| TX | Big Brown | 3497 | 1,729 | 1,322 | 1,592 | 1,477 | 1,790 | 1,585 | 1,802 | 1,063 | 1,048 | 1,022 | 1,078 |
| TX | H W Pirkey Power Plant | 7902 | 1,629 | 1,221 | 1,493 | 1,378 | 1,691 | 1,486 | 1,703 | 962 | 946 | 921 | 976 |
| TX | Limestone | 298 | 1,755 | 1,346 | 1,619 | 1,504 | 1,817 | 1,612 | 1,829 | 1,088 | 1,073 | 1,046 | 1,102 |
| TX | Martin Lake | 6146 | 1,642 | 1,232 | 1,506 | 1,390 | 1,703 | 1,499 | 1,715 | 973 | 958 | 931 | 987 |
| TX | Monticello | 6147 | 1,629 | 1,229 | 1,491 | 1,377 | 1,689 | 1,484 | 1,702 | 967 | 951 | 931 | 984 |
| TX | Welsh Power Plant | 6139 | 1,621 | 1,220 | 1,483 | 1,369 | 1,682 | 1,476 | 1,694 | 958 | 943 | 922 | 975 |
| VA | Bremo Power Station | 3796 | 694 | 242 | 585 | 465 | 760 | 576 | 768 | 109 | 115 | 64 | 46 |
| VA | Chesapeake Energy Center | 3803 | 671 | 211 | 584 | 471 | 738 | 575 | 742 | 228 | 238 | 182 | 167 |
| VA | Chesterfield Power Station | 3797 | 677 | 217 | 577 | 459 | 744 | 567 | 750 | 156 | 165 | 113 | 94 |
| VA | Clinch River | 3775 | 890 | 459 | 766 | 646 | 955 | 758 | 964 | 213 | 200 | 158 | 214 |
| VA | Yorktown Power Station | 3809 | 652 | 189 | 560 | 446 | 719 | 551 | 724 | 201 | 212 | 166 | 142 |
| WI | Columbia | 8023 | 1,052 | 828 | 905 | 823 | 1,096 | 902 | 1,114 | 606 | 595 | 663 | 665 |
| WI | Edgewater (4050) | 4050 | 964 | 750 | 818 | 737 | 1,009 | 815 | 1,027 | 540 | 530 | 605 | 601 |
| WI | Genoa | 4143 | 1,140 | 917 | 993 | 914 | 1,183 | 991 | 1,201 | 691 | 679 | 743 | 749 |
| WI | Nelson Dewey | 4054 | 1,141 | 895 | 994 | 909 | 1,187 | 990 | 1,204 | 660 | 647 | 705 | 716 |
| WI | South Oak Creek | 4041 | 982 | 739 | 835 | 748 | 1,029 | 831 | 1,046 | 515 | 503 | 572 | 574 |
| WV | Albright Power Station | 3942 | 673 | 281 | 544 | 425 | 736 | 536 | 747 | 34 | 34 | 132 | 97 |
| WV | Fort Martin Power Station | 3943 | 678 | 297 | 547 | 428 | 741 | 539 | 752 | 56 | 51 | 149 | 119 |
| WV | Harrison Power Station | 3944 | 708 | 319 | 578 | 458 | 771 | 570 | 782 | 58 | 46 | 133 | 117 |
| WV | John E Amos | 3935 | 809 | 406 | 679 | 560 | 873 | 672 | 884 | 139 | 124 | 143 | 171 |
| WV | Kammer | 3947 | 713 | 345 | 579 | 462 | 775 | 572 | 787 | 96 | 86 | 173 | 157 |
| WV | Kanawha River | 3936 | 802 | 389 | 675 | 555 | 866 | 667 | 877 | 126 | 111 | 116 | 149 |
| WV | Longview Power | 56671 | 679 | 299 | 548 | 429 | 742 | 540 | 753 | 56 | 52 | 149 | 120 |
| WV | Mitchell (WV) | 3948 | 714 | 345 | 579 | 462 | 776 | 572 | 787 | 95 | 85 | 172 | 156 |
| WV | Mount Storm Power Station | 3954 | 668 | 262 | 543 | 422 | 732 | 535 | 742 | 12 | 24 | 112 | 70 |
| WV | Mountaineer (1301) | 6264 | 795 | 406 | 662 | 545 | 858 | 655 | 869 | 139 | 124 | 166 | 182 |
| WV | Phil Sporn | 3938 | 795 | 406 | 662 | 545 | 858 | 655 | 869 | 139 | 123 | 165 | 181 |
| WV | Pleasants Power Station | 6004 | 752 | 370 | 619 | 501 | 814 | 611 | 826 | 107 | 93 | 158 | 159 |

## C.2 Distances from Industrial and Institutional Facilities to Class 1 Areas

| Industrial and Institutional Emission Sources | | | Great Circle Mapper (mi) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | ACAD | BRIG | Great Gulf | Lye | Moose | Pres | Campo | Dolly | Otter | James River | Shen |
| IL | Aventine Renewable Energy Inc | 8065311 | 1,118 | 813 | 972 | 873 | 1,171 | 967 | 1,187 | 557 | 543 | 585 | 606 |
| IL | Tate & Lyle Ingredients Americas L | 7793311 | 1,100 | 775 | 955 | 852 | 1,155 | 950 | 1,170 | 514 | 500 | 534 | 560 |
| IN | ALCOA INC. - WARRICK OPERATIOI | 8181811 | 1,083 | 706 | 944 | 831 | 1,143 | 937 | 1,156 | 439 | 423 | 431 | 471 |
| IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 970 | 688 | 823 | 727 | 1,021 | 818 | 1,037 | 448 | 435 | 496 | 504 |
| IN | BALL STATE UNIVERSITY | 4873211 | 919 | 588 | 776 | 669 | 976 | 770 | 990 | 333 | 319 | 368 | 383 |
| IN | Citizens Thermal | 4885311 | 969 | 629 | 826 | 718 | 1,026 | 820 | 1,040 | 368 | 353 | 392 | 414 |
| IN | ELI LILLY & COMPANY CLINTON LAI | 8223611 | 1,029 | 694 | 886 | 779 | 1,086 | 880 | 1,100 | 432 | 418 | 453 | 478 |
| IN | ESSROC Cement Corp | 8198511 | 992 | 616 | 853 | 740 | 1,052 | 847 | 1,065 | 348 | 333 | 348 | 383 |
| IN | Indiana Harbor East | 3986511 | 984 | 704 | 837 | 741 | 1,035 | 833 | 1,051 | 463 | 451 | 510 | 519 |
| IN | INDIANA UNIVERSITY | 4553211 | 1,003 | 650 | 862 | 752 | 1,062 | 856 | 1,075 | 385 | 370 | 399 | 427 |
| IN | SABIC INNOVATIVE PLASTICS MT. \ | 7364611 | 1,112 | 739 | 972 | 860 | 1,171 | 965 | 1,184 | 471 | 455 | 464 | 503 |
| IN | TATE & LYLE, LAFAYETTE SOUTH (33 | 7376411 | 985 | 664 | 840 | 736 | 1,040 | 834 | 1,055 | 409 | 395 | 442 | 459 |
| IN | UNIVERSITY OF NOTRE DAME DU L | 5552011 | 924 | 643 | 777 | 680 | 976 | 772 | 992 | 407 | 395 | 460 | 464 |
| IN | US STEEL GARY WORKS | 8192011 | 978 | 696 | 832 | 736 | 1,030 | 827 | 1,046 | 456 | 443 | 503 | 511 |
| KY | Century Aluminum Sebree LLC | 7352311 | 1,101 | 720 | 962 | 848 | 1,161 | 955 | 1,173 | 452 | 437 | 441 | 482 |
| KY | E I Dupont Inc | 6096411 | 850 | 456 | 717 | 599 | 912 | 709 | 924 | 189 | 173 | 194 | 223 |
| KY | Isp Chemicals Inc. | 7365311 | 1,163 | 776 | 1,024 | 911 | 1,223 | 1,018 | 1,236 | 509 | 494 | 491 | 536 |
| MA | SOLUTIA INCORPORATED | 7236411 | 262 | 213 | 162 | 71 | 328 | 152 | 336 | 417 | 432 | 484 | 420 |
| MD | Luke Paper Company | 7763811 | 648 | 250 | 522 | 401 | 712 | 514 | 722 | 33 | 45 | 132 | 84 |
| MD | Naval Support Facility, Indian Hea | 6117011 | 608 | 161 | 500 | 380 | 675 | 491 | 682 | 121 | 135 | 142 | 84 |
| MD | Sparrows Point, LLC | 8239711 | 551 | 114 | 443 | 323 | 618 | 434 | 625 | 154 | 170 | 196 | 135 |
| ME | FMC BIOPOLYMER | 5692011 | 44 | 423 | 107 | 208 | 109 | 110 | 118 | 634 | 648 | 703 | 639 |
| ME | HUHTAMAKI INC - WATERVILLE | 5691611 | 68 | 432 | 83 | 198 | 117 | 89 | 132 | 630 | 643 | 703 | 639 |
| ME | Madison Paper | 5253911 | 85 | 437 | 75 | 195 | 127 | 83 | 143 | 627 | 641 | 703 | 639 |
| ME | SAPPI - SOMERSET | 8200111 | 72 | 438 | 84 | 201 | 117 | 90 | 132 | 633 | 647 | 707 | 643 |
| ME | THE JACKSON LABORATORY | 7945211 | 4 | 467 | 151 | 256 | 63 | 155 | 70 | 682 | 696 | 750 | 686 |
| ME | VERSO PAPER - ANDROSCOGGIN M | 7764711 | 98 | 411 | 52 | 169 | 148 | 58 | 163 | 602 | 615 | 677 | 612 |
| ME | WOODLAND PULP LLC | 5974211 | 71 | 533 | 198 | 313 | 10 | 204 | 29 | 743 | 756 | 813 | 749 |
| MI | ESCANABA PAPER COMPANY | 8126511 | 922 | 782 | 779 | 717 | 959 | 778 | 977 | 611 | 604 | 691 | 674 |
| MI | St. Marys Cement, Inc. (U.S.) | 8160611 | 836 | 691 | 692 | 626 | 875 | 690 | 893 | 530 | 524 | 614 | 593 |
| MI | U S STEEL GREAT LAKES WORKS | 8483611 | 758 | 498 | 612 | 515 | 811 | 607 | 827 | 298 | 291 | 378 | 361 |
| NC | Blue Ridge Paper Products - Canto | 7920511 | 980 | 536 | 861 | 740 | 1,046 | 853 | 1,055 | 309 | 298 | 236 | 299 |
| NC | DAK Americas LLC | 8122511 | 866 | 406 | 779 | 665 | 933 | 769 | 936 | 334 | 335 | 239 | 277 |
| NC | KapStone Kraft Paper Corporation | 8048011 | 733 | 270 | 637 | 520 | 800 | 627 | 805 | 200 | 205 | 126 | 138 |
| NH | DARTMOUTH COLLEGE | 7199811 | 204 | 315 | 66 | 55 | 263 | 58 | 276 | 487 | 500 | 565 | 501 |
| NH | GORHAM PAPER & TISSUE LLC | 7866711 | 144 | 384 | 10 | 130 | 195 | 20 | 210 | 562 | 575 | 640 | 576 |
| NJ | Atlantic County Utilities Authority | 8093211 | 468 | 9 | 377 | 267 | 535 | 368 | 540 | 259 | 274 | 294 | 236 |
| NJ | Gerresheimer Moulded Glass | 12804611 | 487 | 36 | 390 | 276 | 554 | 381 | 560 | 232 | 248 | 270 | 211 |
| NY | ALCOA MASSENA OPERATIONS (W | 7968211 | 327 | 383 | 184 | 156 | 370 | 183 | 388 | 467 | 477 | 560 | 499 |
| NY | CARGILL SALT CO- WATKINS GLEN | 8176611 | 452 | 243 | 312 | 201 | 511 | 305 | 524 | 265 | 275 | 358 | 298 |
| NY | FINCH PAPER LLC | 8325211 | 277 | 272 | 137 | 33 | 335 | 130 | 348 | 418 | 431 | 499 | 435 |
| NY | INTERNATIONAL PAPER TICONDER | 7991711 | 256 | 314 | 110 | 57 | 310 | 105 | 325 | 455 | 467 | 538 | 474 |
| NY | KODAK PARK DIVISION | 8091511 | 474 | 312 | 328 | 233 | 528 | 323 | 543 | 301 | 308 | 399 | 343 |
| NY | LAFARGE BUILDING MATERIALS IN | 8105211 | 306 | 215 | 179 | 59 | 369 | 171 | 380 | 375 | 388 | 451 | 387 |
| NY | MORTON SALT DIV | 7814711 | 505 | 296 | 361 | 258 | 561 | 355 | 575 | 258 | 265 | 357 | 303 |
| NY | NORLITE CORP | 8090911 | 293 | 234 | 163 | 42 | 355 | 155 | 367 | 390 | 404 | 468 | 404 |
| OH | AK Steel Corporation (1409010006 | 8008811 | 891 | 533 | 751 | 639 | 950 | 744 | 963 | 270 | 255 | 296 | 316 |
| OH | BDM Warren Steel Operations, LL | 8063611 | 671 | 362 | 530 | 420 | 729 | 523 | 743 | 169 | 165 | 261 | 231 |
| OH | Cargill, Incorporated - Salt Divisio | 7416411 | 710 | 395 | 569 | 459 | 769 | 563 | 782 | 181 | 174 | 264 | 244 |
| OH | City of Akron Steam Generating (1 | 8170411 | 709 | 395 | 567 | 458 | 767 | 561 | 781 | 182 | 175 | 265 | 245 |
| OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 908 | 542 | 768 | 655 | 967 | 762 | 980 | 277 | 262 | 295 | 320 |
| OH | Fluor-B&W Portsmouth LLC (06660 | 15485811 | 843 | 463 | 707 | 591 | 905 | 700 | 917 | 196 | 181 | 216 | 238 |
| OH | Kraton Polymers U.S. LLC (0684010 | 8130511 | 771 | 389 | 637 | 520 | 833 | 630 | 845 | 124 | 109 | 167 | 173 |
| OH | Morton Salt, Inc. (0285020059) | 7997111 | 724 | 406 | 582 | 472 | 782 | 576 | 796 | 185 | 177 | 265 | 248 |
| OH | P. H. Glatfelter Company - Chillico | 8131111 | 831 | 460 | 694 | 579 | 892 | 687 | 904 | 195 | 181 | 225 | 242 |
| OH | The Medical Center Company (131 | 8252111 | 703 | 408 | 559 | 453 | 759 | 553 | 774 | 208 | 202 | 294 | 271 |
| OH | Youngstown Thermal (0250110024 | 7219511 | 666 | 352 | 526 | 415 | 725 | 519 | 739 | 158 | 155 | 252 | 221 |

| Industrial and Institutional Emission Sources | | | Great Circle Mapper (mi) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| State | Facility Name | Facility/ ORIS ID | ACAD | BRIG | Great Gulf | Lye | Moose | Pres | Campo | Dolly | Otter | James River | Shen |
| PA | AMER REF GROUP/BRADFORD | 6532511 | 547 | 285 | 405 | 296 | 605 | 399 | 619 | 205 | 211 | 306 | 254 |
| PA | APPLETON PAPERS/SPRING MILL | 7872711 | 586 | 224 | 457 | 337 | 649 | 449 | 660 | 102 | 113 | 198 | 142 |
| PA | HERCULES CEMENT CO LP/STOCKE | 3881611 | 434 | 104 | 320 | 200 | 500 | 311 | 508 | 246 | 261 | 313 | 249 |
| PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | 541 | 273 | 400 | 289 | 600 | 394 | 613 | 200 | 207 | 300 | 247 |
| PA | KEYSTONE PORTLAND CEMENT/EA | 6582211 | 441 | 106 | 326 | 206 | 506 | 317 | 515 | 239 | 254 | 306 | 242 |
| PA | Penn State Univ | 3186811 | 546 | 208 | 415 | 296 | 609 | 407 | 620 | 144 | 155 | 237 | 178 |
| PA | PHILA ENERGY SOL REF/ PES | 6652211 | 468 | 56 | 365 | 248 | 535 | 355 | 542 | 229 | 245 | 280 | 218 |
| PA | PPG IND INC/WORKS NO 6 | 6463511 | 540 | 157 | 418 | 297 | 605 | 410 | 614 | 138 | 153 | 214 | 151 |
| PA | SUNOCO INC (R&M)/MARCUS HO | 7873611 | 481 | 62 | 377 | 259 | 548 | 367 | 555 | 216 | 232 | 266 | 204 |
| PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | 566 | 223 | 435 | 316 | 629 | 427 | 641 | 127 | 138 | 223 | 167 |
| PA | UNITED REFINING CO/WARREN PL | 4966711 | 574 | 300 | 432 | 323 | 632 | 426 | 646 | 193 | 197 | 294 | 246 |
| PA | USS CORP/EDGAR THOMSON WOR | 7409311 | 651 | 299 | 516 | 399 | 712 | 509 | 724 | 97 | 97 | 195 | 158 |
| PA | USS/CLAIRTON WORKS | 8204511 | 654 | 299 | 520 | 403 | 716 | 513 | 728 | 92 | 91 | 189 | 153 |
| TN | Cargill Corn Milling | 5723011 | 1,321 | 916 | 1,185 | 1,069 | 1,382 | 1,178 | 1,394 | 654 | 639 | 619 | 672 |
| TN | EASTMAN CHEMICAL COMPANY | 3982311 | 923 | 488 | 800 | 679 | 988 | 792 | 997 | 247 | 234 | 186 | 245 |
| TN | PACKAGING CORPORATION OF AM | 4963011 | 1,237 | 821 | 1,105 | 987 | 1,300 | 1,097 | 1,311 | 564 | 549 | 522 | 577 |
| VA | GP Big Island LLC | 4183311 | 744 | 300 | 630 | 509 | 811 | 622 | 819 | 104 | 103 | 6 | 64 |
| VA | Huntington Ingalls Incorporated -N | 4938811 | 664 | 202 | 574 | 460 | 731 | 565 | 735 | 213 | 223 | 171 | 152 |
| VA | Philip Morris Usa Inc - Park 500 | 5795511 | 674 | 213 | 575 | 457 | 741 | 566 | 747 | 162 | 171 | 120 | 101 |
| VA | Radford Army Ammunition Plant | 5748611 | 809 | 369 | 691 | 570 | 875 | 683 | 884 | 144 | 135 | 67 | 128 |
| VA | Roanoke Cement Company | 5039811 | 774 | 333 | 657 | 536 | 840 | 648 | 848 | 115 | 108 | 31 | 92 |
| VA | Smurfit Stone Container Corporati | 4182011 | 647 | 185 | 550 | 433 | 714 | 541 | 719 | 173 | 184 | 145 | 115 |
| WV | BAYER CROPSCIENCE | 5782411 | 811 | 405 | 681 | 562 | 874 | 674 | 885 | 139 | 123 | 138 | 168 |
| WV | CAPITOL CEMENT - ESSROC MARTI | 4987611 | 603 | 193 | 482 | 361 | 668 | 474 | 677 | 78 | 93 | 150 | 87 |
| WV | DUPONT WASHINGTON WORKS | 4878911 | 773 | 390 | 639 | 522 | 835 | 632 | 847 | 126 | 111 | 167 | 175 |

**(Return to Section 4.0 Mane-VU Modeling Results)**

# Appendix D

## D.1 Assumptions for EGUs

This section highlights specific EGU assumptions mentioned in the Stack Parameter Development section. All Parameter, and Emission assumptions are listed along with their resulting alterations. In cases that emission vales were zero and the facility was deemed to be closed or not operating they are listed below under 'Facilities that did not Contain Emission Data'. These facilities or EGUs specifically were not run for the year it applies to.

**Emission Source Parameter Assumptions and Alterations:**

- Alabama, Greene County, Unit(s) 1: This site was artificially pulled inside the modeling domain. The actual y coordinate was 55 km outside the domain; for modeling, the y coordinate was changed to 0 km, placing it on the edge of the domain.
- Connecticut, New Haven Harbor, Unit(s) NHB1: This exhaust flow was assumed to be wrong in MARAMA inventory. An exhaust flow of 30.0 was used in order to continue the baseline of Vermont's 2002 CALPUFF modeling.
- Indiana, Alcoa Allowance Management Inc, Unit(s) 1, 2,3: The MARAMA inventory did not contain stack height, base elevation, stack diameter, or exit temp. These values were assumed to be the same as Alcoa Unit 4, as all parameters were available for this unit.
- Tennessee, Kingston, Unit(s) 1-5: The MARAMA inventory had four different stacks for each EGU. The stack with the tallest height, the highest velocity, and highest emissions was used. The EGUs were combined to the chosen stack.
- Tennessee, Kingston, Unit(s) 6-9: The MARAMA inventory had four different stacks for each EGU. The stack with the tallest height, the highest velocity, and highest emissions was used. The EGUs were combined to the chosen stack.
- Texas, All Facilities, Unit(s) All: All sites were outside the modeling domain. The site's x and y coordinates were artificially changed to bring the site into the modeling domain. The x and y coordinates of (381.216, 10.001) were used, placing all the Texas EGUs in the northeastern-most corner of Texas.
- Wisconsin, Columbia, Unit(s) 1: The MARAMA inventory contained an exhaust flow of 1.5 m/s which was assumed to be inaccurate; therefore the Columbia Unit 2 exhaust flow was used for this unit.
- Base elevations were not included in the MARAMA Beta Inventory; Google Earth was used to find these elevations using the provided latitude/longitude coordinates.
- When stack temperatures were deemed to be inaccurate or missing, NHDES assumed a baseline of 422 degrees K; this value was used to be consistent with the 2002 modeling process completed by VTDEC.

**Emission Assumptions and Alterations:**

- Georgia, Harllee Branch, Unit(s) 1, 2: The CAMD database did not include unit 1 emissions for 2015; this stack will be modeling only unit 2 for 2015. The emission data for 2015 are also only for quarters one and two.

- Georgia, Harllee Branch, Unit(s) 3, 4: The CAMD database only include emissions for January to June 2015.
- Georgia, Yates, Unit(s); Y5BR: The CAMD database only includes emissions for quarters one and two.
- Indiana, Gallagher, Unit(s) 1, 2: The CAMD database did not include unit 1 emissions in 2015, this stack will only be modeling unit 2 in 2015.
- Indiana, Gallagher, Unit(s) 3, 4: The CAMD database only includes emissions for unit 4 in 2015, this stack will only be modeling unit 4 in 2015.
- Indiana, Tanners Creek, Unit(s) U1, U2, U3: The CAMD database only includes emissions for quarters one and two for 2015.
- Kentucky, Shawnee, Unit(s) 6-10: The CAMD database did not include unit 10 emissions in 2015, this stack will only be modeling units 6-9 in 2015.
- Minnesota, Sherburne County, Unit(s) 3: The CAMD database only included emissions for January through September in 2015.
- Ohio, Miami Fort Generating Station, Unit(s) 5-1, 5-2, 6: The CAMD database did not include data for 5-1, or 5-2 in 2015, this stack will only be modeling unit 6 for 2015.
- Ohio, Muskingum River, Unit(s) 1-4: The CAMD database only included emissions for quarters one and two for 2015
- Tennessee, Johnsonville, Unit(s) 1-10: The CAMD database did include emissions for units 5-10 in 2015, this stack will only model units 1-4 in 2015.
- Indiana, Gallagher, Unit(s) 3, 4: The CAMD database did not include unit 3 emissions in 2015, this stack will only be modeling unit 4 in 2015.
- Indiana, Tanners Creek, Unit(s) U1, U2, U3: The CAMD database only includes emissions for quarters one and two for 2015.
- Kentucky, Shawnee, Unit(s) 6-10: The CAMD database did not include unit 10 emissions in 2015, this stack will only be modeling units 6-9 in 2015.
- Minnesota, Sherburne County, Unit(s) 3: The CAMD database only included emissions for January through September in 2015.
- Ohio, Miami Fort Generating Station, Unit(s) 5-1, 5-2, 6: The CAMD database did not include 5-1, or 5-2 emissions in 2015, this stack will only be modeling unit 6 in 2015.
- Ohio, Muskingum River, Unit(s) 1-4: The CAMD database only included emissions for quarters one and two for 2015
- Tennessee, Johnsonville, Unit(s) 1-10: The CAMD database did include emissions for units 5-10 in 2015, this stack will only model units 1-4 in 2015.

**Facilities that did not Contain Emission Data:**

- **2011 Emissions**
  - New York, CCI Roseton LLC, Unit(s) 1
- **2015 Emissions**
  - Georgia, Jack McDonough, Unit(s) MB1, MB2
  - Massachusetts, Salem Harbor Station, Unit(s) 3
  - Massachusetts, Salem Harbor Station, Unit(s) 1
  - North Carolina, Cape Fear, Unit(s) 6

- North Carolina, H F Lee Steam Electric Plant, Unit(s) 3
- North Carolina, L V Sutton, Unit(s) 3
- North Carolina, L V Sutton, Unit(s) 1, 2
- North Carolina, Riverbend, Unit(s) 9
- New Jersey, B L England, Unit(s) 1
- New York, NRG Dunkirk Power, Unit(s) 3
- Ohio, Eastlake, Unit(s) 4,6
- Ohio, Eastlake, Unit(s) 5
- Ohio, Walter C Beckjord Generating Station, Unit(s) 6
- Ohio, Walter C Beckjord Generating Station, Unit(s) 5 (50%)
- Oklahoma, Hugo, Unit(s) 1
- Pennsylvania, Hatfield's Ferry Power Station, Unit(s) 3
- Pennsylvania, Portland, Unit(s) 2 (1)
- Pennsylvania, Portland, Unit(s) 3 (2)
- Pennsylvania, Sunbury, Unit(s) 3
- Pennsylvania, Sunbury, Unit(s) 4
- Pennsylvania, Sunbury, Unit(s) 1A, 1B
- South Carolina, Canadys Steam, Unit(s) CAN3
- South Carolina, H B Robinson, Unit(s) 1
- South Carolina, Jefferies, Unit(s) 3
- South Carolina, Jefferies, Unit(s) 4
- Tennessee, John Sevier, Unit(s) 1,2
- Tennessee, John Sevier, Unit(s) 3,4
- Virginia, Chesapeake Energy Center, Unit(s) 1
- Virginia, Chesapeake Energy Center, Unit(s) 2
- Virginia, Chesapeake Energy Center, Unit(s) 3
- Virginia, Chesapeake Energy Center, Unit(s) 4
- Virginia, Chesterfield Power Station, Unit(s) (3),7,8A
- West Virginia, Albright Power Station, Unit(s) 3
- West Virginia, Phil Sporn, Unit(s) 11,21,31,41

## D.2 Assumptions for ICIs

This section highlights specific ICI boiler assumptions mentioned in the Stack Parameter Development section. Emissions and stack parameters were primarily obtained through the MARAMA 2011 base year emission inventory. Emissions information were generally complete, however there were a large number of emission units with missing hours of operation. Since this CALPUFF modeling study focuses on daily emissions, reasonable assumptions needed to be made in order to develop typical hourly emissions from the available annual data.

**Emission Unit Methodology for Filling Missing Hours of Operation:**

1. When hours of operation were available for a unit, they were used (1661 of 3329 units)
2. When hours of operation were available for other units at the same facility, a typical value was assumed for units with missing data

| Facility | Hours |
|---|---|
| Atlantic County Utilities Authority Landfill | 4000 |
| BAYER CROPSCIENCE | 5289 |
| DUPONT WASHINGTON WORKS | 6984 |
| ESCANABA PAPER COMPANY | 8472 |
| HUHTAMAKI INC - WATERVILLE | 5849 |
| Kraton Polymers U.S. LLC | 5994 |
| MADISON PAPER INDUSTRIES | 3014 |
| U S STEEL GREAT LAKES WORKS | 8328 |
| WOODLAND PULP LLC | 8046 |

3. When hours of operation for a specific SCC code from other a representative value was assumed for units with missing data

| Facility | Hours |
|---|---|
| Indiana Harbor East | SCC Max[A,B] |
| EASTMAN CHEMICAL COMPANY | SCC Max[B] |

*Notes:*

*[A] – Since this is a large industrial facility with relatively high emissions, SCC maximum hours were used with the exception of one unit that had a low SCC maximum of 36 hours. Instead, 8400 hours were used to be more consistent with general facility operations.*

*[B] –Additional units with no comparable SCC operating information were allocated according to the following steps.*

4. The following 27 facilities with annual $SO_2$+NOx emissions less than 3000 tons were applied 4000 hours per year of operation to units with missing data

| Facility | NOx | SO2 | NOx+SO2 |
|---|---|---|---|
| ALCOA MASSENA OPERATIONS (WEST PLANT) | 196 | 2,468 | 2,664 |
| Atlantic County Utilities Authority Landfill | 11 | 22 | 32 |
| BALL STATE UNIVERSITY | 251 | 2,046 | 2,297 |
| CARGILL SALT CO- WATKINS GLEN PLANT | 185 | 909 | 1,094 |
| DARTMOUTH COLLEGE | 113 | 309 | 422 |
| E I Dupont Inc | 4 | 1,519 | 1,523 |
| ELI LILLY & COMPANY CLINTON LABS | 593 | 1,775 | 2,368 |
| ESSROC CEMENT CORP | 1,153 | 1,545 | 2,697 |
| FINCH PAPER LLC | 1,829 | 310 | 2,138 |
| Gerresheimer Moulded Glass | 252 | 103 | 355 |
| GORHAM PAPER & TISSUE LLC | 43 | 127 | 170 |
| GP Big Island LLC | 481 | 1,143 | 1,624 |
| Huntington Ingalls Incorporated -NN Shipbldg Div | 301 | 805 | 1,106 |
| INDIANA UNIVERSITY | 326 | 1,444 | 1,769 |
| INTERNATIONAL PAPER TICONDEROGA MILL | 699 | 1,046 | 1,745 |
| Isp Chemicals Inc. | 288 | 1,976 | 2,264 |
| MORTON SALT DIV | 213 | 1,333 | 1,545 |
| NORLITE CORP | 81 | 125 | 206 |
| PHILA ENERGY SOL REF/ PES | 1,315 | 297 | 1,612 |
| Philip Morris Usa Inc - Park 500 | 438 | 681 | 1,119 |
| SAPPI - SOMERSET | 2,061 | 766 | 2,828 |
| Smurfit Stone Container Corporation - West Point | 1,906 | 908 | 2,814 |
| SOLUTIA INCORPORATED | 332 | 630 | 962 |
| TATE & LYLE, LAFAYETTE SOUTH | 491 | 2,297 | 2,788 |
| THE JACKSON LABORATORY | 13 | 20 | 33 |
| UNIVERSITY OF NOTRE DAME DU LAC | 579 | 1,644 | 2,223 |
| VERSO PAPER - ANDROSCOGGIN MILL | 929 | 450 | 1,378 |

5. The following 14 facilities with annual $SO_2$+Nox emissions greater than 3000 tons were applied 8400 hours per year of operation to units with missing data

| Facility | NOx | SO2 | NOx+SO2 |
|---|---|---|---|
| ALCOA INC. - WARRICK OPERATIONS | 332 | 3,898 | 4,229 |
| ArcelorMittal Burns Harbor Inc. | 8,289 | 13,843 | 22,132 |
| Cargill Corn Milling | 567 | 3,007 | 3,574 |
| Century Aluminum Sebree LLC | 75 | 4,193 | 4,268 |
| Citizens Thermal | 1,423 | 4,349 | 5,771 |
| EASTMAN CHEMICAL COMPANY | 9,113 | 22,024 | 31,138 |
| Indiana Harbor East | 4,813 | 2,874 | 7,687 |
| KODAK PARK DIVISION | 2,593 | 4,292 | 6,885 |

| | | | |
|---|---|---|---|
| LAFARGE BUILDING MATERIALS INC | 4,926 | 9,570 | 14,496 |
| PACKAGING CORPORATION OF AMERICA | 1,534 | 2,401 | 3,935 |
| Radford Army Ammunition Plant | 1,274 | 2,888 | 4,162 |
| Roanoke Cement Company | 1,652 | 1,918 | 3,570 |
| SABIC INNOVATIVE PLASTICS MT. VERNON LLC | 1,799 | 4,916 | 6,714 |
| US STEEL GARY WORKS | 4,313 | 4,202 | 8,515 |

**(Return to Section 3.2 Stack, Emissions and Meteorology Inventories)**

# Appendix E

## E.1 Output Processing Calculations

CALPUFF was run for each facility emissions scenario for all Class 1 areas simultaneously. Maximum SO4 and NO3 ion concentrations were extracted for each receptor location. Since several receptor locations were modeled for each Class 1 area, the maximum concentration receptor for each class 1 area was selected for further post-processing. These maximum 24-hour SO4 and NO3 ion concentrations for the calendar year modeled, and are presented as-is along with other pertinent information. For the purpose of better understanding the combined influence of sulfates and nitrates on class 1 area visibility, facility emission impacts for extinction and delta DV calculations are also provided. Calculations for visual extinction ($b_{ext}$) and deciviews (DV) follow updated visibility reconstruction equations. Steps include:

1. Modeled ion concentrations are converted to $(NH_4)2SO_4$ (132.14 g/mole) and $NH_4NO_3$ (80.052 g/mole). All concentration units are in micrograms per cubic meter (µg/m$^3$).
2. f(RH) values for were extracted from guidance for the month of July. July was chosen as a representative month during the summer season which has a high percentage of 20% worst visibility days.
3. Large and small sulfate and nitrate concentrations for facility emissions are calculated according to FLAG guidance. [X ] indicates concentration of species X :

   [facility large sulfate] = ([facility total sulfate] / 20) x [facility total sulfate][1]

   [facility small sulfate] = [facility total sulfate] - [facility large sulfate]

4. Facility visibility extinctions (inverse megameters – Mm$^{-1}$)are calculated as:

   $b_{ext}$(facility) = $b_{ext}$(facility large sulfate) + $b_{ext}$(facility small sulfate) + $b_{ext}$(facility large nitrate) + $b_{ext}$(facility small nitrate)

   Where:

   $b_{ext}$(facility large sulfate) = 4.8 x $f_L$(RH) x [ facility large sulfate]

   $b_{ext}$(facility small sulfate) = 2.2 x $f_S$(RH) x [facility small sulfate]

   $b_{ext}$(facility large nitrate) = 5.1 x $f_L$(RH) x [facility large nitrate] and

   $b_{ext}$(facility small nitrate) = 2.4 x $f_S$(RH) x [facility small nitrate]

[1] In all cases, average background sulfate particle concentrations [bkgr sulfate] at Class 1 areas for best and worst visibility days was below 20µg/m$^3$, thus only the applicable large/small division equation is presented here.

5. Relative 2011 baseline extinction values for each Class 1 area were extracted from the 2011 IMPROVE dataset. Averages of extinctions for the best and worst 20% DV days at each area are summarized in the table below and represented as:

   $b_{ext}$(2011 avg 20%worst) and

   $b_{ext}$(2011 avg 20%best)

6. Facility cause extinction is added to the 2011 baseline extinction to facilitate delta-deciview calculations for best and worst visibility days as follows:

   $\Delta DV_W = 10\ln((b_{ext}(\text{facility}) + b_{ext}(\text{2011 avg 20\%worst}))/10) - 10\ln(b_{ext}(\text{2011 avg 20\%worst}))/10)$

   $\Delta DV_B = 10\ln((b_{ext}(\text{facility}) + b_{ext}(\text{2011 avg 20\%best}))/10) - 10\ln(b_{ext}(\text{2011 avg 20\%best}))/10)$

Table 2: Class 1 Area Humidity Parameters and Average 2011 IMPROVE Background Sulfate Concentrations and Extinctions on 20% Worst and Best Days[2]

| July Values | 2010 FLAG Guidance | | | [bkgr SO4 (avg 20% W)] | [bkgr SO4 (avg 20% B)] | $b_{ext}$ (avg 20%W) | $b_{ext}$ (avg 20%B) |
|---|---|---|---|---|---|---|---|
| | $f_L$(RH) | $f_S$(RH) | $f_{SS}$(RH) | ug/m3 | ug/m3 | 1/Mm | 1/Mm |
| Acadia | 2.99 | 4.28 | 4.19 | 3.17 | 0.53 | 68.11 | 21.20 |
| Moosehorn | 2.83 | 3.98 | 3.98 | 2.93 | 0.48 | 57.93 | 20.20 |
| Campobello | 2.82 | 3.95 | 3.96 | 2.93 | 0.48 | 57.93 | 20.20 |
| Great Gulf | 2.72 | 3.76 | 3.85 | 0.26 | 0.52 | 70.34 | 19.03 |
| Presidential dry river | 2.78 | 3.86 | 3.92 | 0.26 | 0.52 | 70.34 | 19.03 |
| Lyebrook | 2.60 | 3.52 | 3.70 | 4.42 | 0.44 | 72.67 | 17.35 |
| Brigantine | 2.69 | 3.68 | 3.84 | 6.01 | 1.26 | 135.08 | 36.71 |
| Dolly sods | 2.74 | 3.78 | 3.91 | 8.49 | 1.03 | 122.11 | 24.62 |
| Otter creek | 2.80 | 3.88 | 3.98 | 8.49 | 1.03 | 122.11 | 24.62 |
| Shenendoah | 2.65 | 3.59 | 3.78 | 6.98 | 0.90 | 107.55 | 22.77 |
| James river face | 2.65 | 3.59 | 3.79 | 6.73 | 1.68 | 117.27 | 32.82 |

[2] Because the IMPROVE monitoring network does not include Roosevelt Campobello, Presidential Dry River, and Otter Creek, IMPROVE measured data from nearby Class 1 areas are deemed representative, including; Moosehorn, Great Gulf and Dolly Sods, respectively.

$$
\begin{aligned}
b_{ext} = \; & 2.2 \times f_S(RH) \times [\text{Small Sulfate}] + 4.8 \times f_L(RH) \times [\text{Large Sulfate}] \\
& + 2.4 \times f_S(RH) \times [\text{Small Nitrate}] + 5.1 \times f_L(RH) \times [\text{Large Nitrate}] \\
& + 2.8 \times [\text{Small Organic Mass}] + 6.1 \times [\text{Large Organic Mass}] \\
& + 10 \times [\text{Elemental Carbon}] \\
& + 1 \times [\text{Fine Soil}] \\
& + 0.6 \times [\text{Coarse Mass}] \\
& + 1.7 \times f_{SS}(RH) \times [\text{Sea Salt}] \\
& + \text{Rayleigh Scattering (Site Specific)} \\
& + 0.33 \times [NO_2\ (\text{ppb})] \;\; \{\text{or as: } 0.1755 \times [NO_2\ (\mu g/m^3)]\}
\end{aligned}
$$

Where:

[ ] indicates concentrations in $\mu g/m^3$

$f_S(RH)$ = Relative humidity adjustment factor for small sulfate and nitrate

$f_L(RH)$ = Relative humidity adjustment factor for large sulfate and nitrate

$f_{SS}(RH)$ = Relative humidity adjustment factor for sea salt

For Total Sulfate < 20 $\mu g/m^3$:

[Large Sulfate] = ([Total Sulfate] / 20 $\mu g/m^3$) × [Total Sulfate]

For Total Sulfate ≥ 20 $\mu g/m^3$:

[Large Sulfate] = [Total Sulfate]

And:

[Small Sulfate] = [Total Sulfate] – [Large Sulfate]

**(Return to Section 3.6 Output Processing)**

# Appendix F

## F.1 2011 EGU Ranking Visibility Impairing Sources to Acadia National Park

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | Stat | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 22.124 | 1.495 | 0.150 | 22.124 | 2.813 | 7.147 | 1.198 | 0.285 | 19.814 | 2.553 | 6.599 | 0.863 | 0.183 | 13.870 | 1.854 | 5.033 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 9.396 | 0.691 | 0.021 | 9.396 | 1.292 | 3.669 | 0.528 | 0.039 | 7.453 | 1.038 | 3.013 | 0.325 | 0.038 | 4.750 | 0.674 | 2.022 |
| 3 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 9.285 | 0.427 | 0.043 | 6.162 | 0.866 | 2.551 | 0.535 | 0.030 | 7.431 | 1.036 | 3.005 | 0.659 | 0.045 | 9.285 | 1.278 | 3.632 |
| 4 | MA | Brayton Point | 1619 | 3 | D016193 | 8.860 | 0.429 | 0.059 | 6.394 | 0.897 | 2.636 | 0.624 | 0.049 | 8.860 | 1.223 | 3.492 | 0.385 | 0.057 | 5.797 | 0.817 | 2.417 |
| 5 | NH | Merrimack | 2364 | 2 | D023642 | 8.718 | 0.542 | 0.120 | 8.718 | 1.204 | 3.445 | 0.546 | 0.087 | 8.338 | 1.155 | 3.317 | 0.561 | 0.063 | 8.210 | 1.138 | 3.273 |
| 6 | MI | Monroe | 1733 | 1,2 | D01733C12 | 7.181 | 0.296 | 0.054 | 4.582 | 0.651 | 1.957 | 0.244 | 0.082 | 4.269 | 0.608 | 1.835 | 0.428 | 0.118 | 7.181 | 1.002 | 2.917 |
| 7 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 7.056 | 0.355 | 0.045 | 5.243 | 0.742 | 2.210 | 0.327 | 0.040 | 4.801 | 0.681 | 2.041 | 0.462 | 0.075 | 7.056 | 0.986 | 2.873 |
| 8 | PA | Homer City | 3122 | 2 | D031222 | 6.648 | 0.494 | 0.013 | 6.648 | 0.931 | 2.727 | 0.195 | 0.030 | 2.940 | 0.423 | 1.299 | 0.217 | 0.013 | 3.006 | 0.432 | 1.326 |
| 9 | PA | Homer City | 3122 | 1 | D031221 | 6.610 | 0.493 | 0.010 | 6.610 | 0.926 | 2.714 | 0.195 | 0.025 | 2.863 | 0.412 | 1.267 | 0.217 | 0.011 | 2.968 | 0.427 | 1.310 |
| 10 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 6.278 | 0.467 | 0.012 | 6.278 | 0.882 | 2.594 | 0.424 | 0.024 | 5.870 | 0.827 | 2.444 | 0.345 | 0.013 | 4.675 | 0.664 | 1.993 |
| 11 | OH | Eastlake | | 5 | D028375 | 4.713 | 0.214 | 0.033 | 3.220 | 0.462 | 1.414 | 0.278 | 0.037 | 4.127 | 0.588 | 1.779 | 0.311 | 0.049 | 4.713 | 0.669 | 2.007 |
| 12 | NH | Merrimack | 2364 | 1 | D023641 | 4.248 | 0.271 | 0.053 | 4.248 | 0.605 | 1.826 | 0.273 | 0.038 | 4.076 | 0.581 | 1.759 | 0.281 | 0.028 | 4.035 | 0.576 | 1.742 |
| 13 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 3.899 | 0.255 | 0.043 | 3.899 | 0.557 | 1.688 | 0.121 | 0.079 | 2.624 | 0.378 | 1.167 | 0.146 | 0.034 | 2.343 | 0.338 | 1.048 |
| 14 | PA | Keystone | 3136 | 1 | D031361 | 3.787 | 0.256 | 0.034 | 3.787 | 0.541 | 1.644 | 0.128 | 0.077 | 2.690 | 0.387 | 1.195 | 0.120 | 0.034 | 2.000 | 0.289 | 0.902 |
| 15 | PA | Keystone | 3136 | 2 | D031362 | 3.771 | 0.255 | 0.034 | 3.771 | 0.539 | 1.637 | 0.128 | 0.076 | 2.676 | 0.385 | 1.189 | 0.119 | 0.033 | 1.991 | 0.288 | 0.897 |
| 16 | PA | Cheswick | 8226 | 1 | D082261 | 3.580 | 0.254 | 0.021 | 3.580 | 0.512 | 1.560 | 0.144 | 0.044 | 2.461 | 0.355 | 1.098 | 0.124 | 0.017 | 1.847 | 0.268 | 0.835 |
| 17 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 3.475 | 0.250 | 0.016 | 3.475 | 0.498 | 1.518 | 0.151 | 0.027 | 2.322 | 0.335 | 1.039 | 0.117 | 0.013 | 1.682 | 0.244 | 0.763 |
| 18 | MA | Brayton Point | 1619 | 2 | D016192 | 3.409 | 0.196 | 0.045 | 3.149 | 0.452 | 1.385 | 0.225 | 0.036 | 3.409 | 0.488 | 1.491 | 0.199 | 0.034 | 3.044 | 0.437 | 1.342 |
| 19 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 3.311 | 0.197 | 0.012 | 2.732 | 0.393 | 1.212 | 0.223 | 0.030 | 3.311 | 0.475 | 1.451 | 0.151 | 0.019 | 2.215 | 0.320 | 0.994 |
| 20 | MA | Brayton Point | 1619 | 1 | D016191 | 3.041 | 0.181 | 0.029 | 2.740 | 0.394 | 1.215 | 0.209 | 0.024 | 3.041 | 0.437 | 1.340 | 0.180 | 0.021 | 2.627 | 0.378 | 1.168 |
| 21 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 2.997 | 0.139 | 0.027 | 2.165 | 0.313 | 0.972 | 0.180 | 0.040 | 2.874 | 0.413 | 1.271 | 0.208 | 0.022 | 2.997 | 0.431 | 1.322 |
| 22 | OH | Muskingum River | 2872 | 5 | D028725 | 2.886 | 0.219 | 0.003 | 2.886 | 0.415 | 1.276 | 0.164 | 0.005 | 2.203 | 0.318 | 0.989 | 0.105 | 0.004 | 1.414 | 0.206 | 0.646 |
| 23 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 2.842 | 0.205 | 0.013 | 2.842 | 0.409 | 1.258 | 0.171 | 0.020 | 2.486 | 0.359 | 1.109 | 0.164 | 0.015 | 2.325 | 0.336 | 1.041 |
| 24 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 2.793 | 0.200 | 0.014 | 2.793 | 0.402 | 1.237 | 0.134 | 0.032 | 2.172 | 0.314 | 0.975 | 0.166 | 0.020 | 2.426 | 0.350 | 1.084 |
| 25 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.755 | 0.167 | 0.020 | 2.437 | 0.352 | 1.088 | 0.146 | 0.019 | 2.153 | 0.311 | 0.967 | 0.190 | 0.021 | 2.755 | 0.397 | 1.222 |
| 26 | ME | William F Wyman | 1507 | 4 | D015074 | 2.746 | 0.150 | 0.060 | 2.746 | 0.395 | 1.218 | 0.103 | 0.030 | 1.734 | 0.251 | 0.786 | 0.150 | 0.034 | 2.400 | 0.346 | 1.073 |
| 27 | NH | Newington | 8002 | 1 | D080021 | 2.667 | 0.144 | 0.054 | 2.596 | 0.374 | 1.155 | 0.152 | 0.026 | 2.311 | 0.334 | 1.035 | 0.170 | 0.035 | 2.667 | 0.384 | 1.185 |
| 28 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 2.629 | 0.156 | 0.032 | 2.449 | 0.353 | 1.093 | 0.137 | 0.063 | 2.629 | 0.379 | 1.169 | 0.112 | 0.034 | 1.909 | 0.276 | 0.862 |
| 29 | NC | L V Sutton | | 3 | D027133 | 2.558 | 0.173 | 0.023 | 2.558 | 0.369 | 1.139 | 0.081 | 0.016 | 1.273 | 0.185 | 0.583 | 0.038 | 0.012 | 0.648 | 0.095 | 0.301 |
| 30 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 2.555 | 0.183 | 0.013 | 2.555 | 0.368 | 1.138 | 0.058 | 0.010 | 0.891 | 0.130 | 0.412 | 0.066 | 0.012 | 1.024 | 0.149 | 0.472 |
| 31 | PA | Portland | | 3 (2) | d031132 | 2.552 | 0.153 | 0.018 | 2.229 | 0.322 | 1.000 | 0.170 | 0.025 | 2.552 | 0.368 | 1.136 | 0.157 | 0.031 | 2.457 | 0.354 | 1.097 |
| 32 | OH | Cardinal | 2828 | 3 | D028283 | 2.540 | 0.191 | 0.004 | 2.540 | 0.366 | 1.132 | 0.119 | 0.009 | 1.669 | 0.242 | 0.758 | 0.118 | 0.004 | 1.583 | 0.230 | 0.720 |
| 33 | MI | St. Clair | 1743 | 7 | D017437 | 2.525 | 0.118 | 0.014 | 1.722 | 0.250 | 0.781 | 0.179 | 0.015 | 2.525 | 0.364 | 1.125 | 0.150 | 0.018 | 2.191 | 0.317 | 0.983 |
| 34 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 2.520 | 0.188 | 0.005 | 2.520 | 0.363 | 1.123 | 0.171 | 0.010 | 2.362 | 0.341 | 1.056 | 0.139 | 0.005 | 1.883 | 0.273 | 0.851 |
| 35 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 2.456 | 0.164 | 0.018 | 2.372 | 0.342 | 1.061 | 0.158 | 0.031 | 2.456 | 0.354 | 1.096 | 0.129 | 0.024 | 2.001 | 0.290 | 0.902 |
| 36 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 2.454 | 0.151 | 0.007 | 2.058 | 0.298 | 0.927 | 0.171 | 0.017 | 2.454 | 0.354 | 1.095 | 0.116 | 0.010 | 1.643 | 0.238 | 0.747 |
| 37 | IN | Tanners Creek | 988 | U4 | D00988U4 | 2.443 | 0.162 | 0.009 | 2.215 | 0.320 | 0.994 | 0.175 | 0.013 | 2.443 | 0.352 | 1.091 | 0.112 | 0.008 | 1.571 | 0.228 | 0.715 |
| 38 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 2.384 | 0.097 | 0.036 | 1.736 | 0.252 | 0.787 | 0.122 | 0.035 | 2.050 | 0.297 | 0.923 | 0.116 | 0.066 | 2.384 | 0.344 | 1.065 |
| 39 | VA | Chesapeake Energy Center | | 4 | D038034 | 2.354 | 0.157 | 0.024 | 2.354 | 0.340 | 1.053 | 0.097 | 0.010 | 1.402 | 0.204 | 0.640 | 0.100 | 0.013 | 1.475 | 0.214 | 0.672 |
| 40 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.203 | 0.137 | 0.018 | 2.021 | 0.292 | 0.910 | 0.118 | 0.015 | 1.726 | 0.250 | 0.783 | 0.152 | 0.017 | 2.203 | 0.318 | 0.989 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | Stat | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | PA | Brunner Island | 3140 | 3 | D031403 | 2.060 | 0.076 | 0.047 | 1.608 | 0.233 | 0.731 | 0.065 | 0.058 | 1.611 | 0.234 | 0.732 | 0.086 | 0.071 | 2.060 | 0.298 | 0.927 |
| 42 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 2.059 | 0.101 | 0.037 | 1.798 | 0.261 | 0.814 | 0.084 | 0.042 | 1.648 | 0.239 | 0.749 | 0.079 | 0.078 | 2.059 | 0.298 | 0.927 |
| 43 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 2.026 | 0.063 | 0.036 | 1.303 | 0.190 | 0.596 | 0.084 | 0.070 | 2.026 | 0.293 | 0.913 | 0.078 | 0.050 | 1.675 | 0.243 | 0.760 |
| 44 | MA | Canal Station | 1599 | 1 | D015991 | 2.022 | 0.115 | 0.013 | 1.668 | 0.242 | 0.757 | 0.134 | 0.021 | 2.022 | 0.293 | 0.911 | 0.079 | 0.024 | 1.339 | 0.195 | 0.612 |
| 45 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 1.990 | 0.141 | 0.012 | 1.990 | 0.288 | 0.897 | 0.083 | 0.021 | 1.356 | 0.197 | 0.620 | 0.074 | 0.013 | 1.135 | 0.165 | 0.522 |
| 46 | MD | Morgantown | 1573 | 1 | D015731 | 1.961 | 0.100 | 0.004 | 1.362 | 0.198 | 0.623 | 0.109 | 0.005 | 1.488 | 0.216 | 0.678 | 0.143 | 0.008 | 1.961 | 0.284 | 0.885 |
| 47 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 1.958 | 0.134 | 0.016 | 1.958 | 0.283 | 0.884 | | | | | | | | | | |
| 48 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 1.954 | 0.119 | 0.008 | 1.650 | 0.239 | 0.750 | 0.141 | 0.010 | 1.954 | 0.283 | 0.882 | | | | | |
| 49 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33 | D02535C01 | 1.885 | 0.128 | 0.016 | 1.885 | 0.273 | 0.852 | 0.125 | 0.014 | 1.809 | 0.262 | 0.819 | 0.103 | 0.020 | 1.599 | 0.232 | 0.727 |
| 50 | PA | Montour | 3149 | 1 | D031491 | 1.851 | 0.091 | 0.050 | 1.851 | 0.268 | 0.837 | 0.061 | 0.059 | 1.575 | 0.229 | 0.717 | 0.083 | 0.054 | 1.800 | 0.261 | 0.815 |
| 51 | NJ | B L England | 2378 | 1 | | 1.850 | 0.090 | 0.012 | 1.324 | 0.192 | 0.606 | 0.080 | 0.010 | 1.179 | 0.172 | 0.541 | 0.132 | 0.010 | 1.850 | 0.268 | 0.837 |
| 52 | MD | C P Crane | 1552 | 2 | D015522 | 1.808 | 0.073 | 0.014 | 1.137 | 0.166 | 0.522 | 0.076 | 0.017 | 1.204 | 0.175 | 0.552 | 0.110 | 0.028 | 1.808 | 0.262 | 0.818 |
| 53 | PA | Montour | 3149 | 2 | D031492 | 1.800 | 0.092 | 0.046 | 1.800 | 0.261 | 0.815 | 0.062 | 0.053 | 1.507 | 0.219 | 0.687 | 0.084 | 0.049 | 1.741 | 0.252 | 0.789 |
| 54 | MI | Belle River | | 2 | D060342 | 1.772 | 0.076 | 0.029 | 1.380 | 0.201 | 0.630 | 0.091 | 0.022 | 1.476 | 0.214 | 0.673 | 0.089 | 0.046 | 1.772 | 0.257 | 0.803 |
| 55 | VA | Chesapeake Energy Center | | 3 | D038033 | 1.766 | 0.112 | 0.023 | 1.766 | 0.256 | 0.800 | 0.069 | 0.011 | 1.030 | 0.150 | 0.474 | 0.071 | 0.015 | 1.111 | 0.162 | 0.511 |
| 56 | PA | Portland | | 2 (1) | d031131 | 1.759 | 0.098 | 0.006 | 1.350 | 0.196 | 0.617 | 0.126 | 0.009 | 1.759 | 0.255 | 0.797 | 0.100 | 0.013 | 1.475 | 0.214 | 0.673 |
| 57 | MI | Belle River | | 1 | D060341 | 1.749 | 0.075 | 0.029 | 1.360 | 0.198 | 0.622 | 0.090 | 0.022 | 1.455 | 0.211 | 0.664 | 0.088 | 0.046 | 1.749 | 0.254 | 0.793 |
| 58 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 1.732 | 0.130 | 0.003 | 1.732 | 0.251 | 0.785 | 0.050 | 0.006 | 0.739 | 0.108 | 0.342 | 0.025 | 0.004 | 0.380 | 0.056 | 0.178 |
| 59 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.722 | 0.067 | 0.023 | 1.177 | 0.171 | 0.540 | 0.105 | 0.027 | 1.722 | 0.250 | 0.781 | 0.055 | 0.031 | 1.128 | 0.164 | 0.518 |
| 60 | PA | Armstrong Power Station | | 1 | D031781 | 1.698 | 0.123 | 0.008 | 1.698 | 0.246 | 0.771 | 0.075 | 0.011 | 1.118 | 0.163 | 0.514 | | | | | |
| 61 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 1.690 | 0.038 | 0.050 | 1.158 | 0.169 | 0.532 | 0.043 | 0.061 | 1.368 | 0.199 | 0.625 | 0.057 | 0.072 | 1.690 | 0.245 | 0.767 |
| 62 | PA | Armstrong Power Station | | 2 | D031782 | 1.673 | 0.120 | 0.008 | 1.673 | 0.243 | 0.760 | 0.073 | 0.012 | 1.108 | 0.161 | 0.510 | | | | | |
| 63 | MI | St. Clair | 1743 | 6 | D017436 | 1.663 | 0.075 | 0.009 | 1.092 | 0.159 | 0.502 | 0.118 | 0.010 | 1.663 | 0.241 | 0.755 | 0.082 | 0.010 | 1.207 | 0.176 | 0.554 |
| 64 | WV | Harrison Power Station | | 1 (25%), 2 (20 | D03944C01 | 1.656 | 0.050 | 0.038 | 1.162 | 0.169 | 0.534 | 0.029 | 0.096 | 1.656 | 0.240 | 0.752 | 0.023 | 0.041 | 0.840 | 0.123 | 0.389 |
| 65 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 1.656 | 0.061 | 0.013 | 0.960 | 0.140 | 0.443 | 0.093 | 0.034 | 1.656 | 0.240 | 0.752 | 0.037 | 0.016 | 0.698 | 0.102 | 0.324 |
| 66 | MD | C P Crane | 1552 | 1 | D015521 | 1.629 | 0.067 | 0.012 | 1.026 | 0.149 | 0.472 | 0.069 | 0.015 | 1.086 | 0.158 | 0.499 | 0.100 | 0.025 | 1.629 | 0.236 | 0.740 |
| 67 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.621 | 0.035 | 0.084 | 1.573 | 0.228 | 0.716 | 0.032 | 0.091 | 1.621 | 0.235 | 0.737 | 0.035 | 0.082 | 1.536 | 0.223 | 0.699 |
| 68 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.616 | 0.045 | 0.012 | 0.750 | 0.110 | 0.348 | 0.055 | 0.019 | 0.964 | 0.141 | 0.445 | 0.086 | 0.037 | 1.616 | 0.235 | 0.735 |
| 69 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.568 | 0.059 | 0.018 | 1.007 | 0.147 | 0.464 | 0.100 | 0.020 | 1.568 | 0.228 | 0.714 | 0.061 | 0.025 | 1.128 | 0.164 | 0.518 |
| 70 | SC | Jefferies | 3319 | 3 | | 1.561 | 0.113 | 0.007 | 1.561 | 0.227 | 0.710 | 0.068 | 0.008 | 0.995 | 0.145 | 0.459 | 0.040 | 0.004 | 0.569 | 0.083 | 0.265 |
| 71 | SC | Jefferies | 3319 | 4 | | 1.561 | 0.113 | 0.007 | 1.561 | 0.227 | 0.710 | 0.068 | 0.009 | 0.993 | 0.145 | 0.458 | 0.038 | 0.004 | 0.546 | 0.080 | 0.255 |
| 72 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.545 | 0.028 | 0.004 | 0.410 | 0.060 | 0.192 | 0.111 | 0.007 | 1.545 | 0.224 | 0.703 | 0.063 | 0.009 | 0.946 | 0.138 | 0.436 |
| 73 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 1.527 | 0.111 | 0.006 | 1.527 | 0.222 | 0.695 | 0.076 | 0.006 | 1.071 | 0.156 | 0.493 | 0.031 | 0.007 | 0.503 | 0.074 | 0.235 |
| 74 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 1.520 | 0.108 | 0.009 | 1.520 | 0.221 | 0.692 | 0.097 | 0.016 | 1.475 | 0.214 | 0.673 | 0.071 | 0.015 | 1.116 | 0.163 | 0.513 |
| 75 | NC | L V Sutton | | 1, 2 | D02713C02 | 1.509 | 0.107 | 0.009 | 1.509 | 0.219 | 0.687 | 0.050 | 0.007 | 0.741 | 0.108 | 0.344 | 0.027 | 0.005 | 0.420 | 0.061 | 0.196 |
| 76 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 1.499 | 0.107 | 0.008 | 1.499 | 0.218 | 0.683 | 0.096 | 0.016 | 1.453 | 0.211 | 0.663 | 0.070 | 0.014 | 1.099 | 0.160 | 0.506 |
| 77 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 1.452 | 0.047 | 0.005 | 0.673 | 0.098 | 0.313 | 0.053 | 0.011 | 0.825 | 0.120 | 0.382 | 0.098 | 0.014 | 1.452 | 0.211 | 0.663 |
| 78 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 1.431 | 0.107 | 0.003 | 1.431 | 0.208 | 0.653 | 0.038 | 0.004 | 0.547 | 0.080 | 0.255 | 0.019 | 0.003 | 0.287 | 0.042 | 0.134 |
| 79 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 1.421 | 0.048 | 0.004 | 0.676 | 0.099 | 0.314 | 0.058 | 0.009 | 0.864 | 0.126 | 0.399 | 0.096 | 0.014 | 1.421 | 0.206 | 0.649 |
| 80 | MA | Brayton Point | 1619 | 4 | x07 | 1.385 | 0.050 | 0.015 | 0.848 | 0.124 | 0.392 | 0.088 | 0.018 | 1.385 | 0.201 | 0.633 | 0.046 | 0.024 | 0.916 | 0.134 | 0.423 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | Stat | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | NH | Schiller | 2367 | 6 | | 1.376 | 0.059 | 0.036 | **1.255** | 0.183 | 0.575 | 0.072 | 0.034 | **1.376** | 0.200 | 0.629 | 0.064 | 0.024 | **1.144** | 0.167 | 0.526 |
| 82 | SC | Canadys Steam | | CAN3 | D03280CN3 | 1.368 | 0.098 | 0.007 | **1.368** | 0.199 | 0.625 | 0.050 | 0.007 | 0.743 | 0.108 | 0.344 | 0.029 | 0.003 | 0.418 | 0.061 | 0.195 |
| 83 | NH | Schiller | 2367 | 4 | | 1.357 | 0.059 | 0.036 | **1.238** | 0.180 | 0.567 | 0.071 | 0.033 | **1.357** | 0.197 | 0.621 | 0.063 | 0.024 | **1.130** | 0.165 | 0.519 |
| 84 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 1.352 | 0.089 | 0.014 | **1.352** | 0.197 | 0.618 | 0.045 | 0.014 | 0.768 | 0.112 | 0.356 | 0.058 | 0.024 | **1.069** | 0.156 | 0.492 |
| 85 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 1.349 | 0.094 | 0.010 | **1.349** | 0.196 | 0.617 | 0.069 | 0.007 | 0.994 | 0.145 | 0.458 | 0.084 | 0.013 | **1.260** | 0.183 | 0.577 |
| 86 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.345 | 0.091 | 0.013 | **1.345** | 0.196 | 0.615 | 0.051 | 0.006 | 0.746 | 0.109 | 0.346 | 0.083 | 0.008 | **1.185** | 0.172 | 0.544 |
| 87 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 1.319 | 0.098 | 0.003 | **1.319** | 0.192 | 0.604 | 0.046 | 0.004 | 0.644 | 0.094 | 0.299 | 0.046 | 0.002 | 0.629 | 0.092 | 0.292 |
| 88 | MA | Canal Station | 1599 | 2 | D015992 | 1.310 | 0.073 | 0.018 | **1.187** | 0.173 | 0.545 | 0.075 | 0.026 | **1.310** | 0.190 | 0.600 | 0.053 | 0.037 | **1.179** | 0.172 | 0.541 |
| 89 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.259 | 0.032 | 0.047 | **1.031** | 0.150 | 0.475 | 0.027 | 0.068 | **1.259** | 0.183 | 0.577 | 0.016 | 0.042 | 0.769 | 0.112 | 0.356 |
| 90 | PA | Sunbury | | 4 | D031524 | 1.257 | 0.092 | 0.005 | **1.257** | 0.183 | 0.576 | 0.073 | 0.007 | **1.047** | 0.153 | 0.482 | 0.064 | 0.005 | 0.894 | 0.130 | 0.413 |
| 91 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 1.241 | 0.089 | 0.007 | **1.241** | 0.181 | 0.569 | 0.029 | 0.005 | 0.448 | 0.066 | 0.209 | 0.033 | 0.003 | 0.476 | 0.070 | 0.222 |
| 92 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 1.224 | 0.035 | 0.006 | 0.529 | 0.077 | 0.246 | 0.086 | 0.008 | **1.224** | 0.178 | 0.561 | 0.068 | 0.015 | **1.088** | 0.158 | 0.500 |
| 93 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 1.223 | 0.091 | 0.003 | **1.223** | 0.178 | 0.561 | 0.042 | 0.004 | 0.602 | 0.088 | 0.280 | 0.042 | 0.003 | 0.584 | 0.085 | 0.272 |
| 94 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 1.208 | 0.067 | 0.025 | **1.208** | 0.176 | 0.554 | 0.048 | 0.017 | 0.840 | 0.123 | 0.389 | 0.045 | 0.032 | **1.016** | 0.148 | 0.468 |
| 95 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 1.203 | 0.083 | 0.008 | **1.175** | 0.171 | 0.539 | 0.077 | 0.016 | **1.203** | 0.175 | 0.552 | 0.068 | 0.014 | **1.064** | 0.155 | 0.489 |
| 96 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 1.195 | 0.055 | 0.008 | 0.817 | 0.119 | 0.378 | 0.066 | 0.008 | 0.961 | 0.140 | 0.443 | 0.082 | 0.010 | **1.195** | 0.174 | 0.548 |
| 97 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 1.165 | 0.080 | 0.009 | **1.165** | 0.170 | 0.535 | 0.057 | 0.014 | 0.928 | 0.135 | 0.429 | 0.033 | 0.010 | 0.564 | 0.082 | 0.262 |
| 98 | MI | J C Weadock | | 7, 8 | D01720C09 | 1.152 | 0.068 | 0.020 | **1.152** | 0.168 | 0.529 | 0.048 | 0.012 | 0.785 | 0.115 | 0.364 | 0.053 | 0.025 | **1.017** | 0.148 | 0.469 |
| 99 | IA | Ottumwa | | 1 | D062541 | 1.146 | 0.071 | 0.017 | **1.146** | 0.167 | 0.526 | 0.053 | 0.012 | 0.838 | 0.122 | 0.388 | 0.064 | 0.017 | **1.058** | 0.154 | 0.487 |
| 100 | VA | Chesapeake Energy Center | | 2 | D038032 | 1.116 | 0.072 | 0.014 | **1.116** | 0.163 | 0.513 | 0.044 | 0.006 | 0.649 | 0.095 | 0.302 | 0.046 | 0.008 | 0.701 | 0.102 | 0.325 |
| 101 | MA | Salem Harbor Station | 1626 | 1 | | 1.108 | 0.069 | 0.016 | **1.108** | 0.161 | 0.509 | 0.058 | 0.018 | 0.988 | 0.144 | 0.455 | 0.064 | 0.018 | **1.067** | 0.155 | 0.491 |
| 102 | PA | Sunbury | | 3 | D031523 | 1.078 | 0.078 | 0.005 | **1.078** | 0.157 | 0.496 | 0.059 | 0.006 | 0.847 | 0.124 | 0.392 | 0.053 | 0.005 | 0.748 | 0.109 | 0.347 |
| 103 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 1.077 | 0.074 | 0.007 | **1.056** | 0.154 | 0.486 | 0.064 | 0.019 | **1.077** | 0.157 | 0.495 | 0.050 | 0.011 | 0.792 | 0.116 | 0.367 |
| 104 | IA | George Neal South | | 4 | D073434 | 1.066 | 0.027 | 0.009 | 0.480 | 0.070 | 0.224 | 0.052 | 0.012 | 0.837 | 0.122 | 0.387 | 0.060 | 0.021 | **1.066** | 0.155 | 0.490 |
| 105 | GA | Yates | | Y6BR | D00728Y6R | 1.054 | 0.055 | 0.004 | 0.766 | 0.112 | 0.355 | 0.053 | 0.004 | 0.740 | 0.108 | 0.343 | 0.076 | 0.005 | **1.054** | 0.154 | 0.485 |
| 106 | MD | Brandon Shores | 602 | 2 | D006022 | 1.050 | 0.016 | 0.024 | 0.531 | 0.078 | 0.248 | 0.020 | 0.028 | 0.636 | 0.093 | 0.296 | 0.021 | 0.058 | **1.050** | 0.153 | 0.484 |
| 107 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 1.050 | 0.051 | 0.007 | 0.754 | 0.110 | 0.350 | 0.060 | 0.009 | 0.889 | 0.130 | 0.411 | 0.067 | 0.014 | **1.050** | 0.153 | 0.483 |
| 108 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 1.033 | 0.067 | 0.012 | **1.033** | 0.151 | 0.476 | | | | | | | | | | |
| 109 | KY | Paradise | 1378 | 2 | D013782 | 1.024 | 0.072 | 0.006 | **1.024** | 0.149 | 0.472 | 0.046 | 0.006 | 0.678 | 0.099 | 0.315 | 0.043 | 0.004 | 0.612 | 0.089 | 0.285 |
| 110 | OH | Conesville | 2840 | 5,6 | D02840C06 | 1.012 | 0.036 | 0.025 | 0.800 | 0.117 | 0.370 | 0.019 | 0.058 | **1.012** | 0.147 | 0.466 | 0.016 | 0.036 | 0.685 | 0.100 | 0.318 |
| 111 | KY | Paradise | 1378 | 3 | D013783 | 1.011 | 0.044 | 0.033 | **1.011** | 0.147 | 0.466 | 0.029 | 0.038 | 0.878 | 0.128 | 0.406 | 0.026 | 0.023 | 0.640 | 0.094 | 0.297 |
| 112 | MD | Brandon Shores | 602 | 1 | D006021 | 1.009 | 0.016 | 0.023 | 0.516 | 0.076 | 0.241 | 0.021 | 0.027 | 0.620 | 0.091 | 0.288 | 0.022 | 0.055 | **1.009** | 0.147 | 0.465 |
| 113 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.991 | 0.033 | 0.033 | 0.865 | 0.126 | 0.400 | 0.040 | 0.036 | 0.991 | 0.144 | 0.457 | 0.028 | 0.009 | 0.484 | 0.071 | 0.226 |
| 114 | SC | H B Robinson | | 1 | D032511 | 0.991 | 0.071 | 0.005 | 0.991 | 0.144 | 0.457 | 0.019 | 0.005 | 0.317 | 0.046 | 0.148 | 0.015 | 0.006 | 0.278 | 0.041 | 0.130 |
| 115 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.987 | 0.053 | 0.019 | 0.941 | 0.137 | 0.434 | 0.050 | 0.015 | 0.849 | 0.124 | 0.392 | 0.059 | 0.017 | 0.987 | 0.144 | 0.455 |
| 116 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 0.974 | 0.045 | 0.010 | 0.720 | 0.105 | 0.334 | 0.055 | 0.019 | 0.974 | 0.142 | 0.449 | 0.033 | 0.011 | 0.570 | 0.083 | 0.265 |
| 117 | WI | Columbia | | 2 | D080232 | 0.972 | 0.050 | 0.010 | 0.777 | 0.113 | 0.360 | 0.061 | 0.013 | 0.954 | 0.139 | 0.440 | 0.064 | 0.011 | 0.972 | 0.142 | 0.448 |
| 118 | DE | Indian River | 594 | 4 | D005944 | 0.971 | 0.054 | 0.007 | 0.789 | 0.115 | 0.365 | 0.065 | 0.010 | 0.971 | 0.142 | 0.448 | 0.032 | 0.008 | 0.529 | 0.077 | 0.246 |
| 119 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 0.971 | 0.067 | 0.007 | 0.971 | 0.142 | 0.448 | | | | | | | | | | |
| 120 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.970 | 0.025 | 0.008 | 0.429 | 0.063 | 0.200 | 0.062 | 0.012 | 0.970 | 0.141 | 0.448 | 0.049 | 0.020 | 0.898 | 0.131 | 0.415 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | Stat | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | AR | White Bluff | | 1 | D060091 | 0.954 | 0.050 | 0.023 | 0.954 | 0.139 | 0.440 | | | | | | | | | | |
| 122 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 0.953 | 0.067 | 0.006 | 0.953 | 0.139 | 0.440 | 0.044 | 0.006 | 0.648 | 0.095 | 0.301 | 0.045 | 0.009 | 0.701 | 0.102 | 0.325 |
| 123 | AR | White Bluff | | 2 | D060092 | 0.945 | 0.049 | 0.024 | 0.945 | 0.138 | 0.436 | | | | | | | | | | |
| 124 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.942 | 0.025 | 0.020 | 0.596 | 0.087 | 0.277 | 0.046 | 0.026 | 0.942 | 0.137 | 0.435 | 0.032 | 0.027 | 0.765 | 0.112 | 0.355 |
| 125 | PA | Homer City | | 3 | D031223 | 0.931 | 0.058 | 0.013 | 0.931 | 0.136 | 0.430 | 0.021 | 0.035 | 0.732 | 0.107 | 0.340 | 0.027 | 0.015 | 0.560 | 0.082 | 0.261 |
| 126 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 0.928 | 0.060 | 0.011 | 0.928 | 0.135 | 0.428 | 0.043 | 0.027 | 0.914 | 0.133 | 0.422 | 0.026 | 0.019 | 0.582 | 0.085 | 0.271 |
| 127 | KY | Mill Creek | 1364 | 4 | D013644 | 0.926 | 0.042 | 0.004 | 0.601 | 0.088 | 0.280 | 0.062 | 0.009 | 0.926 | 0.135 | 0.428 | 0.026 | 0.005 | 0.399 | 0.058 | 0.186 |
| 128 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 0.924 | 0.052 | 0.002 | 0.708 | 0.103 | 0.328 | 0.069 | 0.003 | 0.924 | 0.135 | 0.427 | 0.046 | 0.002 | 0.616 | 0.090 | 0.286 |
| 129 | KY | Paradise | 1378 | 1 | D01720C09 | 0.902 | 0.063 | 0.006 | 0.902 | 0.132 | 0.417 | 0.040 | 0.006 | 0.600 | 0.088 | 0.279 | 0.038 | 0.004 | 0.540 | 0.079 | 0.251 |
| 130 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.895 | 0.050 | 0.006 | 0.728 | 0.106 | 0.338 | 0.063 | 0.006 | 0.895 | 0.130 | 0.413 | 0.057 | 0.005 | 0.814 | 0.119 | 0.377 |
| 131 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 0.883 | 0.063 | 0.005 | 0.883 | 0.129 | 0.408 | | | | | | | | | | |
| 132 | PA | Sunbury | | 1A, 1B | D03152CS1 | 0.874 | 0.064 | 0.003 | 0.874 | 0.127 | 0.404 | 0.049 | 0.005 | 0.710 | 0.104 | 0.329 | 0.043 | 0.004 | 0.612 | 0.089 | 0.285 |
| 133 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.871 | 0.058 | 0.009 | 0.871 | 0.127 | 0.402 | | | | | | | | | | |
| 134 | VA | Chesapeake Energy Center | | 1 | D038031 | 0.870 | 0.052 | 0.015 | 0.870 | 0.127 | 0.402 | 0.031 | 0.007 | 0.498 | 0.073 | 0.232 | 0.033 | 0.009 | 0.544 | 0.080 | 0.253 |
| 135 | WI | Columbia | | 1 | D080231 | 0.870 | 0.055 | 0.010 | 0.845 | 0.123 | 0.391 | 0.056 | 0.011 | 0.869 | 0.127 | 0.402 | 0.056 | 0.011 | 0.870 | 0.127 | 0.402 |
| 136 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.848 | 0.056 | 0.009 | 0.848 | 0.124 | 0.392 | 0.040 | 0.014 | 0.703 | 0.103 | 0.326 | 0.023 | 0.010 | 0.433 | 0.063 | 0.202 |
| 137 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.847 | 0.052 | 0.006 | 0.758 | 0.111 | 0.351 | 0.056 | 0.009 | 0.847 | 0.124 | 0.392 | 0.036 | 0.005 | 0.539 | 0.079 | 0.251 |
| 138 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.837 | 0.048 | 0.002 | 0.641 | 0.094 | 0.298 | 0.062 | 0.002 | 0.837 | 0.122 | 0.387 | 0.041 | 0.001 | 0.558 | 0.082 | 0.260 |
| 139 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 0.825 | 0.061 | 0.002 | 0.825 | 0.120 | 0.382 | 0.039 | 0.005 | 0.576 | 0.084 | 0.268 | 0.031 | 0.004 | 0.458 | 0.067 | 0.214 |
| 140 | GA | Scherer | | 4 | D062574 | 0.812 | 0.036 | 0.003 | 0.514 | 0.075 | 0.240 | 0.035 | 0.007 | 0.552 | 0.081 | 0.257 | 0.053 | 0.009 | 0.812 | 0.119 | 0.376 |
| 141 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.810 | 0.050 | 0.002 | 0.667 | 0.098 | 0.310 | 0.061 | 0.002 | 0.810 | 0.118 | 0.375 | 0.039 | 0.002 | 0.528 | 0.077 | 0.246 |
| 142 | GA | Scherer | | 1 | D062571 | 0.805 | 0.035 | 0.004 | 0.504 | 0.074 | 0.235 | 0.034 | 0.008 | 0.549 | 0.080 | 0.256 | 0.052 | 0.010 | 0.805 | 0.117 | 0.372 |
| 143 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 0.798 | 0.053 | 0.008 | 0.798 | 0.116 | 0.369 | 0.038 | 0.019 | 0.746 | 0.109 | 0.346 | 0.023 | 0.013 | 0.469 | 0.069 | 0.219 |
| 144 | GA | Scherer | | 2 | D062572 | 0.793 | 0.035 | 0.004 | 0.499 | 0.073 | 0.233 | 0.034 | 0.008 | 0.541 | 0.079 | 0.252 | 0.051 | 0.009 | 0.793 | 0.116 | 0.367 |
| 145 | MI | River Rouge | | 3 | D017403 | 0.789 | 0.047 | 0.014 | 0.789 | 0.115 | 0.366 | | | | | | | | | | |
| 146 | WV | Albright Power Station | 3942 | 3 | D039423 | 0.785 | 0.058 | 0.002 | 0.785 | 0.115 | 0.364 | 0.025 | 0.005 | 0.390 | 0.057 | 0.182 | 0.038 | 0.004 | 0.535 | 0.078 | 0.249 |
| 147 | GA | Yates | | Y7BR | D00728Y7R | 0.783 | 0.041 | 0.003 | 0.570 | 0.083 | 0.265 | 0.039 | 0.004 | 0.551 | 0.081 | 0.257 | 0.056 | 0.004 | 0.783 | 0.114 | 0.363 |
| 148 | MO | New Madrid Power Plant | | 1 | D021671 | 0.781 | 0.024 | 0.036 | 0.781 | 0.114 | 0.362 | | | | | | | | | | |
| 149 | NC | Cape Fear | 2708 | 6 | | 0.779 | 0.054 | 0.006 | 0.779 | 0.114 | 0.361 | 0.022 | 0.005 | 0.352 | 0.052 | 0.165 | 0.023 | 0.005 | 0.359 | 0.053 | 0.168 |
| 150 | IN | Gibson | 6113 | 5 | D061135 | 0.773 | 0.046 | 0.013 | 0.773 | 0.113 | 0.358 | | | | | | | | | | |
| 151 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 0.770 | 0.055 | 0.004 | 0.770 | 0.112 | 0.357 | | | | | | | | | | |
| 152 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 0.767 | 0.055 | 0.004 | 0.767 | 0.112 | 0.355 | | | | | | | | | | |
| 153 | KS | Nearman Creek | 6064 | N1 | | 0.764 | 0.035 | 0.023 | 0.764 | 0.112 | 0.354 | | | | | | | | | | |
| 154 | TX | Big Brown | 3497 | 2 | | 0.753 | 0.054 | 0.004 | 0.753 | 0.110 | 0.349 | 0.047 | 0.002 | 0.640 | 0.094 | 0.298 | 0.022 | 0.001 | 0.287 | 0.042 | 0.135 |
| 155 | OH | Killen Station | 6031 | 2 | D060312 | 0.747 | 0.046 | 0.011 | 0.747 | 0.109 | 0.346 | 0.026 | 0.020 | 0.604 | 0.088 | 0.281 | 0.038 | 0.013 | 0.656 | 0.096 | 0.305 |
| 156 | NJ | B L England | 2378 | 2,3 | x12 | 0.721 | 0.028 | 0.017 | 0.585 | 0.086 | 0.272 | 0.025 | 0.016 | 0.528 | 0.077 | 0.246 | 0.041 | 0.014 | 0.721 | 0.105 | 0.334 |
| 157 | IA | Louisa | | 101 | D06664101 | 0.720 | 0.037 | 0.018 | 0.720 | 0.105 | 0.334 | | | | | | | | | | |
| 158 | TX | Big Brown | 3497 | 1 | | 0.719 | 0.051 | 0.004 | 0.719 | 0.105 | 0.334 | 0.045 | 0.002 | 0.611 | 0.089 | 0.284 | 0.021 | 0.001 | 0.274 | 0.040 | 0.128 |
| 159 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 0.718 | 0.051 | 0.004 | 0.718 | 0.105 | 0.333 | 0.035 | 0.009 | 0.568 | 0.083 | 0.264 | 0.029 | 0.004 | 0.423 | 0.062 | 0.197 |
| 160 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 0.702 | 0.050 | 0.004 | 0.702 | 0.102 | 0.326 | 0.034 | 0.009 | 0.557 | 0.081 | 0.259 | 0.028 | 0.004 | 0.413 | 0.061 | 0.193 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | Stat | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | OH | Eastlake | 2837 | 1 | D028371 | 0.687 | 0.048 | 0.005 | 0.687 | 0.100 | 0.319 | | | | | | | | | | |
| 162 | CT | Middletown | 562 | 4 | | 0.683 | 0.028 | 0.024 | 0.683 | 0.100 | 0.317 | | | | | | | | | | |
| 163 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.664 | 0.045 | 0.006 | 0.664 | 0.097 | 0.309 | 0.029 | 0.011 | 0.527 | 0.077 | 0.246 | 0.024 | 0.007 | 0.405 | 0.059 | 0.189 |
| 164 | OH | Eastlake | 2837 | 2 | D028372 | 0.659 | 0.047 | 0.004 | 0.659 | 0.096 | 0.306 | | | | | | | | | | |
| 165 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 0.656 | 0.032 | 0.018 | 0.656 | 0.096 | 0.305 | | | | | | | | | | |
| 166 | KS | La Cygne | | 2 | D012412 | 0.654 | 0.031 | 0.015 | 0.611 | 0.089 | 0.284 | 0.038 | 0.011 | 0.641 | 0.094 | 0.298 | 0.034 | 0.016 | 0.654 | 0.096 | 0.304 |
| 167 | MO | New Madrid Power Plant | | 2 | D021672 | 0.654 | 0.024 | 0.026 | 0.654 | 0.096 | 0.304 | | | | | | | | | | |
| 168 | IN | Merom | | 2SG1 | D062132G1 | 0.647 | 0.047 | 0.002 | 0.647 | 0.095 | 0.301 | | | | | | | | | | |
| 169 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.644 | 0.040 | 0.009 | 0.644 | 0.094 | 0.299 | | | | | | | | | | |
| 170 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.637 | 0.025 | 0.023 | 0.627 | 0.092 | 0.291 | 0.033 | 0.016 | 0.636 | 0.093 | 0.296 | 0.029 | 0.020 | 0.637 | 0.093 | 0.296 |
| 171 | OH | Cardinal | 2828 | 1 | D028281 | 0.633 | 0.046 | 0.003 | 0.633 | 0.093 | 0.294 | | | | | | | | | | |
| 172 | IN | Gibson | 6113 | 4 | D061135 | 0.629 | 0.016 | 0.032 | 0.629 | 0.092 | 0.292 | | | | | | | | | | |
| 173 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 0.622 | 0.046 | 0.002 | 0.622 | 0.091 | 0.289 | | | | | | | | | | |
| 174 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.622 | 0.042 | 0.006 | 0.622 | 0.091 | 0.289 | 0.033 | 0.011 | 0.577 | 0.084 | 0.269 | 0.032 | 0.010 | 0.549 | 0.080 | 0.256 |
| 175 | VA | Bremo Power Station | | 4 | D037964 | 0.620 | 0.032 | 0.006 | 0.499 | 0.073 | 0.233 | 0.029 | 0.005 | 0.453 | 0.066 | 0.211 | 0.040 | 0.007 | 0.620 | 0.091 | 0.288 |
| 176 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.602 | 0.026 | 0.020 | 0.602 | 0.088 | 0.280 | 0.032 | 0.012 | 0.569 | 0.083 | 0.265 | | | | | |
| 177 | TX | Martin Lake | 6146 | 1 | | 0.600 | 0.039 | 0.007 | 0.600 | 0.088 | 0.279 | 0.034 | 0.005 | 0.495 | 0.072 | 0.231 | 0.015 | 0.001 | 0.214 | 0.031 | 0.100 |
| 178 | OH | J M Stuart | 2850 | 4 | D028404 | 0.599 | 0.041 | 0.005 | 0.599 | 0.088 | 0.278 | 0.024 | 0.012 | 0.468 | 0.068 | 0.218 | 0.031 | 0.008 | 0.507 | 0.074 | 0.236 |
| 179 | OK | Grand River Dam Authority | | 1 | D001651 | 0.593 | 0.029 | 0.016 | 0.593 | 0.087 | 0.276 | 0.024 | 0.009 | 0.430 | 0.063 | 0.201 | 0.017 | 0.003 | 0.264 | 0.039 | 0.124 |
| 180 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 0.592 | 0.037 | 0.008 | 0.592 | 0.086 | 0.275 | | | | | | | | | | |
| 181 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 0.591 | 0.015 | 0.030 | 0.591 | 0.086 | 0.275 | | | | | | | | | | |
| 182 | AR | Independence | | 1 | D066411 | 0.573 | 0.028 | 0.016 | 0.573 | 0.084 | 0.266 | | | | | | | | | | |
| 183 | ME | William F Wyman | 1507 | 3 | | 0.572 | 0.031 | 0.013 | 0.572 | 0.084 | 0.266 | | | | | | | | | | |
| 184 | OH | Eastlake | 2837 | 3 | D028373 | 0.571 | 0.040 | 0.004 | 0.571 | 0.083 | 0.266 | | | | | | | | | | |
| 185 | PA | Shawville | 3131 | 1 | D031311 | 0.570 | 0.039 | 0.005 | 0.570 | 0.083 | 0.265 | | | | | | | | | | |
| 186 | NC | Riverbend | 2732 | 9 | | 0.565 | 0.042 | 0.001 | 0.565 | 0.083 | 0.263 | | | | | | | | | | |
| 187 | PA | Shawville | 3131 | 2 | D031312 | 0.561 | 0.039 | 0.004 | 0.561 | 0.082 | 0.261 | | | | | | | | | | |
| 188 | MO | Labadie | | 4 | D021034 | 0.559 | 0.038 | 0.005 | 0.559 | 0.082 | 0.260 | 0.037 | 0.004 | 0.528 | 0.077 | 0.246 | 0.030 | 0.004 | 0.438 | 0.064 | 0.205 |
| 189 | MO | Labadie | | 3 | D021033 | 0.556 | 0.038 | 0.005 | 0.556 | 0.081 | 0.259 | | | | | | | | | | |
| 190 | AR | Independence | | 2 | D066412 | 0.553 | 0.029 | 0.014 | 0.553 | 0.081 | 0.257 | | | | | | | | | | |
| 191 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.551 | 0.031 | 0.012 | 0.551 | 0.081 | 0.256 | | | | | | | | | | |
| 192 | TX | Martin Lake | 6146 | 2 | | 0.550 | 0.036 | 0.006 | 0.550 | 0.080 | 0.256 | 0.031 | 0.004 | 0.457 | 0.067 | 0.213 | 0.014 | 0.001 | 0.199 | 0.029 | 0.093 |
| 193 | CT | New Haven Harbor | 6156 | NHB1 | | 0.545 | 0.025 | 0.017 | 0.545 | 0.080 | 0.254 | | | | | | | | | | |
| 194 | NE | Nebraska City Station | | 1 | D060961 | 0.543 | 0.034 | 0.008 | 0.543 | 0.079 | 0.253 | | | | | | | | | | |
| 195 | MO | Labadie | | 1 | D021031 | 0.536 | 0.037 | 0.005 | 0.536 | 0.078 | 0.250 | | | | | | | | | | |
| 196 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 0.533 | 0.036 | 0.005 | 0.533 | 0.078 | 0.249 | | | | | | | | | | |
| 197 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 0.533 | 0.028 | 0.013 | 0.533 | 0.078 | 0.248 | | | | | | | | | | |
| 198 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.526 | 0.039 | 0.001 | 0.526 | 0.077 | 0.245 | | | | | | | | | | |
| 199 | OK | Muskogee | 2952 | 4 | | 0.515 | 0.026 | 0.014 | 0.515 | 0.075 | 0.240 | | | | | | | | | | |
| 200 | TX | Martin Lake | 6146 | 3 | | 0.514 | 0.033 | 0.006 | 0.514 | 0.075 | 0.239 | 0.029 | 0.004 | 0.424 | 0.062 | 0.198 | 0.013 | 0.001 | 0.183 | 0.027 | 0.086 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | Stat | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | KY | Green River | | 5 | D013575 | 0.513 | 0.038 | 0.002 | 0.513 | 0.075 | 0.239 | | | | | | | | | | |
| 202 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 0.506 | 0.029 | 0.010 | 0.506 | 0.074 | 0.236 | | | | | | | | | | |
| 203 | MI | Monroe | 1733 | 3,4 | D01733C34 | 0.500 | 0.022 | 0.016 | 0.500 | 0.073 | 0.233 | | | | | | | | | | |
| 204 | MO | Rush Island | | 2 | D061552 | 0.498 | 0.036 | 0.003 | 0.498 | 0.073 | 0.232 | | | | | | | | | | |
| 205 | MO | Rush Island | | 1 | D061551 | 0.497 | 0.035 | 0.003 | 0.497 | 0.073 | 0.232 | | | | | | | | | | |
| 206 | KY | D B Wilson | | W1 | D06823W1 | 0.493 | 0.036 | 0.002 | 0.493 | 0.072 | 0.230 | | | | | | | | | | |
| 207 | OK | Hugo | | 1 | D067721 | 0.474 | 0.033 | 0.004 | 0.474 | 0.069 | 0.221 | | | | | | | | | | |
| 208 | IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 0.470 | 0.033 | 0.004 | 0.470 | 0.069 | 0.219 | | | | | | | | | | |
| 209 | OK | Muskogee | | 5 | D029525 | 0.470 | 0.024 | 0.012 | 0.470 | 0.069 | 0.219 | | | | | | | | | | |
| 210 | OH | Cardinal | 2828 | 2 | D028282 | 0.470 | 0.033 | 0.003 | 0.470 | 0.069 | 0.219 | | | | | | | | | | |
| 211 | WI | Edgewater (4050) | 4050 | 5 | | 0.460 | 0.029 | 0.007 | 0.460 | 0.067 | 0.215 | | | | | | | | | | |
| 212 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 0.459 | 0.018 | 0.017 | 0.459 | 0.067 | 0.214 | | | | | | | | | | |
| 213 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.452 | 0.016 | 0.013 | 0.376 | 0.055 | 0.176 | 0.020 | 0.015 | 0.452 | 0.066 | 0.211 | 0.017 | 0.014 | 0.403 | 0.059 | 0.188 |
| 214 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 0.451 | 0.028 | 0.007 | 0.451 | 0.066 | 0.211 | | | | | | | | | | |
| 215 | TX | Monticello | 6147 | 1 | | 0.442 | 0.030 | 0.004 | 0.442 | 0.065 | 0.207 | 0.026 | 0.002 | 0.372 | 0.054 | 0.174 | 0.012 | 0.000 | 0.164 | 0.024 | 0.077 |
| 216 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 0.439 | 0.020 | 0.013 | 0.439 | 0.064 | 0.205 | | | | | | | | | | |
| 217 | SC | McMeekin | | MCM2 | D03287MM2 | 0.438 | 0.033 | 0.001 | 0.438 | 0.064 | 0.205 | | | | | | | | | | |
| 218 | KY | Green River | | 4 | D013574 | 0.436 | 0.032 | 0.001 | 0.436 | 0.064 | 0.203 | | | | | | | | | | |
| 219 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.420 | 0.025 | 0.007 | 0.420 | 0.062 | 0.196 | 0.017 | 0.006 | 0.303 | 0.044 | 0.142 | 0.016 | 0.009 | 0.332 | 0.049 | 0.156 |
| 220 | SC | McMeekin | | MCM1 | D03287MM1 | 0.420 | 0.031 | 0.001 | 0.420 | 0.061 | 0.196 | | | | | | | | | | |
| 221 | TN | Cumberland | 3399 | 1 | | 0.419 | 0.026 | 0.006 | 0.419 | 0.061 | 0.196 | | | | | | | | | | |
| 222 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.415 | 0.017 | 0.014 | 0.415 | 0.061 | 0.194 | | | | | | | | | | |
| 223 | TX | Monticello | 6147 | 2 | | 0.414 | 0.028 | 0.003 | 0.414 | 0.061 | 0.193 | | | | | | | | | | |
| 224 | IL | Newton | | 2 | D060172 | 0.411 | 0.028 | 0.004 | 0.411 | 0.060 | 0.192 | | | | | | | | | | |
| 225 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 0.409 | 0.009 | 0.023 | 0.409 | 0.060 | 0.191 | | | | | | | | | | |
| 226 | OK | Sooner | 6095 | 1 | | 0.409 | 0.018 | 0.013 | 0.409 | 0.060 | 0.191 | | | | | | | | | | |
| 227 | TX | Monticello | 6147 | 3 | | 0.408 | 0.025 | 0.006 | 0.408 | 0.060 | 0.191 | | | | | | | | | | |
| 228 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.408 | 0.023 | 0.009 | 0.408 | 0.060 | 0.191 | 0.015 | 0.008 | 0.302 | 0.044 | 0.142 | 0.014 | 0.012 | 0.344 | 0.050 | 0.161 |
| 229 | OK | Sooner | | 2 | D060952 | 0.406 | 0.018 | 0.013 | 0.406 | 0.059 | 0.190 | | | | | | | | | | |
| 230 | OH | Conesville | 2840 | 4 | D028504 | 0.405 | 0.026 | 0.005 | 0.405 | 0.059 | 0.189 | | | | | | | | | | |
| 231 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.402 | 0.024 | 0.007 | 0.402 | 0.059 | 0.188 | | | | | | | | | | |
| 232 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 0.393 | 0.019 | 0.011 | 0.393 | 0.058 | 0.184 | | | | | | | | | | |
| 233 | WV | Longview Power | 56671 | 1 | | 0.389 | 0.027 | 0.003 | 0.389 | 0.057 | 0.182 | | | | | | | | | | |
| 234 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 0.386 | 0.025 | 0.004 | 0.386 | 0.057 | 0.180 | | | | | | | | | | |
| 235 | TX | Limestone | 298 | LIM2 | | 0.376 | 0.020 | 0.008 | 0.376 | 0.055 | 0.176 | | | | | | | | | | |
| 236 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.373 | 0.023 | 0.006 | 0.373 | 0.055 | 0.175 | | | | | | | | | | |
| 237 | MN | Sherburne County | | 3 | D060903 | 0.370 | 0.019 | 0.010 | 0.370 | 0.054 | 0.173 | | | | | | | | | | |
| 238 | NC | Marshall | 2727 | 1,2 | x11 | 0.369 | 0.018 | 0.010 | 0.369 | 0.054 | 0.172 | | | | | | | | | | |
| 239 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.368 | 0.017 | 0.011 | 0.368 | 0.054 | 0.172 | | | | | | | | | | |
| 240 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 0.368 | 0.022 | 0.006 | 0.368 | 0.054 | 0.172 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | Stat | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | NC | Roxboro | 2712 | 2 | D027122 | 0.365 | 0.023 | 0.005 | 0.365 | 0.053 | 0.171 | | | | | | | | | | |
| 242 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.365 | 0.022 | 0.006 | 0.365 | 0.053 | 0.171 | | | | | | | | | | |
| 243 | WI | Nelson Dewey | 4054 | 2 | | 0.355 | 0.024 | 0.003 | 0.355 | 0.052 | 0.166 | | | | | | | | | | |
| 244 | WV | John E Amos | 3935 | 3 | D039353 | 0.351 | 0.019 | 0.008 | 0.351 | 0.051 | 0.164 | | | | | | | | | | |
| 245 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.350 | 0.008 | 0.019 | 0.350 | 0.051 | 0.164 | | | | | | | | | | |
| 246 | TX | Limestone | 298 | LIM1 | | 0.349 | 0.019 | 0.008 | 0.349 | 0.051 | 0.163 | | | | | | | | | | |
| 247 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.346 | 0.023 | 0.004 | 0.346 | 0.051 | 0.162 | | | | | | | | | | |
| 248 | ME | William F Wyman | 1507 | 1 | | 0.341 | 0.016 | 0.010 | 0.341 | 0.050 | 0.160 | | | | | | | | | | |
| 249 | OH | Miami Fort Power Station | | 8 | D028328 | 0.333 | 0.019 | 0.006 | 0.333 | 0.049 | 0.156 | | | | | | | | | | |
| 250 | ME | William F Wyman | 1507 | 2 | | 0.332 | 0.015 | 0.011 | 0.332 | 0.049 | 0.155 | | | | | | | | | | |
| 251 | NC | Marshall | 2727 | 4 | D027274 | 0.331 | 0.014 | 0.011 | 0.331 | 0.048 | 0.155 | | | | | | | | | | |
| 252 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 0.329 | 0.020 | 0.005 | 0.329 | 0.048 | 0.154 | | | | | | | | | | |
| 253 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 0.328 | 0.018 | 0.007 | 0.328 | 0.048 | 0.154 | | | | | | | | | | |
| 254 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.327 | 0.016 | 0.009 | 0.327 | 0.048 | 0.153 | | | | | | | | | | |
| 255 | KS | La Cygne | 1241 | 1 | | 0.315 | 0.018 | 0.006 | 0.315 | 0.046 | 0.148 | 0.016 | 0.003 | 0.245 | 0.036 | 0.115 | 0.016 | 0.005 | 0.271 | 0.040 | 0.127 |
| 256 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.299 | 0.020 | 0.003 | 0.299 | 0.044 | 0.140 | | | | | | | | | | |
| 257 | NY | Northport | 2516 | 3 | D025163 | 0.298 | 0.015 | 0.008 | 0.298 | 0.044 | 0.140 | | | | | | | | | | |
| 258 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.297 | 0.020 | 0.003 | 0.297 | 0.043 | 0.139 | | | | | | | | | | |
| 259 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.297 | 0.010 | 0.012 | 0.297 | 0.043 | 0.139 | | | | | | | | | | |
| 260 | IA | George Neal North | | 3 | D010913 | 0.291 | 0.015 | 0.007 | 0.291 | 0.043 | 0.136 | | | | | | | | | | |
| 261 | DE | Edge Moor | 593 | 5 | D005935 | 0.291 | 0.021 | 0.002 | 0.291 | 0.043 | 0.136 | | | | | | | | | | |
| 262 | WI | Genoa | 4143 | 1 | | 0.283 | 0.018 | 0.004 | 0.283 | 0.041 | 0.133 | | | | | | | | | | |
| 263 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 0.275 | 0.017 | 0.005 | 0.275 | 0.040 | 0.129 | | | | | | | | | | |
| 264 | IL | Wood River Power Station | | 5 | D008985 | 0.267 | 0.017 | 0.004 | 0.267 | 0.039 | 0.125 | | | | | | | | | | |
| 265 | OH | J M Stuart | 2850 | 3 | D028503 | 0.257 | 0.015 | 0.004 | 0.257 | 0.038 | 0.120 | | | | | | | | | | |
| 266 | KY | Ghent | 1356 | 1,2 … (1,4) | D01356C01 | 0.256 | 0.015 | 0.005 | 0.256 | 0.038 | 0.120 | | | | | | | | | | |
| 267 | MD | Morgantown | 1573 | 2 | D015732 | 0.252 | 0.016 | 0.003 | 0.252 | 0.037 | 0.118 | | | | | | | | | | |
| 268 | OH | W H Sammis | 2866 | 7 | D028667 | 0.252 | 0.012 | 0.007 | 0.252 | 0.037 | 0.118 | | | | | | | | | | |
| 269 | IL | Marion | | 4 | D009764 | 0.250 | 0.016 | 0.004 | 0.250 | 0.037 | 0.117 | | | | | | | | | | |
| 270 | IL | Joliet 29 | | 81, 82 | D00384C82 | 0.247 | 0.015 | 0.004 | 0.247 | 0.036 | 0.116 | | | | | | | | | | |
| 271 | NC | Roxboro | 2712 | 1 | D027121 | 0.243 | 0.014 | 0.005 | 0.243 | 0.036 | 0.114 | | | | | | | | | | |
| 272 | OH | W H Sammis | 2866 | 6 | D02866M6A | 0.241 | 0.013 | 0.006 | 0.241 | 0.035 | 0.113 | | | | | | | | | | |
| 273 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.238 | 0.017 | 0.001 | 0.238 | 0.035 | 0.111 | | | | | | | | | | |
| 274 | NC | Belews Creek | 8042 | 2 | D080422 | 0.235 | 0.012 | 0.006 | 0.235 | 0.034 | 0.110 | | | | | | | | | | |
| 275 | OH | J M Stuart | 2850 | 1 | D028501 | 0.234 | 0.015 | 0.003 | 0.234 | 0.034 | 0.110 | | | | | | | | | | |
| 276 | IN | Cayuga | 1001 | 2 | D010012 | 0.232 | 0.008 | 0.010 | 0.232 | 0.034 | 0.109 | | | | | | | | | | |
| 277 | NC | Belews Creek | 8042 | 1 | D080421 | 0.231 | 0.012 | 0.006 | 0.231 | 0.034 | 0.108 | | | | | | | | | | |
| 278 | NC | Marshall | 2727 | 3 | D027273 | 0.228 | 0.015 | 0.003 | 0.228 | 0.033 | 0.107 | | | | | | | | | | |
| 279 | KY | East Bend | 6018 | 2 | D060182 | 0.228 | 0.011 | 0.006 | 0.228 | 0.033 | 0.107 | | | | | | | | | | |
| 280 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.227 | 0.013 | 0.004 | 0.227 | 0.033 | 0.106 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | Stat | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | MO | Meramec | | 3 | D021043 | 0.226 | 0.014 | 0.003 | 0.226 | 0.033 | 0.106 | | | | | | | | | | |
| 282 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.224 | 0.015 | 0.002 | 0.224 | 0.033 | 0.105 | | | | | | | | | | |
| 283 | TX | Welsh Power Plant | 6139 | 3 | | 0.217 | 0.012 | 0.005 | 0.217 | 0.032 | 0.102 | | | | | | | | | | |
| 284 | KS | Quindaro | 1295 | 2 | | 0.215 | 0.011 | 0.006 | 0.215 | 0.031 | 0.101 | | | | | | | | | | |
| 285 | IN | Cayuga | 1001 | 1 | D010011 | 0.210 | 0.007 | 0.009 | 0.210 | 0.031 | 0.099 | | | | | | | | | | |
| 286 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 0.209 | 0.008 | 0.008 | 0.209 | 0.031 | 0.098 | | | | | | | | | | |
| 287 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 0.204 | 0.008 | 0.008 | 0.204 | 0.030 | 0.096 | | | | | | | | | | |
| 288 | TX | Welsh Power Plant | 6139 | 1 | | 0.203 | 0.011 | 0.004 | 0.203 | 0.030 | 0.095 | | | | | | | | | | |
| 289 | TX | Welsh Power Plant | 6139 | 2 | | 0.199 | 0.012 | 0.004 | 0.199 | 0.029 | 0.094 | | | | | | | | | | |
| 290 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 0.188 | 0.008 | 0.007 | 0.188 | 0.028 | 0.088 | | | | | | | | | | |
| 291 | MO | Sikeston | | 1 | D067681 | 0.180 | 0.010 | 0.004 | 0.180 | 0.026 | 0.085 | | | | | | | | | | |
| 292 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.172 | 0.009 | 0.004 | 0.172 | 0.025 | 0.081 | | | | | | | | | | |
| 293 | GA | Yates | | Y5BR | D00728Y5R | 0.170 | 0.012 | 0.001 | 0.170 | 0.025 | 0.080 | | | | | | | | | | |
| 294 | OH | J M Stuart | 2850 | 2 | D028502 | 0.170 | 0.009 | 0.005 | 0.170 | 0.025 | 0.080 | | | | | | | | | | |
| 295 | AL | Greene County | 10 | 1 | | 0.166 | 0.012 | 0.001 | 0.166 | 0.024 | 0.078 | | | | | | | | | | |
| 296 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.158 | 0.008 | 0.004 | 0.158 | 0.023 | 0.074 | | | | | | | | | | |
| 297 | GA | Bowen | 703 | 1BLR | D007031LR | 0.157 | 0.007 | 0.005 | 0.157 | 0.023 | 0.074 | | | | | | | | | | |
| 298 | NC | Cliffside | 2721 | 5 | D027215 | 0.151 | 0.009 | 0.002 | 0.151 | 0.022 | 0.071 | | | | | | | | | | |
| 299 | AL | E C Gaston | 26 | 5 | | 0.143 | 0.005 | 0.006 | 0.143 | 0.021 | 0.067 | | | | | | | | | | |
| 300 | OH | W H Sammis | 2866 | 5 | D028665 | 0.141 | 0.005 | 0.006 | 0.141 | 0.021 | 0.067 | | | | | | | | | | |
| 301 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.141 | 0.007 | 0.004 | 0.141 | 0.021 | 0.066 | | | | | | | | | | |
| 302 | GA | Bowen | 703 | 4BLR | D007034LR | 0.131 | 0.004 | 0.006 | 0.131 | 0.019 | 0.061 | | | | | | | | | | |
| 303 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.112 | 0.004 | 0.005 | 0.112 | 0.016 | 0.053 | | | | | | | | | | |
| 304 | GA | Bowen | 703 | 2BLR | D007032LR | 0.112 | 0.003 | 0.005 | 0.112 | 0.016 | 0.053 | | | | | | | | | | |
| 305 | SC | Winyah | 6249 | 1 | D062491 | 0.098 | 0.004 | 0.003 | 0.098 | 0.014 | 0.046 | | | | | | | | | | |
| 306 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.096 | 0.004 | 0.003 | 0.096 | 0.014 | 0.045 | | | | | | | | | | |
| 307 | GA | Bowen | 703 | 3BLR | D007033LR | 0.081 | 0.004 | 0.002 | 0.081 | 0.012 | 0.038 | | | | | | | | | | |
| 308 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.018 | 0.001 | 0.000 | 0.018 | 0.003 | 0.008 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## F.2 2015 EGU Ranking Visibility Impairing Sources to Acadia National Park

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | PA | Homer City | 3122 | 1 | D031221 | 9.288 | 0.654 | 0.030 | 9.288 | 1.243 | 3.544 | 0.258 | 0.071 | 4.023 | 0.615 | 1.854 | 0.288 | 0.031 | 4.171 | 0.594 | 1.796 |
| 2 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 9.077 | 0.470 | 0.047 | 6.744 | 0.949 | 2.775 | 0.433 | 0.041 | 6.176 | 0.873 | 2.570 | 0.611 | 0.078 | 9.077 | 1.251 | 3.564 |
| 3 | PA | Homer City | 3122 | 2 | D031222 | 8.144 | 0.577 | 0.026 | 8.144 | 1.103 | 3.182 | 0.228 | 0.063 | 3.602 | 0.545 | 1.653 | 0.254 | 0.028 | 3.682 | 0.526 | 1.601 |
| 4 | ME | William F Wyman | 1507 | 4 | D015074 | 5.572 | 0.285 | 0.154 | 5.572 | 0.812 | 2.403 | 0.197 | 0.075 | 3.518 | 0.509 | 1.552 | 0.286 | 0.086 | 4.871 | 0.691 | 2.068 |
| 5 | OH | Muskingum River | 2872 | 5 | D028725 | 4.648 | 0.355 | 0.003 | 4.648 | 0.665 | 1.996 | 0.266 | 0.007 | 3.548 | 0.509 | 1.551 | 0.170 | 0.005 | 2.278 | 0.329 | 1.021 |
| 6 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 4.370 | 0.304 | 0.031 | 4.370 | 0.623 | 1.878 | 0.225 | 0.022 | 3.221 | 0.463 | 1.416 | 0.271 | 0.041 | 4.082 | 0.582 | 1.761 |
| 7 | MA | Brayton Point | 1619 | 4 | x07 | 4.306 | 0.151 | 0.049 | 2.638 | 0.377 | 1.164 | 0.267 | 0.058 | 4.306 | 0.606 | 1.829 | 0.139 | 0.078 | 2.847 | 0.410 | 1.260 |
| 8 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 3.324 | 0.235 | 0.018 | 3.324 | 0.474 | 1.449 | 0.142 | 0.030 | 2.221 | 0.323 | 1.004 | 0.110 | 0.014 | 1.609 | 0.233 | 0.731 |
| 9 | MA | Canal Station | 1599 | 1 | D015991 | 3.008 | 0.159 | 0.023 | 2.481 | 0.344 | 1.065 | 0.185 | 0.038 | 3.008 | 0.420 | 1.291 | 0.109 | 0.044 | 1.991 | 0.288 | 0.898 |
| 10 | NH | Newington | 8002 | 1 | D080021 | 2.850 | 0.106 | 0.144 | 2.775 | 0.473 | 1.447 | 0.112 | 0.068 | 2.470 | 0.340 | 1.053 | 0.125 | 0.092 | 2.850 | 0.410 | 1.261 |
| 11 | PA | Keystone | 3136 | 1 | D031361 | 2.775 | 0.171 | 0.033 | 2.775 | 0.383 | 1.182 | 0.086 | 0.074 | 1.972 | 0.303 | 0.942 | 0.080 | 0.032 | 1.466 | 0.213 | 0.669 |
| 12 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 2.688 | 0.168 | 0.036 | 2.688 | 0.383 | 1.180 | 0.079 | 0.066 | 1.809 | 0.275 | 0.859 | 0.096 | 0.028 | 1.615 | 0.234 | 0.734 |
| 13 | PA | Keystone | 3136 | 2 | D031362 | 2.677 | 0.164 | 0.032 | 2.677 | 0.368 | 1.138 | 0.082 | 0.072 | 1.900 | 0.293 | 0.913 | 0.077 | 0.032 | 1.413 | 0.205 | 0.645 |
| 14 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.525 | 0.155 | 0.016 | 2.233 | 0.323 | 1.001 | 0.135 | 0.016 | 1.973 | 0.285 | 0.888 | 0.176 | 0.018 | 2.525 | 0.364 | 1.125 |
| 15 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 2.426 | 0.177 | 0.011 | 2.426 | 0.352 | 1.090 | 0.118 | 0.025 | 1.886 | 0.270 | 0.842 | 0.146 | 0.015 | 2.107 | 0.305 | 0.948 |
| 16 | MA | Canal Station | 1599 | 2 | D015992 | 2.395 | 0.122 | 0.037 | 2.171 | 0.299 | 0.931 | 0.124 | 0.053 | 2.395 | 0.334 | 1.036 | 0.088 | 0.076 | 2.156 | 0.312 | 0.969 |
| 17 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 2.336 | 0.168 | 0.006 | 2.336 | 0.328 | 1.017 | 0.128 | 0.012 | 1.853 | 0.265 | 0.827 | 0.079 | 0.012 | 1.181 | 0.172 | 0.542 |
| 18 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 2.141 | 0.146 | 0.014 | 2.068 | 0.302 | 0.938 | 0.140 | 0.024 | 2.141 | 0.309 | 0.961 | 0.115 | 0.019 | 1.744 | 0.253 | 0.791 |
| 19 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.094 | 0.131 | 0.016 | 1.920 | 0.278 | 0.866 | 0.113 | 0.013 | 1.641 | 0.238 | 0.745 | 0.146 | 0.015 | 2.094 | 0.303 | 0.942 |
| 20 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 2.053 | 0.065 | 0.036 | 1.320 | 0.192 | 0.605 | 0.086 | 0.070 | 2.053 | 0.296 | 0.922 | 0.080 | 0.050 | 1.697 | 0.246 | 0.770 |
| 21 | MI | St. Clair | 1743 | 6 | D017436 | 2.049 | 0.095 | 0.008 | 1.345 | 0.196 | 0.616 | 0.150 | 0.009 | 2.049 | 0.300 | 0.932 | 0.105 | 0.009 | 1.487 | 0.216 | 0.678 |
| 22 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 1.936 | 0.141 | 0.010 | 1.936 | 0.284 | 0.886 | 0.083 | 0.017 | 1.319 | 0.190 | 0.599 | 0.074 | 0.011 | 1.104 | 0.161 | 0.508 |
| 23 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.883 | 0.035 | 0.003 | 0.499 | 0.073 | 0.234 | 0.141 | 0.007 | 1.883 | 0.278 | 0.867 | 0.080 | 0.008 | 1.152 | 0.168 | 0.529 |
| 24 | IN | Tanners Creek | 988 | U4 | D00988U4 | 1.879 | 0.123 | 0.007 | 1.704 | 0.246 | 0.771 | 0.133 | 0.011 | 1.879 | 0.272 | 0.849 | 0.086 | 0.007 | 1.208 | 0.176 | 0.554 |
| 25 | PA | Brunner Island | 3140 | 3 | D031403 | 1.851 | 0.065 | 0.045 | 1.445 | 0.208 | 0.654 | 0.055 | 0.055 | 1.447 | 0.211 | 0.662 | 0.073 | 0.068 | 1.851 | 0.268 | 0.837 |
| 26 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 1.831 | 0.112 | 0.017 | 1.831 | 0.245 | 0.766 | 0.101 | 0.032 | 1.775 | 0.252 | 0.787 | 0.074 | 0.029 | 1.343 | 0.195 | 0.614 |
| 27 | MI | Belle River | | 2 | D060342 | 1.810 | 0.076 | 0.032 | 1.409 | 0.204 | 0.640 | 0.090 | 0.024 | 1.508 | 0.216 | 0.678 | 0.088 | 0.050 | 1.810 | 0.262 | 0.819 |
| 28 | MI | St. Clair | 1743 | 7 | D017437 | 1.790 | 0.080 | 0.014 | 1.221 | 0.178 | 0.560 | 0.121 | 0.014 | 1.790 | 0.256 | 0.800 | 0.102 | 0.018 | 1.553 | 0.225 | 0.707 |
| 29 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 1.769 | 0.097 | 0.027 | 1.649 | 0.234 | 0.732 | 0.085 | 0.054 | 1.769 | 0.264 | 0.823 | 0.069 | 0.029 | 1.285 | 0.187 | 0.589 |
| 30 | WV | Harrison Power Station | | 1 (25%), 2 (20% | D03944C01 | 1.749 | 0.053 | 0.041 | 1.228 | 0.178 | 0.560 | 0.030 | 0.103 | 1.749 | 0.254 | 0.795 | 0.024 | 0.043 | 0.887 | 0.129 | 0.410 |
| 31 | NH | Merrimack | 2364 | 2 | D023642 | 1.695 | 0.046 | 0.140 | 1.695 | 0.355 | 1.098 | 0.046 | 0.102 | 1.621 | 0.284 | 0.885 | 0.048 | 0.074 | 1.596 | 0.232 | 0.726 |
| 32 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 1.687 | 0.105 | 0.015 | 1.687 | 0.228 | 0.714 | 0.094 | 0.029 | 1.637 | 0.233 | 0.730 | 0.069 | 0.026 | 1.239 | 0.180 | 0.568 |
| 33 | MI | Belle River | | 1 | D060341 | 1.680 | 0.067 | 0.032 | 1.306 | 0.188 | 0.591 | 0.080 | 0.024 | 1.397 | 0.197 | 0.620 | 0.078 | 0.050 | 1.680 | 0.244 | 0.762 |
| 34 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 1.637 | 0.065 | 0.011 | 0.949 | 0.143 | 0.451 | 0.099 | 0.028 | 1.637 | 0.239 | 0.750 | 0.040 | 0.013 | 0.690 | 0.101 | 0.320 |
| 35 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 1.623 | 0.119 | 0.006 | 1.623 | 0.236 | 0.740 | 0.099 | 0.010 | 1.420 | 0.206 | 0.646 | 0.095 | 0.007 | 1.328 | 0.193 | 0.608 |
| 36 | PA | Montour | 3149 | 1 | D031491 | 1.623 | 0.075 | 0.048 | 1.623 | 0.234 | 0.733 | 0.050 | 0.056 | 1.381 | 0.204 | 0.640 | 0.068 | 0.052 | 1.578 | 0.229 | 0.718 |
| 37 | PA | Homer City | | 3 | D031223 | 1.516 | 0.077 | 0.028 | 1.516 | 0.200 | 0.628 | 0.027 | 0.076 | 1.193 | 0.198 | 0.621 | 0.036 | 0.033 | 0.912 | 0.133 | 0.421 |
| 38 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 1.489 | 0.056 | 0.026 | 1.084 | 0.155 | 0.488 | 0.070 | 0.025 | 1.280 | 0.180 | 0.568 | 0.066 | 0.047 | 1.489 | 0.216 | 0.679 |
| 39 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 1.488 | 0.098 | 0.018 | 1.299 | 0.218 | 0.685 | 0.082 | 0.020 | 1.190 | 0.193 | 0.607 | 0.077 | 0.037 | 1.488 | 0.216 | 0.678 |
| 40 | PA | Montour | 3149 | 2 | D031492 | 1.462 | 0.061 | 0.048 | 1.462 | 0.209 | 0.655 | 0.041 | 0.056 | 1.225 | 0.186 | 0.586 | 0.056 | 0.052 | 1.415 | 0.206 | 0.646 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 1.393 | 0.110 | 0.003 | 1.393 | 0.213 | 0.670 | 0.035 | 0.003 | 0.486 | 0.071 | 0.228 | 0.040 | 0.003 | 0.558 | 0.082 | 0.260 |
| 42 | OH | Killen Station | 6031 | 2 | D060312 | 1.221 | 0.064 | 0.026 | 1.221 | 0.172 | 0.541 | 0.036 | 0.048 | 0.986 | 0.160 | 0.506 | 0.052 | 0.030 | 1.072 | 0.156 | 0.493 |
| 43 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 1.203 | 0.059 | 0.019 | **1.203** | 0.149 | 0.472 | 0.048 | 0.036 | **1.077** | 0.160 | 0.506 | 0.034 | 0.023 | 0.754 | 0.110 | 0.350 |
| 44 | MD | C P Crane | 1552 | 2 | D015522 | 1.196 | 0.036 | 0.018 | 0.752 | 0.103 | 0.329 | 0.037 | 0.022 | 0.796 | 0.113 | 0.358 | 0.054 | 0.037 | **1.196** | 0.174 | 0.549 |
| 45 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.167 | 0.031 | 0.010 | 0.542 | 0.078 | 0.248 | 0.037 | 0.016 | 0.696 | 0.101 | 0.321 | 0.059 | 0.031 | **1.167** | 0.170 | 0.536 |
| 46 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 1.163 | 0.065 | 0.002 | 0.836 | 0.127 | 0.403 | 0.077 | 0.002 | 0.985 | 0.150 | 0.473 | 0.086 | 0.003 | **1.163** | 0.169 | 0.534 |
| 47 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.158 | 0.060 | 0.006 | 0.791 | 0.127 | 0.401 | 0.094 | 0.007 | **1.158** | 0.193 | 0.607 | 0.050 | 0.009 | 0.758 | 0.111 | 0.351 |
| 48 | NH | Schiller | 2367 | 4 | | 1.155 | 0.049 | 0.032 | **1.053** | 0.155 | 0.488 | 0.059 | 0.029 | **1.155** | 0.169 | 0.532 | 0.053 | 0.021 | 0.961 | 0.140 | 0.443 |
| 49 | NH | Schiller | 2367 | 6 | | 1.116 | 0.050 | 0.027 | **1.018** | 0.147 | 0.464 | 0.060 | 0.025 | **1.116** | 0.162 | 0.511 | 0.053 | 0.018 | 0.928 | 0.135 | 0.429 |
| 50 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 1.085 | 0.052 | 0.010 | 0.802 | 0.118 | 0.374 | 0.063 | 0.020 | **1.085** | 0.158 | 0.499 | 0.037 | 0.011 | 0.635 | 0.093 | 0.295 |
| 51 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 1.058 | 0.063 | 0.014 | **1.058** | 0.146 | 0.462 | 0.032 | 0.014 | 0.601 | 0.086 | 0.275 | 0.041 | 0.023 | 0.837 | 0.122 | 0.387 |
| 52 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 1.021 | 0.069 | 0.007 | **1.002** | 0.145 | 0.458 | 0.060 | 0.019 | **1.021** | 0.149 | 0.472 | 0.046 | 0.011 | 0.751 | 0.110 | 0.348 |
| 53 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.001 | 0.045 | 0.006 | 0.643 | 0.097 | 0.308 | 0.076 | 0.007 | **1.001** | 0.157 | 0.496 | 0.047 | 0.009 | 0.720 | 0.105 | 0.334 |
| 54 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.969 | 0.060 | 0.015 | 0.969 | 0.143 | 0.451 | 0.042 | 0.010 | 0.660 | 0.098 | 0.311 | 0.046 | 0.019 | 0.855 | 0.125 | 0.395 |
| 55 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.968 | 0.059 | 0.002 | 0.797 | 0.116 | 0.369 | 0.072 | 0.002 | 0.968 | 0.141 | 0.446 | 0.047 | 0.002 | 0.631 | 0.092 | 0.293 |
| 56 | OH | Conesville | 2840 | 5,6 | D02840C06 | 0.967 | 0.051 | 0.019 | 0.765 | 0.133 | 0.421 | 0.027 | 0.043 | 0.967 | 0.135 | 0.426 | 0.023 | 0.027 | 0.655 | 0.096 | 0.304 |
| 57 | MA | Brayton Point | 1619 | 2 | D016192 | 0.947 | 0.028 | 0.048 | 0.875 | 0.145 | 0.459 | 0.032 | 0.038 | 0.947 | 0.133 | 0.422 | 0.028 | 0.036 | 0.846 | 0.123 | 0.391 |
| 58 | GA | Yates | | Y6BR | D00728Y6R | 0.936 | 0.048 | 0.004 | 0.680 | 0.100 | 0.316 | 0.046 | 0.005 | 0.657 | 0.096 | 0.307 | 0.067 | 0.005 | 0.936 | 0.137 | 0.432 |
| 59 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 0.891 | 0.051 | 0.002 | 0.682 | 0.100 | 0.317 | 0.067 | 0.002 | 0.891 | 0.130 | 0.412 | 0.044 | 0.001 | 0.593 | 0.087 | 0.276 |
| 60 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 0.882 | 0.049 | 0.013 | 0.882 | 0.117 | 0.371 | 0.035 | 0.031 | 0.870 | 0.125 | 0.396 | 0.021 | 0.022 | 0.553 | 0.081 | 0.258 |
| 61 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.855 | 0.038 | 0.025 | 0.841 | 0.120 | 0.379 | 0.050 | 0.017 | 0.854 | 0.128 | 0.406 | 0.044 | 0.022 | 0.855 | 0.125 | 0.395 |
| 62 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.847 | 0.051 | 0.007 | 0.758 | 0.110 | 0.350 | 0.055 | 0.010 | 0.847 | 0.124 | 0.393 | 0.035 | 0.006 | 0.539 | 0.079 | 0.251 |
| 63 | MO | Sibley | | 1, 2, 3 | D02094C01 | 0.847 | 0.048 | 0.021 | 0.847 | 0.131 | 0.416 | 0.027 | 0.010 | 0.470 | 0.072 | 0.228 | 0.044 | 0.013 | 0.746 | 0.109 | 0.346 |
| 64 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.837 | 0.043 | 0.013 | 0.837 | 0.107 | 0.341 | 0.031 | 0.020 | 0.694 | 0.098 | 0.311 | 0.018 | 0.015 | 0.428 | 0.063 | 0.200 |
| 65 | MA | Brayton Point | 1619 | 3 | D016193 | 0.818 | 0.023 | 0.021 | 0.590 | 0.084 | 0.267 | 0.033 | 0.017 | 0.818 | 0.097 | 0.308 | 0.021 | 0.020 | 0.535 | 0.078 | 0.249 |
| 66 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.809 | 0.046 | 0.001 | 0.620 | 0.091 | 0.288 | 0.061 | 0.002 | 0.809 | 0.118 | 0.374 | 0.040 | 0.001 | 0.539 | 0.079 | 0.251 |
| 67 | PA | Martins Creek | 3148 | 3,4 | x21 | 0.778 | 0.001 | 0.056 | 0.755 | 0.111 | 0.352 | 0.001 | 0.060 | 0.778 | 0.119 | 0.378 | 0.001 | 0.054 | 0.737 | 0.108 | 0.342 |
| 68 | PA | Cheswick | 8226 | 1 | D082261 | 0.769 | 0.028 | 0.020 | 0.769 | 0.091 | 0.290 | 0.016 | 0.042 | 0.529 | 0.111 | 0.353 | 0.014 | 0.016 | 0.397 | 0.058 | 0.185 |
| 69 | IA | Ottumwa | | 1 | D062541 | 0.745 | 0.037 | 0.019 | 0.745 | 0.107 | 0.339 | 0.028 | 0.013 | 0.545 | 0.077 | 0.247 | 0.033 | 0.019 | 0.688 | 0.101 | 0.319 |
| 70 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.694 | 0.040 | 0.009 | 0.694 | 0.094 | 0.300 | 0.026 | 0.017 | 0.551 | 0.082 | 0.262 | 0.021 | 0.011 | 0.423 | 0.062 | 0.198 |
| 71 | MD | C P Crane | 1552 | 1 | D015521 | 0.668 | 0.018 | 0.011 | 0.421 | 0.057 | 0.182 | 0.019 | 0.014 | 0.445 | 0.063 | 0.200 | 0.027 | 0.024 | 0.668 | 0.098 | 0.310 |
| 72 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 0.668 | 0.023 | 0.002 | 0.318 | 0.047 | 0.150 | 0.027 | 0.004 | 0.406 | 0.059 | 0.190 | 0.045 | 0.006 | 0.668 | 0.098 | 0.310 |
| 73 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 0.661 | 0.048 | 0.003 | 0.645 | 0.097 | 0.308 | 0.044 | 0.006 | 0.661 | 0.096 | 0.307 | 0.039 | 0.005 | 0.584 | 0.085 | 0.272 |
| 74 | NH | Merrimack | 2364 | 1 | D023641 | 0.649 | 0.016 | 0.057 | 0.649 | 0.142 | 0.448 | 0.016 | 0.042 | 0.623 | 0.111 | 0.353 | 0.017 | 0.030 | 0.617 | 0.090 | 0.287 |
| 75 | NJ | B L England | 2378 | 2,3 | x12 | 0.643 | 0.024 | 0.017 | 0.521 | 0.078 | 0.247 | 0.021 | 0.016 | 0.471 | 0.070 | 0.224 | 0.035 | 0.014 | 0.643 | 0.094 | 0.299 |
| 76 | IA | George Neal South | | 4 | D073434 | 0.638 | 0.014 | 0.008 | 0.287 | 0.042 | 0.135 | 0.026 | 0.010 | 0.502 | 0.070 | 0.224 | 0.031 | 0.018 | 0.638 | 0.093 | 0.297 |
| 77 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.637 | 0.025 | 0.010 | 0.556 | 0.066 | 0.211 | 0.030 | 0.010 | 0.637 | 0.077 | 0.246 | 0.021 | 0.003 | 0.311 | 0.046 | 0.146 |
| 78 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 0.629 | 0.033 | 0.014 | 0.515 | 0.089 | 0.284 | 0.029 | 0.020 | 0.629 | 0.093 | 0.296 | 0.017 | 0.012 | 0.384 | 0.056 | 0.180 |
| 79 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33% | D02535C01 | 0.606 | 0.037 | 0.008 | 0.606 | 0.086 | 0.274 | 0.036 | 0.007 | 0.581 | 0.082 | 0.261 | 0.030 | 0.009 | 0.514 | 0.075 | 0.240 |
| 80 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 0.596 | 0.030 | 0.001 | 0.430 | 0.059 | 0.188 | 0.039 | 0.001 | 0.571 | 0.077 | 0.244 | 0.045 | 0.001 | 0.596 | 0.087 | 0.277 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.588 | 0.039 | 0.008 | 0.588 | 0.090 | 0.286 | 0.026 | 0.008 | 0.425 | 0.064 | 0.203 | 0.025 | 0.011 | 0.465 | 0.068 | 0.217 |
| 82 | TX | Big Brown | 3497 | 1 | | 0.588 | 0.042 | 0.004 | 0.588 | 0.087 | 0.276 | 0.036 | 0.002 | 0.500 | 0.074 | 0.234 | 0.017 | 0.000 | 0.224 | 0.033 | 0.105 |
| 83 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 0.581 | 0.031 | 0.008 | 0.581 | 0.073 | 0.234 | 0.022 | 0.012 | 0.463 | 0.065 | 0.207 | 0.013 | 0.009 | 0.281 | 0.041 | 0.132 |
| 84 | MA | Brayton Point | 1619 | 1 | D016191 | 0.574 | 0.029 | 0.013 | 0.518 | 0.079 | 0.253 | 0.033 | 0.011 | 0.574 | 0.084 | 0.267 | 0.029 | 0.010 | 0.496 | 0.073 | 0.231 |
| 85 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.573 | 0.033 | 0.008 | 0.547 | 0.079 | 0.252 | 0.031 | 0.007 | 0.493 | 0.072 | 0.229 | 0.037 | 0.007 | 0.573 | 0.084 | 0.267 |
| 86 | TX | Big Brown | 3497 | 2 | | 0.564 | 0.040 | 0.004 | 0.564 | 0.084 | 0.267 | 0.035 | 0.002 | 0.480 | 0.071 | 0.226 | 0.016 | 0.001 | 0.215 | 0.032 | 0.101 |
| 87 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.561 | 0.038 | 0.009 | 0.561 | 0.089 | 0.283 | 0.025 | 0.009 | 0.415 | 0.064 | 0.203 | 0.024 | 0.013 | 0.473 | 0.069 | 0.221 |
| 88 | MD | Brandon Shores | 602 | 2 | D006022 | 0.501 | 0.017 | 0.006 | 0.253 | 0.045 | 0.144 | 0.021 | 0.008 | 0.303 | 0.055 | 0.177 | 0.023 | 0.015 | 0.501 | 0.073 | 0.233 |
| 89 | MD | Brandon Shores | 602 | 1 | D006021 | 0.472 | 0.019 | 0.005 | 0.242 | 0.044 | 0.142 | 0.023 | 0.006 | 0.291 | 0.055 | 0.176 | 0.025 | 0.011 | 0.472 | 0.069 | 0.220 |
| 90 | KY | Paradise | 1378 | 2 | D013782 | 0.460 | 0.031 | 0.005 | 0.460 | 0.067 | 0.214 | 0.020 | 0.004 | 0.305 | 0.046 | 0.146 | 0.018 | 0.003 | 0.275 | 0.040 | 0.129 |
| 91 | MI | Monroe | 1733 | 1,2 | D01733C12 | 0.441 | 0.009 | 0.010 | 0.281 | 0.035 | 0.113 | 0.007 | 0.015 | 0.262 | 0.042 | 0.134 | 0.013 | 0.021 | 0.441 | 0.064 | 0.206 |
| 92 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.433 | 0.022 | 0.007 | 0.433 | 0.056 | 0.179 | 0.017 | 0.014 | 0.402 | 0.060 | 0.193 | 0.017 | 0.012 | 0.383 | 0.056 | 0.179 |
| 93 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 0.427 | 0.012 | 0.008 | 0.353 | 0.039 | 0.125 | 0.014 | 0.020 | 0.427 | 0.065 | 0.208 | 0.009 | 0.012 | 0.286 | 0.042 | 0.134 |
| 94 | TX | Martin Lake | 6146 | 1 | | 0.426 | 0.027 | 0.006 | 0.426 | 0.063 | 0.201 | 0.024 | 0.004 | 0.351 | 0.052 | 0.166 | 0.011 | 0.001 | 0.152 | 0.022 | 0.071 |
| 95 | MD | Morgantown | 1573 | 1 | D015731 | 0.418 | 0.018 | 0.003 | 0.290 | 0.041 | 0.133 | 0.020 | 0.004 | 0.317 | 0.046 | 0.146 | 0.026 | 0.006 | 0.418 | 0.061 | 0.195 |
| 96 | TX | Monticello | 6147 | 1 | | 0.404 | 0.028 | 0.003 | 0.404 | 0.059 | 0.187 | 0.024 | 0.002 | 0.339 | 0.049 | 0.158 | 0.011 | 0.000 | 0.149 | 0.022 | 0.070 |
| 97 | TX | Martin Lake | 6146 | 3 | | 0.404 | 0.026 | 0.006 | 0.404 | 0.060 | 0.191 | 0.022 | 0.003 | 0.333 | 0.049 | 0.157 | 0.010 | 0.001 | 0.144 | 0.021 | 0.068 |
| 98 | OK | Grand River Dam Authority | | 1 | D001651 | 0.383 | 0.022 | 0.000 | 0.383 | 0.043 | 0.137 | 0.018 | 0.000 | 0.278 | 0.035 | 0.113 | 0.013 | 0.000 | 0.171 | 0.025 | 0.080 |
| 99 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 0.375 | 0.014 | 0.006 | 0.315 | 0.037 | 0.119 | 0.015 | 0.015 | 0.375 | 0.058 | 0.184 | 0.010 | 0.009 | 0.251 | 0.037 | 0.118 |
| 100 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.372 | 0.002 | 0.015 | 0.235 | 0.033 | 0.107 | 0.004 | 0.020 | 0.372 | 0.046 | 0.146 | 0.003 | 0.020 | 0.303 | 0.044 | 0.142 |
| 101 | KY | Paradise | 1378 | 1 | D01720C09 | 0.367 | 0.024 | 0.004 | 0.367 | 0.054 | 0.172 | 0.016 | 0.004 | 0.244 | 0.037 | 0.117 | 0.015 | 0.002 | 0.220 | 0.032 | 0.103 |
| 102 | KY | Paradise | 1378 | 3 | D013783 | 0.353 | 0.020 | 0.008 | 0.353 | 0.053 | 0.169 | 0.013 | 0.009 | 0.306 | 0.042 | 0.134 | 0.012 | 0.005 | 0.223 | 0.033 | 0.105 |
| 103 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 0.350 | 0.024 | 0.002 | 0.350 | 0.051 | 0.163 | 0.008 | 0.002 | 0.126 | 0.019 | 0.060 | 0.009 | 0.001 | 0.134 | 0.020 | 0.063 |
| 104 | OH | J M Stuart | 2850 | 4 | D028404 | 0.342 | 0.020 | 0.005 | 0.342 | 0.047 | 0.151 | 0.012 | 0.011 | 0.267 | 0.043 | 0.138 | 0.015 | 0.007 | 0.290 | 0.042 | 0.136 |
| 105 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.332 | 0.011 | 0.010 | 0.276 | 0.040 | 0.129 | 0.014 | 0.011 | 0.332 | 0.049 | 0.155 | 0.012 | 0.011 | 0.296 | 0.043 | 0.139 |
| 106 | TX | Martin Lake | 6146 | 2 | | 0.325 | 0.021 | 0.006 | 0.325 | 0.050 | 0.160 | 0.018 | 0.003 | 0.270 | 0.041 | 0.131 | 0.008 | 0.001 | 0.118 | 0.017 | 0.055 |
| 107 | KY | Mill Creek | 1364 | 4 | D013644 | 0.320 | 0.004 | 0.006 | 0.208 | 0.020 | 0.063 | 0.006 | 0.015 | 0.320 | 0.040 | 0.129 | 0.002 | 0.008 | 0.138 | 0.020 | 0.065 |
| 108 | MO | Labadie | | 4 | D021034 | 0.317 | 0.021 | 0.003 | 0.317 | 0.046 | 0.148 | 0.020 | 0.003 | 0.299 | 0.044 | 0.139 | 0.016 | 0.003 | 0.248 | 0.036 | 0.116 |
| 109 | DE | Indian River | 594 | 4 | D005944 | 0.312 | 0.018 | 0.002 | 0.253 | 0.038 | 0.122 | 0.022 | 0.003 | 0.312 | 0.046 | 0.149 | 0.011 | 0.002 | 0.170 | 0.025 | 0.080 |
| 110 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.309 | 0.019 | 0.005 | 0.309 | 0.047 | 0.150 | 0.014 | 0.004 | 0.215 | 0.033 | 0.105 | 0.013 | 0.007 | 0.260 | 0.038 | 0.122 |
| 111 | OH | Cardinal | 2828 | 3 | D028283 | 0.291 | 0.015 | 0.005 | 0.291 | 0.038 | 0.122 | 0.010 | 0.011 | 0.191 | 0.039 | 0.124 | 0.009 | 0.004 | 0.181 | 0.027 | 0.085 |
| 112 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.254 | 0.001 | 0.006 | 0.110 | 0.013 | 0.042 | 0.003 | 0.008 | 0.254 | 0.021 | 0.068 | 0.002 | 0.015 | 0.226 | 0.033 | 0.106 |
| 113 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.217 | 0.001 | 0.005 | 0.096 | 0.012 | 0.038 | 0.002 | 0.008 | 0.217 | 0.020 | 0.064 | 0.001 | 0.014 | 0.201 | 0.029 | 0.094 |
| 114 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.214 | 0.009 | 0.002 | 0.142 | 0.022 | 0.070 | 0.011 | 0.002 | 0.171 | 0.025 | 0.079 | 0.014 | 0.003 | 0.214 | 0.031 | 0.100 |
| 115 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.199 | 0.007 | 0.003 | 0.136 | 0.020 | 0.064 | 0.008 | 0.004 | 0.161 | 0.023 | 0.074 | 0.010 | 0.005 | 0.199 | 0.029 | 0.093 |
| 116 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.181 | 0.003 | 0.002 | 0.181 | 0.010 | 0.033 | 0.001 | 0.004 | 0.077 | 0.010 | 0.031 | 0.001 | 0.002 | 0.040 | 0.006 | 0.019 |
| 117 | WI | Columbia | | 1 | D080231 | 0.176 | 0.005 | 0.008 | 0.171 | 0.024 | 0.078 | 0.005 | 0.009 | 0.176 | 0.026 | 0.083 | 0.005 | 0.009 | 0.176 | 0.026 | 0.083 |
| 118 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.175 | 0.003 | 0.002 | 0.175 | 0.010 | 0.032 | 0.001 | 0.003 | 0.067 | 0.008 | 0.025 | 0.001 | 0.002 | 0.035 | 0.005 | 0.016 |
| 119 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.175 | 0.007 | 0.005 | 0.142 | 0.022 | 0.071 | 0.008 | 0.005 | 0.175 | 0.025 | 0.081 | 0.007 | 0.005 | 0.159 | 0.023 | 0.075 |
| 120 | GA | Scherer | | 1 | D062571 | 0.162 | 0.001 | 0.004 | 0.101 | 0.010 | 0.030 | 0.001 | 0.009 | 0.111 | 0.019 | 0.060 | 0.001 | 0.011 | 0.162 | 0.024 | 0.076 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | GA | Scherer | | 4 | D062574 | 0.162 | 0.001 | 0.004 | 0.102 | 0.010 | 0.031 | 0.001 | 0.009 | 0.110 | 0.019 | 0.059 | 0.001 | 0.011 | 0.162 | 0.024 | 0.076 |
| 122 | WI | Columbia | | 2 | D080232 | 0.154 | 0.004 | 0.006 | 0.123 | 0.020 | 0.064 | 0.005 | 0.008 | 0.152 | 0.025 | 0.079 | 0.005 | 0.006 | 0.154 | 0.023 | 0.073 |
| 123 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.149 | 0.007 | 0.003 | 0.149 | 0.019 | 0.061 | 0.003 | 0.003 | 0.073 | 0.013 | 0.041 | 0.003 | 0.002 | 0.071 | 0.010 | 0.033 |
| 124 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.146 | 0.007 | 0.003 | 0.146 | 0.018 | 0.059 | 0.003 | 0.004 | 0.072 | 0.013 | 0.041 | 0.003 | 0.002 | 0.070 | 0.010 | 0.033 |
| 125 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.139 | 0.006 | 0.001 | 0.095 | 0.014 | 0.045 | 0.007 | 0.001 | 0.112 | 0.016 | 0.053 | 0.009 | 0.001 | 0.139 | 0.020 | 0.065 |
| 126 | GA | Scherer | | 2 | D062572 | 0.123 | 0.000 | 0.003 | 0.077 | 0.007 | 0.023 | 0.000 | 0.007 | 0.084 | 0.014 | 0.045 | 0.001 | 0.009 | 0.123 | 0.018 | 0.058 |
| 127 | GA | Yates | | Y7BR | D00728Y7R | 0.072 | 0.000 | 0.004 | 0.052 | 0.009 | 0.028 | 0.000 | 0.005 | 0.051 | 0.010 | 0.031 | 0.000 | 0.005 | 0.072 | 0.011 | 0.034 |
| 128 | KS | La Cygne | 1241 | 1 | | 0.042 | 0.003 | 0.000 | 0.042 | 0.006 | 0.019 | 0.003 | 0.000 | 0.033 | 0.005 | 0.017 | 0.003 | 0.000 | 0.037 | 0.005 | 0.017 |
| 129 | VA | Bremo Power Station | | 4 | D037964 | 0.026 | 0.000 | 0.002 | 0.021 | 0.003 | 0.010 | 0.000 | 0.001 | 0.019 | 0.003 | 0.009 | 0.000 | 0.002 | 0.026 | 0.004 | 0.012 |
| 130 | KS | La Cygne | | 2 | D012412 | 0.011 | 0.001 | 0.000 | 0.011 | 0.002 | 0.005 | 0.001 | 0.000 | 0.011 | 0.002 | 0.006 | 0.001 | 0.000 | 0.011 | 0.002 | 0.005 |

## F.3 2011 EGU Ranking Visibility Impairing Sources to Brigantine

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 41.713 | 3.221 | 0.209 | 41.713 | 2.691 | 7.590 | 2.158 | 0.600 | 32.539 | 2.158 | 6.346 | 1.335 | 0.231 | 18.113 | 1.258 | 4.010 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 17.707 | 0.826 | 0.036 | 9.838 | 0.703 | 2.374 | 1.242 | 0.292 | 17.707 | 1.232 | 3.936 | 0.626 | 0.100 | 8.251 | 0.593 | 2.027 |
| 3 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 16.366 | 1.142 | 0.103 | 14.324 | 1.008 | 3.294 | 1.159 | 0.262 | 16.366 | 1.144 | 3.687 | 0.805 | 0.255 | 12.113 | 0.859 | 2.851 |
| 4 | NJ | B L England | 2378 | 1 | | 12.001 | 0.862 | 0.188 | 12.001 | 0.851 | 2.828 | 0.328 | 0.046 | 4.220 | 0.308 | 1.088 | 0.180 | 0.036 | 2.430 | 0.178 | 0.641 |
| 5 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 8.843 | 0.753 | 0.023 | 8.843 | 0.634 | 2.158 | 0.566 | 0.036 | 6.819 | 0.492 | 1.704 | 0.409 | 0.034 | 5.006 | 0.364 | 1.278 |
| 6 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 7.899 | 0.316 | 0.053 | 4.163 | 0.304 | 1.074 | 0.353 | 0.092 | 5.032 | 0.366 | 1.285 | 0.603 | 0.093 | 7.899 | 0.568 | 1.949 |
| 7 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 7.637 | 0.427 | 0.065 | 5.555 | 0.403 | 1.409 | 0.358 | 0.136 | 5.587 | 0.405 | 1.417 | 0.583 | 0.090 | 7.637 | 0.550 | 1.890 |
| 8 | WV | Harrison Power Station | | 1 (25%), 2 (20 | D03944C01 | 6.653 | 0.045 | 0.066 | 1.254 | 0.092 | 0.336 | 0.110 | 0.470 | 6.653 | 0.481 | 1.665 | 0.056 | 0.109 | 1.873 | 0.138 | 0.498 |
| 9 | PA | Homer City | 3122 | 2 | D031222 | 6.204 | 0.316 | 0.026 | 3.851 | 0.281 | 0.998 | 0.437 | 0.053 | 5.544 | 0.402 | 1.406 | 0.463 | 0.086 | 6.204 | 0.449 | 1.561 |
| 10 | NJ | B L England | 2378 | 2,3 | x12 | 6.112 | 0.265 | 0.273 | 6.112 | 0.443 | 1.540 | 0.101 | 0.067 | 1.891 | 0.139 | 0.502 | 0.055 | 0.053 | 1.222 | 0.090 | 0.327 |
| 11 | PA | Homer City | 3122 | 1 | D031221 | 6.016 | 0.316 | 0.021 | 3.792 | 0.277 | 0.983 | 0.437 | 0.044 | 5.429 | 0.394 | 1.379 | 0.462 | 0.070 | 6.016 | 0.436 | 1.517 |
| 12 | MI | Monroe | 1733 | 1,2 | D01733C12 | 5.881 | 0.220 | 0.054 | 3.076 | 0.225 | 0.805 | 0.396 | 0.124 | 5.881 | 0.426 | 1.486 | 0.317 | 0.104 | 4.754 | 0.346 | 1.218 |
| 13 | OH | Eastlake | | 5 | D028375 | 5.606 | 0.149 | 0.028 | 1.992 | 0.146 | 0.528 | 0.322 | 0.044 | 4.120 | 0.300 | 1.064 | 0.411 | 0.085 | 5.606 | 0.407 | 1.421 |
| 14 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 5.377 | 0.254 | 0.098 | 3.974 | 0.290 | 1.028 | 0.408 | 0.068 | 5.377 | 0.390 | 1.367 | 0.195 | 0.095 | 3.266 | 0.239 | 0.852 |
| 15 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 5.168 | 0.215 | 0.024 | 2.689 | 0.197 | 0.707 | 0.380 | 0.059 | 4.956 | 0.360 | 1.266 | 0.415 | 0.043 | 5.168 | 0.375 | 1.317 |
| 16 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 5.077 | 0.079 | 0.034 | 1.262 | 0.093 | 0.338 | 0.168 | 0.086 | 2.868 | 0.210 | 0.752 | 0.301 | 0.148 | 5.077 | 0.369 | 1.295 |
| 17 | MD | Brandon Shores | 602 | 2 | D006022 | 4.976 | 0.020 | 0.099 | 1.354 | 0.100 | 0.362 | 0.056 | 0.378 | 4.976 | 0.362 | 1.271 | 0.052 | 0.127 | 2.038 | 0.150 | 0.540 |
| 18 | VA | Chesapeake Energy Center | | 4 | D038034 | 4.916 | 0.362 | 0.074 | 4.916 | 0.358 | 1.257 | 0.331 | 0.083 | 4.673 | 0.340 | 1.198 | 0.314 | 0.074 | 4.375 | 0.319 | 1.126 |
| 19 | PA | Montour | 3149 | 1 | D031491 | 4.810 | 0.074 | 0.064 | 1.562 | 0.115 | 0.417 | 0.205 | 0.219 | 4.810 | 0.350 | 1.231 | 0.163 | 0.242 | 4.607 | 0.335 | 1.182 |
| 20 | OH | Muskingum River | 2872 | 5 | D028725 | 4.784 | 0.266 | 0.005 | 3.036 | 0.222 | 0.795 | 0.390 | 0.034 | 4.784 | 0.348 | 1.225 | 0.200 | 0.012 | 2.370 | 0.174 | 0.626 |
| 21 | MD | Brandon Shores | 602 | 1 | D006021 | 4.722 | 0.021 | 0.093 | 1.292 | 0.095 | 0.346 | 0.057 | 0.355 | 4.722 | 0.344 | 1.210 | 0.054 | 0.119 | 1.961 | 0.144 | 0.520 |
| 22 | MA | Brayton Point | 1619 | 3 | D016193 | 4.623 | 0.251 | 0.037 | 3.240 | 0.237 | 0.846 | 0.261 | 0.052 | 3.516 | 0.257 | 0.914 | 0.352 | 0.058 | 4.623 | 0.337 | 1.186 |
| 23 | MD | Morgantown | 1573 | 1 | D015731 | 4.619 | 0.205 | 0.008 | 2.394 | 0.176 | 0.632 | 0.283 | 0.017 | 3.372 | 0.247 | 0.879 | 0.385 | 0.024 | 4.619 | 0.336 | 1.185 |
| 24 | PA | Montour | 3149 | 2 | D031492 | 4.599 | 0.075 | 0.058 | 1.501 | 0.111 | 0.401 | 0.207 | 0.199 | 4.599 | 0.335 | 1.180 | 0.165 | 0.219 | 4.359 | 0.318 | 1.122 |
| 25 | PA | Portland | | 3 (2) | d031132 | 4.570 | 0.206 | 0.073 | 3.142 | 0.230 | 0.821 | 0.277 | 0.082 | 4.043 | 0.295 | 1.045 | 0.286 | 0.119 | 4.570 | 0.333 | 1.173 |
| 26 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 4.496 | 0.108 | 0.039 | 1.645 | 0.121 | 0.438 | 0.294 | 0.027 | 3.618 | 0.264 | 0.940 | 0.313 | 0.085 | 4.496 | 0.327 | 1.155 |
| 27 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 4.468 | 0.371 | 0.025 | 4.468 | 0.325 | 1.148 | 0.273 | 0.057 | 3.716 | 0.271 | 0.964 | 0.194 | 0.025 | 2.467 | 0.181 | 0.650 |
| 28 | PA | Cheswick | 8226 | 1 | D082261 | 4.404 | 0.228 | 0.049 | 3.122 | 0.228 | 0.816 | 0.316 | 0.075 | 4.404 | 0.321 | 1.133 | 0.275 | 0.098 | 4.209 | 0.307 | 1.085 |
| 29 | PA | Brunner Island | 3140 | 3 | D031403 | 4.290 | 0.085 | 0.088 | 1.954 | 0.144 | 0.518 | 0.227 | 0.111 | 3.819 | 0.279 | 0.990 | 0.224 | 0.155 | 4.290 | 0.313 | 1.105 |
| 30 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 4.108 | 0.307 | 0.027 | 3.755 | 0.274 | 0.974 | 0.301 | 0.064 | 4.108 | 0.300 | 1.061 | | | | | |
| 31 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 4.068 | 0.325 | 0.036 | 4.068 | 0.297 | 1.051 | 0.305 | 0.034 | 3.814 | 0.278 | 0.988 | 0.289 | 0.048 | 3.792 | 0.277 | 0.983 |
| 32 | MI | St. Clair | 1743 | 7 | D017437 | 3.994 | 0.107 | 0.010 | 1.312 | 0.097 | 0.351 | 0.217 | 0.026 | 2.725 | 0.200 | 0.716 | 0.319 | 0.036 | 3.994 | 0.291 | 1.033 |
| 33 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 3.940 | 0.060 | 0.090 | 1.700 | 0.125 | 0.453 | 0.189 | 0.159 | 3.940 | 0.288 | 1.019 | 0.153 | 0.167 | 3.626 | 0.265 | 0.942 |
| 34 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 3.934 | 0.319 | 0.030 | 3.934 | 0.287 | 1.018 | 0.315 | 0.032 | 3.904 | 0.285 | 1.010 | 0.175 | 0.038 | 2.389 | 0.175 | 0.630 |
| 35 | MI | Belle River | | 2 | D060342 | 3.912 | 0.057 | 0.025 | 0.927 | 0.068 | 0.249 | 0.127 | 0.056 | 2.064 | 0.152 | 0.547 | 0.237 | 0.110 | 3.912 | 0.285 | 1.013 |
| 36 | MI | Belle River | | 1 | D060341 | 3.860 | 0.056 | 0.025 | 0.914 | 0.067 | 0.246 | 0.125 | 0.056 | 2.036 | 0.150 | 0.540 | 0.232 | 0.109 | 3.860 | 0.282 | 1.000 |
| 37 | VA | Chesapeake Energy Center | | 3 | D038033 | 3.795 | 0.253 | 0.083 | 3.795 | 0.277 | 0.984 | 0.232 | 0.092 | 3.654 | 0.267 | 0.949 | 0.220 | 0.079 | 3.364 | 0.246 | 0.877 |
| 38 | PA | Keystone | 3136 | 1 | D031361 | 3.789 | 0.164 | 0.068 | 2.619 | 0.192 | 0.689 | 0.177 | 0.118 | 3.339 | 0.244 | 0.871 | 0.247 | 0.089 | 3.789 | 0.277 | 0.982 |
| 39 | PA | Keystone | 3136 | 2 | D031362 | 3.771 | 0.164 | 0.068 | 2.607 | 0.191 | 0.686 | 0.177 | 0.117 | 3.321 | 0.243 | 0.866 | 0.246 | 0.088 | 3.771 | 0.275 | 0.978 |
| 40 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 3.714 | 0.099 | 0.020 | 1.338 | 0.099 | 0.358 | 0.185 | 0.057 | 2.722 | 0.200 | 0.715 | 0.265 | 0.065 | 3.714 | 0.271 | 0.964 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 3.675 | 0.240 | 0.066 | 3.436 | 0.251 | 0.895 | 0.237 | 0.089 | 3.675 | 0.268 | 0.954 | 0.187 | 0.094 | 3.164 | 0.232 | 0.827 |
| 42 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 3.531 | 0.304 | 0.010 | 3.531 | 0.258 | 0.918 | 0.228 | 0.015 | 2.737 | 0.201 | 0.719 | 0.165 | 0.014 | 2.013 | 0.148 | 0.534 |
| 43 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 3.405 | 0.064 | 0.036 | 1.130 | 0.083 | 0.303 | 0.183 | 0.119 | 3.405 | 0.249 | 0.887 | 0.167 | 0.031 | 2.230 | 0.164 | 0.590 |
| 44 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 3.347 | 0.114 | 0.022 | 1.533 | 0.113 | 0.409 | 0.205 | 0.091 | 3.347 | 0.245 | 0.873 | 0.124 | 0.038 | 1.825 | 0.134 | 0.485 |
| 45 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 3.340 | 0.221 | 0.036 | 2.889 | 0.212 | 0.758 | 0.158 | 0.030 | 2.117 | 0.156 | 0.561 | 0.271 | 0.026 | 3.340 | 0.244 | 0.871 |
| 46 | MD | C P Crane | 1552 | 2 | D015522 | 3.324 | 0.090 | 0.032 | 1.367 | 0.101 | 0.366 | 0.159 | 0.135 | 3.324 | 0.243 | 0.867 | 0.144 | 0.081 | 2.533 | 0.186 | 0.667 |
| 47 | OH | Cardinal | 2828 | 3 | D028283 | 3.260 | 0.163 | 0.007 | 1.908 | 0.140 | 0.507 | 0.265 | 0.025 | 3.260 | 0.238 | 0.851 | 0.142 | 0.011 | 1.713 | 0.126 | 0.456 |
| 48 | PA | Martins Creek | 3148 | 3,4 | x21 | 3.254 | 0.035 | 0.140 | 1.991 | 0.146 | 0.528 | 0.068 | 0.200 | 3.044 | 0.223 | 0.797 | 0.047 | 0.238 | 3.254 | 0.238 | 0.849 |
| 49 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 3.196 | 0.135 | 0.011 | 1.638 | 0.121 | 0.436 | 0.142 | 0.013 | 1.742 | 0.128 | 0.464 | 0.237 | 0.047 | 3.196 | 0.234 | 0.835 |
| 50 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 3.100 | 0.128 | 0.014 | 1.595 | 0.117 | 0.425 | 0.137 | 0.013 | 1.679 | 0.123 | 0.447 | 0.225 | 0.050 | 3.100 | 0.227 | 0.811 |
| 51 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 3.068 | 0.091 | 0.073 | 1.855 | 0.136 | 0.493 | 0.078 | 0.191 | 3.068 | 0.225 | 0.803 | 0.093 | 0.111 | 2.308 | 0.169 | 0.610 |
| 52 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 3.002 | 0.236 | 0.031 | 3.002 | 0.220 | 0.786 | 0.207 | 0.020 | 2.549 | 0.187 | 0.671 | 0.211 | 0.020 | 2.596 | 0.190 | 0.683 |
| 53 | MD | C P Crane | 1552 | 1 | D015521 | 2.980 | 0.082 | 0.028 | 1.233 | 0.091 | 0.330 | 0.144 | 0.120 | 2.980 | 0.218 | 0.781 | 0.130 | 0.072 | 2.275 | 0.167 | 0.601 |
| 54 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 2.939 | 0.245 | 0.017 | 2.939 | 0.215 | 0.770 | 0.241 | 0.018 | 2.912 | 0.213 | 0.763 | 0.134 | 0.021 | 1.740 | 0.128 | 0.463 |
| 55 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (3 | D02535C01 | 2.897 | 0.224 | 0.034 | 2.897 | 0.212 | 0.759 | 0.194 | 0.059 | 2.844 | 0.208 | 0.746 | 0.151 | 0.051 | 2.271 | 0.167 | 0.600 |
| 56 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 2.807 | 0.069 | 0.021 | 1.012 | 0.075 | 0.272 | 0.107 | 0.141 | 2.807 | 0.206 | 0.737 | 0.086 | 0.042 | 1.437 | 0.106 | 0.384 |
| 57 | IN | Tanners Creek | 988 | U4 | D00988U4 | 2.800 | 0.235 | 0.015 | 2.800 | 0.205 | 0.735 | 0.172 | 0.032 | 2.292 | 0.168 | 0.605 | 0.100 | 0.028 | 1.434 | 0.106 | 0.383 |
| 58 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 2.798 | 0.230 | 0.020 | 2.798 | 0.205 | 0.735 | 0.151 | 0.047 | 2.228 | 0.164 | 0.589 | 0.153 | 0.029 | 2.036 | 0.150 | 0.540 |
| 59 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 2.759 | 0.227 | 0.019 | 2.759 | 0.202 | 0.725 | 0.149 | 0.046 | 2.193 | 0.161 | 0.580 | 0.151 | 0.028 | 2.006 | 0.147 | 0.532 |
| 60 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.694 | 0.062 | 0.010 | 0.804 | 0.059 | 0.217 | 0.132 | 0.021 | 1.715 | 0.126 | 0.457 | 0.201 | 0.039 | 2.694 | 0.197 | 0.708 |
| 61 | PA | Portland | | 2 (1) | d031131 | 2.678 | 0.133 | 0.029 | 1.817 | 0.134 | 0.483 | 0.177 | 0.029 | 2.316 | 0.170 | 0.612 | 0.189 | 0.049 | 2.678 | 0.196 | 0.704 |
| 62 | PA | Sunbury | | 4 | D031524 | 2.507 | 0.089 | 0.007 | 1.079 | 0.080 | 0.290 | 0.191 | 0.027 | 2.448 | 0.180 | 0.646 | 0.197 | 0.026 | 2.507 | 0.184 | 0.661 |
| 63 | NH | Merrimack | 2364 | 2 | D023642 | 2.475 | 0.162 | 0.017 | 2.006 | 0.147 | 0.532 | 0.192 | 0.028 | 2.475 | 0.182 | 0.653 | 0.153 | 0.059 | 2.387 | 0.175 | 0.630 |
| 64 | KY | Paradise | 1378 | 3 | D013783 | 2.472 | 0.034 | 0.065 | 1.123 | 0.083 | 0.301 | 0.066 | 0.148 | 2.428 | 0.178 | 0.640 | 0.054 | 0.164 | 2.472 | 0.181 | 0.652 |
| 65 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 2.396 | 0.155 | 0.024 | 2.001 | 0.147 | 0.531 | 0.148 | 0.065 | 2.396 | 0.176 | 0.632 | 0.117 | 0.065 | 2.049 | 0.151 | 0.543 |
| 66 | PA | Sunbury | | 3 | D031523 | 2.386 | 0.076 | 0.007 | 0.937 | 0.069 | 0.252 | 0.175 | 0.025 | 2.252 | 0.165 | 0.595 | 0.184 | 0.029 | 2.386 | 0.175 | 0.630 |
| 67 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 2.385 | 0.144 | 0.017 | 1.804 | 0.133 | 0.480 | 0.085 | 0.016 | 1.132 | 0.083 | 0.304 | 0.179 | 0.033 | 2.385 | 0.175 | 0.629 |
| 68 | NC | L V Sutton | | 3 | D027133 | 2.371 | 0.140 | 0.047 | 2.104 | 0.155 | 0.557 | 0.180 | 0.031 | 2.371 | 0.174 | 0.626 | 0.169 | 0.026 | 2.194 | 0.161 | 0.580 |
| 69 | VA | Chesapeake Energy Center | | 2 | D038032 | 2.366 | 0.158 | 0.053 | 2.366 | 0.174 | 0.625 | 0.149 | 0.058 | 2.336 | 0.171 | 0.617 | 0.142 | 0.051 | 2.174 | 0.160 | 0.575 |
| 70 | MI | J H Campbell | | 3 (50%) | D01710M3A | 2.359 | 0.073 | 0.019 | 1.039 | 0.077 | 0.279 | 0.165 | 0.045 | 2.359 | 0.173 | 0.623 | 0.099 | 0.030 | 1.451 | 0.107 | 0.388 |
| 71 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 2.331 | 0.151 | 0.005 | 1.741 | 0.128 | 0.463 | 0.099 | 0.004 | 1.157 | 0.085 | 0.310 | 0.193 | 0.014 | 2.331 | 0.171 | 0.616 |
| 72 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 2.222 | 0.080 | 0.050 | 1.464 | 0.108 | 0.391 | 0.101 | 0.095 | 2.222 | 0.163 | 0.588 | 0.080 | 0.038 | 1.332 | 0.098 | 0.356 |
| 73 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 2.217 | 0.078 | 0.024 | 1.141 | 0.084 | 0.306 | 0.155 | 0.043 | 2.217 | 0.163 | 0.586 | 0.081 | 0.044 | 1.406 | 0.104 | 0.376 |
| 74 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 2.187 | 0.062 | 0.014 | 0.853 | 0.063 | 0.230 | 0.095 | 0.098 | 2.187 | 0.161 | 0.579 | 0.076 | 0.030 | 1.187 | 0.087 | 0.318 |
| 75 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 2.177 | 0.139 | 0.005 | 1.614 | 0.119 | 0.430 | 0.092 | 0.005 | 1.075 | 0.079 | 0.289 | 0.178 | 0.016 | 2.177 | 0.160 | 0.576 |
| 76 | IL | Powerton | | 51,52,61,62 | D00879C06 | 2.141 | 0.093 | 0.021 | 1.276 | 0.094 | 0.342 | 0.127 | 0.063 | 2.141 | 0.157 | 0.567 | 0.151 | 0.017 | 1.885 | 0.139 | 0.501 |
| 77 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 2.137 | 0.179 | 0.012 | 2.137 | 0.157 | 0.566 | 0.093 | 0.008 | 1.133 | 0.083 | 0.304 | 0.083 | 0.006 | 0.999 | 0.074 | 0.269 |
| 78 | GA | Yates | | Y6BR | D00728Y6R | 2.112 | 0.137 | 0.010 | 1.644 | 0.121 | 0.438 | 0.179 | 0.010 | 2.112 | 0.155 | 0.559 | 0.123 | 0.017 | 1.566 | 0.115 | 0.418 |
| 79 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 2.057 | 0.100 | 0.010 | 1.235 | 0.091 | 0.331 | 0.099 | 0.013 | 1.252 | 0.092 | 0.335 | 0.134 | 0.049 | 2.057 | 0.151 | 0.545 |
| 80 | SC | Jefferies | 3319 | 4 | | 1.961 | 0.151 | 0.023 | 1.961 | 0.144 | 0.520 | 0.111 | 0.007 | 1.322 | 0.097 | 0.354 | 0.104 | 0.010 | 1.278 | 0.094 | 0.342 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | SC | Jefferies | 3319 | 3 | | 1.955 | 0.152 | 0.023 | **1.955** | 0.144 | 0.519 | 0.111 | 0.007 | **1.327** | 0.098 | 0.355 | 0.103 | 0.010 | **1.271** | 0.094 | 0.340 |
| 82 | VA | Chesapeake Energy Center | | 1 | D038031 | 1.925 | 0.113 | 0.058 | **1.923** | 0.141 | 0.511 | 0.107 | 0.063 | **1.925** | 0.141 | 0.511 | 0.102 | 0.056 | **1.780** | 0.131 | 0.473 |
| 83 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.908 | 0.067 | 0.012 | 0.883 | 0.065 | 0.238 | 0.130 | 0.040 | **1.908** | 0.140 | 0.507 | 0.095 | 0.022 | **1.312** | 0.097 | 0.351 |
| 84 | MA | Brayton Point | 1619 | 2 | D016192 | 1.902 | 0.102 | 0.024 | **1.420** | 0.105 | 0.379 | 0.127 | 0.042 | **1.896** | 0.139 | 0.503 | 0.130 | 0.040 | **1.902** | 0.140 | 0.505 |
| 85 | PA | Sunbury | | 1A, 1B | D03152CS1 | 1.865 | 0.063 | 0.006 | 0.761 | 0.056 | 0.205 | 0.138 | 0.020 | **1.773** | 0.130 | 0.472 | 0.145 | 0.021 | **1.865** | 0.137 | 0.495 |
| 86 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 1.818 | 0.140 | 0.022 | **1.818** | 0.134 | 0.483 | 0.078 | 0.031 | **1.220** | 0.090 | 0.327 | 0.107 | 0.046 | **1.718** | 0.126 | 0.457 |
| 87 | PA | Homer City | | 3 | D031223 | 1.780 | 0.038 | 0.031 | 0.770 | 0.057 | 0.208 | 0.044 | 0.063 | **1.203** | 0.089 | 0.323 | 0.056 | 0.101 | **1.780** | 0.131 | 0.473 |
| 88 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 1.760 | 0.148 | 0.009 | **1.760** | 0.129 | 0.468 | 0.079 | 0.006 | 0.949 | 0.070 | 0.255 | 0.062 | 0.005 | 0.746 | 0.055 | 0.201 |
| 89 | VA | Bremo Power Station | | 4 | D037964 | 1.725 | 0.132 | 0.021 | **1.725** | 0.127 | 0.459 | 0.114 | 0.031 | **1.630** | 0.120 | 0.434 | 0.091 | 0.029 | **1.350** | 0.099 | 0.361 |
| 90 | SC | Canadys Steam | | CAN3 | D03280CN3 | 1.688 | 0.136 | 0.015 | **1.688** | 0.124 | 0.450 | 0.083 | 0.006 | **1.002** | 0.074 | 0.269 | 0.075 | 0.008 | 0.922 | 0.068 | 0.248 |
| 91 | OH | Conesville | 2840 | 5,6 | D02840C06 | 1.684 | 0.036 | 0.031 | 0.754 | 0.056 | 0.203 | 0.033 | 0.115 | **1.684** | 0.124 | 0.449 | 0.026 | 0.099 | **1.428** | 0.105 | 0.382 |
| 92 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 1.676 | 0.128 | 0.022 | **1.676** | 0.123 | 0.446 | 0.075 | 0.018 | **1.041** | 0.077 | 0.280 | 0.093 | 0.011 | **1.165** | 0.086 | 0.312 |
| 93 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 1.654 | 0.134 | 0.014 | **1.654** | 0.122 | 0.441 | | | | | | | | | | |
| 94 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 1.620 | 0.110 | 0.034 | **1.620** | 0.119 | 0.432 | | | | | | | | | | |
| 95 | MI | St. Clair | 1743 | 6 | D017436 | 1.605 | 0.070 | 0.006 | 0.855 | 0.063 | 0.230 | 0.127 | 0.016 | **1.600** | 0.118 | 0.427 | 0.129 | 0.015 | **1.605** | 0.118 | 0.428 |
| 96 | MA | Brayton Point | 1619 | 1 | D016191 | 1.594 | 0.094 | 0.015 | **1.222** | 0.090 | 0.327 | 0.114 | 0.026 | **1.569** | 0.115 | 0.419 | 0.118 | 0.025 | **1.594** | 0.117 | 0.425 |
| 97 | GA | Yates | | Y7BR | D00728Y7R | 1.568 | 0.101 | 0.008 | **1.223** | 0.090 | 0.328 | 0.132 | 0.008 | **1.568** | 0.115 | 0.418 | 0.091 | 0.013 | **1.169** | 0.086 | 0.313 |
| 98 | WV | Albright Power Station | 3942 | 3 | D039423 | 1.565 | 0.054 | 0.004 | 0.651 | 0.048 | 0.176 | 0.109 | 0.031 | **1.565** | 0.115 | 0.417 | 0.079 | 0.012 | **1.027** | 0.076 | 0.276 |
| 99 | TX | Big Brown | 3497 | 2 | | 1.550 | 0.088 | 0.004 | **1.023** | 0.075 | 0.275 | 0.075 | 0.003 | 0.880 | 0.065 | 0.237 | 0.129 | 0.010 | **1.550** | 0.114 | 0.414 |
| 100 | KY | Paradise | 1378 | 2 | D013782 | 1.484 | 0.057 | 0.010 | 0.755 | 0.056 | 0.203 | 0.109 | 0.023 | **1.484** | 0.109 | 0.396 | 0.081 | 0.026 | **1.196** | 0.088 | 0.321 |
| 101 | TX | Big Brown | 3497 | 1 | | 1.481 | 0.084 | 0.004 | 0.976 | 0.072 | 0.262 | 0.072 | 0.003 | 0.840 | 0.062 | 0.226 | 0.123 | 0.010 | **1.481** | 0.109 | 0.396 |
| 102 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 1.479 | 0.113 | 0.017 | **1.456** | 0.107 | 0.389 | 0.119 | 0.013 | **1.479** | 0.109 | 0.395 | 0.101 | 0.012 | **1.266** | 0.093 | 0.339 |
| 103 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 1.477 | 0.091 | 0.014 | **1.174** | 0.087 | 0.315 | 0.123 | 0.009 | **1.477** | 0.109 | 0.394 | 0.085 | 0.017 | **1.139** | 0.084 | 0.305 |
| 104 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 1.462 | 0.085 | 0.008 | **1.048** | 0.077 | 0.281 | 0.120 | 0.010 | **1.462** | 0.108 | 0.391 | 0.095 | 0.008 | **1.151** | 0.085 | 0.309 |
| 105 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 1.425 | 0.094 | 0.008 | **1.138** | 0.084 | 0.305 | 0.056 | 0.012 | 0.760 | 0.056 | 0.205 | 0.099 | 0.028 | **1.425** | 0.105 | 0.381 |
| 106 | OH | Killen Station | 6031 | 2 | D060312 | 1.413 | 0.083 | 0.019 | **1.142** | 0.084 | 0.306 | 0.097 | 0.029 | **1.413** | 0.104 | 0.378 | 0.068 | 0.028 | **1.082** | 0.080 | 0.290 |
| 107 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.400 | 0.039 | 0.067 | **1.194** | 0.088 | 0.320 | 0.033 | 0.074 | **1.209** | 0.089 | 0.324 | 0.029 | 0.094 | **1.400** | 0.103 | 0.374 |
| 108 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 1.399 | 0.091 | 0.008 | **1.112** | 0.082 | 0.298 | 0.055 | 0.012 | 0.745 | 0.055 | 0.201 | 0.096 | 0.029 | **1.399** | 0.103 | 0.374 |
| 109 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 1.371 | 0.024 | 0.011 | 0.398 | 0.029 | 0.108 | 0.048 | 0.022 | 0.785 | 0.058 | 0.212 | 0.079 | 0.043 | **1.371** | 0.101 | 0.367 |
| 110 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 1.347 | 0.074 | 0.030 | **1.162** | 0.086 | 0.312 | 0.086 | 0.034 | **1.347** | 0.099 | 0.360 | 0.080 | 0.034 | **1.274** | 0.094 | 0.341 |
| 111 | PA | Armstrong Power Station | | 1 | D031781 | 1.325 | 0.081 | 0.015 | **1.083** | 0.080 | 0.291 | 0.099 | 0.019 | **1.325** | 0.098 | 0.355 | | | | | |
| 112 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.325 | 0.108 | 0.010 | **1.325** | 0.098 | 0.355 | 0.085 | 0.011 | **1.075** | 0.079 | 0.289 | 0.073 | 0.006 | 0.884 | 0.065 | 0.238 |
| 113 | KY | Paradise | 1378 | 1 | D01720C09 | 1.320 | 0.050 | 0.010 | 0.670 | 0.049 | 0.181 | 0.095 | 0.023 | **1.320** | 0.097 | 0.353 | 0.071 | 0.025 | **1.071** | 0.079 | 0.288 |
| 114 | KY | Mill Creek | 1364 | 4 | D013644 | 1.319 | 0.053 | 0.007 | 0.674 | 0.050 | 0.182 | 0.106 | 0.012 | **1.319** | 0.097 | 0.353 | 0.052 | 0.013 | 0.732 | 0.054 | 0.197 |
| 115 | NC | L V Sutton | | 1, 2 | D02713C02 | 1.319 | 0.082 | 0.022 | **1.171** | 0.086 | 0.314 | 0.104 | 0.014 | **1.319** | 0.097 | 0.353 | 0.099 | 0.012 | **1.242** | 0.092 | 0.333 |
| 116 | PA | Armstrong Power Station | | 2 | D031782 | 1.318 | 0.080 | 0.016 | **1.076** | 0.079 | 0.289 | 0.097 | 0.020 | **1.318** | 0.097 | 0.353 | | | | | |
| 117 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 1.308 | 0.036 | 0.013 | 0.549 | 0.041 | 0.148 | 0.063 | 0.053 | **1.308** | 0.096 | 0.350 | 0.043 | 0.022 | 0.727 | 0.054 | 0.196 |
| 118 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 1.273 | 0.046 | 0.032 | 0.881 | 0.065 | 0.237 | 0.028 | 0.040 | 0.761 | 0.056 | 0.205 | 0.039 | 0.073 | **1.273** | 0.094 | 0.341 |
| 119 | DE | Indian River | 594 | 4 | D005944 | 1.247 | 0.090 | 0.014 | **1.164** | 0.086 | 0.312 | 0.099 | 0.012 | **1.247** | 0.092 | 0.334 | 0.079 | 0.012 | **1.021** | 0.075 | 0.274 |
| 120 | TX | Martin Lake | 6146 | 1 | | 1.237 | 0.063 | 0.007 | 0.781 | 0.058 | 0.210 | 0.054 | 0.007 | 0.677 | 0.050 | 0.183 | 0.092 | 0.018 | **1.237** | 0.091 | 0.332 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 1.227 | 0.028 | 0.050 | 0.885 | 0.065 | 0.238 | 0.085 | 0.024 | **1.227** | 0.090 | 0.329 | 0.024 | 0.053 | 0.874 | 0.064 | 0.235 |
| 122 | SC | H B Robinson | | 1 | D032511 | 1.214 | 0.095 | 0.013 | **1.214** | 0.089 | 0.325 | 0.054 | 0.011 | 0.729 | 0.054 | 0.197 | 0.063 | 0.007 | 0.781 | 0.058 | 0.211 |
| 123 | NH | Merrimack | 2364 | 1 | D023641 | 1.212 | 0.081 | 0.007 | 0.989 | 0.073 | 0.266 | 0.096 | 0.012 | **1.212** | 0.089 | 0.325 | 0.076 | 0.026 | **1.154** | 0.085 | 0.310 |
| 124 | OK | Northeastern | | 3313, 3314 | D02963C10 | 1.201 | 0.071 | 0.036 | **1.201** | 0.089 | 0.322 | 0.041 | 0.044 | 0.960 | 0.071 | 0.258 | 0.033 | 0.024 | 0.640 | 0.047 | 0.173 |
| 125 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 1.200 | 0.091 | 0.016 | **1.199** | 0.088 | 0.321 | 0.085 | 0.021 | **1.200** | 0.088 | 0.322 | 0.059 | 0.016 | 0.841 | 0.062 | 0.226 |
| 126 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 1.187 | 0.089 | 0.017 | **1.187** | 0.088 | 0.318 | 0.064 | 0.017 | 0.907 | 0.067 | 0.244 | 0.058 | 0.022 | 0.896 | 0.066 | 0.241 |
| 127 | OH | J M Stuart | 2850 | 4 | D028404 | 1.175 | 0.068 | 0.012 | 0.898 | 0.066 | 0.242 | 0.089 | 0.016 | **1.175** | 0.087 | 0.315 | 0.066 | 0.016 | 0.921 | 0.068 | 0.248 |
| 128 | MN | Sherburne County | | 1, 2 | D06090CS1 | 1.168 | 0.065 | 0.032 | **1.089** | 0.080 | 0.292 | 0.068 | 0.036 | **1.168** | 0.086 | 0.313 | 0.019 | 0.019 | 0.431 | 0.032 | 0.117 |
| 129 | IA | George Neal South | | 4 | D073434 | 1.155 | 0.069 | 0.018 | 0.974 | 0.072 | 0.262 | 0.075 | 0.027 | **1.155** | 0.085 | 0.310 | 0.038 | 0.010 | 0.546 | 0.040 | 0.148 |
| 130 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 1.152 | 0.052 | 0.025 | 0.868 | 0.064 | 0.234 | 0.031 | 0.031 | 0.705 | 0.052 | 0.190 | 0.044 | 0.057 | **1.152** | 0.085 | 0.309 |
| 131 | TX | Martin Lake | 6146 | 2 | | 1.134 | 0.059 | 0.006 | 0.722 | 0.053 | 0.195 | 0.050 | 0.005 | 0.625 | 0.046 | 0.169 | 0.086 | 0.015 | **1.134** | 0.084 | 0.304 |
| 132 | NC | Cape Fear | 2708 | 6 | | 1.107 | 0.074 | 0.025 | **1.107** | 0.082 | 0.297 | 0.053 | 0.022 | 0.838 | 0.062 | 0.226 | 0.070 | 0.022 | **1.024** | 0.075 | 0.275 |
| 133 | WI | Columbia | | 1 | D080231 | 1.102 | 0.072 | 0.007 | 0.885 | 0.065 | 0.238 | 0.079 | 0.019 | **1.102** | 0.081 | 0.296 | 0.052 | 0.008 | 0.671 | 0.050 | 0.181 |
| 134 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.093 | 0.080 | 0.004 | 0.940 | 0.069 | 0.253 | 0.076 | 0.011 | 0.971 | 0.072 | 0.261 | 0.090 | 0.008 | **1.093** | 0.081 | 0.293 |
| 135 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 1.080 | 0.071 | 0.021 | **1.039** | 0.077 | 0.279 | 0.077 | 0.020 | **1.080** | 0.080 | 0.290 | 0.043 | 0.025 | 0.768 | 0.057 | 0.207 |
| 136 | IA | Ottumwa | | 1 | D062541 | 1.077 | 0.080 | 0.016 | **1.077** | 0.079 | 0.289 | 0.074 | 0.018 | **1.032** | 0.076 | 0.277 | 0.032 | 0.010 | 0.478 | 0.035 | 0.129 |
| 137 | WI | Columbia | | 2 | D080232 | 1.073 | 0.074 | 0.007 | 0.907 | 0.067 | 0.244 | 0.076 | 0.020 | **1.073** | 0.079 | 0.288 | 0.057 | 0.009 | 0.739 | 0.055 | 0.199 |
| 138 | GA | Scherer | | 4 | D062574 | 1.070 | 0.080 | 0.011 | **1.022** | 0.075 | 0.275 | 0.083 | 0.012 | **1.070** | 0.079 | 0.287 | 0.051 | 0.007 | 0.643 | 0.047 | 0.174 |
| 139 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 1.060 | 0.073 | 0.002 | 0.835 | 0.062 | 0.225 | 0.085 | 0.010 | **1.060** | 0.078 | 0.285 | 0.045 | 0.007 | 0.582 | 0.043 | 0.157 |
| 140 | TX | Martin Lake | 6146 | 3 | | 1.059 | 0.054 | 0.006 | 0.668 | 0.049 | 0.180 | 0.046 | 0.006 | 0.579 | 0.043 | 0.156 | 0.079 | 0.016 | **1.059** | 0.078 | 0.284 |
| 141 | GA | Scherer | | 1 | D062571 | 1.052 | 0.079 | 0.012 | **1.018** | 0.075 | 0.274 | 0.080 | 0.013 | **1.052** | 0.078 | 0.283 | 0.051 | 0.007 | 0.650 | 0.048 | 0.175 |
| 142 | MA | Canal Station | 1599 | 1 | D015991 | 1.047 | 0.050 | 0.014 | 0.715 | 0.053 | 0.193 | 0.070 | 0.023 | **1.047** | 0.077 | 0.281 | 0.065 | 0.023 | 0.986 | 0.073 | 0.265 |
| 143 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 1.047 | 0.032 | 0.009 | 0.463 | 0.034 | 0.125 | 0.070 | 0.023 | **1.047** | 0.077 | 0.281 | 0.037 | 0.018 | 0.627 | 0.046 | 0.169 |
| 144 | GA | Scherer | | 2 | D062572 | 1.039 | 0.079 | 0.011 | **1.006** | 0.074 | 0.270 | 0.080 | 0.012 | **1.039** | 0.077 | 0.279 | 0.051 | 0.007 | 0.638 | 0.047 | 0.172 |
| 145 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 1.034 | 0.033 | 0.052 | 0.963 | 0.071 | 0.259 | 0.022 | 0.034 | 0.630 | 0.047 | 0.170 | 0.021 | 0.070 | **1.034** | 0.076 | 0.278 |
| 146 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 1.032 | 0.088 | 0.005 | **1.032** | 0.076 | 0.277 | 0.074 | 0.016 | **1.011** | 0.075 | 0.272 | 0.085 | 0.006 | **1.014** | 0.075 | 0.272 |
| 147 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 1.001 | 0.086 | 0.003 | **1.001** | 0.074 | 0.269 | 0.077 | 0.011 | 0.981 | 0.072 | 0.264 | 0.048 | 0.007 | 0.612 | 0.045 | 0.165 |
| 148 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.996 | 0.032 | 0.008 | 0.457 | 0.034 | 0.124 | 0.071 | 0.018 | 0.996 | 0.073 | 0.268 | 0.038 | 0.014 | 0.579 | 0.043 | 0.157 |
| 149 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.956 | 0.076 | 0.010 | 0.956 | 0.071 | 0.257 | 0.055 | 0.021 | 0.854 | 0.063 | 0.230 | 0.032 | 0.018 | 0.564 | 0.042 | 0.152 |
| 150 | TX | Monticello | 6147 | 1 | | 0.912 | 0.049 | 0.004 | 0.590 | 0.044 | 0.159 | 0.042 | 0.003 | 0.508 | 0.038 | 0.138 | 0.072 | 0.009 | 0.912 | 0.067 | 0.245 |
| 151 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.908 | 0.078 | 0.003 | 0.908 | 0.067 | 0.244 | 0.070 | 0.009 | 0.886 | 0.065 | 0.239 | 0.043 | 0.006 | 0.550 | 0.041 | 0.149 |
| 152 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.901 | 0.063 | 0.016 | 0.887 | 0.065 | 0.239 | 0.059 | 0.021 | 0.901 | 0.066 | 0.242 | 0.041 | 0.017 | 0.649 | 0.048 | 0.175 |
| 153 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.899 | 0.039 | 0.041 | 0.899 | 0.066 | 0.242 | 0.037 | 0.039 | 0.850 | 0.063 | 0.229 | | | | | |
| 154 | MA | Canal Station | 1599 | 2 | D015992 | 0.891 | 0.033 | 0.020 | 0.587 | 0.043 | 0.159 | 0.046 | 0.033 | 0.891 | 0.066 | 0.240 | 0.035 | 0.027 | 0.703 | 0.052 | 0.190 |
| 155 | AL | Greene County | 10 | 1 | | 0.868 | 0.071 | 0.006 | 0.868 | 0.064 | 0.234 | | | | | | | | | | |
| 156 | IN | Merom | | 2SG1 | D062132G1 | 0.855 | 0.070 | 0.006 | 0.855 | 0.063 | 0.230 | | | | | | | | | | |
| 157 | KS | La Cygne | | 2 | D012412 | 0.853 | 0.059 | 0.018 | 0.853 | 0.063 | 0.230 | 0.052 | 0.021 | 0.824 | 0.061 | 0.222 | 0.034 | 0.016 | 0.555 | 0.041 | 0.150 |
| 158 | IN | Gibson | 6113 | 5 | D061135 | 0.843 | 0.056 | 0.019 | 0.843 | 0.062 | 0.227 | | | | | | | | | | |
| 159 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.838 | 0.067 | 0.007 | 0.838 | 0.062 | 0.226 | 0.053 | 0.020 | 0.826 | 0.061 | 0.222 | 0.065 | 0.008 | 0.813 | 0.060 | 0.219 |
| 160 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 0.824 | 0.062 | 0.011 | 0.824 | 0.061 | 0.222 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | MN | Sherburne County | | 3 | D060903 | 0.813 | 0.055 | 0.018 | 0.813 | 0.060 | 0.219 | | | | | | | | | | |
| 162 | ME | William F Wyman | 1507 | 4 | D015074 | 0.810 | 0.033 | 0.008 | 0.457 | 0.034 | 0.124 | 0.026 | 0.009 | 0.397 | 0.029 | 0.107 | 0.061 | 0.011 | 0.810 | 0.060 | 0.218 |
| 163 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 0.802 | 0.065 | 0.007 | 0.802 | 0.059 | 0.216 | | | | | | | | | | |
| 164 | NH | Newington | 8002 | 1 | D080021 | 0.799 | 0.051 | 0.008 | 0.661 | 0.049 | 0.178 | 0.037 | 0.010 | 0.534 | 0.039 | 0.144 | 0.055 | 0.016 | 0.799 | 0.059 | 0.215 |
| 165 | NE | Nebraska City Station | | 1 | D060961 | 0.795 | 0.058 | 0.013 | 0.795 | 0.059 | 0.214 | | | | | | | | | | |
| 166 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 0.792 | 0.050 | 0.021 | 0.792 | 0.058 | 0.213 | | | | | | | | | | |
| 167 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 0.791 | 0.063 | 0.008 | 0.791 | 0.058 | 0.213 | | | | | | | | | | |
| 168 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.783 | 0.026 | 0.043 | 0.783 | 0.058 | 0.211 | | | | | | | | | | |
| 169 | MO | Labadie | | 4 | D021034 | 0.770 | 0.036 | 0.005 | 0.467 | 0.035 | 0.126 | 0.061 | 0.008 | 0.770 | 0.057 | 0.207 | 0.061 | 0.006 | 0.751 | 0.055 | 0.202 |
| 170 | IL | Newton | | 2 | D060172 | 0.767 | 0.061 | 0.008 | 0.767 | 0.057 | 0.207 | | | | | | | | | | |
| 171 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 0.754 | 0.064 | 0.003 | 0.754 | 0.056 | 0.203 | | | | | | | | | | |
| 172 | MA | Brayton Point | 1619 | 4 | x07 | 0.752 | 0.034 | 0.013 | 0.522 | 0.039 | 0.141 | 0.038 | 0.016 | 0.604 | 0.045 | 0.163 | 0.049 | 0.018 | 0.752 | 0.056 | 0.203 |
| 173 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.751 | 0.046 | 0.021 | 0.751 | 0.055 | 0.202 | | | | | | | | | | |
| 174 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 0.751 | 0.039 | 0.028 | 0.751 | 0.055 | 0.202 | | | | | | | | | | |
| 175 | IN | Gibson | 6113 | 4 | D061135 | 0.748 | 0.019 | 0.047 | 0.748 | 0.055 | 0.202 | | | | | | | | | | |
| 176 | NC | Roxboro | 2712 | 2 | D027122 | 0.744 | 0.047 | 0.019 | 0.744 | 0.055 | 0.201 | | | | | | | | | | |
| 177 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.737 | 0.042 | 0.024 | 0.737 | 0.054 | 0.199 | | | | | | | | | | |
| 178 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 0.721 | 0.016 | 0.047 | 0.721 | 0.053 | 0.195 | | | | | | | | | | |
| 179 | OK | Grand River Dam Authority | | 1 | D001651 | 0.720 | 0.028 | 0.008 | 0.412 | 0.030 | 0.112 | 0.049 | 0.015 | 0.720 | 0.053 | 0.194 | 0.032 | 0.008 | 0.443 | 0.033 | 0.120 |
| 180 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.705 | 0.042 | 0.021 | 0.705 | 0.052 | 0.190 | | | | | | | | | | |
| 181 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 0.701 | 0.056 | 0.007 | 0.701 | 0.052 | 0.189 | | | | | | | | | | |
| 182 | OK | Sooner | 6095 | 1 | | 0.675 | 0.044 | 0.016 | 0.675 | 0.050 | 0.182 | | | | | | | | | | |
| 183 | OK | Sooner | | 2 | D060952 | 0.664 | 0.043 | 0.017 | 0.664 | 0.049 | 0.179 | | | | | | | | | | |
| 184 | WV | John E Amos | 3935 | 3 | D039353 | 0.661 | 0.042 | 0.017 | 0.661 | 0.049 | 0.178 | | | | | | | | | | |
| 185 | IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 0.653 | 0.051 | 0.007 | 0.653 | 0.048 | 0.176 | | | | | | | | | | |
| 186 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 0.643 | 0.042 | 0.015 | 0.643 | 0.047 | 0.174 | | | | | | | | | | |
| 187 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 0.640 | 0.044 | 0.014 | 0.640 | 0.047 | 0.173 | | | | | | | | | | |
| 188 | NC | Riverbend | 2732 | 9 | | 0.630 | 0.052 | 0.004 | 0.630 | 0.047 | 0.170 | | | | | | | | | | |
| 189 | MO | Rush Island | | 2 | D061552 | 0.630 | 0.052 | 0.004 | 0.630 | 0.047 | 0.170 | | | | | | | | | | |
| 190 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.628 | 0.028 | 0.027 | 0.628 | 0.046 | 0.170 | | | | | | | | | | |
| 191 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.615 | 0.052 | 0.003 | 0.615 | 0.045 | 0.166 | | | | | | | | | | |
| 192 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.614 | 0.048 | 0.007 | 0.614 | 0.045 | 0.166 | | | | | | | | | | |
| 193 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 0.603 | 0.038 | 0.015 | 0.603 | 0.045 | 0.163 | | | | | | | | | | |
| 194 | MO | Rush Island | | 1 | D061551 | 0.591 | 0.049 | 0.004 | 0.591 | 0.044 | 0.160 | | | | | | | | | | |
| 195 | IL | Joliet 29 | | 81, 82 | D00384C82 | 0.580 | 0.047 | 0.004 | 0.580 | 0.043 | 0.157 | | | | | | | | | | |
| 196 | NC | Marshall | 2727 | 1,2 | x11 | 0.574 | 0.022 | 0.029 | 0.574 | 0.042 | 0.155 | | | | | | | | | | |
| 197 | IA | George Neal North | | 3 | D010913 | 0.571 | 0.037 | 0.014 | 0.571 | 0.042 | 0.154 | | | | | | | | | | |
| 198 | NC | Roxboro | 2712 | 1 | D027121 | 0.568 | 0.029 | 0.021 | 0.568 | 0.042 | 0.153 | | | | | | | | | | |
| 199 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.566 | 0.035 | 0.015 | 0.566 | 0.042 | 0.153 | | | | | | | | | | |
| 200 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.564 | 0.025 | 0.025 | 0.564 | 0.042 | 0.152 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.556 | 0.025 | 0.024 | 0.556 | 0.041 | 0.150 | | | | | | | | | | |
| 202 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 0.553 | 0.039 | 0.011 | 0.553 | 0.041 | 0.150 | | | | | | | | | | |
| 203 | WI | Nelson Dewey | 4054 | 2 | | 0.553 | 0.044 | 0.006 | 0.553 | 0.041 | 0.149 | | | | | | | | | | |
| 204 | TX | Monticello | 6147 | 2 | | 0.553 | 0.046 | 0.003 | 0.553 | 0.041 | 0.149 | | | | | | | | | | |
| 205 | KS | Nearman Creek | 6064 | N1 | | 0.546 | 0.033 | 0.016 | 0.546 | 0.040 | 0.148 | | | | | | | | | | |
| 206 | NC | Marshall | 2727 | 4 | D027274 | 0.543 | 0.018 | 0.030 | 0.543 | 0.040 | 0.147 | | | | | | | | | | |
| 207 | AR | White Bluff | | 1 | D060091 | 0.540 | 0.035 | 0.014 | 0.540 | 0.040 | 0.146 | | | | | | | | | | |
| 208 | AR | White Bluff | | 2 | D060092 | 0.534 | 0.033 | 0.014 | 0.534 | 0.039 | 0.144 | | | | | | | | | | |
| 209 | SC | McMeekin | | MCM2 | D03287MM2 | 0.529 | 0.044 | 0.003 | 0.529 | 0.039 | 0.143 | | | | | | | | | | |
| 210 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.529 | 0.039 | 0.008 | 0.529 | 0.039 | 0.143 | | | | | | | | | | |
| 211 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 0.529 | 0.016 | 0.031 | 0.529 | 0.039 | 0.143 | | | | | | | | | | |
| 212 | CT | New Haven Harbor | 6156 | NHB1 | | 0.525 | 0.027 | 0.020 | 0.525 | 0.039 | 0.142 | | | | | | | | | | |
| 213 | TX | Monticello | 6147 | 3 | | 0.524 | 0.041 | 0.006 | 0.524 | 0.039 | 0.142 | | | | | | | | | | |
| 214 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 0.513 | 0.007 | 0.038 | 0.513 | 0.038 | 0.139 | | | | | | | | | | |
| 215 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.511 | 0.040 | 0.006 | 0.511 | 0.038 | 0.138 | | | | | | | | | | |
| 216 | SC | McMeekin | | MCM1 | D03287MM1 | 0.511 | 0.042 | 0.003 | 0.511 | 0.038 | 0.138 | | | | | | | | | | |
| 217 | WI | Edgewater (4050) | 4050 | 5 | | 0.505 | 0.039 | 0.007 | 0.505 | 0.037 | 0.137 | | | | | | | | | | |
| 218 | MO | New Madrid Power Plant | | 1 | D021671 | 0.503 | 0.019 | 0.025 | 0.503 | 0.037 | 0.136 | | | | | | | | | | |
| 219 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 0.502 | 0.034 | 0.011 | 0.502 | 0.037 | 0.136 | | | | | | | | | | |
| 220 | OH | Cardinal | 2828 | 1 | D028281 | 0.495 | 0.039 | 0.005 | 0.495 | 0.037 | 0.134 | | | | | | | | | | |
| 221 | IA | Louisa | | 101 | D06664101 | 0.495 | 0.030 | 0.014 | 0.495 | 0.037 | 0.134 | | | | | | | | | | |
| 222 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 0.491 | 0.031 | 0.012 | 0.491 | 0.036 | 0.133 | | | | | | | | | | |
| 223 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 0.486 | 0.032 | 0.012 | 0.486 | 0.036 | 0.131 | | | | | | | | | | |
| 224 | TX | Limestone | 298 | LIM2 | | 0.483 | 0.035 | 0.008 | 0.483 | 0.036 | 0.131 | | | | | | | | | | |
| 225 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.480 | 0.013 | 0.029 | 0.480 | 0.035 | 0.130 | | | | | | | | | | |
| 226 | CT | Middletown | 562 | 4 | | 0.474 | 0.026 | 0.016 | 0.474 | 0.035 | 0.128 | | | | | | | | | | |
| 227 | AR | Independence | | 1 | D066411 | 0.470 | 0.027 | 0.015 | 0.470 | 0.035 | 0.127 | | | | | | | | | | |
| 228 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 0.467 | 0.015 | 0.027 | 0.467 | 0.035 | 0.127 | | | | | | | | | | |
| 229 | MO | Labadie | | 3 | D021033 | 0.462 | 0.036 | 0.005 | 0.462 | 0.034 | 0.125 | | | | | | | | | | |
| 230 | AR | Independence | | 2 | D066412 | 0.455 | 0.028 | 0.013 | 0.455 | 0.034 | 0.123 | | | | | | | | | | |
| 231 | TX | Limestone | 298 | LIM1 | | 0.449 | 0.033 | 0.007 | 0.449 | 0.033 | 0.122 | | | | | | | | | | |
| 232 | MO | Labadie | | 1 | D021031 | 0.448 | 0.035 | 0.005 | 0.448 | 0.033 | 0.121 | | | | | | | | | | |
| 233 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 0.445 | 0.033 | 0.006 | 0.445 | 0.033 | 0.120 | | | | | | | | | | |
| 234 | OH | Miami Fort Power Station | | 8 | D028328 | 0.441 | 0.028 | 0.012 | 0.441 | 0.033 | 0.119 | | | | | | | | | | |
| 235 | MD | Morgantown | 1573 | 2 | D015732 | 0.438 | 0.033 | 0.007 | 0.438 | 0.032 | 0.119 | | | | | | | | | | |
| 236 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 0.437 | 0.018 | 0.021 | 0.437 | 0.032 | 0.118 | | | | | | | | | | |
| 237 | NY | Northport | 2516 | 3 | D025163 | 0.436 | 0.022 | 0.017 | 0.436 | 0.032 | 0.118 | | | | | | | | | | |
| 238 | NC | Belews Creek | 8042 | 2 | D080422 | 0.436 | 0.020 | 0.018 | 0.436 | 0.032 | 0.118 | | | | | | | | | | |
| 239 | NC | Belews Creek | 8042 | 1 | D080421 | 0.432 | 0.020 | 0.019 | 0.432 | 0.032 | 0.117 | | | | | | | | | | |
| 240 | MO | New Madrid Power Plant | | 2 | D021672 | 0.423 | 0.018 | 0.019 | 0.423 | 0.031 | 0.115 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | OH | Eastlake | 2837 | 1 | D028371 | 0.419 | 0.032 | 0.005 | 0.419 | 0.031 | 0.114 | | | | | | | | | | |
| 242 | KY | Green River | | 5 | D013575 | 0.415 | 0.033 | 0.004 | 0.415 | 0.031 | 0.112 | | | | | | | | | | |
| 243 | KY | D B Wilson | | W1 | D06823W1 | 0.406 | 0.032 | 0.004 | 0.406 | 0.030 | 0.110 | | | | | | | | | | |
| 244 | MA | Salem Harbor Station | 1626 | 1 | | 0.406 | 0.021 | 0.005 | 0.292 | 0.022 | 0.079 | 0.027 | 0.009 | 0.406 | 0.030 | 0.110 | 0.019 | 0.010 | 0.329 | 0.024 | 0.089 |
| 245 | OH | Eastlake | 2837 | 2 | D028372 | 0.400 | 0.031 | 0.005 | 0.400 | 0.030 | 0.108 | | | | | | | | | | |
| 246 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.399 | 0.030 | 0.006 | 0.399 | 0.029 | 0.108 | | | | | | | | | | |
| 247 | OH | J M Stuart | 2850 | 3 | D028503 | 0.398 | 0.026 | 0.010 | 0.398 | 0.029 | 0.108 | | | | | | | | | | |
| 248 | MI | River Rouge | | 3 | D017403 | 0.390 | 0.023 | 0.012 | 0.390 | 0.029 | 0.106 | | | | | | | | | | |
| 249 | KY | Ghent | 1356 | 1,2 … (1,4) | D01356C01 | 0.387 | 0.024 | 0.011 | 0.387 | 0.029 | 0.105 | | | | | | | | | | |
| 250 | WI | Genoa | 4143 | 1 | | 0.386 | 0.028 | 0.007 | 0.386 | 0.029 | 0.105 | | | | | | | | | | |
| 251 | OH | Cardinal | 2828 | 2 | D028282 | 0.379 | 0.028 | 0.006 | 0.379 | 0.028 | 0.103 | | | | | | | | | | |
| 252 | IL | Wood River Power Station | | 5 | D008985 | 0.371 | 0.027 | 0.006 | 0.371 | 0.027 | 0.101 | | | | | | | | | | |
| 253 | OH | Conesville | 2840 | 4 | D028504 | 0.364 | 0.027 | 0.006 | 0.364 | 0.027 | 0.099 | | | | | | | | | | |
| 254 | GA | Yates | | Y5BR | D00728Y5R | 0.364 | 0.029 | 0.003 | 0.364 | 0.027 | 0.099 | | | | | | | | | | |
| 255 | OH | J M Stuart | 2850 | 1 | D028501 | 0.360 | 0.024 | 0.008 | 0.360 | 0.027 | 0.098 | | | | | | | | | | |
| 256 | MI | Monroe | 1733 | 3,4 | D01733C34 | 0.357 | 0.016 | 0.015 | 0.357 | 0.026 | 0.097 | | | | | | | | | | |
| 257 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.355 | 0.028 | 0.003 | 0.355 | 0.026 | 0.096 | | | | | | | | | | |
| 258 | IN | Cayuga | 1001 | 2 | D010012 | 0.355 | 0.021 | 0.011 | 0.355 | 0.026 | 0.096 | | | | | | | | | | |
| 259 | KY | Green River | | 4 | D013574 | 0.352 | 0.028 | 0.003 | 0.352 | 0.026 | 0.095 | | | | | | | | | | |
| 260 | OH | Eastlake | 2837 | 3 | D028373 | 0.348 | 0.027 | 0.004 | 0.348 | 0.026 | 0.094 | | | | | | | | | | |
| 261 | KS | La Cygne | 1241 | 1 | | 0.347 | 0.026 | 0.005 | 0.347 | 0.026 | 0.094 | 0.018 | 0.006 | 0.270 | 0.020 | 0.073 | 0.015 | 0.005 | 0.221 | 0.016 | 0.060 |
| 262 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.346 | 0.025 | 0.006 | 0.346 | 0.026 | 0.094 | | | | | | | | | | |
| 263 | NH | Schiller | 2367 | 6 | | 0.330 | 0.020 | 0.005 | 0.271 | 0.020 | 0.074 | 0.017 | 0.005 | 0.248 | 0.018 | 0.067 | 0.018 | 0.012 | 0.330 | 0.024 | 0.090 |
| 264 | NH | Schiller | 2367 | 4 | | 0.326 | 0.019 | 0.005 | 0.268 | 0.020 | 0.073 | 0.017 | 0.005 | 0.245 | 0.018 | 0.066 | 0.017 | 0.012 | 0.326 | 0.024 | 0.088 |
| 265 | OK | Muskogee | 2952 | 4 | | 0.323 | 0.021 | 0.008 | 0.323 | 0.024 | 0.088 | | | | | | | | | | |
| 266 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 0.321 | 0.020 | 0.008 | 0.321 | 0.024 | 0.087 | | | | | | | | | | |
| 267 | AL | E C Gaston | 26 | 5 | | 0.319 | 0.014 | 0.015 | 0.319 | 0.024 | 0.087 | | | | | | | | | | |
| 268 | KY | East Bend | 6018 | 2 | D060182 | 0.318 | 0.018 | 0.011 | 0.318 | 0.024 | 0.086 | | | | | | | | | | |
| 269 | WV | Longview Power | 56671 | 1 | | 0.316 | 0.021 | 0.007 | 0.316 | 0.023 | 0.086 | | | | | | | | | | |
| 270 | IN | Cayuga | 1001 | 1 | D010011 | 0.314 | 0.018 | 0.010 | 0.314 | 0.023 | 0.085 | | | | | | | | | | |
| 271 | OK | Muskogee | | 5 | D029525 | 0.296 | 0.019 | 0.007 | 0.296 | 0.022 | 0.080 | | | | | | | | | | |
| 272 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 0.295 | 0.009 | 0.017 | 0.295 | 0.022 | 0.080 | | | | | | | | | | |
| 273 | NC | Marshall | 2727 | 3 | D027273 | 0.293 | 0.018 | 0.008 | 0.293 | 0.022 | 0.080 | | | | | | | | | | |
| 274 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.287 | 0.023 | 0.002 | 0.287 | 0.021 | 0.078 | | | | | | | | | | |
| 275 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.286 | 0.024 | 0.002 | 0.286 | 0.021 | 0.078 | | | | | | | | | | |
| 276 | IL | Marion | | 4 | D009764 | 0.277 | 0.021 | 0.003 | 0.277 | 0.020 | 0.075 | | | | | | | | | | |
| 277 | PA | Shawville | 3131 | 1 | D031311 | 0.273 | 0.018 | 0.007 | 0.273 | 0.020 | 0.074 | | | | | | | | | | |
| 278 | OH | J M Stuart | 2850 | 2 | D028502 | 0.273 | 0.014 | 0.010 | 0.273 | 0.020 | 0.074 | | | | | | | | | | |
| 279 | TX | Welsh Power Plant | 6139 | 3 | | 0.271 | 0.020 | 0.004 | 0.271 | 0.020 | 0.074 | | | | | | | | | | |
| 280 | PA | Shawville | 3131 | 2 | D031312 | 0.267 | 0.018 | 0.006 | 0.267 | 0.020 | 0.072 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.262 | 0.017 | 0.007 | 0.262 | 0.019 | 0.071 | | | | | | | | | | |
| 282 | TX | Welsh Power Plant | 6139 | 2 | | 0.261 | 0.020 | 0.003 | 0.261 | 0.019 | 0.071 | | | | | | | | | | |
| 283 | TX | Welsh Power Plant | 6139 | 1 | | 0.260 | 0.019 | 0.004 | 0.260 | 0.019 | 0.071 | | | | | | | | | | |
| 284 | MO | Meramec | | 3 | D021043 | 0.251 | 0.019 | 0.003 | 0.251 | 0.019 | 0.068 | | | | | | | | | | |
| 285 | GA | Bowen | 703 | 1BLR | D007031LR | 0.242 | 0.008 | 0.013 | 0.242 | 0.018 | 0.066 | | | | | | | | | | |
| 286 | OH | W H Sammis | 2866 | 7 | D028667 | 0.233 | 0.010 | 0.010 | 0.233 | 0.017 | 0.063 | | | | | | | | | | |
| 287 | GA | Bowen | 703 | 4BLR | D007034LR | 0.231 | 0.005 | 0.016 | 0.231 | 0.017 | 0.063 | | | | | | | | | | |
| 288 | DE | Edge Moor | 593 | 5 | D005935 | 0.229 | 0.016 | 0.005 | 0.229 | 0.017 | 0.062 | | | | | | | | | | |
| 289 | OH | W H Sammis | 2866 | 6 | D02866M6A | 0.217 | 0.011 | 0.009 | 0.217 | 0.016 | 0.059 | | | | | | | | | | |
| 290 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.214 | 0.015 | 0.005 | 0.214 | 0.016 | 0.058 | | | | | | | | | | |
| 291 | TN | Cumberland | 3399 | 1 | | 0.214 | 0.014 | 0.005 | 0.214 | 0.016 | 0.058 | | | | | | | | | | |
| 292 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 0.206 | 0.007 | 0.011 | 0.206 | 0.015 | 0.056 | | | | | | | | | | |
| 293 | OK | Hugo | | 1 | D067721 | 0.204 | 0.015 | 0.004 | 0.204 | 0.015 | 0.055 | | | | | | | | | | |
| 294 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 0.202 | 0.007 | 0.011 | 0.202 | 0.015 | 0.055 | | | | | | | | | | |
| 295 | GA | Bowen | 703 | 2BLR | D007032LR | 0.197 | 0.004 | 0.013 | 0.197 | 0.015 | 0.054 | | | | | | | | | | |
| 296 | NC | Cliffside | 2721 | 5 | D027215 | 0.197 | 0.012 | 0.005 | 0.197 | 0.015 | 0.053 | | | | | | | | | | |
| 297 | MO | Sikeston | | 1 | D067681 | 0.190 | 0.014 | 0.003 | 0.190 | 0.014 | 0.052 | | | | | | | | | | |
| 298 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.188 | 0.010 | 0.007 | 0.188 | 0.014 | 0.051 | | | | | | | | | | |
| 299 | KS | Quindaro | 1295 | 2 | | 0.151 | 0.010 | 0.004 | 0.151 | 0.011 | 0.041 | | | | | | | | | | |
| 300 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.148 | 0.010 | 0.004 | 0.148 | 0.011 | 0.040 | | | | | | | | | | |
| 301 | SC | Winyah | 6249 | 1 | D062491 | 0.145 | 0.005 | 0.008 | 0.145 | 0.011 | 0.039 | | | | | | | | | | |
| 302 | OH | W H Sammis | 2866 | 5 | D028665 | 0.143 | 0.004 | 0.008 | 0.143 | 0.011 | 0.039 | | | | | | | | | | |
| 303 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.137 | 0.004 | 0.008 | 0.137 | 0.010 | 0.037 | | | | | | | | | | |
| 304 | GA | Bowen | 703 | 3BLR | D007033LR | 0.121 | 0.005 | 0.006 | 0.121 | 0.009 | 0.033 | | | | | | | | | | |
| 305 | ME | William F Wyman | 1507 | 3 | | 0.076 | 0.006 | 0.001 | 0.076 | 0.006 | 0.021 | | | | | | | | | | |
| 306 | ME | William F Wyman | 1507 | 1 | | 0.041 | 0.003 | 0.001 | 0.041 | 0.003 | 0.011 | | | | | | | | | | |
| 307 | ME | William F Wyman | 1507 | 2 | | 0.040 | 0.003 | 0.001 | 0.040 | 0.003 | 0.011 | | | | | | | | | | |
| 308 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.022 | 0.002 | 0.000 | 0.022 | 0.002 | 0.006 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## F.4 2015 EGU Ranking Visibility Impairing Sources to Brigantine

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 10.926 | 0.718 | 0.106 | 9.450 | 0.671 | 2.274 | 0.513 | 0.090 | 6.925 | 0.493 | 1.706 | 0.878 | 0.078 | 10.926 | 0.778 | 2.605 |
| 2 | PA | Homer City | 3122 | 1 | D031221 | 9.168 | 0.419 | 0.058 | 5.779 | 0.391 | 1.370 | 0.580 | 0.121 | 8.273 | 0.572 | 1.960 | 0.613 | 0.193 | 9.168 | 0.657 | 2.229 |
| 3 | PA | Homer City | 3122 | 2 | D031222 | 8.113 | 0.370 | 0.052 | 5.036 | 0.346 | 1.219 | 0.511 | 0.108 | 7.250 | 0.507 | 1.750 | 0.541 | 0.174 | 8.113 | 0.583 | 1.996 |
| 4 | OH | Muskingum River | 2872 | 5 | D028725 | 7.685 | 0.431 | 0.006 | 4.877 | 0.358 | 1.260 | 0.632 | 0.042 | 7.685 | 0.551 | 1.895 | 0.324 | 0.014 | 3.808 | 0.278 | 0.987 |
| 5 | WV | Harrison Power Station | | 1 (25%), 2 (20% | D03944C01 | 7.017 | 0.047 | 0.070 | 1.323 | 0.097 | 0.353 | 0.114 | 0.498 | 7.017 | 0.508 | 1.755 | 0.058 | 0.116 | 1.975 | 0.145 | 0.524 |
| 6 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 6.975 | 0.396 | 0.054 | 5.074 | 0.369 | 1.295 | 0.331 | 0.114 | 5.104 | 0.366 | 1.285 | 0.540 | 0.076 | 6.975 | 0.504 | 1.740 |
| 7 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 6.720 | 0.284 | 0.025 | 3.496 | 0.255 | 0.906 | 0.503 | 0.061 | 6.444 | 0.462 | 1.603 | 0.549 | 0.044 | 6.720 | 0.486 | 1.681 |
| 8 | NJ | B L England | 2378 | 2,3 | x12 | 5.641 | 0.227 | 0.271 | 5.641 | 0.410 | 1.433 | 0.086 | 0.066 | 1.745 | 0.127 | 0.458 | 0.047 | 0.053 | 1.128 | 0.083 | 0.302 |
| 9 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 4.437 | 0.201 | 0.011 | 2.465 | 0.175 | 0.628 | 0.302 | 0.094 | 4.437 | 0.325 | 1.146 | 0.152 | 0.032 | 2.068 | 0.152 | 0.548 |
| 10 | PA | Montour | 3149 | 1 | D031491 | 4.353 | 0.061 | 0.062 | 1.414 | 0.102 | 0.370 | 0.168 | 0.211 | 4.353 | 0.313 | 1.107 | 0.134 | 0.233 | 4.169 | 0.304 | 1.076 |
| 11 | PA | Montour | 3149 | 2 | D031492 | 4.098 | 0.050 | 0.062 | 1.337 | 0.093 | 0.337 | 0.138 | 0.210 | 4.098 | 0.288 | 1.022 | 0.110 | 0.232 | 3.884 | 0.284 | 1.006 |
| 12 | MI | Belle River | | 2 | D060342 | 3.985 | 0.057 | 0.027 | 0.944 | 0.070 | 0.254 | 0.126 | 0.061 | 2.102 | 0.154 | 0.556 | 0.234 | 0.118 | 3.985 | 0.291 | 1.030 |
| 13 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 3.974 | 0.062 | 0.089 | 1.714 | 0.126 | 0.455 | 0.195 | 0.157 | 3.974 | 0.291 | 1.030 | 0.157 | 0.166 | 3.657 | 0.267 | 0.950 |
| 14 | PA | Brunner Island | 3140 | 3 | D031403 | 3.839 | 0.072 | 0.085 | 1.748 | 0.130 | 0.471 | 0.193 | 0.106 | 3.417 | 0.247 | 0.881 | 0.190 | 0.149 | 3.839 | 0.280 | 0.994 |
| 15 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 3.835 | 0.167 | 0.081 | 2.834 | 0.205 | 0.735 | 0.269 | 0.056 | 3.835 | 0.267 | 0.950 | 0.128 | 0.078 | 2.330 | 0.171 | 0.615 |
| 16 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 3.827 | 0.083 | 0.009 | 1.270 | 0.075 | 0.275 | 0.236 | 0.029 | 3.827 | 0.217 | 0.778 | 0.216 | 0.008 | 2.505 | 0.184 | 0.660 |
| 17 | MI | Belle River | | 1 | D060341 | 3.686 | 0.050 | 0.027 | 0.873 | 0.064 | 0.235 | 0.112 | 0.061 | 1.945 | 0.143 | 0.515 | 0.208 | 0.119 | 3.686 | 0.269 | 0.957 |
| 18 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 3.604 | 0.094 | 0.022 | 1.298 | 0.095 | 0.346 | 0.174 | 0.062 | 2.642 | 0.195 | 0.699 | 0.249 | 0.071 | 3.604 | 0.263 | 0.936 |
| 19 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 3.517 | 0.287 | 0.027 | 3.517 | 0.259 | 0.920 | 0.269 | 0.026 | 3.297 | 0.243 | 0.865 | 0.255 | 0.036 | 3.278 | 0.240 | 0.855 |
| 20 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 3.330 | 0.238 | 0.039 | 3.330 | 0.228 | 0.815 | 0.157 | 0.092 | 2.646 | 0.206 | 0.739 | 0.159 | 0.056 | 2.420 | 0.178 | 0.638 |
| 21 | PA | Homer City | | 3 | D031223 | 3.258 | 0.050 | 0.064 | 1.409 | 0.095 | 0.345 | 0.058 | 0.132 | 2.203 | 0.158 | 0.569 | 0.074 | 0.212 | 3.258 | 0.238 | 0.850 |
| 22 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 3.214 | 0.114 | 0.019 | 1.472 | 0.110 | 0.398 | 0.205 | 0.076 | 3.214 | 0.232 | 0.829 | 0.124 | 0.032 | 1.752 | 0.129 | 0.466 |
| 23 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 3.145 | 0.045 | 0.024 | 0.782 | 0.057 | 0.210 | 0.096 | 0.062 | 1.776 | 0.131 | 0.474 | 0.172 | 0.106 | 3.145 | 0.230 | 0.822 |
| 24 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 3.073 | 0.223 | 0.034 | 3.073 | 0.212 | 0.759 | 0.147 | 0.082 | 2.447 | 0.190 | 0.681 | 0.149 | 0.050 | 2.236 | 0.164 | 0.591 |
| 25 | PA | Keystone | 3136 | 1 | D031361 | 2.828 | 0.110 | 0.066 | 1.955 | 0.145 | 0.525 | 0.118 | 0.114 | 2.492 | 0.193 | 0.691 | 0.165 | 0.086 | 2.828 | 0.207 | 0.742 |
| 26 | MI | St. Clair | 1743 | 7 | D017437 | 2.822 | 0.072 | 0.010 | 0.927 | 0.068 | 0.248 | 0.146 | 0.026 | 1.925 | 0.142 | 0.513 | 0.215 | 0.036 | 2.822 | 0.207 | 0.741 |
| 27 | PA | Keystone | 3136 | 2 | D031362 | 2.731 | 0.105 | 0.065 | 1.888 | 0.141 | 0.508 | 0.113 | 0.112 | 2.405 | 0.187 | 0.671 | 0.158 | 0.084 | 2.731 | 0.200 | 0.718 |
| 28 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 2.643 | 0.210 | 0.024 | 2.643 | 0.193 | 0.692 | 0.184 | 0.016 | 2.244 | 0.165 | 0.593 | 0.188 | 0.016 | 2.285 | 0.168 | 0.604 |
| 29 | MD | C P Crane | 1552 | 2 | D015522 | 2.617 | 0.045 | 0.041 | 1.076 | 0.071 | 0.259 | 0.079 | 0.175 | 2.617 | 0.211 | 0.756 | 0.071 | 0.105 | 1.994 | 0.147 | 0.529 |
| 30 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 2.577 | 0.056 | 0.024 | 0.929 | 0.066 | 0.241 | 0.086 | 0.160 | 2.577 | 0.205 | 0.734 | 0.069 | 0.048 | 1.319 | 0.097 | 0.353 |
| 31 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.552 | 0.059 | 0.009 | 0.762 | 0.056 | 0.206 | 0.126 | 0.019 | 1.624 | 0.120 | 0.434 | 0.192 | 0.035 | 2.552 | 0.187 | 0.672 |
| 32 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 2.551 | 0.149 | 0.055 | 2.385 | 0.168 | 0.606 | 0.147 | 0.075 | 2.551 | 0.183 | 0.659 | 0.116 | 0.079 | 2.196 | 0.161 | 0.581 |
| 33 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 2.543 | 0.215 | 0.013 | 2.543 | 0.187 | 0.673 | 0.158 | 0.029 | 2.115 | 0.154 | 0.556 | 0.113 | 0.013 | 1.404 | 0.103 | 0.375 |
| 34 | MD | Brandon Shores | 602 | 2 | D006022 | 2.457 | 0.022 | 0.026 | 0.668 | 0.040 | 0.146 | 0.059 | 0.100 | 2.457 | 0.133 | 0.481 | 0.056 | 0.034 | 1.006 | 0.074 | 0.270 |
| 35 | OH | Killen Station | 6031 | 2 | D060312 | 2.360 | 0.114 | 0.045 | 1.907 | 0.132 | 0.476 | 0.133 | 0.069 | 2.360 | 0.167 | 0.603 | 0.094 | 0.066 | 1.807 | 0.133 | 0.480 |
| 36 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 2.355 | 0.065 | 0.010 | 0.862 | 0.062 | 0.225 | 0.177 | 0.007 | 1.896 | 0.151 | 0.545 | 0.188 | 0.022 | 2.355 | 0.173 | 0.622 |
| 37 | MD | Brandon Shores | 602 | 1 | D006021 | 2.308 | 0.023 | 0.019 | 0.632 | 0.036 | 0.131 | 0.064 | 0.074 | 2.308 | 0.115 | 0.418 | 0.060 | 0.025 | 0.958 | 0.071 | 0.258 |
| 38 | MA | Brayton Point | 1619 | 4 | x07 | 2.300 | 0.102 | 0.040 | 1.596 | 0.117 | 0.425 | 0.113 | 0.051 | 1.845 | 0.136 | 0.491 | 0.148 | 0.056 | 2.300 | 0.169 | 0.608 |
| 39 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 2.275 | 0.128 | 0.031 | 2.275 | 0.132 | 0.476 | 0.086 | 0.090 | 1.775 | 0.146 | 0.527 | 0.053 | 0.035 | 0.988 | 0.073 | 0.266 |
| 40 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 2.257 | 0.134 | 0.017 | 1.707 | 0.125 | 0.453 | 0.079 | 0.017 | 1.071 | 0.079 | 0.288 | 0.167 | 0.034 | 2.257 | 0.166 | 0.597 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | IN | Tanners Creek | 988 | U4 | D00988U4 | 2.194 | 0.179 | 0.013 | 2.194 | 0.158 | 0.569 | 0.131 | 0.027 | 1.796 | 0.131 | 0.474 | 0.076 | 0.024 | 1.124 | 0.083 | 0.301 |
| 42 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 2.166 | 0.082 | 0.020 | 1.115 | 0.084 | 0.307 | 0.164 | 0.035 | 2.166 | 0.164 | 0.592 | 0.086 | 0.036 | 1.374 | 0.101 | 0.367 |
| 43 | MI | St. Clair | 1743 | 6 | D017436 | 1.985 | 0.090 | 0.006 | 1.058 | 0.078 | 0.286 | 0.162 | 0.014 | 1.978 | 0.145 | 0.523 | 0.164 | 0.013 | 1.985 | 0.146 | 0.526 |
| 44 | GA | Yates | | Y6BR | D00728Y6R | 1.904 | 0.120 | 0.011 | 1.482 | 0.108 | 0.391 | 0.156 | 0.011 | 1.904 | 0.138 | 0.497 | 0.108 | 0.018 | 1.412 | 0.104 | 0.377 |
| 45 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.861 | 0.001 | 0.095 | 1.139 | 0.081 | 0.295 | 0.003 | 0.135 | 1.741 | 0.116 | 0.420 | 0.002 | 0.161 | 1.861 | 0.137 | 0.495 |
| 46 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 1.795 | 0.077 | 0.024 | 1.183 | 0.084 | 0.304 | 0.098 | 0.045 | 1.795 | 0.119 | 0.430 | 0.078 | 0.018 | 1.076 | 0.079 | 0.289 |
| 47 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.781 | 0.066 | 0.005 | 0.785 | 0.059 | 0.216 | 0.149 | 0.012 | 1.781 | 0.133 | 0.480 | 0.090 | 0.008 | 1.095 | 0.081 | 0.294 |
| 48 | ME | William F Wyman | 1507 | 4 | D015074 | 1.648 | 0.062 | 0.022 | 0.930 | 0.070 | 0.254 | 0.050 | 0.025 | 0.808 | 0.062 | 0.227 | 0.116 | 0.031 | 1.648 | 0.121 | 0.439 |
| 49 | MA | Canal Station | 1599 | 2 | D015992 | 1.639 | 0.054 | 0.040 | 1.080 | 0.079 | 0.286 | 0.076 | 0.069 | 1.639 | 0.120 | 0.435 | 0.058 | 0.056 | 1.294 | 0.095 | 0.346 |
| 50 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 1.602 | 0.077 | 0.033 | 1.109 | 0.091 | 0.333 | 0.046 | 0.041 | 0.957 | 0.073 | 0.265 | 0.066 | 0.076 | 1.602 | 0.118 | 0.427 |
| 51 | MA | Canal Station | 1599 | 1 | D015991 | 1.570 | 0.069 | 0.025 | 1.072 | 0.078 | 0.284 | 0.097 | 0.042 | 1.570 | 0.115 | 0.417 | 0.090 | 0.042 | 1.478 | 0.109 | 0.395 |
| 52 | MD | C P Crane | 1552 | 1 | D015521 | 1.537 | 0.022 | 0.027 | 0.636 | 0.041 | 0.150 | 0.039 | 0.113 | 1.537 | 0.128 | 0.462 | 0.036 | 0.068 | 1.173 | 0.086 | 0.315 |
| 53 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 1.530 | 0.080 | 0.029 | 1.152 | 0.091 | 0.329 | 0.048 | 0.037 | 0.936 | 0.070 | 0.256 | 0.068 | 0.067 | 1.530 | 0.113 | 0.408 |
| 54 | PA | Cheswick | 8226 | 1 | D082261 | 1.504 | 0.025 | 0.048 | 1.066 | 0.062 | 0.225 | 0.035 | 0.073 | 1.504 | 0.091 | 0.329 | 0.031 | 0.096 | 1.437 | 0.106 | 0.384 |
| 55 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 1.502 | 0.069 | 0.002 | 0.792 | 0.058 | 0.212 | 0.077 | 0.003 | 0.957 | 0.066 | 0.240 | 0.131 | 0.003 | 1.502 | 0.111 | 0.401 |
| 56 | OH | Conesville | 2840 | 5,6 | D02840C06 | 1.498 | 0.051 | 0.023 | 0.670 | 0.062 | 0.225 | 0.047 | 0.086 | 1.498 | 0.112 | 0.404 | 0.037 | 0.075 | 1.270 | 0.094 | 0.340 |
| 57 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 1.492 | 0.064 | 0.005 | 0.764 | 0.057 | 0.208 | 0.068 | 0.006 | 0.813 | 0.061 | 0.221 | 0.113 | 0.020 | 1.492 | 0.110 | 0.398 |
| 58 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.485 | 0.063 | 0.017 | 0.885 | 0.066 | 0.242 | 0.086 | 0.052 | 1.485 | 0.115 | 0.415 | 0.103 | 0.014 | 1.308 | 0.096 | 0.350 |
| 59 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 1.442 | 0.032 | 0.020 | 0.605 | 0.043 | 0.157 | 0.056 | 0.080 | 1.442 | 0.113 | 0.411 | 0.038 | 0.033 | 0.801 | 0.059 | 0.216 |
| 60 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.350 | 0.101 | 0.004 | 1.161 | 0.086 | 0.314 | 0.095 | 0.010 | 1.199 | 0.087 | 0.317 | 0.113 | 0.007 | 1.350 | 0.099 | 0.361 |
| 61 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.299 | 0.051 | 0.004 | 0.601 | 0.045 | 0.165 | 0.098 | 0.014 | 1.299 | 0.093 | 0.337 | 0.072 | 0.008 | 0.893 | 0.066 | 0.240 |
| 62 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 1.270 | 0.087 | 0.003 | 1.000 | 0.074 | 0.268 | 0.101 | 0.013 | 1.270 | 0.094 | 0.340 | 0.054 | 0.008 | 0.697 | 0.051 | 0.188 |
| 63 | TX | Big Brown | 3497 | 1 | | 1.222 | 0.068 | 0.004 | 0.806 | 0.059 | 0.216 | 0.058 | 0.003 | 0.693 | 0.051 | 0.186 | 0.100 | 0.009 | 1.222 | 0.090 | 0.328 |
| 64 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 1.218 | 0.050 | 0.056 | 1.134 | 0.089 | 0.322 | 0.033 | 0.036 | 0.742 | 0.058 | 0.213 | 0.032 | 0.075 | 1.218 | 0.090 | 0.326 |
| 65 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 1.189 | 0.081 | 0.022 | 1.144 | 0.085 | 0.311 | 0.088 | 0.020 | 1.189 | 0.089 | 0.324 | 0.050 | 0.026 | 0.846 | 0.062 | 0.228 |
| 66 | TX | Big Brown | 3497 | 2 | | 1.180 | 0.065 | 0.004 | 0.779 | 0.057 | 0.208 | 0.056 | 0.003 | 0.670 | 0.049 | 0.179 | 0.096 | 0.010 | 1.180 | 0.087 | 0.316 |
| 67 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 1.057 | 0.052 | 0.029 | 0.912 | 0.067 | 0.245 | 0.061 | 0.032 | 1.057 | 0.077 | 0.282 | 0.056 | 0.033 | 1.000 | 0.074 | 0.269 |
| 68 | MD | Morgantown | 1573 | 1 | D015731 | 1.005 | 0.038 | 0.006 | 0.521 | 0.036 | 0.133 | 0.052 | 0.013 | 0.734 | 0.054 | 0.197 | 0.071 | 0.019 | 1.005 | 0.074 | 0.270 |
| 69 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 1.000 | 0.074 | 0.011 | 1.000 | 0.070 | 0.257 | 0.054 | 0.025 | 0.893 | 0.065 | 0.237 | 0.031 | 0.021 | 0.589 | 0.044 | 0.159 |
| 70 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33% | D02535C01 | 0.980 | 0.065 | 0.016 | 0.980 | 0.067 | 0.246 | 0.057 | 0.028 | 0.962 | 0.070 | 0.256 | 0.044 | 0.024 | 0.769 | 0.057 | 0.207 |
| 71 | NH | Merrimack | 2364 | 2 | D023642 | 0.971 | 0.014 | 0.020 | 0.786 | 0.028 | 0.103 | 0.016 | 0.033 | 0.971 | 0.041 | 0.151 | 0.013 | 0.069 | 0.936 | 0.069 | 0.252 |
| 72 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 0.946 | 0.084 | 0.003 | 0.946 | 0.071 | 0.259 | 0.075 | 0.008 | 0.927 | 0.069 | 0.250 | 0.046 | 0.005 | 0.578 | 0.043 | 0.156 |
| 73 | NH | Newington | 8002 | 1 | D080021 | 0.929 | 0.037 | 0.022 | 0.768 | 0.049 | 0.180 | 0.027 | 0.027 | 0.621 | 0.045 | 0.166 | 0.041 | 0.042 | 0.929 | 0.069 | 0.250 |
| 74 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.914 | 0.020 | 0.038 | 0.659 | 0.049 | 0.177 | 0.060 | 0.018 | 0.914 | 0.065 | 0.238 | 0.017 | 0.040 | 0.651 | 0.048 | 0.176 |
| 75 | TX | Martin Lake | 6146 | 1 | | 0.893 | 0.044 | 0.006 | 0.563 | 0.041 | 0.151 | 0.038 | 0.005 | 0.488 | 0.036 | 0.131 | 0.065 | 0.015 | 0.893 | 0.066 | 0.240 |
| 76 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.876 | 0.049 | 0.023 | 0.862 | 0.060 | 0.218 | 0.045 | 0.031 | 0.876 | 0.064 | 0.232 | 0.032 | 0.024 | 0.631 | 0.047 | 0.170 |
| 77 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.864 | 0.047 | 0.021 | 0.864 | 0.057 | 0.207 | 0.034 | 0.021 | 0.660 | 0.046 | 0.167 | 0.031 | 0.027 | 0.652 | 0.048 | 0.176 |
| 78 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.860 | 0.076 | 0.002 | 0.860 | 0.065 | 0.236 | 0.068 | 0.007 | 0.839 | 0.062 | 0.226 | 0.042 | 0.005 | 0.521 | 0.039 | 0.141 |
| 79 | TX | Martin Lake | 6146 | 3 | | 0.847 | 0.042 | 0.005 | 0.535 | 0.039 | 0.143 | 0.036 | 0.005 | 0.463 | 0.034 | 0.124 | 0.061 | 0.014 | 0.847 | 0.063 | 0.228 |
| 80 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.841 | 0.028 | 0.006 | 0.385 | 0.029 | 0.105 | 0.062 | 0.014 | 0.841 | 0.063 | 0.228 | 0.033 | 0.011 | 0.489 | 0.036 | 0.132 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 0.828 | 0.065 | 0.007 | 0.815 | 0.060 | 0.218 | 0.069 | 0.005 | 0.828 | 0.061 | 0.224 | 0.058 | 0.005 | 0.709 | 0.052 | 0.191 |
| 82 | TX | Monticello | 6147 | 1 | | 0.827 | 0.045 | 0.003 | 0.534 | 0.040 | 0.145 | 0.039 | 0.003 | 0.461 | 0.034 | 0.125 | 0.066 | 0.008 | 0.827 | 0.061 | 0.223 |
| 83 | MO | Sibley | | 1, 2, 3 | D02094C01 | 0.816 | 0.058 | 0.016 | 0.816 | 0.061 | 0.222 | 0.045 | 0.018 | 0.662 | 0.052 | 0.191 | 0.039 | 0.010 | 0.544 | 0.040 | 0.147 |
| 84 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.765 | 0.015 | 0.005 | 0.222 | 0.017 | 0.061 | 0.030 | 0.010 | 0.438 | 0.033 | 0.120 | 0.049 | 0.019 | 0.765 | 0.056 | 0.206 |
| 85 | KY | Paradise | 1378 | 2 | D013782 | 0.738 | 0.024 | 0.008 | 0.376 | 0.026 | 0.096 | 0.046 | 0.017 | 0.738 | 0.052 | 0.192 | 0.034 | 0.019 | 0.595 | 0.044 | 0.161 |
| 86 | KY | Paradise | 1378 | 3 | D013783 | 0.729 | 0.016 | 0.016 | 0.331 | 0.026 | 0.096 | 0.030 | 0.036 | 0.716 | 0.055 | 0.201 | 0.024 | 0.040 | 0.729 | 0.054 | 0.197 |
| 87 | IA | Ottumwa | | 1 | D062541 | 0.719 | 0.042 | 0.017 | 0.719 | 0.049 | 0.180 | 0.039 | 0.020 | 0.689 | 0.049 | 0.178 | 0.017 | 0.011 | 0.319 | 0.024 | 0.087 |
| 88 | TX | Martin Lake | 6146 | 2 | | 0.709 | 0.034 | 0.005 | 0.451 | 0.032 | 0.118 | 0.029 | 0.005 | 0.391 | 0.028 | 0.103 | 0.049 | 0.014 | 0.709 | 0.052 | 0.191 |
| 89 | MA | Brayton Point | 1619 | 2 | D016192 | 0.682 | 0.015 | 0.026 | 0.509 | 0.033 | 0.123 | 0.018 | 0.044 | 0.679 | 0.052 | 0.191 | 0.018 | 0.042 | 0.682 | 0.050 | 0.184 |
| 90 | IA | George Neal South | | 4 | D073434 | 0.673 | 0.035 | 0.015 | 0.567 | 0.042 | 0.153 | 0.038 | 0.024 | 0.673 | 0.051 | 0.188 | 0.019 | 0.009 | 0.318 | 0.023 | 0.086 |
| 91 | OH | J M Stuart | 2850 | 4 | D028404 | 0.669 | 0.033 | 0.011 | 0.511 | 0.037 | 0.134 | 0.043 | 0.014 | 0.669 | 0.048 | 0.175 | 0.033 | 0.014 | 0.524 | 0.039 | 0.142 |
| 92 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 0.668 | 0.020 | 0.020 | 0.668 | 0.033 | 0.122 | 0.020 | 0.021 | 0.663 | 0.034 | 0.124 | 0.011 | 0.025 | 0.406 | 0.030 | 0.110 |
| 93 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.663 | 0.053 | 0.010 | 0.663 | 0.052 | 0.192 | 0.031 | 0.013 | 0.531 | 0.036 | 0.132 | 0.025 | 0.007 | 0.354 | 0.026 | 0.096 |
| 94 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 0.652 | 0.040 | 0.020 | 0.556 | 0.050 | 0.181 | 0.034 | 0.022 | 0.562 | 0.046 | 0.169 | 0.030 | 0.028 | 0.652 | 0.048 | 0.176 |
| 95 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 0.613 | 0.028 | 0.004 | 0.368 | 0.026 | 0.095 | 0.027 | 0.005 | 0.373 | 0.026 | 0.097 | 0.037 | 0.018 | 0.613 | 0.045 | 0.166 |
| 96 | KY | Paradise | 1378 | 1 | D01720C09 | 0.592 | 0.019 | 0.006 | 0.301 | 0.021 | 0.078 | 0.037 | 0.014 | 0.592 | 0.042 | 0.154 | 0.027 | 0.015 | 0.481 | 0.036 | 0.130 |
| 97 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 0.588 | 0.035 | 0.014 | 0.588 | 0.040 | 0.147 | 0.032 | 0.019 | 0.588 | 0.043 | 0.156 | 0.022 | 0.014 | 0.412 | 0.030 | 0.112 |
| 98 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 0.566 | 0.022 | 0.014 | 0.566 | 0.030 | 0.110 | 0.022 | 0.015 | 0.561 | 0.030 | 0.111 | 0.012 | 0.018 | 0.335 | 0.025 | 0.091 |
| 99 | OH | Cardinal | 2828 | 3 | D028283 | 0.529 | 0.013 | 0.009 | 0.309 | 0.018 | 0.066 | 0.021 | 0.029 | 0.529 | 0.042 | 0.154 | 0.011 | 0.013 | 0.278 | 0.021 | 0.075 |
| 100 | KY | Mill Creek | 1364 | 4 | D013644 | 0.528 | 0.005 | 0.011 | 0.270 | 0.013 | 0.049 | 0.010 | 0.019 | 0.528 | 0.024 | 0.088 | 0.005 | 0.021 | 0.293 | 0.022 | 0.079 |
| 101 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.487 | 0.006 | 0.024 | 0.454 | 0.025 | 0.092 | 0.006 | 0.027 | 0.487 | 0.028 | 0.101 | 0.002 | 0.014 | 0.180 | 0.013 | 0.049 |
| 102 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.466 | 0.024 | 0.006 | 0.408 | 0.024 | 0.089 | 0.024 | 0.014 | 0.466 | 0.032 | 0.117 | 0.017 | 0.014 | 0.345 | 0.025 | 0.093 |
| 103 | MA | Brayton Point | 1619 | 3 | D016193 | 0.452 | 0.013 | 0.014 | 0.317 | 0.023 | 0.083 | 0.014 | 0.019 | 0.344 | 0.028 | 0.101 | 0.019 | 0.021 | 0.452 | 0.033 | 0.122 |
| 104 | OK | Grand River Dam Authority | | 1 | D001651 | 0.447 | 0.022 | 0.000 | 0.256 | 0.018 | 0.067 | 0.038 | 0.000 | 0.447 | 0.031 | 0.115 | 0.025 | 0.000 | 0.275 | 0.020 | 0.075 |
| 105 | MO | Labadie | | 4 | D021034 | 0.434 | 0.020 | 0.004 | 0.263 | 0.020 | 0.072 | 0.033 | 0.006 | 0.434 | 0.032 | 0.118 | 0.034 | 0.004 | 0.423 | 0.031 | 0.115 |
| 106 | DE | Indian River | 594 | 4 | D005944 | 0.409 | 0.030 | 0.004 | 0.381 | 0.028 | 0.103 | 0.034 | 0.003 | 0.409 | 0.030 | 0.111 | 0.027 | 0.003 | 0.334 | 0.025 | 0.091 |
| 107 | NH | Merrimack | 2364 | 1 | D023641 | 0.394 | 0.005 | 0.008 | 0.321 | 0.011 | 0.039 | 0.006 | 0.013 | 0.394 | 0.016 | 0.058 | 0.005 | 0.028 | 0.375 | 0.028 | 0.102 |
| 108 | MI | Monroe | 1733 | 1,2 | D01733C12 | 0.389 | 0.006 | 0.010 | 0.203 | 0.013 | 0.049 | 0.012 | 0.022 | 0.389 | 0.028 | 0.103 | 0.009 | 0.018 | 0.314 | 0.023 | 0.085 |
| 109 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.369 | 0.017 | 0.005 | 0.223 | 0.018 | 0.066 | 0.014 | 0.013 | 0.369 | 0.023 | 0.084 | 0.017 | 0.008 | 0.278 | 0.021 | 0.075 |
| 110 | MA | Brayton Point | 1619 | 1 | D016191 | 0.333 | 0.015 | 0.007 | 0.255 | 0.018 | 0.066 | 0.018 | 0.011 | 0.327 | 0.025 | 0.090 | 0.019 | 0.011 | 0.333 | 0.025 | 0.090 |
| 111 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.304 | 0.010 | 0.005 | 0.225 | 0.012 | 0.045 | 0.007 | 0.004 | 0.150 | 0.009 | 0.033 | 0.013 | 0.014 | 0.304 | 0.022 | 0.082 |
| 112 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.296 | 0.010 | 0.004 | 0.221 | 0.012 | 0.045 | 0.007 | 0.004 | 0.147 | 0.009 | 0.032 | 0.013 | 0.013 | 0.296 | 0.022 | 0.080 |
| 113 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.294 | 0.018 | 0.003 | 0.245 | 0.017 | 0.063 | 0.017 | 0.009 | 0.294 | 0.021 | 0.079 | 0.013 | 0.009 | 0.251 | 0.019 | 0.068 |
| 114 | GA | Yates | | Y7BR | D00728Y7R | 0.281 | 0.000 | 0.011 | 0.219 | 0.009 | 0.035 | 0.000 | 0.011 | 0.281 | 0.009 | 0.034 | 0.000 | 0.018 | 0.210 | 0.016 | 0.057 |
| 115 | NH | Schiller | 2367 | 4 | | 0.279 | 0.016 | 0.004 | 0.230 | 0.017 | 0.061 | 0.014 | 0.004 | 0.210 | 0.015 | 0.056 | 0.015 | 0.010 | 0.279 | 0.021 | 0.076 |
| 116 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.278 | 0.011 | 0.007 | 0.199 | 0.015 | 0.056 | 0.016 | 0.009 | 0.278 | 0.021 | 0.076 | 0.012 | 0.007 | 0.219 | 0.016 | 0.060 |
| 117 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.272 | 0.009 | 0.002 | 0.120 | 0.009 | 0.034 | 0.020 | 0.005 | 0.272 | 0.021 | 0.076 | 0.011 | 0.004 | 0.163 | 0.012 | 0.044 |
| 118 | NH | Schiller | 2367 | 6 | | 0.264 | 0.016 | 0.003 | 0.216 | 0.016 | 0.060 | 0.014 | 0.004 | 0.198 | 0.015 | 0.055 | 0.015 | 0.009 | 0.264 | 0.020 | 0.072 |
| 119 | WI | Columbia | | 1 | D080231 | 0.195 | 0.006 | 0.005 | 0.156 | 0.010 | 0.036 | 0.007 | 0.014 | 0.195 | 0.018 | 0.065 | 0.005 | 0.006 | 0.119 | 0.009 | 0.032 |
| 120 | GA | Scherer | | 4 | D062574 | 0.172 | 0.002 | 0.013 | 0.164 | 0.013 | 0.046 | 0.002 | 0.014 | 0.172 | 0.014 | 0.051 | 0.001 | 0.008 | 0.103 | 0.008 | 0.028 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | WI | Columbia | | 2 | D080232 | 0.164 | 0.006 | 0.004 | 0.139 | 0.008 | 0.031 | 0.006 | 0.012 | 0.164 | 0.015 | 0.057 | 0.005 | 0.005 | 0.113 | 0.008 | 0.031 |
| 122 | GA | Scherer | | 1 | D062571 | 0.160 | 0.002 | 0.013 | 0.155 | 0.013 | 0.046 | 0.002 | 0.015 | 0.160 | 0.014 | 0.050 | 0.001 | 0.008 | 0.099 | 0.007 | 0.027 |
| 123 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.137 | 0.005 | 0.007 | 0.137 | 0.010 | 0.035 | 0.002 | 0.004 | 0.073 | 0.006 | 0.021 | 0.002 | 0.003 | 0.064 | 0.005 | 0.017 |
| 124 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.131 | 0.005 | 0.006 | 0.131 | 0.009 | 0.032 | 0.002 | 0.004 | 0.070 | 0.005 | 0.019 | 0.002 | 0.003 | 0.055 | 0.004 | 0.015 |
| 125 | GA | Scherer | | 2 | D062572 | 0.122 | 0.001 | 0.010 | 0.118 | 0.010 | 0.035 | 0.001 | 0.011 | 0.122 | 0.010 | 0.038 | 0.001 | 0.006 | 0.075 | 0.006 | 0.020 |
| 126 | VA | Bremo Power Station | | 4 | D037964 | 0.117 | 0.000 | 0.006 | 0.117 | 0.005 | 0.018 | 0.000 | 0.009 | 0.111 | 0.007 | 0.027 | 0.000 | 0.008 | 0.092 | 0.007 | 0.025 |
| 127 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.100 | 0.003 | 0.005 | 0.100 | 0.006 | 0.023 | 0.002 | 0.016 | 0.098 | 0.016 | 0.057 | 0.003 | 0.006 | 0.099 | 0.007 | 0.027 |
| 128 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.088 | 0.002 | 0.005 | 0.088 | 0.006 | 0.022 | 0.002 | 0.014 | 0.087 | 0.013 | 0.048 | 0.002 | 0.006 | 0.086 | 0.006 | 0.023 |
| 129 | KS | La Cygne | 1241 | 1 | | 0.045 | 0.004 | 0.000 | 0.045 | 0.004 | 0.013 | 0.003 | 0.000 | 0.035 | 0.003 | 0.009 | 0.002 | 0.000 | 0.029 | 0.002 | 0.008 |
| 130 | KS | La Cygne | | 2 | D012412 | 0.015 | 0.001 | 0.000 | 0.015 | 0.001 | 0.004 | 0.001 | 0.000 | 0.014 | 0.001 | 0.004 | 0.001 | 0.000 | 0.010 | 0.001 | 0.003 |

## F.5 2011 EGU Ranking Visibility Impairing Sources to Campobello/Roosevelt

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 17.633 | 1.326 | 0.097 | 17.633 | 2.645 | 6.276 | 1.102 | 0.264 | 16.838 | 2.541 | 6.063 | 0.982 | 0.182 | 14.310 | 2.198 | 5.356 |
| 2 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 8.186 | 0.407 | 0.027 | 5.253 | 0.863 | 2.312 | 0.391 | 0.021 | 4.976 | 0.819 | 2.202 | 0.645 | 0.027 | 8.186 | 1.314 | 3.403 |
| 3 | MA | Brayton Point | 1619 | 3 | D016193 | 7.891 | 0.593 | 0.056 | 7.891 | 1.270 | 3.298 | 0.391 | 0.044 | 5.276 | 0.867 | 2.321 | 0.299 | 0.040 | 4.090 | 0.679 | 1.844 |
| 4 | MI | Monroe | 1733 | 1,2 | D01733C12 | 7.430 | 0.300 | 0.040 | 4.118 | 0.683 | 1.856 | 0.222 | 0.091 | 3.789 | 0.631 | 1.719 | 0.484 | 0.128 | 7.430 | 1.201 | 3.133 |
| 5 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 6.764 | 0.535 | 0.022 | 6.764 | 1.098 | 2.888 | 0.349 | 0.051 | 4.836 | 0.798 | 2.147 | 0.266 | 0.043 | 3.737 | 0.622 | 1.698 |
| 6 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 5.377 | 0.420 | 0.012 | 5.226 | 0.859 | 2.301 | 0.416 | 0.028 | 5.377 | 0.883 | 2.361 | 0.235 | 0.012 | 2.979 | 0.498 | 1.376 |
| 7 | NH | Merrimack | 2364 | 2 | D023642 | 5.225 | 0.362 | 0.070 | 5.225 | 0.859 | 2.301 | 0.374 | 0.045 | 5.071 | 0.835 | 2.240 | 0.343 | 0.036 | 4.582 | 0.757 | 2.044 |
| 8 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 4.573 | 0.351 | 0.027 | 4.573 | 0.755 | 2.041 | 0.180 | 0.042 | 2.676 | 0.449 | 1.244 | 0.325 | 0.032 | 4.306 | 0.713 | 1.933 |
| 9 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 3.936 | 0.270 | 0.056 | 3.936 | 0.654 | 1.781 | 0.165 | 0.054 | 2.641 | 0.444 | 1.229 | 0.158 | 0.029 | 2.255 | 0.380 | 1.058 |
| 10 | OH | Eastlake | | 5 | D028375 | 3.621 | 0.235 | 0.018 | 3.048 | 0.510 | 1.406 | 0.197 | 0.029 | 2.721 | 0.456 | 1.264 | 0.273 | 0.027 | 3.621 | 0.603 | 1.649 |
| 11 | PA | Homer City | 3122 | 2 | D031222 | 3.603 | 0.289 | 0.010 | 3.603 | 0.600 | 1.641 | 0.195 | 0.026 | 2.667 | 0.448 | 1.240 | 0.182 | 0.016 | 2.381 | 0.400 | 1.114 |
| 12 | PA | Homer City | 3122 | 1 | D031221 | 3.578 | 0.289 | 0.008 | 3.578 | 0.596 | 1.631 | 0.195 | 0.021 | 2.603 | 0.437 | 1.212 | 0.181 | 0.013 | 2.341 | 0.394 | 1.097 |
| 13 | MA | Brayton Point | 1619 | 2 | D016192 | 3.397 | 0.245 | 0.037 | 3.397 | 0.567 | 1.555 | 0.149 | 0.032 | 2.182 | 0.368 | 1.026 | 0.200 | 0.039 | 2.877 | 0.482 | 1.332 |
| 14 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 3.110 | 0.230 | 0.028 | 3.110 | 0.520 | 1.432 | 0.147 | 0.022 | 2.035 | 0.343 | 0.960 | 0.139 | 0.016 | 1.864 | 0.315 | 0.883 |
| 15 | MA | Brayton Point | 1619 | 1 | D016191 | 2.993 | 0.225 | 0.023 | 2.993 | 0.501 | 1.382 | 0.141 | 0.023 | 1.977 | 0.334 | 0.934 | 0.189 | 0.024 | 2.562 | 0.430 | 1.194 |
| 16 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 2.818 | 0.225 | 0.009 | 2.818 | 0.472 | 1.306 | 0.148 | 0.018 | 1.997 | 0.337 | 0.943 | 0.093 | 0.011 | 1.259 | 0.214 | 0.605 |
| 17 | PA | Cheswick | 8226 | 1 | D082261 | 2.735 | 0.215 | 0.012 | 2.735 | 0.459 | 1.270 | 0.144 | 0.040 | 2.212 | 0.373 | 1.039 | 0.099 | 0.015 | 1.371 | 0.233 | 0.657 |
| 18 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 2.640 | 0.184 | 0.009 | 2.324 | 0.391 | 1.089 | 0.191 | 0.028 | 2.640 | 0.443 | 1.228 | 0.117 | 0.011 | 1.538 | 0.261 | 0.734 |
| 19 | NH | Merrimack | 2364 | 1 | D023641 | 2.555 | 0.181 | 0.031 | 2.555 | 0.429 | 1.191 | 0.187 | 0.020 | 2.494 | 0.419 | 1.164 | 0.172 | 0.016 | 2.258 | 0.380 | 1.060 |
| 20 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 2.520 | 0.139 | 0.028 | 2.013 | 0.340 | 0.950 | 0.135 | 0.073 | 2.520 | 0.424 | 1.176 | 0.098 | 0.039 | 1.654 | 0.280 | 0.787 |
| 21 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.504 | 0.181 | 0.027 | 2.504 | 0.421 | 1.169 | 0.114 | 0.018 | 1.579 | 0.267 | 0.753 | 0.187 | 0.013 | 2.402 | 0.404 | 1.124 |
| 22 | NC | L V Sutton | | 3 | D027133 | 2.446 | 0.190 | 0.013 | 2.446 | 0.411 | 1.143 | 0.111 | 0.020 | 1.567 | 0.266 | 0.747 | 0.037 | 0.011 | 0.574 | 0.098 | 0.280 |
| 23 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 2.436 | 0.191 | 0.012 | 2.436 | 0.409 | 1.139 | 0.055 | 0.011 | 0.787 | 0.134 | 0.382 | 0.065 | 0.011 | 0.911 | 0.155 | 0.441 |
| 24 | NH | Newington | 8002 | 1 | D080021 | 2.314 | 0.175 | 0.017 | 2.314 | 0.389 | 1.085 | 0.107 | 0.032 | 1.681 | 0.285 | 0.799 | 0.084 | 0.015 | 1.188 | 0.202 | 0.572 |
| 25 | PA | Keystone | 3136 | 1 | D031361 | 2.264 | 0.162 | 0.026 | 2.264 | 0.381 | 1.062 | 0.116 | 0.065 | 2.183 | 0.368 | 1.026 | 0.106 | 0.041 | 1.776 | 0.301 | 0.843 |
| 26 | PA | Keystone | 3136 | 2 | D031362 | 2.254 | 0.162 | 0.026 | 2.254 | 0.380 | 1.058 | 0.115 | 0.064 | 2.172 | 0.367 | 1.021 | 0.106 | 0.041 | 1.768 | 0.299 | 0.839 |
| 27 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 2.252 | 0.140 | 0.024 | 1.975 | 0.333 | 0.933 | 0.163 | 0.017 | 2.165 | 0.365 | 1.018 | 0.171 | 0.016 | 2.252 | 0.379 | 1.057 |
| 28 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 2.220 | 0.172 | 0.013 | 2.220 | 0.374 | 1.043 | 0.153 | 0.030 | 2.199 | 0.371 | 1.033 | 0.164 | 0.020 | 2.213 | 0.373 | 1.040 |
| 29 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 2.164 | 0.170 | 0.005 | 2.100 | 0.354 | 0.989 | 0.168 | 0.012 | 2.164 | 0.365 | 1.018 | 0.095 | 0.005 | 1.202 | 0.204 | 0.578 |
| 30 | VA | Chesapeake Energy Center | | 4 | D038034 | 2.142 | 0.161 | 0.017 | 2.142 | 0.361 | 1.008 | 0.071 | 0.014 | 1.019 | 0.174 | 0.492 | 0.092 | 0.009 | 1.210 | 0.206 | 0.582 |
| 31 | ME | William F Wyman | 1507 | 4 | D015074 | 2.134 | 0.133 | 0.044 | 2.134 | 0.360 | 1.005 | 0.114 | 0.023 | 1.653 | 0.280 | 0.787 | 0.096 | 0.013 | 1.309 | 0.222 | 0.628 |
| 32 | OH | Muskingum River | 2872 | 5 | D028725 | 2.071 | 0.170 | 0.003 | 2.071 | 0.349 | 0.976 | 0.110 | 0.005 | 1.376 | 0.233 | 0.659 | 0.085 | 0.006 | 1.089 | 0.185 | 0.525 |
| 33 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.048 | 0.096 | 0.009 | 1.261 | 0.214 | 0.606 | 0.089 | 0.014 | 1.239 | 0.210 | 0.595 | 0.148 | 0.022 | 2.048 | 0.345 | 0.966 |
| 34 | MA | Canal Station | 1599 | 1 | D015991 | 2.009 | 0.146 | 0.021 | 2.009 | 0.339 | 0.948 | 0.116 | 0.021 | 1.648 | 0.279 | 0.784 | 0.088 | 0.018 | 1.277 | 0.217 | 0.613 |
| 35 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 1.990 | 0.134 | 0.019 | 1.845 | 0.312 | 0.874 | 0.137 | 0.028 | 1.990 | 0.336 | 0.940 | 0.066 | 0.012 | 0.943 | 0.161 | 0.456 |
| 36 | PA | Portland | | 3 (2) | d031132 | 1.985 | 0.125 | 0.008 | 1.597 | 0.270 | 0.761 | 0.150 | 0.015 | 1.985 | 0.335 | 0.937 | 0.130 | 0.022 | 1.830 | 0.309 | 0.867 |
| 37 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 1.952 | 0.141 | 0.005 | 1.757 | 0.297 | 0.834 | 0.147 | 0.016 | 1.952 | 0.329 | 0.922 | 0.090 | 0.006 | 1.150 | 0.195 | 0.554 |
| 38 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 1.942 | 0.081 | 0.034 | 1.387 | 0.236 | 0.664 | 0.103 | 0.042 | 1.745 | 0.295 | 0.829 | 0.102 | 0.058 | 1.942 | 0.328 | 0.918 |
| 39 | MI | St. Clair | 1743 | 7 | D017437 | 1.893 | 0.123 | 0.014 | 1.640 | 0.277 | 0.781 | 0.141 | 0.016 | 1.893 | 0.320 | 0.896 | 0.116 | 0.019 | 1.627 | 0.275 | 0.775 |
| 40 | IN | Tanners Creek | 988 | U4 | D00988U4 | 1.893 | 0.149 | 0.009 | 1.893 | 0.320 | 0.896 | 0.141 | 0.015 | 1.877 | 0.317 | 0.889 | 0.079 | 0.008 | 1.041 | 0.177 | 0.502 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33 | D02535C01 | 1.793 | 0.136 | 0.013 | **1.793** | 0.303 | 0.851 | 0.109 | 0.013 | **1.468** | 0.249 | 0.702 | 0.097 | 0.020 | **1.406** | 0.238 | 0.673 |
| 42 | OH | Cardinal | 2828 | 3 | D028283 | 1.791 | 0.146 | 0.004 | **1.791** | 0.303 | 0.850 | 0.109 | 0.007 | **1.383** | 0.235 | 0.663 | 0.064 | 0.005 | 0.829 | 0.141 | 0.402 |
| 43 | PA | Brunner Island | 3140 | 3 | D031403 | 1.745 | 0.059 | 0.026 | **1.024** | 0.174 | 0.495 | 0.068 | 0.076 | **1.745** | 0.296 | 0.829 | 0.083 | 0.050 | **1.608** | 0.273 | 0.766 |
| 44 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.717 | 0.044 | 0.014 | 0.696 | 0.119 | 0.339 | 0.051 | 0.015 | 0.796 | 0.136 | 0.387 | 0.109 | 0.033 | **1.717** | 0.291 | 0.816 |
| 45 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.648 | 0.028 | 0.039 | 0.814 | 0.139 | 0.395 | 0.033 | 0.102 | **1.648** | 0.280 | 0.784 | 0.026 | 0.075 | **1.230** | 0.210 | 0.591 |
| 46 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 1.641 | 0.051 | 0.021 | 0.867 | 0.148 | 0.420 | 0.085 | 0.051 | **1.641** | 0.278 | 0.781 | 0.059 | 0.046 | **1.271** | 0.216 | 0.610 |
| 47 | VA | Chesapeake Energy Center | | 3 | D038033 | 1.599 | 0.116 | 0.017 | **1.599** | 0.271 | 0.762 | 0.050 | 0.014 | 0.775 | 0.132 | 0.376 | 0.064 | 0.009 | 0.878 | 0.150 | 0.426 |
| 48 | PA | Montour | 3149 | 1 | D031491 | 1.590 | 0.103 | 0.029 | **1.590** | 0.269 | 0.758 | 0.051 | 0.053 | **1.272** | 0.216 | 0.611 | 0.056 | 0.052 | **1.300** | 0.221 | 0.624 |
| 49 | PA | Montour | 3149 | 2 | D031492 | 1.569 | 0.104 | 0.026 | **1.569** | 0.266 | 0.748 | 0.052 | 0.048 | **1.213** | 0.207 | 0.583 | 0.056 | 0.047 | **1.245** | 0.212 | 0.598 |
| 50 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 1.555 | 0.124 | 0.005 | **1.555** | 0.263 | 0.742 | 0.053 | 0.007 | 0.719 | 0.123 | 0.350 | 0.028 | 0.004 | 0.384 | 0.066 | 0.188 |
| 51 | NC | L V Sutton | | 1, 2 | D02713C02 | 1.497 | 0.119 | 0.006 | **1.497** | 0.254 | 0.715 | 0.064 | 0.008 | 0.865 | 0.147 | 0.419 | 0.022 | 0.004 | 0.320 | 0.055 | 0.157 |
| 52 | MI | Belle River | | 2 | D060342 | 1.484 | 0.064 | 0.027 | **1.097** | 0.187 | 0.529 | 0.072 | 0.029 | **1.216** | 0.207 | 0.585 | 0.086 | 0.037 | **1.484** | 0.252 | 0.709 |
| 53 | MI | Belle River | | 1 | D060341 | 1.465 | 0.063 | 0.027 | **1.083** | 0.184 | 0.522 | 0.071 | 0.029 | **1.199** | 0.204 | 0.577 | 0.084 | 0.037 | **1.465** | 0.249 | 0.700 |
| 54 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 1.433 | 0.112 | 0.007 | **1.433** | 0.243 | 0.686 | 0.100 | 0.006 | **1.273** | 0.216 | 0.611 | | | | | |
| 55 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 1.429 | 0.112 | 0.007 | **1.429** | 0.242 | 0.683 | 0.023 | 0.005 | 0.336 | 0.058 | 0.165 | 0.023 | 0.006 | 0.347 | 0.059 | 0.170 |
| 56 | WV | Harrison Power Station | | 1 (25%), 2 (20 | D03944C01 | 1.392 | 0.032 | 0.023 | 0.666 | 0.114 | 0.324 | 0.030 | 0.084 | **1.392** | 0.237 | 0.667 | 0.019 | 0.053 | 0.877 | 0.150 | 0.425 |
| 57 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 1.386 | 0.103 | 0.012 | **1.386** | 0.235 | 0.664 | 0.058 | 0.007 | 0.780 | 0.133 | 0.379 | 0.088 | 0.008 | **1.151** | 0.196 | 0.554 |
| 58 | NJ | B L England | 2378 | 1 | | 1.382 | 0.079 | 0.009 | **1.061** | 0.180 | 0.512 | 0.082 | 0.011 | **1.123** | 0.191 | 0.541 | 0.105 | 0.010 | **1.382** | 0.234 | 0.662 |
| 59 | SC | Jefferies | 3319 | 4 | | 1.381 | 0.107 | 0.008 | **1.381** | 0.234 | 0.661 | 0.104 | 0.010 | **1.368** | 0.232 | 0.656 | 0.038 | 0.003 | 0.499 | 0.085 | 0.244 |
| 60 | SC | Jefferies | 3319 | 3 | | 1.380 | 0.107 | 0.008 | **1.380** | 0.234 | 0.661 | 0.105 | 0.009 | **1.373** | 0.233 | 0.658 | 0.040 | 0.003 | 0.514 | 0.088 | 0.251 |
| 61 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 1.353 | 0.084 | 0.029 | **1.353** | 0.230 | 0.648 | 0.065 | 0.043 | **1.303** | 0.222 | 0.625 | 0.064 | 0.040 | **1.257** | 0.214 | 0.604 |
| 62 | MD | C P Crane | 1552 | 2 | D015522 | 1.341 | 0.053 | 0.010 | 0.757 | 0.129 | 0.368 | 0.083 | 0.019 | **1.231** | 0.209 | 0.592 | 0.087 | 0.024 | **1.341** | 0.228 | 0.643 |
| 63 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.339 | 0.062 | 0.023 | **1.024** | 0.174 | 0.495 | 0.088 | 0.024 | **1.339** | 0.227 | 0.642 | 0.063 | 0.029 | **1.105** | 0.188 | 0.533 |
| 64 | MA | Canal Station | 1599 | 2 | D015992 | 1.322 | 0.084 | 0.026 | **1.322** | 0.225 | 0.634 | 0.072 | 0.031 | **1.238** | 0.210 | 0.595 | 0.049 | 0.019 | 0.826 | 0.141 | 0.401 |
| 65 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 1.301 | 0.044 | 0.062 | **1.292** | 0.220 | 0.620 | 0.040 | 0.051 | **1.105** | 0.188 | 0.533 | 0.055 | 0.053 | **1.301** | 0.221 | 0.624 |
| 66 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 1.281 | 0.070 | 0.012 | 0.985 | 0.168 | 0.476 | 0.079 | 0.028 | **1.281** | 0.218 | 0.615 | 0.041 | 0.022 | 0.759 | 0.130 | 0.369 |
| 67 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 1.280 | 0.103 | 0.004 | **1.280** | 0.217 | 0.614 | 0.040 | 0.005 | 0.535 | 0.091 | 0.262 | 0.018 | 0.003 | 0.247 | 0.042 | 0.122 |
| 68 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 1.269 | 0.101 | 0.005 | **1.269** | 0.215 | 0.609 | 0.076 | 0.020 | **1.153** | 0.196 | 0.555 | 0.070 | 0.014 | **1.009** | 0.172 | 0.487 |
| 69 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 1.252 | 0.099 | 0.005 | **1.252** | 0.213 | 0.602 | 0.075 | 0.019 | **1.135** | 0.193 | 0.547 | 0.069 | 0.014 | 0.994 | 0.169 | 0.480 |
| 70 | MD | Morgantown | 1573 | 1 | D015731 | 1.237 | 0.098 | 0.005 | **1.237** | 0.210 | 0.594 | 0.096 | 0.003 | **1.181** | 0.201 | 0.568 | 0.095 | 0.003 | **1.183** | 0.201 | 0.569 |
| 71 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 1.237 | 0.095 | 0.008 | **1.237** | 0.210 | 0.594 | 0.065 | 0.021 | **1.036** | 0.176 | 0.500 | 0.043 | 0.013 | 0.675 | 0.115 | 0.329 |
| 72 | PA | Portland | | 2 (1) | d031131 | 1.210 | 0.080 | 0.003 | 0.991 | 0.169 | 0.479 | 0.095 | 0.006 | **1.210** | 0.206 | 0.582 | 0.089 | 0.009 | **1.171** | 0.199 | 0.564 |
| 73 | MD | C P Crane | 1552 | 1 | D015521 | 1.208 | 0.048 | 0.009 | 0.683 | 0.117 | 0.332 | 0.075 | 0.017 | **1.111** | 0.189 | 0.535 | 0.079 | 0.021 | **1.208** | 0.205 | 0.581 |
| 74 | DE | Indian River | 594 | 4 | D005944 | 1.207 | 0.060 | 0.007 | 0.809 | 0.138 | 0.393 | 0.086 | 0.015 | **1.207** | 0.205 | 0.581 | 0.033 | 0.009 | 0.504 | 0.086 | 0.247 |
| 75 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 1.192 | 0.094 | 0.005 | **1.192** | 0.203 | 0.574 | 0.032 | 0.006 | 0.459 | 0.079 | 0.225 | 0.021 | 0.003 | 0.285 | 0.049 | 0.140 |
| 76 | MA | Brayton Point | 1619 | 4 | x07 | 1.187 | 0.079 | 0.020 | **1.187** | 0.202 | 0.571 | 0.068 | 0.022 | **1.082** | 0.184 | 0.522 | 0.037 | 0.014 | 0.608 | 0.104 | 0.296 |
| 77 | PA | Sunbury | | 4 | D031524 | 1.185 | 0.096 | 0.003 | **1.185** | 0.201 | 0.570 | 0.060 | 0.007 | 0.794 | 0.135 | 0.386 | 0.041 | 0.005 | 0.558 | 0.095 | 0.273 |
| 78 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 1.176 | 0.096 | 0.002 | **1.176** | 0.200 | 0.566 | 0.044 | 0.003 | 0.571 | 0.097 | 0.279 | 0.040 | 0.002 | 0.510 | 0.087 | 0.250 |
| 79 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.174 | 0.030 | 0.066 | **1.174** | 0.200 | 0.565 | 0.021 | 0.053 | 0.894 | 0.153 | 0.433 | 0.014 | 0.026 | 0.487 | 0.084 | 0.238 |
| 80 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.167 | 0.051 | 0.016 | 0.806 | 0.138 | 0.391 | 0.082 | 0.015 | **1.167** | 0.198 | 0.562 | 0.053 | 0.018 | 0.863 | 0.147 | 0.418 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | SC | Canadys Steam | | CAN3 | D03280CN3 | 1.154 | 0.089 | 0.007 | **1.154** | 0.196 | 0.556 | 0.067 | 0.006 | 0.885 | 0.151 | 0.429 | 0.030 | 0.003 | 0.389 | 0.067 | 0.191 |
| 82 | MI | St. Clair | 1743 | 6 | D017436 | 1.145 | 0.074 | 0.009 | **1.001** | 0.170 | 0.484 | 0.087 | 0.009 | **1.145** | 0.195 | 0.551 | 0.069 | 0.012 | 0.976 | 0.166 | 0.472 |
| 83 | PA | Armstrong Power Station | | 1 | D031781 | 1.116 | 0.089 | 0.004 | **1.116** | 0.190 | 0.538 | 0.067 | 0.008 | 0.898 | 0.153 | 0.435 | | | | | |
| 84 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 1.115 | 0.032 | 0.008 | 0.480 | 0.082 | 0.235 | 0.089 | 0.004 | **1.115** | 0.189 | 0.537 | 0.066 | 0.014 | 0.963 | 0.164 | 0.466 |
| 85 | PA | Armstrong Power Station | | 2 | D031782 | 1.098 | 0.087 | 0.004 | **1.098** | 0.187 | 0.529 | 0.066 | 0.008 | 0.888 | 0.151 | 0.430 | | | | | |
| 86 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 1.089 | 0.088 | 0.002 | **1.089** | 0.185 | 0.525 | 0.041 | 0.004 | 0.533 | 0.091 | 0.260 | 0.037 | 0.003 | 0.476 | 0.081 | 0.233 |
| 87 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 1.082 | 0.075 | 0.015 | **1.082** | 0.184 | 0.522 | | | | | | | | | | |
| 88 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.071 | 0.078 | 0.011 | **1.071** | 0.182 | 0.517 | 0.046 | 0.005 | 0.622 | 0.106 | 0.303 | 0.081 | 0.005 | **1.036** | 0.176 | 0.500 |
| 89 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 1.060 | 0.075 | 0.013 | **1.060** | 0.180 | 0.511 | 0.044 | 0.013 | 0.684 | 0.117 | 0.333 | 0.038 | 0.007 | 0.535 | 0.091 | 0.261 |
| 90 | IA | Ottumwa | | 1 | D062541 | 1.042 | 0.070 | 0.017 | **1.042** | 0.177 | 0.503 | 0.031 | 0.008 | 0.469 | 0.080 | 0.230 | 0.054 | 0.017 | 0.848 | 0.145 | 0.411 |
| 91 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 1.039 | 0.052 | 0.007 | 0.700 | 0.119 | 0.341 | 0.048 | 0.005 | 0.629 | 0.107 | 0.307 | 0.080 | 0.007 | **1.039** | 0.177 | 0.502 |
| 92 | KY | Paradise | 1378 | 2 | D013782 | 1.030 | 0.080 | 0.006 | **1.030** | 0.175 | 0.497 | 0.037 | 0.005 | 0.496 | 0.085 | 0.242 | 0.053 | 0.003 | 0.672 | 0.115 | 0.327 |
| 93 | PA | Sunbury | | 3 | D031523 | 1.019 | 0.082 | 0.003 | **1.019** | 0.173 | 0.492 | 0.051 | 0.005 | 0.680 | 0.116 | 0.331 | 0.049 | 0.004 | 0.640 | 0.109 | 0.312 |
| 94 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 1.015 | 0.039 | 0.007 | 0.548 | 0.094 | 0.268 | 0.065 | 0.009 | 0.883 | 0.150 | 0.428 | 0.071 | 0.013 | **1.015** | 0.173 | 0.490 |
| 95 | KY | Paradise | 1378 | 3 | D013783 | 1.010 | 0.048 | 0.036 | **1.010** | 0.172 | 0.488 | 0.024 | 0.031 | 0.672 | 0.115 | 0.327 | 0.032 | 0.019 | 0.615 | 0.105 | 0.300 |
| 96 | NH | Schiller | 2367 | 6 | | 1.006 | 0.050 | 0.029 | 0.954 | 0.163 | 0.462 | 0.057 | 0.027 | **1.006** | 0.171 | 0.486 | 0.055 | 0.025 | 0.961 | 0.164 | 0.465 |
| 97 | VA | Chesapeake Energy Center | | 2 | D038032 | 0.993 | 0.072 | 0.011 | 0.993 | 0.169 | 0.480 | 0.031 | 0.007 | 0.455 | 0.078 | 0.223 | 0.040 | 0.005 | 0.545 | 0.093 | 0.266 |
| 98 | NH | Schiller | 2367 | 4 | | 0.992 | 0.050 | 0.028 | 0.941 | 0.160 | 0.455 | 0.056 | 0.026 | 0.992 | 0.169 | 0.480 | 0.054 | 0.024 | 0.948 | 0.162 | 0.459 |
| 99 | IN | Michigan City Generating Station | | 12 | D0099712 | 0.991 | 0.025 | 0.004 | 0.349 | 0.060 | 0.171 | 0.078 | 0.005 | 0.991 | 0.169 | 0.479 | 0.062 | 0.010 | 0.864 | 0.147 | 0.419 |
| 100 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.989 | 0.037 | 0.010 | 0.565 | 0.097 | 0.276 | 0.035 | 0.015 | 0.606 | 0.104 | 0.296 | 0.059 | 0.023 | 0.989 | 0.169 | 0.478 |
| 101 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 0.968 | 0.068 | 0.009 | 0.921 | 0.157 | 0.446 | 0.067 | 0.014 | 0.968 | 0.165 | 0.468 | 0.037 | 0.007 | 0.528 | 0.090 | 0.258 |
| 102 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 0.955 | 0.040 | 0.003 | 0.522 | 0.089 | 0.255 | 0.054 | 0.009 | 0.749 | 0.128 | 0.364 | 0.070 | 0.010 | 0.955 | 0.163 | 0.462 |
| 103 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 0.939 | 0.042 | 0.003 | 0.534 | 0.091 | 0.261 | 0.061 | 0.007 | 0.812 | 0.138 | 0.394 | 0.068 | 0.010 | 0.939 | 0.160 | 0.455 |
| 104 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.909 | 0.024 | 0.009 | 0.399 | 0.068 | 0.196 | 0.067 | 0.008 | 0.909 | 0.155 | 0.440 | 0.053 | 0.020 | 0.875 | 0.149 | 0.424 |
| 105 | KY | Paradise | 1378 | 1 | D01720C09 | 0.906 | 0.070 | 0.006 | 0.906 | 0.154 | 0.439 | 0.032 | 0.004 | 0.438 | 0.075 | 0.215 | 0.046 | 0.003 | 0.590 | 0.101 | 0.288 |
| 106 | SC | H B Robinson | | 1 | D032511 | 0.897 | 0.069 | 0.006 | 0.897 | 0.153 | 0.434 | 0.017 | 0.005 | 0.267 | 0.046 | 0.131 | 0.013 | 0.005 | 0.207 | 0.036 | 0.102 |
| 107 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.886 | 0.053 | 0.020 | 0.886 | 0.151 | 0.429 | 0.033 | 0.018 | 0.616 | 0.105 | 0.300 | 0.041 | 0.022 | 0.757 | 0.129 | 0.368 |
| 108 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 0.886 | 0.063 | 0.011 | 0.886 | 0.151 | 0.429 | | | | | | | | | | |
| 109 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.864 | 0.055 | 0.016 | 0.864 | 0.147 | 0.419 | 0.034 | 0.015 | 0.585 | 0.100 | 0.286 | 0.041 | 0.016 | 0.689 | 0.118 | 0.336 |
| 110 | MA | Salem Harbor Station | 1626 | 1 | | 0.856 | 0.062 | 0.010 | 0.856 | 0.146 | 0.415 | 0.046 | 0.016 | 0.742 | 0.127 | 0.361 | 0.038 | 0.018 | 0.674 | 0.115 | 0.328 |
| 111 | AR | White Bluff | | 1 | D060091 | 0.851 | 0.049 | 0.021 | 0.851 | 0.145 | 0.413 | | | | | | | | | | |
| 112 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 0.846 | 0.065 | 0.006 | 0.846 | 0.144 | 0.410 | 0.029 | 0.005 | 0.412 | 0.071 | 0.202 | 0.045 | 0.008 | 0.628 | 0.107 | 0.306 |
| 113 | AR | White Bluff | | 2 | D060092 | 0.843 | 0.048 | 0.022 | 0.843 | 0.144 | 0.409 | | | | | | | | | | |
| 114 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 0.837 | 0.060 | 0.006 | 0.794 | 0.135 | 0.386 | 0.053 | 0.017 | 0.837 | 0.143 | 0.406 | 0.054 | 0.007 | 0.730 | 0.125 | 0.355 |
| 115 | MD | Brandon Shores | 602 | 2 | D006022 | 0.836 | 0.012 | 0.022 | 0.414 | 0.071 | 0.203 | 0.023 | 0.030 | 0.639 | 0.109 | 0.312 | 0.022 | 0.046 | 0.836 | 0.143 | 0.406 |
| 116 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 0.830 | 0.064 | 0.005 | 0.830 | 0.141 | 0.403 | | | | | | | | | | |
| 117 | PA | Sunbury | | 1A, 1B | D03152CS1 | 0.830 | 0.067 | 0.002 | 0.830 | 0.141 | 0.403 | 0.041 | 0.004 | 0.551 | 0.094 | 0.269 | 0.034 | 0.003 | 0.448 | 0.077 | 0.219 |
| 118 | MD | Brandon Shores | 602 | 1 | D006021 | 0.807 | 0.013 | 0.020 | 0.401 | 0.069 | 0.197 | 0.023 | 0.028 | 0.623 | 0.107 | 0.304 | 0.023 | 0.043 | 0.807 | 0.138 | 0.392 |
| 119 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 0.798 | 0.062 | 0.005 | 0.798 | 0.136 | 0.387 | | | | | | | | | | |
| 120 | WI | Columbia | | 2 | D080232 | 0.789 | 0.054 | 0.011 | 0.789 | 0.135 | 0.383 | 0.048 | 0.011 | 0.706 | 0.121 | 0.344 | 0.035 | 0.010 | 0.538 | 0.092 | 0.263 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.789 | 0.052 | 0.013 | 0.789 | 0.135 | 0.383 | 0.031 | 0.013 | 0.522 | 0.089 | 0.255 | 0.026 | 0.007 | 0.397 | 0.068 | 0.195 |
| 122 | KY | Ghent | 1356 | 3,4 … (2,3) | D01356C02 | 0.787 | 0.040 | 0.010 | 0.601 | 0.103 | 0.293 | 0.044 | 0.021 | 0.787 | 0.134 | 0.382 | 0.025 | 0.007 | 0.387 | 0.066 | 0.190 |
| 123 | IA | George Neal South | | 4 | D073434 | 0.781 | 0.025 | 0.008 | 0.397 | 0.068 | 0.195 | 0.028 | 0.009 | 0.446 | 0.076 | 0.218 | 0.048 | 0.017 | 0.781 | 0.133 | 0.380 |
| 124 | VA | Chesapeake Energy Center | | 1 | D038031 | 0.762 | 0.052 | 0.012 | 0.762 | 0.130 | 0.370 | 0.022 | 0.008 | 0.360 | 0.062 | 0.177 | 0.029 | 0.006 | 0.414 | 0.071 | 0.203 |
| 125 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 0.761 | 0.050 | 0.013 | 0.761 | 0.130 | 0.370 | 0.035 | 0.018 | 0.641 | 0.110 | 0.313 | 0.044 | 0.017 | 0.738 | 0.126 | 0.359 |
| 126 | IN | Gibson | 6113 | 5 | D061135 | 0.755 | 0.044 | 0.018 | 0.755 | 0.129 | 0.367 | | | | | | | | | | |
| 127 | MO | New Madrid Power Plant | | 1 | D021671 | 0.739 | 0.020 | 0.040 | 0.739 | 0.127 | 0.360 | | | | | | | | | | |
| 128 | TX | Big Brown | 3497 | 2 | | 0.738 | 0.053 | 0.004 | 0.674 | 0.115 | 0.328 | 0.058 | 0.004 | 0.738 | 0.126 | 0.359 | 0.019 | 0.000 | 0.235 | 0.040 | 0.116 |
| 129 | IN | Gibson | 6113 | 4 | D061135 | 0.738 | 0.015 | 0.046 | 0.738 | 0.126 | 0.359 | | | | | | | | | | |
| 130 | WI | Columbia | | 1 | D080231 | 0.733 | 0.051 | 0.010 | 0.733 | 0.125 | 0.356 | 0.044 | 0.009 | 0.638 | 0.109 | 0.311 | 0.033 | 0.009 | 0.502 | 0.086 | 0.246 |
| 131 | GA | Yates | | Y6BR | D00728Y6R | 0.731 | 0.047 | 0.004 | 0.607 | 0.104 | 0.296 | 0.056 | 0.005 | 0.731 | 0.125 | 0.356 | 0.033 | 0.002 | 0.419 | 0.072 | 0.205 |
| 132 | KY | Mill Creek | 1364 | 4 | D013644 | 0.725 | 0.049 | 0.004 | 0.627 | 0.107 | 0.306 | 0.053 | 0.008 | 0.725 | 0.124 | 0.353 | 0.028 | 0.007 | 0.421 | 0.072 | 0.206 |
| 133 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 0.723 | 0.038 | 0.022 | 0.723 | 0.124 | 0.352 | | | | | | | | | | |
| 134 | NC | Cape Fear | 2708 | 6 | | 0.723 | 0.054 | 0.006 | 0.723 | 0.123 | 0.352 | 0.015 | 0.004 | 0.225 | 0.039 | 0.111 | 0.017 | 0.004 | 0.245 | 0.042 | 0.121 |
| 135 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 0.715 | 0.056 | 0.003 | 0.715 | 0.122 | 0.348 | 0.043 | 0.006 | 0.593 | 0.101 | 0.289 | 0.024 | 0.003 | 0.318 | 0.054 | 0.156 |
| 136 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 0.708 | 0.056 | 0.003 | 0.708 | 0.121 | 0.344 | 0.041 | 0.002 | 0.525 | 0.090 | 0.256 | 0.034 | 0.002 | 0.435 | 0.074 | 0.213 |
| 137 | TX | Big Brown | 3497 | 1 | | 0.705 | 0.050 | 0.004 | 0.643 | 0.110 | 0.314 | 0.055 | 0.004 | 0.705 | 0.120 | 0.343 | 0.018 | 0.000 | 0.224 | 0.038 | 0.110 |
| 138 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.700 | 0.034 | 0.024 | 0.700 | 0.120 | 0.341 | 0.029 | 0.026 | 0.667 | 0.114 | 0.325 | 0.022 | 0.007 | 0.354 | 0.061 | 0.174 |
| 139 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 0.698 | 0.054 | 0.004 | 0.698 | 0.119 | 0.340 | | | | | | | | | | |
| 140 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.697 | 0.032 | 0.025 | 0.697 | 0.119 | 0.339 | 0.034 | 0.020 | 0.642 | 0.110 | 0.313 | 0.024 | 0.024 | 0.588 | 0.101 | 0.287 |
| 141 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 0.691 | 0.015 | 0.042 | 0.691 | 0.118 | 0.337 | | | | | | | | | | |
| 142 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 0.685 | 0.052 | 0.005 | 0.685 | 0.117 | 0.333 | | | | | | | | | | |
| 143 | OH | Eastlake | 2837 | 1 | D028371 | 0.681 | 0.053 | 0.004 | 0.681 | 0.116 | 0.332 | | | | | | | | | | |
| 144 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.677 | 0.048 | 0.006 | 0.643 | 0.110 | 0.313 | 0.046 | 0.011 | 0.677 | 0.116 | 0.330 | 0.025 | 0.006 | 0.375 | 0.064 | 0.184 |
| 145 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 0.675 | 0.052 | 0.004 | 0.675 | 0.115 | 0.329 | 0.035 | 0.007 | 0.503 | 0.086 | 0.246 | 0.022 | 0.004 | 0.305 | 0.052 | 0.150 |
| 146 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.666 | 0.054 | 0.002 | 0.666 | 0.114 | 0.324 | 0.053 | 0.002 | 0.658 | 0.112 | 0.321 | 0.027 | 0.001 | 0.339 | 0.058 | 0.167 |
| 147 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 0.660 | 0.051 | 0.004 | 0.660 | 0.113 | 0.321 | 0.034 | 0.007 | 0.493 | 0.084 | 0.241 | 0.021 | 0.004 | 0.298 | 0.051 | 0.147 |
| 148 | OH | Eastlake | 2837 | 2 | D028372 | 0.654 | 0.051 | 0.004 | 0.654 | 0.112 | 0.319 | | | | | | | | | | |
| 149 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 0.646 | 0.045 | 0.009 | 0.644 | 0.110 | 0.314 | 0.032 | 0.022 | 0.646 | 0.110 | 0.315 | 0.026 | 0.026 | 0.628 | 0.108 | 0.306 |
| 150 | OH | Killen Station | 6031 | 2 | D060312 | 0.641 | 0.038 | 0.007 | 0.545 | 0.093 | 0.266 | 0.030 | 0.023 | 0.641 | 0.110 | 0.312 | 0.038 | 0.013 | 0.614 | 0.105 | 0.300 |
| 151 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.640 | 0.051 | 0.003 | 0.640 | 0.109 | 0.312 | 0.038 | 0.002 | 0.476 | 0.081 | 0.233 | 0.031 | 0.002 | 0.394 | 0.067 | 0.193 |
| 152 | IN | Merom | | 2SG1 | D062132G1 | 0.634 | 0.048 | 0.005 | 0.634 | 0.108 | 0.309 | | | | | | | | | | |
| 153 | IA | Louisa | | 101 | D06664101 | 0.633 | 0.035 | 0.017 | 0.633 | 0.108 | 0.308 | | | | | | | | | | |
| 154 | KS | Nearman Creek | 6064 | N1 | | 0.631 | 0.032 | 0.021 | 0.631 | 0.108 | 0.308 | | | | | | | | | | |
| 155 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.623 | 0.045 | 0.006 | 0.613 | 0.105 | 0.299 | 0.047 | 0.005 | 0.622 | 0.106 | 0.303 | 0.048 | 0.004 | 0.623 | 0.106 | 0.304 |
| 156 | OH | Conesville | 2840 | 5,6 | D02840C06 | 0.619 | 0.025 | 0.016 | 0.495 | 0.085 | 0.242 | 0.016 | 0.035 | 0.619 | 0.106 | 0.302 | 0.011 | 0.021 | 0.394 | 0.068 | 0.193 |
| 157 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.609 | 0.040 | 0.010 | 0.609 | 0.104 | 0.297 | | | | | | | | | | |
| 158 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 0.607 | 0.047 | 0.004 | 0.607 | 0.104 | 0.296 | | | | | | | | | | |
| 159 | WV | Albright Power Station | 3942 | 3 | D039423 | 0.607 | 0.048 | 0.002 | 0.607 | 0.104 | 0.296 | 0.025 | 0.005 | 0.350 | 0.060 | 0.172 | 0.022 | 0.004 | 0.312 | 0.053 | 0.153 |
| 160 | MO | New Madrid Power Plant | | 2 | D021672 | 0.599 | 0.020 | 0.030 | 0.599 | 0.103 | 0.292 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.599 | 0.042 | 0.008 | 0.599 | 0.102 | 0.292 | | | | | | | | | | |
| 162 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.592 | 0.015 | 0.012 | 0.330 | 0.057 | 0.162 | 0.025 | 0.024 | 0.592 | 0.101 | 0.289 | 0.019 | 0.018 | 0.451 | 0.077 | 0.221 |
| 163 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 0.589 | 0.034 | 0.015 | 0.589 | 0.101 | 0.288 | | | | | | | | | | |
| 164 | TX | Martin Lake | 6146 | 1 | | 0.582 | 0.038 | 0.007 | 0.535 | 0.091 | 0.262 | 0.041 | 0.007 | 0.582 | 0.099 | 0.284 | 0.014 | 0.001 | 0.174 | 0.030 | 0.086 |
| 165 | OH | Eastlake | 2837 | 3 | D028373 | 0.566 | 0.044 | 0.003 | 0.566 | 0.097 | 0.276 | | | | | | | | | | |
| 166 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 0.562 | 0.035 | 0.012 | 0.562 | 0.096 | 0.274 | | | | | | | | | | |
| 167 | NJ | B L England | 2378 | 2,3 | x12 | 0.561 | 0.024 | 0.014 | 0.461 | 0.079 | 0.226 | 0.025 | 0.017 | 0.509 | 0.087 | 0.249 | 0.032 | 0.014 | 0.561 | 0.096 | 0.274 |
| 168 | KS | La Cygne | | 2 | D012412 | 0.556 | 0.030 | 0.017 | 0.556 | 0.095 | 0.272 | 0.035 | 0.010 | 0.539 | 0.092 | 0.263 | 0.021 | 0.007 | 0.333 | 0.057 | 0.164 |
| 169 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 0.553 | 0.040 | 0.006 | 0.553 | 0.094 | 0.270 | 0.028 | 0.015 | 0.524 | 0.090 | 0.256 | 0.023 | 0.018 | 0.496 | 0.085 | 0.243 |
| 170 | GA | Yates | | Y7BR | D00728Y7R | 0.544 | 0.035 | 0.003 | 0.451 | 0.077 | 0.221 | 0.042 | 0.004 | 0.544 | 0.093 | 0.266 | 0.025 | 0.001 | 0.311 | 0.053 | 0.153 |
| 171 | CT | Middletown | 562 | 4 | | 0.542 | 0.031 | 0.014 | 0.542 | 0.093 | 0.265 | | | | | | | | | | |
| 172 | TX | Martin Lake | 6146 | 2 | | 0.536 | 0.035 | 0.006 | 0.490 | 0.084 | 0.240 | 0.039 | 0.006 | 0.536 | 0.092 | 0.262 | 0.013 | 0.001 | 0.162 | 0.028 | 0.080 |
| 173 | MO | Labadie | | 3 | D021033 | 0.534 | 0.039 | 0.006 | 0.534 | 0.091 | 0.261 | | | | | | | | | | |
| 174 | MO | Labadie | | 4 | D021034 | 0.528 | 0.039 | 0.005 | 0.528 | 0.090 | 0.258 | 0.030 | 0.005 | 0.420 | 0.072 | 0.206 | 0.024 | 0.003 | 0.325 | 0.056 | 0.160 |
| 175 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.526 | 0.035 | 0.004 | 0.465 | 0.079 | 0.228 | 0.032 | 0.012 | 0.526 | 0.090 | 0.257 | 0.031 | 0.008 | 0.465 | 0.080 | 0.228 |
| 176 | PA | Homer City | | 3 | D031223 | 0.524 | 0.035 | 0.008 | 0.520 | 0.089 | 0.254 | 0.020 | 0.023 | 0.524 | 0.090 | 0.256 | 0.020 | 0.018 | 0.464 | 0.079 | 0.227 |
| 177 | MI | River Rouge | | 3 | D017403 | 0.519 | 0.031 | 0.013 | 0.519 | 0.089 | 0.254 | | | | | | | | | | |
| 178 | VA | Bremo Power Station | | 4 | D037964 | 0.514 | 0.028 | 0.004 | 0.393 | 0.067 | 0.193 | 0.029 | 0.005 | 0.416 | 0.071 | 0.204 | 0.038 | 0.005 | 0.514 | 0.088 | 0.251 |
| 179 | AR | Independence | | 1 | D066411 | 0.513 | 0.028 | 0.014 | 0.513 | 0.088 | 0.251 | | | | | | | | | | |
| 180 | NC | Riverbend | 2732 | 9 | | 0.513 | 0.042 | 0.001 | 0.513 | 0.088 | 0.251 | | | | | | | | | | |
| 181 | IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 0.509 | 0.035 | 0.007 | 0.509 | 0.087 | 0.249 | | | | | | | | | | |
| 182 | GA | Scherer | | 4 | D062574 | 0.509 | 0.029 | 0.003 | 0.386 | 0.066 | 0.189 | 0.036 | 0.007 | 0.509 | 0.087 | 0.249 | 0.029 | 0.005 | 0.408 | 0.070 | 0.200 |
| 183 | OH | J M Stuart | 2850 | 4 | D028404 | 0.507 | 0.034 | 0.003 | 0.448 | 0.077 | 0.220 | 0.028 | 0.014 | 0.507 | 0.087 | 0.248 | 0.034 | 0.008 | 0.503 | 0.086 | 0.246 |
| 184 | MO | Labadie | | 1 | D021031 | 0.507 | 0.037 | 0.005 | 0.507 | 0.087 | 0.248 | | | | | | | | | | |
| 185 | GA | Scherer | | 1 | D062571 | 0.506 | 0.028 | 0.004 | 0.379 | 0.065 | 0.186 | 0.035 | 0.007 | 0.506 | 0.086 | 0.247 | 0.028 | 0.005 | 0.402 | 0.069 | 0.197 |
| 186 | GA | Scherer | | 2 | D062572 | 0.499 | 0.028 | 0.004 | 0.375 | 0.064 | 0.184 | 0.035 | 0.007 | 0.499 | 0.085 | 0.244 | 0.028 | 0.005 | 0.397 | 0.068 | 0.194 |
| 187 | TX | Martin Lake | 6146 | 3 | | 0.498 | 0.032 | 0.006 | 0.458 | 0.078 | 0.224 | 0.035 | 0.006 | 0.498 | 0.085 | 0.244 | 0.012 | 0.001 | 0.149 | 0.025 | 0.073 |
| 188 | AR | Independence | | 2 | D066412 | 0.497 | 0.028 | 0.013 | 0.497 | 0.085 | 0.243 | | | | | | | | | | |
| 189 | KY | Green River | | 5 | D013575 | 0.496 | 0.040 | 0.001 | 0.496 | 0.085 | 0.243 | | | | | | | | | | |
| 190 | NE | Nebraska City Station | | 1 | D060961 | 0.495 | 0.034 | 0.008 | 0.495 | 0.085 | 0.242 | | | | | | | | | | |
| 191 | KY | D B Wilson | | W1 | D06823W1 | 0.493 | 0.039 | 0.002 | 0.493 | 0.084 | 0.241 | | | | | | | | | | |
| 192 | WI | Edgewater (4050) | 4050 | 5 | | 0.485 | 0.033 | 0.007 | 0.485 | 0.083 | 0.237 | | | | | | | | | | |
| 193 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 0.472 | 0.034 | 0.006 | 0.472 | 0.081 | 0.231 | | | | | | | | | | |
| 194 | PA | Shawville | 3131 | 1 | D031311 | 0.467 | 0.036 | 0.003 | 0.467 | 0.080 | 0.229 | | | | | | | | | | |
| 195 | PA | Shawville | 3131 | 2 | D031312 | 0.461 | 0.036 | 0.003 | 0.461 | 0.079 | 0.225 | | | | | | | | | | |
| 196 | MN | Sherburne County | | 3 | D060903 | 0.454 | 0.025 | 0.013 | 0.454 | 0.078 | 0.222 | | | | | | | | | | |
| 197 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.451 | 0.036 | 0.001 | 0.451 | 0.077 | 0.221 | | | | | | | | | | |
| 198 | OH | Cardinal | 2828 | 1 | D028281 | 0.451 | 0.035 | 0.002 | 0.451 | 0.077 | 0.221 | | | | | | | | | | |
| 199 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.447 | 0.019 | 0.012 | 0.376 | 0.064 | 0.184 | 0.021 | 0.016 | 0.447 | 0.077 | 0.219 | | | | | |
| 200 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 0.446 | 0.032 | 0.005 | 0.446 | 0.076 | 0.219 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.437 | 0.027 | 0.010 | 0.437 | 0.075 | 0.214 | | | | | | | | | | |
| 202 | TX | Monticello | 6147 | 1 | | 0.433 | 0.029 | 0.004 | 0.395 | 0.068 | 0.194 | 0.032 | 0.004 | 0.433 | 0.074 | 0.212 | 0.011 | 0.000 | 0.133 | 0.023 | 0.066 |
| 203 | IL | Newton | | 2 | D060172 | 0.428 | 0.030 | 0.006 | 0.428 | 0.073 | 0.210 | | | | | | | | | | |
| 204 | KY | Green River | | 4 | D013574 | 0.422 | 0.034 | 0.001 | 0.422 | 0.072 | 0.207 | | | | | | | | | | |
| 205 | MI | Monroe | 1733 | 3,4 | D01733C34 | 0.408 | 0.022 | 0.012 | 0.408 | 0.070 | 0.200 | | | | | | | | | | |
| 206 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.408 | 0.030 | 0.004 | 0.408 | 0.070 | 0.200 | 0.020 | 0.009 | 0.350 | 0.060 | 0.172 | 0.015 | 0.008 | 0.273 | 0.047 | 0.134 |
| 207 | SC | McMeekin | | MCM2 | D03287MM2 | 0.392 | 0.032 | 0.001 | 0.392 | 0.067 | 0.192 | | | | | | | | | | |
| 208 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.386 | 0.025 | 0.007 | 0.386 | 0.066 | 0.189 | 0.012 | 0.005 | 0.201 | 0.034 | 0.099 | 0.016 | 0.008 | 0.294 | 0.050 | 0.145 |
| 209 | TN | Cumberland | 3399 | 1 | | 0.384 | 0.027 | 0.005 | 0.384 | 0.066 | 0.188 | | | | | | | | | | |
| 210 | MO | Rush Island | | 2 | D061552 | 0.382 | 0.029 | 0.003 | 0.382 | 0.065 | 0.187 | | | | | | | | | | |
| 211 | SC | McMeekin | | MCM1 | D03287MM1 | 0.376 | 0.030 | 0.001 | 0.376 | 0.064 | 0.184 | | | | | | | | | | |
| 212 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.376 | 0.022 | 0.009 | 0.376 | 0.064 | 0.184 | 0.011 | 0.006 | 0.201 | 0.034 | 0.099 | 0.014 | 0.011 | 0.301 | 0.052 | 0.148 |
| 213 | MO | Rush Island | | 1 | D061551 | 0.375 | 0.028 | 0.003 | 0.375 | 0.064 | 0.184 | | | | | | | | | | |
| 214 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.372 | 0.009 | 0.021 | 0.372 | 0.064 | 0.182 | | | | | | | | | | |
| 215 | TX | Monticello | 6147 | 2 | | 0.369 | 0.028 | 0.003 | 0.369 | 0.063 | 0.181 | | | | | | | | | | |
| 216 | TX | Monticello | 6147 | 3 | | 0.364 | 0.025 | 0.006 | 0.364 | 0.062 | 0.178 | | | | | | | | | | |
| 217 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.363 | 0.024 | 0.006 | 0.363 | 0.062 | 0.178 | | | | | | | | | | |
| 218 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 0.363 | 0.007 | 0.023 | 0.363 | 0.062 | 0.178 | | | | | | | | | | |
| 219 | ME | William F Wyman | 1507 | 3 | | 0.362 | 0.022 | 0.008 | 0.362 | 0.062 | 0.178 | | | | | | | | | | |
| 220 | OK | Sooner | 6095 | 1 | | 0.359 | 0.018 | 0.012 | 0.359 | 0.061 | 0.176 | | | | | | | | | | |
| 221 | OK | Sooner | | 2 | D060952 | 0.356 | 0.017 | 0.012 | 0.356 | 0.061 | 0.175 | | | | | | | | | | |
| 222 | OK | Grand River Dam Authority | | 1 | D001651 | 0.351 | 0.017 | 0.011 | 0.333 | 0.057 | 0.163 | 0.021 | 0.008 | 0.351 | 0.060 | 0.172 | 0.012 | 0.003 | 0.184 | 0.032 | 0.091 |
| 223 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 0.345 | 0.016 | 0.012 | 0.345 | 0.059 | 0.169 | | | | | | | | | | |
| 224 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 0.344 | 0.024 | 0.004 | 0.344 | 0.059 | 0.169 | | | | | | | | | | |
| 225 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 0.338 | 0.020 | 0.008 | 0.338 | 0.058 | 0.166 | | | | | | | | | | |
| 226 | OH | Cardinal | 2828 | 2 | D028282 | 0.336 | 0.025 | 0.003 | 0.336 | 0.058 | 0.165 | | | | | | | | | | |
| 227 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 0.335 | 0.021 | 0.007 | 0.335 | 0.057 | 0.165 | | | | | | | | | | |
| 228 | NC | Roxboro | 2712 | 2 | D027122 | 0.334 | 0.023 | 0.005 | 0.334 | 0.057 | 0.164 | | | | | | | | | | |
| 229 | CT | New Haven Harbor | 6156 | NHB1 | | 0.323 | 0.018 | 0.009 | 0.323 | 0.055 | 0.159 | | | | | | | | | | |
| 230 | NC | Marshall | 2727 | 1,2 | x11 | 0.319 | 0.018 | 0.009 | 0.319 | 0.055 | 0.156 | | | | | | | | | | |
| 231 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.315 | 0.021 | 0.005 | 0.315 | 0.054 | 0.155 | | | | | | | | | | |
| 232 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.309 | 0.022 | 0.004 | 0.309 | 0.053 | 0.152 | | | | | | | | | | |
| 233 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 0.308 | 0.015 | 0.011 | 0.308 | 0.053 | 0.151 | | | | | | | | | | |
| 234 | OH | Miami Fort Power Station | | 8 | D028328 | 0.307 | 0.018 | 0.008 | 0.307 | 0.053 | 0.151 | | | | | | | | | | |
| 235 | WI | Genoa | 4143 | 1 | | 0.302 | 0.020 | 0.005 | 0.302 | 0.052 | 0.148 | | | | | | | | | | |
| 236 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 0.301 | 0.009 | 0.016 | 0.301 | 0.052 | 0.148 | | | | | | | | | | |
| 237 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.298 | 0.013 | 0.007 | 0.242 | 0.041 | 0.119 | 0.016 | 0.009 | 0.298 | 0.051 | 0.146 | 0.015 | 0.010 | 0.298 | 0.051 | 0.147 |
| 238 | WI | Nelson Dewey | 4054 | 2 | | 0.297 | 0.022 | 0.003 | 0.297 | 0.051 | 0.146 | | | | | | | | | | |
| 239 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.297 | 0.016 | 0.009 | 0.297 | 0.051 | 0.146 | | | | | | | | | | |
| 240 | DE | Edge Moor | 593 | 5 | D005935 | 0.295 | 0.023 | 0.002 | 0.295 | 0.051 | 0.145 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.292 | 0.019 | 0.005 | 0.292 | 0.050 | 0.143 | | | | | | | | | | |
| 242 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.292 | 0.020 | 0.004 | 0.292 | 0.050 | 0.143 | | | | | | | | | | |
| 243 | TX | Limestone | 298 | LIM2 | | 0.289 | 0.017 | 0.007 | 0.289 | 0.050 | 0.142 | | | | | | | | | | |
| 244 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.289 | 0.021 | 0.004 | 0.289 | 0.049 | 0.142 | | | | | | | | | | |
| 245 | WV | Longview Power | 56671 | 1 | | 0.288 | 0.021 | 0.003 | 0.288 | 0.049 | 0.142 | | | | | | | | | | |
| 246 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.286 | 0.016 | 0.007 | 0.286 | 0.049 | 0.140 | | | | | | | | | | |
| 247 | NC | Marshall | 2727 | 4 | D027274 | 0.283 | 0.014 | 0.009 | 0.283 | 0.049 | 0.139 | | | | | | | | | | |
| 248 | OK | Muskogee | 2952 | 4 | | 0.282 | 0.014 | 0.009 | 0.282 | 0.048 | 0.139 | | | | | | | | | | |
| 249 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.276 | 0.019 | 0.004 | 0.276 | 0.047 | 0.135 | | | | | | | | | | |
| 250 | IL | Wood River Power Station | | 5 | D008985 | 0.275 | 0.019 | 0.004 | 0.275 | 0.047 | 0.135 | | | | | | | | | | |
| 251 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 0.272 | 0.019 | 0.004 | 0.272 | 0.047 | 0.134 | | | | | | | | | | |
| 252 | TX | Limestone | 298 | LIM1 | | 0.269 | 0.016 | 0.007 | 0.269 | 0.046 | 0.132 | | | | | | | | | | |
| 253 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.266 | 0.010 | 0.012 | 0.266 | 0.046 | 0.131 | | | | | | | | | | |
| 254 | IN | Cayuga | 1001 | 2 | D010012 | 0.265 | 0.010 | 0.012 | 0.265 | 0.045 | 0.130 | | | | | | | | | | |
| 255 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 0.262 | 0.015 | 0.007 | 0.262 | 0.045 | 0.129 | | | | | | | | | | |
| 256 | KS | La Cygne | 1241 | 1 | | 0.262 | 0.016 | 0.006 | 0.262 | 0.045 | 0.129 | 0.014 | 0.003 | 0.214 | 0.037 | 0.105 | 0.010 | 0.002 | 0.145 | 0.025 | 0.071 |
| 257 | WV | John E Amos | 3935 | 3 | D039353 | 0.259 | 0.016 | 0.006 | 0.259 | 0.044 | 0.128 | | | | | | | | | | |
| 258 | OK | Muskogee | | 5 | D029525 | 0.257 | 0.014 | 0.008 | 0.257 | 0.044 | 0.126 | | | | | | | | | | |
| 259 | OK | Hugo | | 1 | D067721 | 0.255 | 0.018 | 0.003 | 0.255 | 0.044 | 0.125 | | | | | | | | | | |
| 260 | OH | Conesville | 2840 | 4 | D028504 | 0.253 | 0.018 | 0.003 | 0.253 | 0.043 | 0.124 | | | | | | | | | | |
| 261 | IL | Marion | | 4 | D009764 | 0.249 | 0.017 | 0.004 | 0.249 | 0.043 | 0.123 | | | | | | | | | | |
| 262 | IN | Cayuga | 1001 | 1 | D010011 | 0.239 | 0.009 | 0.011 | 0.239 | 0.041 | 0.118 | | | | | | | | | | |
| 263 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 0.239 | 0.016 | 0.004 | 0.239 | 0.041 | 0.117 | | | | | | | | | | |
| 264 | KY | Ghent | 1356 | 1,2 … (1,4) | D01356C01 | 0.236 | 0.013 | 0.006 | 0.236 | 0.041 | 0.116 | | | | | | | | | | |
| 265 | MD | Morgantown | 1573 | 2 | D015732 | 0.232 | 0.016 | 0.004 | 0.232 | 0.040 | 0.114 | | | | | | | | | | |
| 266 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 0.230 | 0.009 | 0.010 | 0.230 | 0.039 | 0.113 | | | | | | | | | | |
| 267 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.222 | 0.011 | 0.007 | 0.222 | 0.038 | 0.109 | | | | | | | | | | |
| 268 | NC | Roxboro | 2712 | 1 | D027121 | 0.218 | 0.014 | 0.004 | 0.218 | 0.037 | 0.107 | | | | | | | | | | |
| 269 | NC | Belews Creek | 8042 | 2 | D080422 | 0.217 | 0.012 | 0.006 | 0.217 | 0.037 | 0.107 | | | | | | | | | | |
| 270 | NC | Belews Creek | 8042 | 1 | D080421 | 0.214 | 0.012 | 0.006 | 0.214 | 0.037 | 0.105 | | | | | | | | | | |
| 271 | ME | William F Wyman | 1507 | 1 | | 0.213 | 0.011 | 0.006 | 0.213 | 0.036 | 0.105 | | | | | | | | | | |
| 272 | IA | George Neal North | | 3 | D010913 | 0.209 | 0.012 | 0.006 | 0.209 | 0.036 | 0.103 | | | | | | | | | | |
| 273 | ME | William F Wyman | 1507 | 2 | | 0.206 | 0.011 | 0.006 | 0.206 | 0.035 | 0.102 | | | | | | | | | | |
| 274 | NC | Marshall | 2727 | 3 | D027273 | 0.204 | 0.015 | 0.002 | 0.204 | 0.035 | 0.101 | | | | | | | | | | |
| 275 | OH | W H Sammis | 2866 | 7 | D028667 | 0.203 | 0.010 | 0.006 | 0.203 | 0.035 | 0.100 | | | | | | | | | | |
| 276 | KY | East Bend | 6018 | 2 | D060182 | 0.200 | 0.010 | 0.006 | 0.200 | 0.034 | 0.098 | | | | | | | | | | |
| 277 | OH | W H Sammis | 2866 | 6 | D02866M6A | 0.194 | 0.011 | 0.005 | 0.194 | 0.033 | 0.096 | | | | | | | | | | |
| 278 | IL | Joliet 29 | | 81, 82 | D00384C82 | 0.193 | 0.013 | 0.003 | 0.193 | 0.033 | 0.095 | | | | | | | | | | |
| 279 | MO | Sikeston | | 1 | D067681 | 0.191 | 0.012 | 0.004 | 0.191 | 0.033 | 0.094 | | | | | | | | | | |
| 280 | NY | Northport | 2516 | 3 | D025163 | 0.189 | 0.011 | 0.005 | 0.189 | 0.032 | 0.093 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | OH | J M Stuart | 2850 | 3 | D028503 | 0.187 | 0.013 | 0.003 | 0.187 | 0.032 | 0.092 | | | | | | | | | | |
| 282 | MO | Meramec | | 3 | D021043 | 0.187 | 0.012 | 0.004 | 0.187 | 0.032 | 0.092 | | | | | | | | | | |
| 283 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.183 | 0.014 | 0.001 | 0.183 | 0.031 | 0.090 | | | | | | | | | | |
| 284 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.178 | 0.009 | 0.006 | 0.178 | 0.031 | 0.088 | | | | | | | | | | |
| 285 | TX | Welsh Power Plant | 6139 | 3 | | 0.176 | 0.010 | 0.004 | 0.176 | 0.030 | 0.087 | | | | | | | | | | |
| 286 | KS | Quindaro | 1295 | 2 | | 0.173 | 0.009 | 0.005 | 0.173 | 0.030 | 0.085 | | | | | | | | | | |
| 287 | OH | J M Stuart | 2850 | 1 | D028501 | 0.173 | 0.012 | 0.002 | 0.173 | 0.030 | 0.085 | | | | | | | | | | |
| 288 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.171 | 0.013 | 0.002 | 0.171 | 0.029 | 0.084 | | | | | | | | | | |
| 289 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 0.170 | 0.007 | 0.007 | 0.170 | 0.029 | 0.084 | | | | | | | | | | |
| 290 | GA | Bowen | 703 | 1BLR | D007031LR | 0.168 | 0.006 | 0.007 | 0.168 | 0.029 | 0.083 | | | | | | | | | | |
| 291 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 0.165 | 0.007 | 0.007 | 0.165 | 0.028 | 0.081 | | | | | | | | | | |
| 292 | TX | Welsh Power Plant | 6139 | 1 | | 0.159 | 0.009 | 0.004 | 0.159 | 0.027 | 0.078 | | | | | | | | | | |
| 293 | TX | Welsh Power Plant | 6139 | 2 | | 0.156 | 0.010 | 0.003 | 0.156 | 0.027 | 0.077 | | | | | | | | | | |
| 294 | GA | Bowen | 703 | 4BLR | D007034LR | 0.148 | 0.004 | 0.009 | 0.148 | 0.025 | 0.073 | | | | | | | | | | |
| 295 | AL | Greene County | 10 | 1 | | 0.140 | 0.011 | 0.001 | 0.140 | 0.024 | 0.069 | | | | | | | | | | |
| 296 | GA | Yates | | Y5BR | D00728Y5R | 0.135 | 0.010 | 0.001 | 0.135 | 0.023 | 0.067 | | | | | | | | | | |
| 297 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.131 | 0.007 | 0.004 | 0.131 | 0.023 | 0.065 | | | | | | | | | | |
| 298 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.129 | 0.004 | 0.007 | 0.129 | 0.022 | 0.064 | | | | | | | | | | |
| 299 | NC | Cliffside | 2721 | 5 | D027215 | 0.127 | 0.009 | 0.001 | 0.127 | 0.022 | 0.063 | | | | | | | | | | |
| 300 | OH | J M Stuart | 2850 | 2 | D028502 | 0.120 | 0.007 | 0.003 | 0.120 | 0.021 | 0.059 | | | | | | | | | | |
| 301 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.117 | 0.006 | 0.004 | 0.117 | 0.020 | 0.058 | | | | | | | | | | |
| 302 | GA | Bowen | 703 | 2BLR | D007032LR | 0.115 | 0.003 | 0.006 | 0.115 | 0.020 | 0.057 | | | | | | | | | | |
| 303 | OH | W H Sammis | 2866 | 5 | D028665 | 0.115 | 0.004 | 0.005 | 0.115 | 0.020 | 0.057 | | | | | | | | | | |
| 304 | AL | E C Gaston | 26 | 5 | | 0.101 | 0.004 | 0.004 | 0.101 | 0.017 | 0.050 | | | | | | | | | | |
| 305 | SC | Winyah | 6249 | 1 | D062491 | 0.092 | 0.004 | 0.003 | 0.092 | 0.016 | 0.045 | | | | | | | | | | |
| 306 | GA | Bowen | 703 | 3BLR | D007033LR | 0.085 | 0.004 | 0.003 | 0.085 | 0.015 | 0.042 | | | | | | | | | | |
| 307 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.082 | 0.004 | 0.003 | 0.082 | 0.014 | 0.040 | | | | | | | | | | |
| 308 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.015 | 0.001 | 0.000 | 0.015 | 0.003 | 0.008 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## F.6 2015 EGU Ranking Visibility Impairing Sources to Campobello/Roosevelt

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 5.945 | 0.464 | 0.028 | 5.945 | 0.981 | 2.590 | 0.238 | 0.044 | 3.479 | 0.570 | 1.554 | 0.429 | 0.033 | 5.598 | 0.917 | 2.446 |
| 2 | PA | Homer City | 3122 | 1 | D031221 | 5.122 | 0.383 | 0.022 | 5.122 | 0.812 | 2.172 | 0.258 | 0.060 | 3.727 | 0.644 | 1.745 | 0.240 | 0.037 | 3.351 | 0.559 | 1.535 |
| 3 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 4.508 | 0.334 | 0.039 | 4.508 | 0.749 | 2.015 | 0.188 | 0.022 | 2.536 | 0.427 | 1.180 | 0.285 | 0.025 | 3.742 | 0.622 | 1.700 |
| 4 | PA | Homer City | 3122 | 2 | D031222 | 4.482 | 0.338 | 0.020 | 4.482 | 0.719 | 1.939 | 0.228 | 0.054 | 3.318 | 0.571 | 1.559 | 0.212 | 0.033 | 2.962 | 0.496 | 1.368 |
| 5 | ME | William F Wyman | 1507 | 4 | D015074 | 4.240 | 0.254 | 0.111 | 4.240 | 0.736 | 1.980 | 0.218 | 0.059 | 3.284 | 0.560 | 1.529 | 0.183 | 0.033 | 2.600 | 0.437 | 1.211 |
| 6 | MA | Brayton Point | 1619 | 4 | x07 | 3.688 | 0.238 | 0.066 | 3.688 | 0.614 | 1.670 | 0.204 | 0.073 | 3.361 | 0.563 | 1.538 | 0.111 | 0.045 | 1.888 | 0.319 | 0.894 |
| 7 | OH | Muskingum River | 2872 | 5 | D028725 | 3.314 | 0.276 | 0.003 | 3.314 | 0.563 | 1.538 | 0.178 | 0.006 | 2.203 | 0.375 | 1.040 | 0.138 | 0.007 | 1.743 | 0.295 | 0.828 |
| 8 | MA | Canal Station | 1599 | 1 | D015991 | 2.938 | 0.202 | 0.038 | 2.938 | 0.488 | 1.341 | 0.160 | 0.038 | 2.411 | 0.406 | 1.122 | 0.122 | 0.033 | 1.869 | 0.316 | 0.885 |
| 9 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 2.700 | 0.212 | 0.010 | 2.700 | 0.451 | 1.242 | 0.139 | 0.020 | 1.914 | 0.325 | 0.905 | 0.088 | 0.012 | 1.207 | 0.205 | 0.580 |
| 10 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 2.694 | 0.178 | 0.046 | 2.694 | 0.456 | 1.256 | 0.108 | 0.045 | 1.807 | 0.314 | 0.876 | 0.104 | 0.024 | 1.543 | 0.262 | 0.736 |
| 11 | NH | Newington | 8002 | 1 | D080021 | 2.381 | 0.129 | 0.045 | 2.381 | 0.355 | 0.987 | 0.079 | 0.085 | 1.730 | 0.336 | 0.936 | 0.062 | 0.040 | 1.223 | 0.208 | 0.588 |
| 12 | MA | Canal Station | 1599 | 2 | D015992 | 2.359 | 0.140 | 0.053 | 2.359 | 0.395 | 1.094 | 0.120 | 0.064 | 2.208 | 0.376 | 1.043 | 0.082 | 0.040 | 1.473 | 0.250 | 0.704 |
| 13 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.302 | 0.168 | 0.022 | 2.302 | 0.387 | 1.072 | 0.105 | 0.015 | 1.452 | 0.246 | 0.689 | 0.173 | 0.011 | 2.209 | 0.372 | 1.038 |
| 14 | MI | Trenton Channel | 1745 | 9A | D017459A | 1.943 | 0.091 | 0.009 | 1.196 | 0.205 | 0.577 | 0.085 | 0.013 | 1.175 | 0.201 | 0.565 | 0.142 | 0.020 | 1.943 | 0.328 | 0.918 |
| 15 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 1.929 | 0.152 | 0.010 | 1.929 | 0.329 | 0.917 | 0.135 | 0.023 | 1.911 | 0.322 | 0.897 | 0.145 | 0.015 | 1.923 | 0.325 | 0.910 |
| 16 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 1.769 | 0.133 | 0.014 | 1.769 | 0.300 | 0.838 | 0.085 | 0.011 | 1.157 | 0.197 | 0.555 | 0.080 | 0.008 | 1.060 | 0.180 | 0.512 |
| 17 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 1.736 | 0.120 | 0.015 | 1.609 | 0.275 | 0.770 | 0.123 | 0.021 | 1.736 | 0.295 | 0.823 | 0.059 | 0.010 | 0.823 | 0.140 | 0.399 |
| 18 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 1.727 | 0.086 | 0.024 | 1.379 | 0.226 | 0.635 | 0.084 | 0.062 | 1.727 | 0.300 | 0.837 | 0.061 | 0.033 | 1.133 | 0.193 | 0.546 |
| 19 | PA | Keystone | 3136 | 1 | D031361 | 1.697 | 0.108 | 0.025 | 1.697 | 0.273 | 0.763 | 0.077 | 0.062 | 1.637 | 0.287 | 0.802 | 0.071 | 0.039 | 1.332 | 0.226 | 0.639 |
| 20 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 1.697 | 0.130 | 0.007 | 1.697 | 0.280 | 0.782 | 0.085 | 0.016 | 1.213 | 0.206 | 0.581 | 0.065 | 0.013 | 0.937 | 0.160 | 0.454 |
| 21 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 1.660 | 0.052 | 0.021 | 0.877 | 0.151 | 0.427 | 0.087 | 0.051 | 1.660 | 0.283 | 0.792 | 0.060 | 0.046 | 1.285 | 0.219 | 0.617 |
| 22 | PA | Keystone | 3136 | 2 | D031362 | 1.640 | 0.104 | 0.024 | 1.640 | 0.263 | 0.735 | 0.074 | 0.061 | 1.581 | 0.278 | 0.778 | 0.068 | 0.039 | 1.287 | 0.219 | 0.618 |
| 23 | PA | Brunner Island | 3140 | 3 | D031403 | 1.551 | 0.050 | 0.025 | 0.910 | 0.155 | 0.437 | 0.058 | 0.072 | 1.551 | 0.269 | 0.753 | 0.071 | 0.048 | 1.429 | 0.243 | 0.684 |
| 24 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 1.523 | 0.105 | 0.010 | 1.523 | 0.235 | 0.660 | 0.079 | 0.039 | 1.380 | 0.243 | 0.683 | 0.073 | 0.028 | 1.209 | 0.206 | 0.581 |
| 25 | MI | Belle River | | 2 | D060342 | 1.510 | 0.064 | 0.029 | 1.116 | 0.191 | 0.538 | 0.071 | 0.031 | 1.237 | 0.211 | 0.594 | 0.085 | 0.040 | 1.510 | 0.256 | 0.721 |
| 26 | WV | Harrison Power Station | | 1 (25%), 2 (20% | D03944C01 | 1.474 | 0.033 | 0.025 | 0.705 | 0.120 | 0.341 | 0.032 | 0.089 | 1.474 | 0.251 | 0.704 | 0.020 | 0.056 | 0.928 | 0.159 | 0.449 |
| 27 | IN | Tanners Creek | 988 | U4 | D00988U4 | 1.460 | 0.113 | 0.008 | 1.460 | 0.248 | 0.695 | 0.107 | 0.013 | 1.448 | 0.247 | 0.693 | 0.060 | 0.007 | 0.803 | 0.137 | 0.390 |
| 28 | PA | Montour | 3149 | 1 | D031491 | 1.412 | 0.084 | 0.028 | 1.412 | 0.231 | 0.649 | 0.042 | 0.051 | 1.130 | 0.194 | 0.547 | 0.046 | 0.050 | 1.155 | 0.197 | 0.556 |
| 29 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 1.404 | 0.098 | 0.009 | 1.404 | 0.219 | 0.617 | 0.074 | 0.035 | 1.275 | 0.224 | 0.630 | 0.068 | 0.025 | 1.116 | 0.190 | 0.538 |
| 30 | MI | Belle River | | 1 | D060341 | 1.395 | 0.056 | 0.029 | 1.031 | 0.176 | 0.497 | 0.063 | 0.031 | 1.142 | 0.195 | 0.548 | 0.075 | 0.040 | 1.395 | 0.237 | 0.668 |
| 31 | MI | St. Clair | 1743 | 6 | D017436 | 1.394 | 0.095 | 0.008 | 1.219 | 0.211 | 0.594 | 0.110 | 0.008 | 1.394 | 0.242 | 0.679 | 0.088 | 0.011 | 1.188 | 0.202 | 0.571 |
| 32 | MI | St. Clair | 1743 | 7 | D017437 | 1.365 | 0.083 | 0.014 | 1.182 | 0.198 | 0.559 | 0.096 | 0.016 | 1.365 | 0.229 | 0.642 | 0.078 | 0.019 | 1.173 | 0.199 | 0.565 |
| 33 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 1.331 | 0.115 | 0.003 | 1.331 | 0.240 | 0.674 | 0.033 | 0.003 | 0.430 | 0.073 | 0.209 | 0.039 | 0.003 | 0.498 | 0.085 | 0.243 |
| 34 | PA | Montour | 3149 | 2 | D031492 | 1.327 | 0.069 | 0.028 | 1.327 | 0.200 | 0.564 | 0.035 | 0.051 | 1.026 | 0.178 | 0.502 | 0.038 | 0.049 | 1.053 | 0.180 | 0.508 |
| 35 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 1.251 | 0.074 | 0.010 | 0.962 | 0.173 | 0.487 | 0.083 | 0.023 | 1.251 | 0.218 | 0.613 | 0.044 | 0.018 | 0.741 | 0.127 | 0.361 |
| 36 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.222 | 0.030 | 0.012 | 0.496 | 0.085 | 0.243 | 0.035 | 0.012 | 0.566 | 0.097 | 0.276 | 0.074 | 0.027 | 1.222 | 0.208 | 0.587 |
| 37 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 1.214 | 0.047 | 0.024 | 0.868 | 0.146 | 0.414 | 0.059 | 0.030 | 1.092 | 0.184 | 0.518 | 0.059 | 0.042 | 1.214 | 0.207 | 0.584 |
| 38 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.203 | 0.031 | 0.004 | 0.424 | 0.073 | 0.207 | 0.099 | 0.004 | 1.203 | 0.211 | 0.593 | 0.078 | 0.009 | 1.049 | 0.178 | 0.506 |
| 39 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 1.186 | 0.095 | 0.007 | 1.186 | 0.208 | 0.586 | 0.065 | 0.018 | 0.993 | 0.170 | 0.479 | 0.043 | 0.011 | 0.647 | 0.111 | 0.315 |
| 40 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 1.141 | 0.050 | 0.002 | 0.616 | 0.107 | 0.303 | 0.084 | 0.002 | 0.993 | 0.176 | 0.498 | 0.092 | 0.003 | 1.141 | 0.194 | 0.549 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 1.053 | 0.081 | 0.014 | 1.053 | 0.195 | 0.549 | 0.063 | 0.020 | 1.015 | 0.172 | 0.485 | 0.063 | 0.019 | 0.979 | 0.167 | 0.473 |
| 42 | OH | Killen Station | 6031 | 2 | D060312 | 1.053 | 0.053 | 0.017 | 0.895 | 0.143 | 0.406 | 0.041 | 0.056 | 1.053 | 0.200 | 0.564 | 0.052 | 0.032 | 1.009 | 0.172 | 0.487 |
| 43 | MA | Brayton Point | 1619 | 2 | D016192 | 0.989 | 0.035 | 0.039 | 0.989 | 0.153 | 0.432 | 0.021 | 0.034 | 0.636 | 0.115 | 0.325 | 0.028 | 0.041 | 0.838 | 0.143 | 0.406 |
| 44 | NH | Merrimack | 2364 | 2 | D023642 | 0.985 | 0.031 | 0.082 | 0.985 | 0.234 | 0.657 | 0.032 | 0.053 | 0.956 | 0.176 | 0.497 | 0.029 | 0.042 | 0.864 | 0.148 | 0.419 |
| 45 | MI | J H Campbell | | 3 (50%) | D01710M3A | 0.936 | 0.056 | 0.006 | 0.716 | 0.128 | 0.363 | 0.079 | 0.006 | 0.936 | 0.175 | 0.493 | 0.057 | 0.008 | 0.773 | 0.132 | 0.375 |
| 46 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 0.929 | 0.053 | 0.012 | 0.929 | 0.134 | 0.380 | 0.044 | 0.034 | 0.888 | 0.161 | 0.455 | 0.039 | 0.023 | 0.754 | 0.129 | 0.367 |
| 47 | MD | C P Crane | 1552 | 2 | D015522 | 0.900 | 0.026 | 0.013 | 0.508 | 0.081 | 0.232 | 0.041 | 0.025 | 0.827 | 0.137 | 0.387 | 0.043 | 0.031 | 0.900 | 0.154 | 0.436 |
| 48 | PA | Homer City | | 3 | D031223 | 0.889 | 0.047 | 0.017 | 0.882 | 0.131 | 0.371 | 0.027 | 0.049 | 0.889 | 0.157 | 0.444 | 0.027 | 0.038 | 0.787 | 0.134 | 0.382 |
| 49 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 0.880 | 0.046 | 0.010 | 0.672 | 0.116 | 0.328 | 0.050 | 0.022 | 0.880 | 0.149 | 0.422 | 0.029 | 0.007 | 0.433 | 0.074 | 0.212 |
| 50 | NH | Schiller | 2367 | 4 | | 0.847 | 0.042 | 0.025 | 0.803 | 0.138 | 0.391 | 0.047 | 0.023 | 0.847 | 0.145 | 0.411 | 0.045 | 0.022 | 0.809 | 0.138 | 0.393 |
| 51 | PA | Martins Creek | 3148 | 3,4 | x21 | 0.831 | 0.001 | 0.026 | 0.410 | 0.057 | 0.161 | 0.001 | 0.068 | 0.831 | 0.145 | 0.411 | 0.001 | 0.050 | 0.620 | 0.106 | 0.302 |
| 52 | NH | Schiller | 2367 | 6 | | 0.813 | 0.042 | 0.022 | 0.771 | 0.132 | 0.373 | 0.047 | 0.020 | 0.813 | 0.139 | 0.394 | 0.046 | 0.019 | 0.777 | 0.133 | 0.377 |
| 53 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.796 | 0.064 | 0.002 | 0.796 | 0.136 | 0.386 | 0.063 | 0.003 | 0.786 | 0.135 | 0.382 | 0.032 | 0.002 | 0.406 | 0.069 | 0.199 |
| 54 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 0.789 | 0.056 | 0.006 | 0.749 | 0.128 | 0.363 | 0.049 | 0.017 | 0.789 | 0.137 | 0.387 | 0.050 | 0.007 | 0.689 | 0.118 | 0.335 |
| 55 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.774 | 0.023 | 0.013 | 0.431 | 0.075 | 0.214 | 0.038 | 0.026 | 0.774 | 0.132 | 0.375 | 0.029 | 0.020 | 0.589 | 0.101 | 0.288 |
| 56 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 0.758 | 0.039 | 0.006 | 0.523 | 0.091 | 0.259 | 0.062 | 0.005 | 0.758 | 0.138 | 0.392 | 0.040 | 0.006 | 0.560 | 0.096 | 0.274 |
| 57 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.730 | 0.048 | 0.013 | 0.730 | 0.126 | 0.357 | 0.030 | 0.011 | 0.495 | 0.085 | 0.241 | 0.036 | 0.013 | 0.582 | 0.100 | 0.284 |
| 58 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.723 | 0.040 | 0.020 | 0.723 | 0.124 | 0.351 | 0.023 | 0.019 | 0.479 | 0.088 | 0.250 | 0.020 | 0.010 | 0.364 | 0.062 | 0.179 |
| 59 | MA | Brayton Point | 1619 | 3 | D016193 | 0.704 | 0.032 | 0.020 | 0.704 | 0.107 | 0.304 | 0.021 | 0.016 | 0.471 | 0.076 | 0.217 | 0.016 | 0.014 | 0.365 | 0.063 | 0.179 |
| 60 | IA | Ottumwa | | 1 | D062541 | 0.690 | 0.037 | 0.019 | 0.690 | 0.114 | 0.324 | 0.016 | 0.009 | 0.311 | 0.052 | 0.148 | 0.028 | 0.018 | 0.562 | 0.096 | 0.274 |
| 61 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.684 | 0.047 | 0.006 | 0.649 | 0.110 | 0.312 | 0.045 | 0.012 | 0.684 | 0.118 | 0.334 | 0.025 | 0.007 | 0.379 | 0.065 | 0.186 |
| 62 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 0.679 | 0.054 | 0.002 | 0.679 | 0.117 | 0.331 | 0.040 | 0.002 | 0.503 | 0.087 | 0.246 | 0.033 | 0.002 | 0.418 | 0.071 | 0.205 |
| 63 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 0.651 | 0.031 | 0.020 | 0.651 | 0.106 | 0.301 | 0.022 | 0.016 | 0.496 | 0.078 | 0.221 | 0.015 | 0.008 | 0.270 | 0.046 | 0.133 |
| 64 | GA | Yates | | Y6BR | D00728Y6R | 0.649 | 0.041 | 0.004 | 0.538 | 0.093 | 0.264 | 0.049 | 0.005 | 0.649 | 0.112 | 0.318 | 0.029 | 0.002 | 0.372 | 0.064 | 0.182 |
| 65 | MO | Sibley | | 1, 2, 3 | D02094C01 | 0.644 | 0.042 | 0.017 | 0.644 | 0.122 | 0.347 | 0.025 | 0.009 | 0.374 | 0.069 | 0.197 | 0.043 | 0.009 | 0.623 | 0.106 | 0.304 |
| 66 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 0.630 | 0.036 | 0.010 | 0.629 | 0.095 | 0.271 | 0.026 | 0.025 | 0.630 | 0.105 | 0.297 | 0.021 | 0.030 | 0.613 | 0.105 | 0.299 |
| 67 | PA | Cheswick | 8226 | 1 | D082261 | 0.628 | 0.024 | 0.012 | 0.628 | 0.075 | 0.213 | 0.016 | 0.039 | 0.508 | 0.115 | 0.325 | 0.011 | 0.015 | 0.315 | 0.054 | 0.155 |
| 68 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.615 | 0.049 | 0.002 | 0.615 | 0.106 | 0.301 | 0.037 | 0.002 | 0.458 | 0.079 | 0.224 | 0.030 | 0.001 | 0.379 | 0.065 | 0.186 |
| 69 | OH | Conesville | 2840 | 5,6 | D02840C06 | 0.605 | 0.035 | 0.012 | 0.484 | 0.098 | 0.277 | 0.022 | 0.026 | 0.605 | 0.101 | 0.288 | 0.016 | 0.016 | 0.386 | 0.066 | 0.189 |
| 70 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 0.593 | 0.035 | 0.013 | 0.593 | 0.100 | 0.283 | 0.025 | 0.017 | 0.500 | 0.088 | 0.249 | 0.031 | 0.016 | 0.576 | 0.098 | 0.281 |
| 71 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33% | D02535C01 | 0.579 | 0.040 | 0.006 | 0.579 | 0.095 | 0.269 | 0.032 | 0.006 | 0.474 | 0.078 | 0.223 | 0.028 | 0.009 | 0.454 | 0.078 | 0.222 |
| 72 | TX | Big Brown | 3497 | 1 | | 0.576 | 0.041 | 0.003 | 0.526 | 0.091 | 0.259 | 0.045 | 0.004 | 0.576 | 0.100 | 0.284 | 0.015 | 0.000 | 0.183 | 0.031 | 0.090 |
| 73 | MA | Brayton Point | 1619 | 1 | D016191 | 0.570 | 0.036 | 0.010 | 0.570 | 0.095 | 0.270 | 0.022 | 0.010 | 0.377 | 0.068 | 0.194 | 0.030 | 0.011 | 0.488 | 0.083 | 0.239 |
| 74 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.562 | 0.023 | 0.004 | 0.321 | 0.057 | 0.162 | 0.022 | 0.006 | 0.344 | 0.059 | 0.168 | 0.037 | 0.010 | 0.562 | 0.096 | 0.274 |
| 75 | TX | Big Brown | 3497 | 2 | | 0.553 | 0.039 | 0.004 | 0.504 | 0.088 | 0.250 | 0.043 | 0.004 | 0.553 | 0.096 | 0.274 | 0.014 | 0.000 | 0.176 | 0.030 | 0.087 |
| 76 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.545 | 0.039 | 0.008 | 0.545 | 0.097 | 0.275 | 0.018 | 0.006 | 0.283 | 0.050 | 0.141 | 0.025 | 0.010 | 0.415 | 0.071 | 0.203 |
| 77 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 0.532 | 0.039 | 0.003 | 0.506 | 0.088 | 0.251 | 0.039 | 0.006 | 0.532 | 0.091 | 0.258 | 0.021 | 0.003 | 0.290 | 0.050 | 0.143 |
| 78 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.524 | 0.037 | 0.009 | 0.524 | 0.096 | 0.273 | 0.018 | 0.006 | 0.280 | 0.050 | 0.142 | 0.024 | 0.011 | 0.420 | 0.072 | 0.206 |
| 79 | MD | C P Crane | 1552 | 1 | D015521 | 0.505 | 0.013 | 0.008 | 0.286 | 0.045 | 0.128 | 0.021 | 0.016 | 0.465 | 0.076 | 0.217 | 0.022 | 0.020 | 0.505 | 0.087 | 0.247 |
| 80 | NJ | B L England | 2378 | 2,3 | x12 | 0.504 | 0.021 | 0.014 | 0.414 | 0.072 | 0.205 | 0.022 | 0.017 | 0.458 | 0.080 | 0.227 | 0.028 | 0.014 | 0.504 | 0.086 | 0.246 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 0.485 | 0.028 | 0.012 | 0.485 | 0.083 | 0.236 | 0.017 | 0.011 | 0.313 | 0.058 | 0.166 | 0.014 | 0.006 | 0.245 | 0.042 | 0.120 |
| 82 | IA | George Neal South | | 4 | D073434 | 0.469 | 0.012 | 0.007 | 0.239 | 0.041 | 0.117 | 0.014 | 0.008 | 0.268 | 0.046 | 0.131 | 0.024 | 0.015 | 0.469 | 0.080 | 0.230 |
| 83 | KY | Paradise | 1378 | 2 | D013782 | 0.455 | 0.034 | 0.004 | 0.455 | 0.079 | 0.224 | 0.016 | 0.003 | 0.219 | 0.039 | 0.112 | 0.022 | 0.002 | 0.297 | 0.051 | 0.146 |
| 84 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.450 | 0.027 | 0.006 | 0.450 | 0.068 | 0.194 | 0.018 | 0.013 | 0.386 | 0.065 | 0.185 | 0.013 | 0.012 | 0.301 | 0.052 | 0.148 |
| 85 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 0.450 | 0.030 | 0.001 | 0.394 | 0.064 | 0.182 | 0.035 | 0.000 | 0.432 | 0.074 | 0.210 | 0.037 | 0.000 | 0.450 | 0.077 | 0.220 |
| 86 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.447 | 0.026 | 0.007 | 0.447 | 0.067 | 0.192 | 0.022 | 0.007 | 0.426 | 0.061 | 0.174 | 0.017 | 0.002 | 0.226 | 0.039 | 0.111 |
| 87 | MI | Monroe | 1733 | 1,2 | D01733C12 | 0.442 | 0.009 | 0.007 | 0.245 | 0.033 | 0.095 | 0.007 | 0.016 | 0.226 | 0.047 | 0.133 | 0.014 | 0.022 | 0.442 | 0.076 | 0.217 |
| 88 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 0.442 | 0.020 | 0.001 | 0.251 | 0.043 | 0.124 | 0.029 | 0.003 | 0.382 | 0.066 | 0.188 | 0.033 | 0.004 | 0.442 | 0.076 | 0.216 |
| 89 | MD | Brandon Shores | 602 | 2 | D006022 | 0.439 | 0.013 | 0.006 | 0.217 | 0.039 | 0.113 | 0.024 | 0.008 | 0.336 | 0.067 | 0.190 | 0.024 | 0.013 | 0.439 | 0.075 | 0.215 |
| 90 | MD | Brandon Shores | 602 | 1 | D006021 | 0.424 | 0.014 | 0.004 | 0.211 | 0.039 | 0.110 | 0.026 | 0.006 | 0.327 | 0.066 | 0.189 | 0.026 | 0.009 | 0.424 | 0.073 | 0.208 |
| 91 | TX | Martin Lake | 6146 | 1 | | 0.412 | 0.026 | 0.006 | 0.379 | 0.066 | 0.189 | 0.029 | 0.006 | 0.412 | 0.072 | 0.205 | 0.010 | 0.001 | 0.123 | 0.021 | 0.061 |
| 92 | TX | Monticello | 6147 | 1 | | 0.395 | 0.027 | 0.003 | 0.361 | 0.062 | 0.176 | 0.030 | 0.003 | 0.395 | 0.068 | 0.192 | 0.010 | 0.000 | 0.122 | 0.021 | 0.060 |
| 93 | TX | Martin Lake | 6146 | 3 | | 0.391 | 0.025 | 0.005 | 0.359 | 0.063 | 0.179 | 0.027 | 0.006 | 0.391 | 0.068 | 0.195 | 0.009 | 0.001 | 0.117 | 0.020 | 0.058 |
| 94 | DE | Indian River | 594 | 4 | D005944 | 0.387 | 0.020 | 0.002 | 0.259 | 0.046 | 0.131 | 0.029 | 0.004 | 0.387 | 0.068 | 0.193 | 0.011 | 0.002 | 0.162 | 0.028 | 0.080 |
| 95 | KY | Paradise | 1378 | 3 | D013783 | 0.378 | 0.022 | 0.009 | 0.378 | 0.063 | 0.180 | 0.011 | 0.008 | 0.251 | 0.039 | 0.111 | 0.014 | 0.005 | 0.230 | 0.039 | 0.113 |
| 96 | NH | Merrimack | 2364 | 1 | D023641 | 0.377 | 0.011 | 0.034 | 0.377 | 0.093 | 0.263 | 0.011 | 0.022 | 0.368 | 0.068 | 0.195 | 0.010 | 0.017 | 0.333 | 0.057 | 0.164 |
| 97 | KY | Paradise | 1378 | 1 | D01720C09 | 0.363 | 0.027 | 0.003 | 0.363 | 0.063 | 0.179 | 0.012 | 0.003 | 0.176 | 0.031 | 0.090 | 0.018 | 0.002 | 0.237 | 0.041 | 0.116 |
| 98 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.357 | 0.018 | 0.005 | 0.315 | 0.048 | 0.137 | 0.017 | 0.015 | 0.357 | 0.066 | 0.188 | 0.016 | 0.010 | 0.316 | 0.054 | 0.155 |
| 99 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 0.340 | 0.026 | 0.002 | 0.340 | 0.057 | 0.163 | 0.009 | 0.002 | 0.131 | 0.023 | 0.065 | 0.006 | 0.001 | 0.081 | 0.014 | 0.040 |
| 100 | TX | Martin Lake | 6146 | 2 | | 0.315 | 0.020 | 0.005 | 0.289 | 0.052 | 0.150 | 0.022 | 0.006 | 0.315 | 0.057 | 0.163 | 0.007 | 0.001 | 0.095 | 0.016 | 0.047 |
| 101 | OH | Cardinal | 2828 | 3 | D028283 | 0.302 | 0.012 | 0.004 | 0.302 | 0.033 | 0.094 | 0.009 | 0.008 | 0.233 | 0.034 | 0.098 | 0.005 | 0.006 | 0.140 | 0.024 | 0.069 |
| 102 | MO | Labadie | | 4 | D021034 | 0.300 | 0.021 | 0.004 | 0.300 | 0.052 | 0.147 | 0.017 | 0.003 | 0.239 | 0.041 | 0.118 | 0.013 | 0.002 | 0.185 | 0.032 | 0.091 |
| 103 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 0.300 | 0.011 | 0.006 | 0.264 | 0.036 | 0.103 | 0.012 | 0.018 | 0.300 | 0.063 | 0.178 | 0.007 | 0.007 | 0.175 | 0.030 | 0.086 |
| 104 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.295 | 0.003 | 0.019 | 0.295 | 0.046 | 0.131 | 0.003 | 0.015 | 0.272 | 0.037 | 0.106 | 0.002 | 0.018 | 0.249 | 0.043 | 0.122 |
| 105 | OH | J M Stuart | 2850 | 4 | D028404 | 0.289 | 0.017 | 0.003 | 0.256 | 0.041 | 0.117 | 0.014 | 0.013 | 0.289 | 0.055 | 0.157 | 0.017 | 0.007 | 0.287 | 0.049 | 0.141 |
| 106 | KY | Mill Creek | 1364 | 4 | D013644 | 0.276 | 0.004 | 0.006 | 0.239 | 0.022 | 0.063 | 0.005 | 0.013 | 0.276 | 0.036 | 0.104 | 0.003 | 0.011 | 0.160 | 0.028 | 0.079 |
| 107 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 0.268 | 0.013 | 0.004 | 0.241 | 0.035 | 0.100 | 0.013 | 0.013 | 0.268 | 0.054 | 0.155 | 0.008 | 0.005 | 0.158 | 0.027 | 0.078 |
| 108 | MD | Morgantown | 1573 | 1 | D015731 | 0.252 | 0.018 | 0.004 | 0.252 | 0.045 | 0.128 | 0.018 | 0.002 | 0.240 | 0.041 | 0.116 | 0.017 | 0.003 | 0.241 | 0.041 | 0.118 |
| 109 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.232 | 0.015 | 0.004 | 0.232 | 0.041 | 0.116 | 0.009 | 0.004 | 0.161 | 0.028 | 0.079 | 0.012 | 0.005 | 0.198 | 0.034 | 0.097 |
| 110 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.219 | 0.001 | 0.007 | 0.094 | 0.018 | 0.050 | 0.003 | 0.004 | 0.219 | 0.014 | 0.041 | 0.002 | 0.013 | 0.189 | 0.033 | 0.093 |
| 111 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.218 | 0.009 | 0.006 | 0.177 | 0.030 | 0.087 | 0.011 | 0.007 | 0.218 | 0.037 | 0.107 | 0.010 | 0.008 | 0.218 | 0.037 | 0.107 |
| 112 | OK | Grand River Dam Authority | | 1 | D001651 | 0.216 | 0.013 | 0.000 | 0.205 | 0.027 | 0.077 | 0.016 | 0.000 | 0.216 | 0.033 | 0.096 | 0.009 | 0.000 | 0.113 | 0.019 | 0.056 |
| 113 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.194 | 0.001 | 0.006 | 0.085 | 0.015 | 0.043 | 0.002 | 0.006 | 0.194 | 0.016 | 0.046 | 0.002 | 0.014 | 0.186 | 0.032 | 0.092 |
| 114 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.180 | 0.009 | 0.002 | 0.116 | 0.021 | 0.059 | 0.008 | 0.001 | 0.110 | 0.019 | 0.055 | 0.014 | 0.002 | 0.180 | 0.031 | 0.089 |
| 115 | WI | Columbia | | 1 | D080231 | 0.172 | 0.004 | 0.008 | 0.172 | 0.026 | 0.073 | 0.004 | 0.007 | 0.149 | 0.022 | 0.063 | 0.003 | 0.007 | 0.118 | 0.020 | 0.058 |
| 116 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.165 | 0.008 | 0.004 | 0.164 | 0.026 | 0.074 | 0.007 | 0.004 | 0.140 | 0.023 | 0.065 | 0.010 | 0.004 | 0.165 | 0.028 | 0.081 |
| 117 | WI | Columbia | | 2 | D080232 | 0.157 | 0.004 | 0.007 | 0.157 | 0.024 | 0.068 | 0.004 | 0.006 | 0.140 | 0.022 | 0.062 | 0.003 | 0.006 | 0.107 | 0.018 | 0.053 |
| 118 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.146 | 0.003 | 0.003 | 0.146 | 0.013 | 0.038 | 0.001 | 0.004 | 0.068 | 0.011 | 0.031 | 0.001 | 0.002 | 0.036 | 0.006 | 0.018 |
| 119 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.141 | 0.006 | 0.002 | 0.141 | 0.018 | 0.051 | 0.003 | 0.003 | 0.069 | 0.013 | 0.036 | 0.003 | 0.002 | 0.061 | 0.011 | 0.030 |
| 120 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.140 | 0.003 | 0.003 | 0.140 | 0.012 | 0.035 | 0.001 | 0.003 | 0.059 | 0.009 | 0.026 | 0.001 | 0.002 | 0.027 | 0.005 | 0.013 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.139 | 0.007 | 0.002 | 0.139 | 0.018 | 0.051 | 0.003 | 0.003 | 0.067 | 0.012 | 0.036 | 0.003 | 0.002 | 0.060 | 0.010 | 0.030 |
| 122 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.120 | 0.006 | 0.005 | 0.118 | 0.023 | 0.065 | 0.006 | 0.004 | 0.119 | 0.021 | 0.061 | 0.006 | 0.004 | 0.120 | 0.021 | 0.059 |
| 123 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.119 | 0.006 | 0.001 | 0.081 | 0.014 | 0.040 | 0.005 | 0.001 | 0.072 | 0.013 | 0.036 | 0.009 | 0.001 | 0.119 | 0.020 | 0.059 |
| 124 | GA | Scherer | | 1 | D062571 | 0.097 | 0.001 | 0.004 | 0.073 | 0.010 | 0.029 | 0.001 | 0.008 | 0.097 | 0.018 | 0.052 | 0.001 | 0.006 | 0.077 | 0.013 | 0.038 |
| 125 | GA | Scherer | | 4 | D062574 | 0.097 | 0.001 | 0.004 | 0.073 | 0.010 | 0.029 | 0.001 | 0.008 | 0.097 | 0.018 | 0.052 | 0.001 | 0.006 | 0.077 | 0.013 | 0.038 |
| 126 | GA | Scherer | | 2 | D062572 | 0.073 | 0.000 | 0.003 | 0.055 | 0.008 | 0.022 | 0.000 | 0.006 | 0.073 | 0.014 | 0.039 | 0.000 | 0.004 | 0.058 | 0.010 | 0.029 |
| 127 | GA | Yates | | Y7BR | D00728Y7R | 0.045 | 0.000 | 0.004 | 0.037 | 0.009 | 0.025 | 0.000 | 0.005 | 0.045 | 0.011 | 0.033 | 0.000 | 0.002 | 0.026 | 0.004 | 0.013 |
| 128 | KS | La Cygne | 1241 | 1 | | 0.037 | 0.003 | 0.000 | 0.037 | 0.006 | 0.017 | 0.002 | 0.000 | 0.030 | 0.005 | 0.015 | 0.002 | 0.000 | 0.020 | 0.004 | 0.010 |
| 129 | VA | Bremo Power Station | | 4 | D037964 | 0.015 | 0.000 | 0.001 | 0.012 | 0.002 | 0.007 | 0.000 | 0.001 | 0.012 | 0.003 | 0.009 | 0.000 | 0.001 | 0.015 | 0.003 | 0.008 |
| 130 | KS | La Cygne | | 2 | D012412 | 0.010 | 0.001 | 0.000 | 0.010 | 0.002 | 0.005 | 0.001 | 0.000 | 0.010 | 0.002 | 0.005 | 0.000 | 0.000 | 0.006 | 0.001 | 0.003 |

## F.7 2011 EGU Ranking Visibility Impairing Sources to Great Gulf

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 21.224 | 1.357 | 0.230 | 18.740 | 2.362 | 6.856 | 1.341 | 0.456 | 21.224 | 2.637 | 7.493 | 0.761 | 0.324 | 12.660 | 1.655 | 5.101 |
| 2 | NH | Merrimack | 2364 | 2 | D023642 | 7.187 | 0.250 | 0.037 | 3.292 | 0.457 | 1.596 | 0.481 | 0.140 | 7.187 | 0.973 | 3.204 | 0.392 | 0.160 | 6.379 | 0.868 | 2.891 |
| 3 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 7.157 | 0.522 | 0.031 | 6.391 | 0.870 | 2.896 | 0.526 | 0.093 | 7.157 | 0.969 | 3.193 | 0.396 | 0.040 | 5.031 | 0.691 | 2.346 |
| 4 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 7.072 | 0.314 | 0.027 | 3.923 | 0.543 | 1.875 | 0.484 | 0.127 | 7.072 | 0.958 | 3.161 | 0.344 | 0.096 | 5.081 | 0.697 | 2.367 |
| 5 | MI | Monroe | 1733 | 1,2 | D01733C12 | 5.653 | 0.253 | 0.061 | 3.608 | 0.500 | 1.736 | 0.324 | 0.165 | 5.653 | 0.773 | 2.602 | 0.291 | 0.146 | 5.052 | 0.694 | 2.355 |
| 6 | PA | Homer City | 3122 | 2 | D031222 | 5.311 | 0.350 | 0.016 | 4.215 | 0.582 | 2.001 | 0.282 | 0.044 | 3.749 | 0.519 | 1.799 | 0.441 | 0.019 | 5.311 | 0.728 | 2.462 |
| 7 | PA | Homer City | 3122 | 1 | D031221 | 5.262 | 0.350 | 0.013 | 4.176 | 0.577 | 1.984 | 0.281 | 0.036 | 3.646 | 0.505 | 1.753 | 0.441 | 0.016 | 5.262 | 0.721 | 2.442 |
| 8 | OH | Eastlake | | 5 | D028375 | 5.149 | 0.203 | 0.030 | 2.668 | 0.372 | 1.312 | 0.393 | 0.054 | 5.149 | 0.706 | 2.395 | 0.238 | 0.068 | 3.523 | 0.489 | 1.699 |
| 9 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 4.496 | 0.293 | 0.018 | 3.579 | 0.496 | 1.724 | 0.265 | 0.025 | 3.330 | 0.462 | 1.613 | 0.368 | 0.022 | 4.496 | 0.620 | 2.121 |
| 10 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 4.487 | 0.372 | 0.010 | 4.396 | 0.606 | 2.079 | 0.349 | 0.040 | 4.487 | 0.618 | 2.117 | 0.244 | 0.019 | 3.015 | 0.420 | 1.471 |
| 11 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 3.890 | 0.193 | 0.051 | 2.802 | 0.391 | 1.374 | 0.210 | 0.127 | 3.890 | 0.538 | 1.860 | 0.124 | 0.048 | 1.975 | 0.277 | 0.988 |
| 12 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 3.885 | 0.160 | 0.016 | 2.007 | 0.281 | 1.003 | 0.258 | 0.080 | 3.885 | 0.538 | 1.858 | 0.168 | 0.025 | 2.210 | 0.309 | 1.099 |
| 13 | PA | Cheswick | 8226 | 1 | D082261 | 3.748 | 0.299 | 0.027 | 3.748 | 0.519 | 1.798 | 0.175 | 0.063 | 2.738 | 0.382 | 1.344 | 0.241 | 0.027 | 3.078 | 0.428 | 1.500 |
| 14 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 3.654 | 0.280 | 0.037 | 3.654 | 0.506 | 1.757 | 0.188 | 0.023 | 2.420 | 0.338 | 1.197 | 0.278 | 0.032 | 3.572 | 0.495 | 1.721 |
| 15 | NH | Merrimack | 2364 | 1 | D023641 | 3.474 | 0.125 | 0.017 | 1.620 | 0.228 | 0.817 | 0.241 | 0.061 | 3.474 | 0.482 | 1.677 | 0.196 | 0.071 | 3.070 | 0.427 | 1.496 |
| 16 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 3.396 | 0.200 | 0.026 | 2.588 | 0.361 | 1.275 | 0.227 | 0.068 | 3.396 | 0.471 | 1.642 | 0.138 | 0.037 | 2.015 | 0.282 | 1.007 |
| 17 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 3.221 | 0.266 | 0.015 | 3.221 | 0.448 | 1.564 | 0.068 | 0.020 | 1.009 | 0.142 | 0.517 | 0.137 | 0.024 | 1.845 | 0.259 | 0.926 |
| 18 | PA | Keystone | 3136 | 1 | D031361 | 3.171 | 0.200 | 0.034 | 2.695 | 0.376 | 1.325 | 0.140 | 0.097 | 2.738 | 0.382 | 1.345 | 0.228 | 0.048 | 3.171 | 0.441 | 1.541 |
| 19 | PA | Keystone | 3136 | 2 | D031362 | 3.156 | 0.200 | 0.034 | 2.683 | 0.374 | 1.319 | 0.140 | 0.096 | 2.723 | 0.380 | 1.338 | 0.227 | 0.047 | 3.156 | 0.439 | 1.535 |
| 20 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 2.979 | 0.119 | 0.028 | 1.682 | 0.236 | 0.847 | 0.130 | 0.128 | 2.979 | 0.415 | 1.455 | 0.088 | 0.054 | 1.633 | 0.229 | 0.823 |
| 21 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 2.785 | 0.123 | 0.009 | 1.501 | 0.211 | 0.759 | 0.198 | 0.045 | 2.785 | 0.388 | 1.366 | 0.129 | 0.014 | 1.635 | 0.230 | 0.824 |
| 22 | MA | Brayton Point | 1619 | 3 | D016193 | 2.719 | 0.213 | 0.024 | 2.719 | 0.379 | 1.336 | 0.180 | 0.041 | 2.537 | 0.354 | 1.252 | 0.160 | 0.051 | 2.422 | 0.339 | 1.198 |
| 23 | WV | Harrison Power Station | | 1 (25%), 2 (20 | D03944C01 | 2.693 | 0.037 | 0.048 | 0.989 | 0.140 | 0.507 | 0.045 | 0.186 | 2.693 | 0.376 | 1.324 | 0.042 | 0.062 | 1.204 | 0.170 | 0.614 |
| 24 | MI | St. Clair | 1743 | 7 | D017437 | 2.509 | 0.094 | 0.007 | 1.159 | 0.163 | 0.591 | 0.201 | 0.018 | 2.509 | 0.350 | 1.239 | 0.156 | 0.023 | 2.051 | 0.287 | 1.024 |
| 25 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 2.411 | 0.068 | 0.025 | 1.075 | 0.152 | 0.550 | 0.096 | 0.055 | 1.740 | 0.244 | 0.875 | 0.105 | 0.103 | 2.411 | 0.337 | 1.193 |
| 26 | IL | Powerton | | 51,52,61,62 | D00879C06 | 2.349 | 0.036 | 0.014 | 0.567 | 0.080 | 0.293 | 0.078 | 0.024 | 1.173 | 0.165 | 0.598 | 0.161 | 0.044 | 2.349 | 0.328 | 1.164 |
| 27 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.245 | 0.105 | 0.014 | 1.361 | 0.192 | 0.691 | 0.163 | 0.033 | 2.245 | 0.314 | 1.115 | 0.113 | 0.025 | 1.586 | 0.223 | 0.801 |
| 28 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 2.231 | 0.039 | 0.060 | 1.138 | 0.160 | 0.581 | 0.072 | 0.100 | 1.987 | 0.279 | 0.993 | 0.062 | 0.130 | 2.231 | 0.312 | 1.109 |
| 29 | OH | Muskingum River | 2872 | 5 | D028725 | 2.224 | 0.167 | 0.004 | 1.958 | 0.275 | 0.980 | 0.182 | 0.012 | 2.224 | 0.311 | 1.106 | 0.124 | 0.005 | 1.471 | 0.207 | 0.745 |
| 30 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 2.185 | 0.050 | 0.010 | 0.686 | 0.097 | 0.354 | 0.129 | 0.061 | 2.185 | 0.306 | 1.087 | 0.098 | 0.063 | 1.853 | 0.260 | 0.929 |
| 31 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 2.153 | 0.075 | 0.023 | 1.130 | 0.159 | 0.577 | 0.130 | 0.057 | 2.153 | 0.301 | 1.072 | 0.082 | 0.069 | 1.734 | 0.243 | 0.872 |
| 32 | OH | Cardinal | 2828 | 3 | D028283 | 2.102 | 0.178 | 0.006 | 2.102 | 0.294 | 1.048 | 0.141 | 0.017 | 1.818 | 0.255 | 0.912 | 0.126 | 0.006 | 1.517 | 0.213 | 0.767 |
| 33 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 1.939 | 0.160 | 0.009 | 1.939 | 0.272 | 0.971 | 0.129 | 0.033 | 1.856 | 0.260 | 0.931 | 0.148 | 0.016 | 1.879 | 0.264 | 0.942 |
| 34 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.938 | 0.017 | 0.038 | 0.635 | 0.090 | 0.328 | 0.025 | 0.142 | 1.938 | 0.272 | 0.970 | 0.020 | 0.085 | 1.218 | 0.172 | 0.621 |
| 35 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.904 | 0.036 | 0.011 | 0.538 | 0.076 | 0.279 | 0.099 | 0.020 | 1.358 | 0.191 | 0.689 | 0.119 | 0.046 | 1.904 | 0.267 | 0.954 |
| 36 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 1.900 | 0.121 | 0.016 | 1.579 | 0.222 | 0.797 | 0.127 | 0.039 | 1.900 | 0.267 | 0.952 | 0.062 | 0.019 | 0.925 | 0.131 | 0.475 |
| 37 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 1.888 | 0.107 | 0.015 | 1.398 | 0.197 | 0.709 | 0.122 | 0.042 | 1.888 | 0.265 | 0.946 | 0.112 | 0.015 | 1.447 | 0.204 | 0.733 |
| 38 | ME | William F Wyman | 1507 | 4 | D015074 | 1.882 | 0.060 | 0.057 | 1.349 | 0.190 | 0.685 | 0.084 | 0.079 | 1.882 | 0.264 | 0.943 | 0.067 | 0.040 | 1.230 | 0.173 | 0.627 |
| 39 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 1.870 | 0.120 | 0.016 | 1.556 | 0.219 | 0.786 | 0.125 | 0.038 | 1.870 | 0.262 | 0.937 | 0.061 | 0.018 | 0.910 | 0.129 | 0.467 |
| 40 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 1.812 | 0.150 | 0.004 | 1.767 | 0.248 | 0.888 | 0.141 | 0.017 | 1.812 | 0.254 | 0.910 | 0.098 | 0.008 | 1.218 | 0.172 | 0.620 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | IN | Tanners Creek | 988 | U4 | D00988U4 | 1.785 | 0.147 | 0.009 | **1.785** | 0.251 | 0.897 | 0.109 | 0.020 | **1.472** | 0.207 | 0.745 | 0.092 | 0.013 | **1.211** | 0.171 | 0.617 |
| 42 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33 | D02535C01 | 1.766 | 0.139 | 0.015 | **1.766** | 0.248 | 0.888 | 0.092 | 0.015 | **1.231** | 0.173 | 0.627 | 0.089 | 0.029 | **1.353** | 0.191 | 0.687 |
| 43 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.722 | 0.027 | 0.051 | 0.909 | 0.128 | 0.467 | 0.036 | 0.112 | **1.722** | 0.242 | 0.866 | 0.018 | 0.037 | 0.638 | 0.090 | 0.330 |
| 44 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 1.697 | 0.105 | 0.013 | **1.347** | 0.190 | 0.684 | 0.103 | 0.045 | **1.697** | 0.238 | 0.854 | 0.096 | 0.018 | **1.314** | 0.185 | 0.668 |
| 45 | MI | St. Clair | 1743 | 6 | D017436 | 1.672 | 0.054 | 0.005 | 0.665 | 0.094 | 0.344 | 0.134 | 0.012 | **1.672** | 0.235 | 0.843 | 0.099 | 0.016 | **1.311** | 0.185 | 0.666 |
| 46 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 1.670 | 0.083 | 0.025 | **1.241** | 0.175 | 0.632 | 0.055 | 0.013 | 0.786 | 0.111 | 0.405 | 0.117 | 0.028 | **1.670** | 0.235 | 0.841 |
| 47 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 1.605 | 0.132 | 0.008 | **1.605** | 0.226 | 0.810 | 0.045 | 0.012 | 0.652 | 0.092 | 0.337 | 0.068 | 0.012 | 0.923 | 0.130 | 0.474 |
| 48 | PA | Montour | 3149 | 1 | D031491 | 1.598 | 0.080 | 0.025 | **1.200** | 0.169 | 0.611 | 0.063 | 0.075 | **1.598** | 0.225 | 0.806 | 0.065 | 0.048 | **1.301** | 0.183 | 0.662 |
| 49 | NH | Newington | 8002 | 1 | D080021 | 1.576 | 0.056 | 0.050 | **1.218** | 0.172 | 0.620 | 0.091 | 0.034 | **1.439** | 0.203 | 0.729 | 0.089 | 0.048 | **1.576** | 0.222 | 0.796 |
| 50 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.543 | 0.045 | 0.015 | 0.690 | 0.098 | 0.356 | 0.112 | 0.023 | **1.543** | 0.217 | 0.780 | 0.084 | 0.040 | **1.424** | 0.200 | 0.722 |
| 51 | MI | Belle River | | 2 | D060342 | 1.528 | 0.060 | 0.017 | 0.888 | 0.125 | 0.456 | 0.091 | 0.042 | **1.528** | 0.215 | 0.772 | 0.073 | 0.054 | **1.465** | 0.206 | 0.742 |
| 52 | PA | Montour | 3149 | 2 | D031492 | 1.518 | 0.081 | 0.023 | **1.181** | 0.167 | 0.602 | 0.064 | 0.068 | **1.518** | 0.213 | 0.767 | 0.066 | 0.043 | **1.254** | 0.177 | 0.639 |
| 53 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 1.516 | 0.041 | 0.019 | 0.695 | 0.098 | 0.359 | 0.059 | 0.072 | **1.516** | 0.213 | 0.767 | 0.037 | 0.024 | 0.700 | 0.099 | 0.361 |
| 54 | MI | Belle River | | 1 | D060341 | 1.507 | 0.059 | 0.017 | 0.875 | 0.124 | 0.450 | 0.089 | 0.042 | **1.507** | 0.212 | 0.762 | 0.071 | 0.054 | **1.448** | 0.204 | 0.733 |
| 55 | NJ | B L England | 2378 | 1 | | 1.471 | 0.056 | 0.015 | 0.817 | 0.116 | 0.421 | 0.111 | 0.018 | **1.471** | 0.207 | 0.745 | 0.065 | 0.009 | 0.840 | 0.119 | 0.432 |
| 56 | PA | Portland | | 3 (2) | d031132 | 1.429 | 0.065 | 0.009 | 0.844 | 0.119 | 0.434 | 0.100 | 0.025 | **1.429** | 0.201 | 0.724 | 0.080 | 0.021 | **1.167** | 0.165 | 0.595 |
| 57 | WI | Columbia | | 1 | D080231 | 1.411 | 0.025 | 0.007 | 0.367 | 0.052 | 0.191 | 0.062 | 0.010 | 0.827 | 0.117 | 0.425 | 0.097 | 0.026 | **1.411** | 0.199 | 0.715 |
| 58 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 1.395 | 0.102 | 0.020 | **1.395** | 0.196 | 0.707 | 0.092 | 0.024 | **1.328** | 0.187 | 0.675 | 0.069 | 0.011 | 0.919 | 0.130 | 0.472 |
| 59 | OH | Killen Station | 6031 | 2 | D060312 | 1.366 | 0.041 | 0.013 | 0.616 | 0.087 | 0.318 | 0.063 | 0.056 | **1.366** | 0.192 | 0.693 | 0.030 | 0.019 | 0.559 | 0.079 | 0.290 |
| 60 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 1.345 | 0.069 | 0.017 | 0.987 | 0.139 | 0.506 | 0.077 | 0.040 | **1.345** | 0.189 | 0.683 | 0.066 | 0.021 | 0.995 | 0.140 | 0.510 |
| 61 | WI | Columbia | | 2 | D080232 | 1.339 | 0.030 | 0.009 | 0.442 | 0.063 | 0.230 | 0.068 | 0.011 | 0.903 | 0.128 | 0.464 | 0.091 | 0.025 | **1.339** | 0.189 | 0.680 |
| 62 | PA | Brunner Island | 3140 | 3 | D031403 | 1.271 | 0.058 | 0.021 | 0.902 | 0.127 | 0.463 | 0.048 | 0.060 | **1.247** | 0.176 | 0.635 | 0.058 | 0.053 | **1.271** | 0.179 | 0.647 |
| 63 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 1.256 | 0.052 | 0.024 | 0.880 | 0.124 | 0.452 | 0.047 | 0.061 | **1.256** | 0.177 | 0.639 | 0.051 | 0.046 | **1.118** | 0.158 | 0.571 |
| 64 | MA | Brayton Point | 1619 | 2 | D016192 | 1.244 | 0.078 | 0.011 | **1.025** | 0.145 | 0.525 | 0.076 | 0.029 | **1.209** | 0.170 | 0.616 | 0.067 | 0.042 | **1.244** | 0.175 | 0.633 |
| 65 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 1.186 | 0.037 | 0.014 | 0.576 | 0.082 | 0.298 | 0.053 | 0.050 | **1.186** | 0.167 | 0.605 | 0.033 | 0.017 | 0.568 | 0.080 | 0.294 |
| 66 | PA | Armstrong Power Station | | 1 | D031781 | 1.180 | 0.097 | 0.006 | **1.180** | 0.166 | 0.602 | 0.065 | 0.018 | 0.955 | 0.135 | 0.490 | | | | | |
| 67 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 1.173 | 0.041 | 0.018 | 0.682 | 0.097 | 0.352 | 0.069 | 0.033 | **1.173** | 0.165 | 0.598 | 0.044 | 0.026 | 0.806 | 0.114 | 0.415 |
| 68 | MD | C P Crane | 1552 | 2 | D015522 | 1.171 | 0.039 | 0.008 | 0.536 | 0.076 | 0.278 | 0.067 | 0.035 | **1.171** | 0.165 | 0.597 | 0.069 | 0.016 | 0.980 | 0.138 | 0.502 |
| 69 | PA | Armstrong Power Station | | 2 | D031782 | 1.163 | 0.095 | 0.006 | **1.163** | 0.164 | 0.593 | 0.064 | 0.019 | 0.955 | 0.135 | 0.490 | | | | | |
| 70 | OH | Conesville | 2840 | 5,6 | D02840C06 | 1.128 | 0.028 | 0.025 | 0.607 | 0.086 | 0.314 | 0.029 | 0.068 | **1.128** | 0.159 | 0.576 | 0.016 | 0.033 | 0.565 | 0.080 | 0.293 |
| 71 | MN | Sherburne County | | 1, 2 | D06090CS1 | 1.123 | 0.031 | 0.026 | 0.646 | 0.091 | 0.334 | 0.049 | 0.032 | 0.925 | 0.131 | 0.475 | 0.058 | 0.039 | **1.123** | 0.158 | 0.574 |
| 72 | MD | Morgantown | 1573 | 1 | D015731 | 1.120 | 0.080 | 0.003 | 0.948 | 0.134 | 0.486 | 0.089 | 0.009 | **1.120** | 0.158 | 0.572 | 0.082 | 0.003 | 0.969 | 0.137 | 0.497 |
| 73 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 1.103 | 0.068 | 0.007 | 0.853 | 0.120 | 0.438 | 0.071 | 0.007 | 0.896 | 0.127 | 0.460 | 0.087 | 0.009 | **1.103** | 0.156 | 0.564 |
| 74 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.102 | 0.069 | 0.009 | 0.892 | 0.126 | 0.458 | 0.059 | 0.009 | 0.776 | 0.110 | 0.400 | 0.088 | 0.009 | **1.102** | 0.155 | 0.563 |
| 75 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 1.095 | 0.043 | 0.013 | 0.637 | 0.090 | 0.330 | 0.030 | 0.007 | 0.421 | 0.060 | 0.219 | 0.075 | 0.020 | **1.095** | 0.154 | 0.560 |
| 76 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 1.068 | 0.033 | 0.012 | 0.514 | 0.073 | 0.267 | 0.074 | 0.019 | **1.068** | 0.151 | 0.546 | 0.065 | 0.027 | **1.063** | 0.150 | 0.544 |
| 77 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 1.057 | 0.069 | 0.002 | 0.808 | 0.114 | 0.416 | 0.053 | 0.003 | 0.643 | 0.091 | 0.332 | 0.090 | 0.003 | **1.057** | 0.149 | 0.541 |
| 78 | PA | Homer City | | 3 | D031223 | 1.053 | 0.043 | 0.019 | 0.705 | 0.100 | 0.364 | 0.032 | 0.059 | **1.053** | 0.149 | 0.539 | 0.048 | 0.026 | 0.850 | 0.120 | 0.437 |
| 79 | MD | C P Crane | 1552 | 1 | D015521 | 1.052 | 0.035 | 0.007 | 0.484 | 0.069 | 0.251 | 0.060 | 0.031 | **1.052** | 0.148 | 0.538 | 0.063 | 0.014 | 0.884 | 0.125 | 0.454 |
| 80 | GA | Yates | | Y6BR | D00728Y6R | 1.051 | 0.084 | 0.003 | 0.993 | 0.140 | 0.509 | 0.044 | 0.005 | 0.559 | 0.079 | 0.290 | 0.086 | 0.006 | **1.051** | 0.148 | 0.537 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 1.049 | 0.087 | 0.004 | **1.049** | 0.148 | 0.537 | 0.025 | 0.003 | 0.318 | 0.045 | 0.166 | 0.035 | 0.005 | 0.458 | 0.065 | 0.238 |
| 82 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.043 | 0.041 | 0.003 | 0.501 | 0.071 | 0.260 | 0.083 | 0.008 | **1.043** | 0.147 | 0.534 | 0.061 | 0.013 | 0.846 | 0.120 | 0.435 |
| 83 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 1.042 | 0.081 | 0.010 | **1.042** | 0.147 | 0.533 | 0.051 | 0.009 | 0.690 | 0.098 | 0.356 | | | | | |
| 84 | IA | Ottumwa | | 1 | D062541 | 1.040 | 0.032 | 0.008 | 0.466 | 0.066 | 0.242 | 0.057 | 0.012 | 0.788 | 0.111 | 0.406 | 0.076 | 0.015 | **1.040** | 0.147 | 0.532 |
| 85 | MA | Brayton Point | 1619 | 1 | D016191 | 1.018 | 0.069 | 0.007 | 0.866 | 0.122 | 0.445 | 0.070 | 0.019 | **1.018** | 0.144 | 0.521 | 0.059 | 0.028 | 1.000 | 0.141 | 0.512 |
| 86 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 1.016 | 0.050 | 0.005 | 0.627 | 0.089 | 0.324 | 0.072 | 0.017 | **1.016** | 0.143 | 0.520 | 0.054 | 0.007 | 0.698 | 0.099 | 0.360 |
| 87 | MD | Brandon Shores | 602 | 2 | D006022 | 1.005 | 0.012 | 0.017 | 0.332 | 0.047 | 0.173 | 0.015 | 0.071 | **1.005** | 0.142 | 0.515 | 0.017 | 0.021 | 0.440 | 0.062 | 0.229 |
| 88 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.990 | 0.039 | 0.013 | 0.599 | 0.085 | 0.310 | 0.051 | 0.035 | 0.990 | 0.140 | 0.507 | 0.027 | 0.017 | 0.500 | 0.071 | 0.260 |
| 89 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 0.986 | 0.075 | 0.011 | 0.986 | 0.139 | 0.505 | | | | | | | | | | |
| 90 | DE | Indian River | 594 | 4 | D005944 | 0.978 | 0.019 | 0.003 | 0.250 | 0.035 | 0.130 | 0.078 | 0.007 | 0.978 | 0.138 | 0.501 | 0.015 | 0.002 | 0.194 | 0.028 | 0.101 |
| 91 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.975 | 0.034 | 0.009 | 0.498 | 0.070 | 0.258 | 0.070 | 0.014 | 0.961 | 0.136 | 0.493 | 0.064 | 0.021 | 0.975 | 0.138 | 0.500 |
| 92 | IA | George Neal South | | 4 | D073434 | 0.970 | 0.029 | 0.009 | 0.433 | 0.061 | 0.225 | 0.054 | 0.013 | 0.764 | 0.108 | 0.394 | 0.063 | 0.021 | 0.970 | 0.137 | 0.497 |
| 93 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.967 | 0.054 | 0.030 | 0.967 | 0.137 | 0.496 | 0.040 | 0.024 | 0.740 | 0.105 | 0.382 | 0.041 | 0.006 | 0.539 | 0.076 | 0.279 |
| 94 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 0.965 | 0.067 | 0.010 | 0.883 | 0.125 | 0.454 | 0.067 | 0.017 | 0.965 | 0.136 | 0.495 | 0.042 | 0.009 | 0.587 | 0.083 | 0.304 |
| 95 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 0.963 | 0.070 | 0.005 | 0.855 | 0.121 | 0.439 | 0.066 | 0.013 | 0.906 | 0.128 | 0.465 | 0.073 | 0.011 | 0.963 | 0.136 | 0.494 |
| 96 | MD | Brandon Shores | 602 | 1 | D006021 | 0.959 | 0.012 | 0.016 | 0.323 | 0.046 | 0.169 | 0.016 | 0.067 | 0.959 | 0.135 | 0.492 | 0.017 | 0.020 | 0.429 | 0.061 | 0.223 |
| 97 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.957 | 0.062 | 0.002 | 0.733 | 0.104 | 0.378 | 0.049 | 0.003 | 0.582 | 0.082 | 0.301 | 0.081 | 0.003 | 0.957 | 0.135 | 0.491 |
| 98 | PA | Sunbury | | 4 | D031524 | 0.952 | 0.079 | 0.001 | 0.915 | 0.129 | 0.470 | 0.055 | 0.007 | 0.700 | 0.099 | 0.361 | 0.077 | 0.006 | 0.952 | 0.134 | 0.488 |
| 99 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 0.945 | 0.066 | 0.016 | 0.945 | 0.133 | 0.485 | 0.051 | 0.028 | 0.907 | 0.128 | 0.466 | 0.040 | 0.017 | 0.653 | 0.092 | 0.338 |
| 100 | KY | Ghent | 1356 | 3,4 … (2,3) | D01356C02 | 0.938 | 0.036 | 0.009 | 0.514 | 0.073 | 0.266 | 0.044 | 0.037 | 0.938 | 0.132 | 0.481 | 0.037 | 0.013 | 0.577 | 0.082 | 0.299 |
| 101 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.937 | 0.052 | 0.006 | 0.664 | 0.094 | 0.343 | 0.067 | 0.010 | 0.888 | 0.126 | 0.456 | 0.064 | 0.018 | 0.937 | 0.132 | 0.481 |
| 102 | SC | Canadys Steam | | CAN3 | D03280CN3 | 0.935 | 0.078 | 0.004 | 0.935 | 0.132 | 0.480 | 0.024 | 0.003 | 0.312 | 0.044 | 0.162 | 0.026 | 0.003 | 0.337 | 0.048 | 0.176 |
| 103 | NC | L V Sutton | | 3 | D027133 | 0.935 | 0.042 | 0.006 | 0.556 | 0.079 | 0.288 | 0.069 | 0.013 | 0.935 | 0.132 | 0.480 | 0.034 | 0.010 | 0.509 | 0.072 | 0.264 |
| 104 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 0.919 | 0.077 | 0.003 | 0.919 | 0.130 | 0.472 | 0.031 | 0.006 | 0.422 | 0.060 | 0.220 | 0.040 | 0.003 | 0.491 | 0.070 | 0.255 |
| 105 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 0.915 | 0.067 | 0.005 | 0.823 | 0.116 | 0.424 | 0.060 | 0.013 | 0.839 | 0.119 | 0.432 | 0.070 | 0.010 | 0.915 | 0.129 | 0.470 |
| 106 | KY | Paradise | 1378 | 3 | D013783 | 0.910 | 0.036 | 0.039 | 0.861 | 0.122 | 0.443 | 0.022 | 0.056 | 0.910 | 0.129 | 0.467 | 0.027 | 0.037 | 0.744 | 0.105 | 0.383 |
| 107 | OH | J M Stuart | 2850 | 4 | D028404 | 0.900 | 0.031 | 0.007 | 0.432 | 0.061 | 0.225 | 0.050 | 0.028 | 0.900 | 0.127 | 0.462 | 0.027 | 0.010 | 0.426 | 0.060 | 0.221 |
| 108 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 0.897 | 0.065 | 0.013 | 0.897 | 0.127 | 0.461 | | | | | | | | | | |
| 109 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.873 | 0.074 | 0.002 | 0.873 | 0.123 | 0.449 | 0.051 | 0.004 | 0.618 | 0.087 | 0.320 | 0.061 | 0.003 | 0.731 | 0.103 | 0.377 |
| 110 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.873 | 0.073 | 0.003 | 0.873 | 0.123 | 0.448 | 0.022 | 0.003 | 0.280 | 0.040 | 0.146 | 0.029 | 0.003 | 0.369 | 0.052 | 0.192 |
| 111 | PA | Portland | | 2 (1) | d031131 | 0.862 | 0.040 | 0.003 | 0.494 | 0.070 | 0.256 | 0.065 | 0.010 | 0.862 | 0.122 | 0.443 | 0.051 | 0.008 | 0.674 | 0.095 | 0.348 |
| 112 | NH | Schiller | 2367 | 6 | | 0.839 | 0.026 | 0.008 | 0.391 | 0.055 | 0.204 | 0.043 | 0.030 | 0.839 | 0.119 | 0.432 | 0.028 | 0.020 | 0.556 | 0.079 | 0.288 |
| 113 | GA | Scherer | | 4 | D062574 | 0.837 | 0.070 | 0.003 | 0.837 | 0.118 | 0.431 | 0.022 | 0.006 | 0.319 | 0.045 | 0.166 | 0.051 | 0.006 | 0.658 | 0.093 | 0.340 |
| 114 | TX | Big Brown | 3497 | 2 | | 0.828 | 0.069 | 0.004 | 0.828 | 0.117 | 0.426 | 0.065 | 0.001 | 0.754 | 0.107 | 0.388 | 0.041 | 0.001 | 0.471 | 0.067 | 0.244 |
| 115 | NH | Schiller | 2367 | 4 | | 0.827 | 0.026 | 0.008 | 0.386 | 0.055 | 0.201 | 0.042 | 0.029 | 0.827 | 0.117 | 0.426 | 0.028 | 0.020 | 0.549 | 0.078 | 0.284 |
| 116 | SC | Jefferies | 3319 | 4 | | 0.826 | 0.067 | 0.005 | 0.826 | 0.117 | 0.425 | 0.034 | 0.005 | 0.443 | 0.063 | 0.230 | 0.018 | 0.004 | 0.250 | 0.035 | 0.131 |
| 117 | SC | Jefferies | 3319 | 3 | | 0.824 | 0.067 | 0.005 | 0.824 | 0.117 | 0.424 | 0.034 | 0.005 | 0.443 | 0.063 | 0.230 | 0.019 | 0.004 | 0.264 | 0.038 | 0.138 |
| 118 | GA | Scherer | | 1 | D062571 | 0.816 | 0.068 | 0.004 | 0.816 | 0.115 | 0.420 | 0.022 | 0.006 | 0.316 | 0.045 | 0.165 | 0.049 | 0.007 | 0.637 | 0.090 | 0.330 |
| 119 | GA | Scherer | | 2 | D062572 | 0.812 | 0.068 | 0.003 | 0.812 | 0.115 | 0.418 | 0.022 | 0.006 | 0.310 | 0.044 | 0.162 | 0.049 | 0.006 | 0.630 | 0.089 | 0.326 |
| 120 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.809 | 0.068 | 0.003 | 0.809 | 0.114 | 0.417 | 0.047 | 0.004 | 0.577 | 0.082 | 0.299 | 0.056 | 0.003 | 0.680 | 0.096 | 0.351 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | PA | Sunbury | | 3 | D031523 | 0.799 | 0.068 | 0.002 | 0.799 | 0.113 | 0.411 | 0.047 | 0.007 | 0.608 | 0.086 | 0.315 | 0.064 | 0.006 | 0.793 | 0.112 | 0.409 |
| 122 | KY | Paradise | 1378 | 2 | D013782 | 0.791 | 0.062 | 0.007 | 0.791 | 0.112 | 0.407 | 0.042 | 0.007 | 0.563 | 0.080 | 0.292 | 0.045 | 0.007 | 0.594 | 0.084 | 0.308 |
| 123 | TX | Big Brown | 3497 | 1 | | 0.790 | 0.066 | 0.004 | 0.790 | 0.112 | 0.407 | 0.062 | 0.001 | 0.718 | 0.102 | 0.370 | 0.039 | 0.001 | 0.449 | 0.064 | 0.233 |
| 124 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.787 | 0.067 | 0.002 | 0.787 | 0.111 | 0.405 | 0.045 | 0.002 | 0.540 | 0.077 | 0.280 | 0.057 | 0.003 | 0.687 | 0.097 | 0.355 |
| 125 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 0.785 | 0.037 | 0.005 | 0.485 | 0.069 | 0.252 | 0.047 | 0.021 | 0.785 | 0.111 | 0.404 | 0.050 | 0.006 | 0.644 | 0.091 | 0.333 |
| 126 | GA | Yates | | Y7BR | D00728Y7R | 0.781 | 0.062 | 0.002 | 0.737 | 0.104 | 0.380 | 0.033 | 0.004 | 0.417 | 0.059 | 0.217 | 0.063 | 0.005 | 0.781 | 0.110 | 0.402 |
| 127 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.770 | 0.033 | 0.007 | 0.458 | 0.065 | 0.238 | 0.037 | 0.030 | 0.770 | 0.109 | 0.397 | 0.030 | 0.010 | 0.468 | 0.066 | 0.243 |
| 128 | MO | New Madrid Power Plant | | 1 | D021671 | 0.765 | 0.025 | 0.041 | 0.765 | 0.108 | 0.394 | | | | | | | | | | |
| 129 | MO | Labadie | | 4 | D021034 | 0.764 | 0.029 | 0.006 | 0.400 | 0.057 | 0.208 | 0.062 | 0.005 | 0.764 | 0.108 | 0.394 | 0.048 | 0.006 | 0.614 | 0.087 | 0.318 |
| 130 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.764 | 0.038 | 0.007 | 0.514 | 0.073 | 0.267 | 0.050 | 0.015 | 0.741 | 0.105 | 0.382 | 0.044 | 0.023 | 0.764 | 0.108 | 0.394 |
| 131 | VA | Chesapeake Energy Center | | 4 | D038034 | 0.757 | 0.041 | 0.013 | 0.623 | 0.088 | 0.322 | 0.039 | 0.008 | 0.537 | 0.076 | 0.278 | 0.057 | 0.009 | 0.757 | 0.107 | 0.390 |
| 132 | WV | Albright Power Station | 3942 | 3 | D039423 | 0.749 | 0.061 | 0.002 | 0.728 | 0.103 | 0.376 | 0.050 | 0.013 | 0.728 | 0.103 | 0.376 | 0.062 | 0.004 | 0.749 | 0.106 | 0.386 |
| 133 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 0.746 | 0.050 | 0.015 | 0.746 | 0.105 | 0.384 | | | | | | | | | | |
| 134 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 0.735 | 0.057 | 0.007 | 0.735 | 0.104 | 0.379 | 0.022 | 0.006 | 0.322 | 0.046 | 0.168 | 0.042 | 0.009 | 0.575 | 0.081 | 0.298 |
| 135 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.727 | 0.047 | 0.010 | 0.651 | 0.092 | 0.337 | 0.046 | 0.017 | 0.727 | 0.103 | 0.375 | 0.029 | 0.009 | 0.439 | 0.062 | 0.228 |
| 136 | KY | Paradise | 1378 | 1 | D01720C09 | 0.699 | 0.054 | 0.007 | 0.699 | 0.099 | 0.361 | 0.037 | 0.007 | 0.499 | 0.071 | 0.259 | 0.040 | 0.006 | 0.526 | 0.075 | 0.273 |
| 137 | NJ | B L England | 2378 | 2,3 | x12 | 0.693 | 0.017 | 0.022 | 0.454 | 0.064 | 0.236 | 0.034 | 0.026 | 0.693 | 0.098 | 0.358 | 0.020 | 0.013 | 0.376 | 0.053 | 0.196 |
| 138 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 0.677 | 0.035 | 0.024 | 0.677 | 0.096 | 0.350 | | | | | | | | | | |
| 139 | IN | Gibson | 6113 | 5 | D061135 | 0.670 | 0.041 | 0.018 | 0.670 | 0.095 | 0.346 | | | | | | | | | | |
| 140 | KS | La Cygne | | 2 | D012412 | 0.666 | 0.043 | 0.015 | 0.666 | 0.094 | 0.344 | 0.041 | 0.015 | 0.634 | 0.090 | 0.328 | 0.036 | 0.016 | 0.596 | 0.084 | 0.308 |
| 141 | PA | Sunbury | | 1A, 1B | D03152CS1 | 0.660 | 0.056 | 0.001 | 0.649 | 0.092 | 0.335 | 0.038 | 0.005 | 0.496 | 0.070 | 0.257 | 0.053 | 0.005 | 0.660 | 0.093 | 0.341 |
| 142 | AR | White Bluff | | 1 | D060091 | 0.647 | 0.038 | 0.019 | 0.647 | 0.092 | 0.334 | | | | | | | | | | |
| 143 | IN | Gibson | 6113 | 4 | D061135 | 0.646 | 0.014 | 0.042 | 0.646 | 0.091 | 0.334 | | | | | | | | | | |
| 144 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.645 | 0.012 | 0.020 | 0.373 | 0.053 | 0.194 | 0.009 | 0.018 | 0.314 | 0.044 | 0.163 | 0.020 | 0.035 | 0.645 | 0.091 | 0.333 |
| 145 | TX | Martin Lake | 6146 | 1 | | 0.643 | 0.049 | 0.007 | 0.643 | 0.091 | 0.333 | 0.046 | 0.002 | 0.553 | 0.078 | 0.287 | 0.029 | 0.002 | 0.347 | 0.049 | 0.181 |
| 146 | AR | White Bluff | | 2 | D060092 | 0.643 | 0.036 | 0.020 | 0.643 | 0.091 | 0.332 | | | | | | | | | | |
| 147 | MA | Canal Station | 1599 | 1 | D015991 | 0.635 | 0.039 | 0.011 | 0.572 | 0.081 | 0.296 | 0.037 | 0.018 | 0.635 | 0.090 | 0.328 | 0.025 | 0.007 | 0.368 | 0.052 | 0.192 |
| 148 | MO | New Madrid Power Plant | | 2 | D021672 | 0.630 | 0.024 | 0.030 | 0.630 | 0.089 | 0.326 | | | | | | | | | | |
| 149 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 0.624 | 0.052 | 0.003 | 0.624 | 0.088 | 0.323 | | | | | | | | | | |
| 150 | NE | Nebraska City Station | | 1 | D060961 | 0.624 | 0.041 | 0.013 | 0.624 | 0.088 | 0.322 | | | | | | | | | | |
| 151 | IN | Merom | | 2SG1 | D062132G1 | 0.614 | 0.051 | 0.003 | 0.614 | 0.087 | 0.318 | | | | | | | | | | |
| 152 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.612 | 0.047 | 0.006 | 0.612 | 0.087 | 0.316 | 0.035 | 0.013 | 0.555 | 0.079 | 0.288 | 0.030 | 0.009 | 0.443 | 0.063 | 0.230 |
| 153 | TX | Martin Lake | 6146 | 2 | | 0.592 | 0.046 | 0.006 | 0.592 | 0.084 | 0.306 | 0.043 | 0.002 | 0.515 | 0.073 | 0.267 | 0.027 | 0.001 | 0.323 | 0.046 | 0.168 |
| 154 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 0.584 | 0.047 | 0.005 | 0.584 | 0.083 | 0.302 | | | | | | | | | | |
| 155 | OH | Eastlake | 2837 | 1 | D028371 | 0.581 | 0.045 | 0.006 | 0.581 | 0.082 | 0.301 | | | | | | | | | | |
| 156 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.580 | 0.043 | 0.008 | 0.580 | 0.082 | 0.300 | | | | | | | | | | |
| 157 | MA | Brayton Point | 1619 | 4 | x07 | 0.575 | 0.031 | 0.012 | 0.490 | 0.069 | 0.255 | 0.030 | 0.020 | 0.575 | 0.081 | 0.298 | 0.025 | 0.020 | 0.510 | 0.072 | 0.264 |
| 158 | SC | H B Robinson | | 1 | D032511 | 0.575 | 0.045 | 0.006 | 0.575 | 0.081 | 0.297 | 0.015 | 0.005 | 0.229 | 0.033 | 0.120 | 0.022 | 0.009 | 0.360 | 0.051 | 0.187 |
| 159 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 0.572 | 0.013 | 0.036 | 0.572 | 0.081 | 0.296 | | | | | | | | | | |
| 160 | OK | Grand River Dam Authority | | 1 | D001651 | 0.559 | 0.036 | 0.012 | 0.559 | 0.079 | 0.289 | 0.027 | 0.010 | 0.428 | 0.061 | 0.223 | 0.030 | 0.003 | 0.374 | 0.053 | 0.194 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | OH | Eastlake | 2837 | 2 | D028372 | 0.556 | 0.043 | 0.005 | 0.556 | 0.079 | 0.288 | | | | | | | | | | |
| 162 | VA | Chesapeake Energy Center | | 3 | D038033 | 0.553 | 0.029 | 0.013 | 0.483 | 0.068 | 0.250 | 0.027 | 0.008 | 0.399 | 0.057 | 0.207 | 0.039 | 0.009 | 0.553 | 0.078 | 0.286 |
| 163 | MI | River Rouge | | 3 | D017403 | 0.553 | 0.037 | 0.011 | 0.553 | 0.078 | 0.286 | | | | | | | | | | |
| 164 | KY | Mill Creek | 1364 | 4 | D013644 | 0.551 | 0.044 | 0.005 | 0.551 | 0.078 | 0.285 | 0.033 | 0.009 | 0.478 | 0.068 | 0.248 | 0.027 | 0.005 | 0.371 | 0.053 | 0.193 |
| 165 | TX | Martin Lake | 6146 | 3 | | 0.550 | 0.042 | 0.006 | 0.550 | 0.078 | 0.285 | 0.040 | 0.002 | 0.473 | 0.067 | 0.246 | 0.025 | 0.001 | 0.297 | 0.042 | 0.155 |
| 166 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 0.549 | 0.031 | 0.017 | 0.549 | 0.078 | 0.284 | | | | | | | | | | |
| 167 | IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 0.545 | 0.043 | 0.005 | 0.545 | 0.077 | 0.283 | | | | | | | | | | |
| 168 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.540 | 0.011 | 0.007 | 0.198 | 0.028 | 0.104 | 0.012 | 0.018 | 0.353 | 0.050 | 0.184 | 0.018 | 0.029 | 0.540 | 0.076 | 0.280 |
| 169 | OH | Cardinal | 2828 | 1 | D028281 | 0.537 | 0.043 | 0.004 | 0.537 | 0.076 | 0.279 | | | | | | | | | | |
| 170 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 0.532 | 0.044 | 0.003 | 0.532 | 0.075 | 0.276 | 0.035 | 0.008 | 0.491 | 0.070 | 0.255 | 0.039 | 0.005 | 0.498 | 0.071 | 0.258 |
| 171 | MA | Salem Harbor Station | 1626 | 1 | | 0.525 | 0.016 | 0.010 | 0.299 | 0.042 | 0.156 | 0.026 | 0.019 | 0.525 | 0.074 | 0.272 | 0.025 | 0.016 | 0.469 | 0.066 | 0.243 |
| 172 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 0.520 | 0.043 | 0.003 | 0.520 | 0.074 | 0.269 | 0.034 | 0.008 | 0.482 | 0.068 | 0.250 | 0.038 | 0.005 | 0.487 | 0.069 | 0.253 |
| 173 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.516 | 0.037 | 0.008 | 0.516 | 0.073 | 0.267 | 0.026 | 0.004 | 0.350 | 0.050 | 0.182 | 0.035 | 0.007 | 0.474 | 0.067 | 0.246 |
| 174 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 0.515 | 0.035 | 0.010 | 0.515 | 0.073 | 0.267 | 0.028 | 0.005 | 0.369 | 0.052 | 0.192 | 0.031 | 0.008 | 0.453 | 0.064 | 0.236 |
| 175 | MO | Rush Island | | 1 | D061551 | 0.503 | 0.040 | 0.004 | 0.503 | 0.071 | 0.261 | | | | | | | | | | |
| 176 | MO | Rush Island | | 2 | D061552 | 0.500 | 0.040 | 0.004 | 0.500 | 0.071 | 0.259 | | | | | | | | | | |
| 177 | NC | L V Sutton | | 1, 2 | D02713C02 | 0.499 | 0.025 | 0.004 | 0.328 | 0.046 | 0.171 | 0.039 | 0.005 | 0.499 | 0.071 | 0.259 | 0.021 | 0.006 | 0.304 | 0.043 | 0.158 |
| 178 | IL | Newton | | 2 | D060172 | 0.497 | 0.039 | 0.004 | 0.497 | 0.070 | 0.258 | | | | | | | | | | |
| 179 | MA | Canal Station | 1599 | 2 | D015992 | 0.496 | 0.025 | 0.015 | 0.460 | 0.065 | 0.239 | 0.020 | 0.023 | 0.496 | 0.070 | 0.257 | 0.018 | 0.011 | 0.336 | 0.048 | 0.175 |
| 180 | AR | Independence | | 1 | D066411 | 0.484 | 0.027 | 0.015 | 0.484 | 0.069 | 0.251 | | | | | | | | | | |
| 181 | NC | Cape Fear | 2708 | 6 | | 0.483 | 0.034 | 0.008 | 0.483 | 0.068 | 0.250 | 0.023 | 0.005 | 0.313 | 0.044 | 0.163 | 0.027 | 0.012 | 0.445 | 0.063 | 0.231 |
| 182 | OH | Eastlake | 2837 | 3 | D028373 | 0.483 | 0.037 | 0.005 | 0.483 | 0.068 | 0.250 | | | | | | | | | | |
| 183 | TX | Monticello | 6147 | 1 | | 0.481 | 0.039 | 0.004 | 0.481 | 0.068 | 0.249 | 0.036 | 0.001 | 0.427 | 0.060 | 0.222 | 0.023 | 0.001 | 0.267 | 0.038 | 0.139 |
| 184 | AR | Independence | | 2 | D066412 | 0.466 | 0.027 | 0.013 | 0.466 | 0.066 | 0.242 | | | | | | | | | | |
| 185 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.463 | 0.035 | 0.005 | 0.463 | 0.066 | 0.240 | | | | | | | | | | |
| 186 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 0.462 | 0.031 | 0.009 | 0.462 | 0.065 | 0.240 | | | | | | | | | | |
| 187 | OK | Muskogee | 2952 | 4 | | 0.461 | 0.030 | 0.011 | 0.461 | 0.065 | 0.240 | | | | | | | | | | |
| 188 | VA | Bremo Power Station | | 4 | D037964 | 0.459 | 0.034 | 0.003 | 0.427 | 0.060 | 0.222 | 0.021 | 0.007 | 0.313 | 0.044 | 0.163 | 0.034 | 0.006 | 0.459 | 0.065 | 0.238 |
| 189 | MN | Sherburne County | | 3 | D060903 | 0.458 | 0.026 | 0.014 | 0.458 | 0.065 | 0.238 | | | | | | | | | | |
| 190 | KS | Nearman Creek | 6064 | N1 | | 0.456 | 0.024 | 0.016 | 0.456 | 0.065 | 0.237 | | | | | | | | | | |
| 191 | TX | Monticello | 6147 | 2 | | 0.450 | 0.036 | 0.003 | 0.450 | 0.064 | 0.234 | | | | | | | | | | |
| 192 | KY | D B Wilson | | W1 | D06823W1 | 0.449 | 0.036 | 0.003 | 0.449 | 0.064 | 0.233 | | | | | | | | | | |
| 193 | KY | Green River | | 5 | D013575 | 0.441 | 0.036 | 0.002 | 0.441 | 0.063 | 0.229 | | | | | | | | | | |
| 194 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 0.439 | 0.034 | 0.005 | 0.439 | 0.062 | 0.228 | | | | | | | | | | |
| 195 | TX | Monticello | 6147 | 3 | | 0.434 | 0.032 | 0.006 | 0.434 | 0.061 | 0.225 | | | | | | | | | | |
| 196 | OK | Muskogee | | 5 | D029525 | 0.424 | 0.028 | 0.009 | 0.424 | 0.060 | 0.220 | | | | | | | | | | |
| 197 | TX | Limestone | 298 | LIM2 | | 0.422 | 0.027 | 0.010 | 0.422 | 0.060 | 0.219 | | | | | | | | | | |
| 198 | MI | Monroe | 1733 | 3,4 | D01733C34 | 0.422 | 0.019 | 0.018 | 0.422 | 0.060 | 0.219 | | | | | | | | | | |
| 199 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.420 | 0.036 | 0.001 | 0.420 | 0.060 | 0.218 | | | | | | | | | | |
| 200 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 0.418 | 0.028 | 0.009 | 0.418 | 0.059 | 0.217 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.413 | 0.030 | 0.006 | 0.413 | 0.059 | 0.215 | | | | | | | | | | |
| 202 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 0.406 | 0.021 | 0.014 | 0.406 | 0.058 | 0.211 | | | | | | | | | | |
| 203 | OH | Cardinal | 2828 | 2 | D028282 | 0.405 | 0.031 | 0.004 | 0.405 | 0.057 | 0.210 | | | | | | | | | | |
| 204 | OK | Sooner | 6095 | 1 | | 0.396 | 0.024 | 0.010 | 0.396 | 0.056 | 0.206 | | | | | | | | | | |
| 205 | NC | Riverbend | 2732 | 9 | | 0.394 | 0.034 | 0.001 | 0.394 | 0.056 | 0.205 | | | | | | | | | | |
| 206 | MO | Labadie | | 3 | D021033 | 0.393 | 0.028 | 0.006 | 0.393 | 0.056 | 0.204 | | | | | | | | | | |
| 207 | TX | Limestone | 298 | LIM1 | | 0.392 | 0.025 | 0.009 | 0.392 | 0.056 | 0.204 | | | | | | | | | | |
| 208 | OK | Hugo | | 1 | D067721 | 0.392 | 0.031 | 0.003 | 0.392 | 0.056 | 0.204 | | | | | | | | | | |
| 209 | OK | Sooner | | 2 | D060952 | 0.391 | 0.023 | 0.011 | 0.391 | 0.055 | 0.203 | | | | | | | | | | |
| 210 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 0.387 | 0.030 | 0.004 | 0.387 | 0.055 | 0.201 | | | | | | | | | | |
| 211 | MO | Labadie | | 1 | D021031 | 0.381 | 0.028 | 0.006 | 0.381 | 0.054 | 0.198 | | | | | | | | | | |
| 212 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.381 | 0.014 | 0.019 | 0.381 | 0.054 | 0.198 | 0.014 | 0.011 | 0.289 | 0.041 | 0.151 | | | | | |
| 213 | IA | Louisa | | 101 | D06664101 | 0.381 | 0.021 | 0.012 | 0.381 | 0.054 | 0.198 | | | | | | | | | | |
| 214 | KY | Green River | | 4 | D013574 | 0.375 | 0.031 | 0.002 | 0.375 | 0.053 | 0.195 | | | | | | | | | | |
| 215 | WV | John E Amos | 3935 | 3 | D039353 | 0.374 | 0.017 | 0.015 | 0.374 | 0.053 | 0.195 | | | | | | | | | | |
| 216 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 0.363 | 0.019 | 0.012 | 0.363 | 0.052 | 0.189 | | | | | | | | | | |
| 217 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.358 | 0.024 | 0.007 | 0.358 | 0.051 | 0.186 | | | | | | | | | | |
| 218 | WV | Longview Power | 56671 | 1 | | 0.353 | 0.028 | 0.003 | 0.353 | 0.050 | 0.184 | | | | | | | | | | |
| 219 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 0.349 | 0.026 | 0.004 | 0.349 | 0.050 | 0.182 | | | | | | | | | | |
| 220 | VA | Chesapeake Energy Center | | 2 | D038032 | 0.348 | 0.018 | 0.008 | 0.302 | 0.043 | 0.158 | 0.019 | 0.005 | 0.283 | 0.040 | 0.148 | 0.025 | 0.005 | 0.348 | 0.049 | 0.181 |
| 221 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 0.346 | 0.025 | 0.005 | 0.346 | 0.049 | 0.180 | | | | | | | | | | |
| 222 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.340 | 0.010 | 0.020 | 0.340 | 0.048 | 0.177 | | | | | | | | | | |
| 223 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.340 | 0.022 | 0.007 | 0.340 | 0.048 | 0.177 | 0.008 | 0.005 | 0.157 | 0.022 | 0.082 | 0.015 | 0.010 | 0.279 | 0.040 | 0.146 |
| 224 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.334 | 0.020 | 0.009 | 0.334 | 0.047 | 0.174 | 0.007 | 0.007 | 0.164 | 0.023 | 0.086 | 0.013 | 0.012 | 0.290 | 0.041 | 0.151 |
| 225 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 0.333 | 0.019 | 0.010 | 0.333 | 0.047 | 0.173 | | | | | | | | | | |
| 226 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 0.330 | 0.018 | 0.011 | 0.330 | 0.047 | 0.172 | | | | | | | | | | |
| 227 | PA | Shawville | 3131 | 1 | D031311 | 0.324 | 0.025 | 0.003 | 0.324 | 0.046 | 0.169 | | | | | | | | | | |
| 228 | PA | Shawville | 3131 | 2 | D031312 | 0.319 | 0.025 | 0.003 | 0.319 | 0.045 | 0.166 | | | | | | | | | | |
| 229 | OH | W H Sammis | 2866 | 7 | D028667 | 0.314 | 0.013 | 0.014 | 0.314 | 0.045 | 0.164 | | | | | | | | | | |
| 230 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.314 | 0.017 | 0.010 | 0.314 | 0.045 | 0.164 | | | | | | | | | | |
| 231 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 0.311 | 0.020 | 0.007 | 0.311 | 0.044 | 0.162 | | | | | | | | | | |
| 232 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.310 | 0.022 | 0.005 | 0.310 | 0.044 | 0.162 | | | | | | | | | | |
| 233 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.306 | 0.020 | 0.007 | 0.306 | 0.043 | 0.160 | | | | | | | | | | |
| 234 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.305 | 0.023 | 0.004 | 0.305 | 0.043 | 0.159 | | | | | | | | | | |
| 235 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.302 | 0.023 | 0.004 | 0.302 | 0.043 | 0.158 | | | | | | | | | | |
| 236 | WI | Nelson Dewey | 4054 | 2 | | 0.301 | 0.022 | 0.004 | 0.301 | 0.043 | 0.157 | | | | | | | | | | |
| 237 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 0.300 | 0.010 | 0.016 | 0.300 | 0.043 | 0.157 | | | | | | | | | | |
| 238 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.299 | 0.016 | 0.010 | 0.299 | 0.042 | 0.156 | | | | | | | | | | |
| 239 | NC | Roxboro | 2712 | 2 | D027122 | 0.297 | 0.020 | 0.005 | 0.297 | 0.042 | 0.155 | | | | | | | | | | |
| 240 | ME | William F Wyman | 1507 | 3 | | 0.294 | 0.016 | 0.010 | 0.294 | 0.042 | 0.153 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | OH | W H Sammis | 2866 | 6 | D02866M6A | 0.292 | 0.014 | 0.012 | 0.292 | 0.041 | 0.152 | | | | | | | | | | |
| 242 | IN | Cayuga | 1001 | 2 | D010012 | 0.290 | 0.014 | 0.011 | 0.290 | 0.041 | 0.151 | | | | | | | | | | |
| 243 | OH | Conesville | 2840 | 4 | D028504 | 0.285 | 0.020 | 0.005 | 0.285 | 0.040 | 0.149 | | | | | | | | | | |
| 244 | SC | McMeekin | | MCM2 | D03287MM2 | 0.284 | 0.024 | 0.001 | 0.284 | 0.040 | 0.148 | | | | | | | | | | |
| 245 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 0.282 | 0.020 | 0.004 | 0.282 | 0.040 | 0.147 | | | | | | | | | | |
| 246 | OH | Miami Fort Power Station | | 8 | D028328 | 0.282 | 0.018 | 0.007 | 0.282 | 0.040 | 0.147 | | | | | | | | | | |
| 247 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 0.279 | 0.009 | 0.015 | 0.279 | 0.040 | 0.146 | | | | | | | | | | |
| 248 | WI | Edgewater (4050) | 4050 | 5 | | 0.276 | 0.019 | 0.005 | 0.276 | 0.039 | 0.144 | | | | | | | | | | |
| 249 | KS | La Cygne | 1241 | 1 | | 0.276 | 0.020 | 0.005 | 0.276 | 0.039 | 0.144 | 0.018 | 0.003 | 0.238 | 0.034 | 0.124 | 0.017 | 0.005 | 0.251 | 0.036 | 0.131 |
| 250 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 0.274 | 0.009 | 0.015 | 0.274 | 0.039 | 0.143 | | | | | | | | | | |
| 251 | VA | Chesapeake Energy Center | | 1 | D038031 | 0.273 | 0.013 | 0.009 | 0.252 | 0.036 | 0.132 | 0.014 | 0.006 | 0.226 | 0.032 | 0.118 | 0.018 | 0.006 | 0.273 | 0.039 | 0.143 |
| 252 | SC | McMeekin | | MCM1 | D03287MM1 | 0.272 | 0.023 | 0.001 | 0.272 | 0.039 | 0.142 | | | | | | | | | | |
| 253 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.269 | 0.019 | 0.005 | 0.269 | 0.038 | 0.140 | | | | | | | | | | |
| 254 | IA | George Neal North | | 3 | D010913 | 0.266 | 0.015 | 0.008 | 0.266 | 0.038 | 0.139 | | | | | | | | | | |
| 255 | CT | Middletown | 562 | 4 | | 0.265 | 0.007 | 0.016 | 0.265 | 0.038 | 0.139 | | | | | | | | | | |
| 256 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 0.265 | 0.015 | 0.008 | 0.265 | 0.038 | 0.138 | | | | | | | | | | |
| 257 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.264 | 0.018 | 0.005 | 0.264 | 0.037 | 0.138 | | | | | | | | | | |
| 258 | IN | Cayuga | 1001 | 1 | D010011 | 0.259 | 0.012 | 0.010 | 0.259 | 0.037 | 0.135 | | | | | | | | | | |
| 259 | IL | Marion | | 4 | D009764 | 0.253 | 0.017 | 0.005 | 0.253 | 0.036 | 0.132 | | | | | | | | | | |
| 260 | NC | Marshall | 2727 | 1,2 | x11 | 0.251 | 0.014 | 0.007 | 0.251 | 0.036 | 0.131 | | | | | | | | | | |
| 261 | IL | Joliet 29 | | 81, 82 | D00384C82 | 0.244 | 0.017 | 0.004 | 0.244 | 0.035 | 0.128 | | | | | | | | | | |
| 262 | TX | Welsh Power Plant | 6139 | 3 | | 0.239 | 0.015 | 0.005 | 0.239 | 0.034 | 0.125 | | | | | | | | | | |
| 263 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.238 | 0.017 | 0.003 | 0.238 | 0.034 | 0.124 | | | | | | | | | | |
| 264 | TX | Welsh Power Plant | 6139 | 1 | | 0.225 | 0.015 | 0.005 | 0.225 | 0.032 | 0.117 | | | | | | | | | | |
| 265 | NC | Marshall | 2727 | 4 | D027274 | 0.223 | 0.012 | 0.008 | 0.223 | 0.032 | 0.117 | | | | | | | | | | |
| 266 | TX | Welsh Power Plant | 6139 | 2 | | 0.222 | 0.015 | 0.004 | 0.222 | 0.031 | 0.116 | | | | | | | | | | |
| 267 | CT | New Haven Harbor | 6156 | NHB1 | | 0.222 | 0.007 | 0.012 | 0.222 | 0.031 | 0.116 | | | | | | | | | | |
| 268 | GA | Yates | | Y5BR | D00728Y5R | 0.216 | 0.018 | 0.001 | 0.216 | 0.031 | 0.113 | | | | | | | | | | |
| 269 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 0.213 | 0.008 | 0.010 | 0.213 | 0.030 | 0.111 | | | | | | | | | | |
| 270 | AL | Greene County | 10 | 1 | | 0.211 | 0.018 | 0.001 | 0.211 | 0.030 | 0.110 | | | | | | | | | | |
| 271 | TN | Cumberland | 3399 | 1 | | 0.209 | 0.014 | 0.005 | 0.209 | 0.030 | 0.109 | | | | | | | | | | |
| 272 | GA | Bowen | 703 | 1BLR | D007031LR | 0.206 | 0.008 | 0.010 | 0.206 | 0.029 | 0.107 | | | | | | | | | | |
| 273 | NC | Roxboro | 2712 | 1 | D027121 | 0.202 | 0.013 | 0.005 | 0.202 | 0.029 | 0.106 | | | | | | | | | | |
| 274 | OH | J M Stuart | 2850 | 3 | D028503 | 0.199 | 0.012 | 0.006 | 0.199 | 0.028 | 0.104 | | | | | | | | | | |
| 275 | OH | W H Sammis | 2866 | 5 | D028665 | 0.196 | 0.005 | 0.011 | 0.196 | 0.028 | 0.102 | | | | | | | | | | |
| 276 | KY | Ghent | 1356 | 1,2 ... (1,4) | D01356C01 | 0.195 | 0.012 | 0.005 | 0.195 | 0.028 | 0.102 | | | | | | | | | | |
| 277 | MO | Sikeston | | 1 | D067681 | 0.193 | 0.012 | 0.005 | 0.193 | 0.027 | 0.101 | | | | | | | | | | |
| 278 | IL | Wood River Power Station | | 5 | D008985 | 0.190 | 0.013 | 0.004 | 0.190 | 0.027 | 0.099 | | | | | | | | | | |
| 279 | GA | Bowen | 703 | 4BLR | D007034LR | 0.189 | 0.004 | 0.012 | 0.189 | 0.027 | 0.099 | | | | | | | | | | |
| 280 | ME | William F Wyman | 1507 | 1 | | 0.184 | 0.008 | 0.008 | 0.184 | 0.026 | 0.096 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | MO | Meramec | | 3 | D021043 | 0.182 | 0.012 | 0.004 | 0.182 | 0.026 | 0.095 | | | | | | | | | | |
| 282 | NY | Northport | 2516 | 3 | D025163 | 0.181 | 0.008 | 0.008 | 0.181 | 0.026 | 0.095 | | | | | | | | | | |
| 283 | ME | William F Wyman | 1507 | 2 | | 0.181 | 0.007 | 0.008 | 0.181 | 0.026 | 0.095 | | | | | | | | | | |
| 284 | OH | J M Stuart | 2850 | 1 | D028501 | 0.178 | 0.011 | 0.004 | 0.178 | 0.025 | 0.093 | | | | | | | | | | |
| 285 | WI | Genoa | 4143 | 1 | | 0.174 | 0.012 | 0.003 | 0.174 | 0.025 | 0.091 | | | | | | | | | | |
| 286 | MD | Morgantown | 1573 | 2 | D015732 | 0.170 | 0.013 | 0.002 | 0.170 | 0.024 | 0.089 | | | | | | | | | | |
| 287 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 0.166 | 0.010 | 0.005 | 0.166 | 0.024 | 0.087 | | | | | | | | | | |
| 288 | KY | East Bend | 6018 | 2 | D060182 | 0.165 | 0.009 | 0.005 | 0.165 | 0.023 | 0.086 | | | | | | | | | | |
| 289 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.164 | 0.011 | 0.004 | 0.164 | 0.023 | 0.086 | | | | | | | | | | |
| 290 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.163 | 0.012 | 0.002 | 0.163 | 0.023 | 0.085 | | | | | | | | | | |
| 291 | GA | Bowen | 703 | 2BLR | D007032LR | 0.160 | 0.004 | 0.010 | 0.160 | 0.023 | 0.084 | | | | | | | | | | |
| 292 | NC | Belews Creek | 8042 | 2 | D080422 | 0.159 | 0.011 | 0.003 | 0.159 | 0.023 | 0.083 | | | | | | | | | | |
| 293 | NC | Marshall | 2727 | 3 | D027273 | 0.159 | 0.012 | 0.002 | 0.159 | 0.023 | 0.083 | | | | | | | | | | |
| 294 | NC | Belews Creek | 8042 | 1 | D080421 | 0.156 | 0.010 | 0.003 | 0.156 | 0.022 | 0.082 | | | | | | | | | | |
| 295 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.151 | 0.008 | 0.005 | 0.151 | 0.021 | 0.079 | | | | | | | | | | |
| 296 | AL | E C Gaston | 26 | 5 | | 0.148 | 0.007 | 0.006 | 0.148 | 0.021 | 0.078 | | | | | | | | | | |
| 297 | OH | J M Stuart | 2850 | 2 | D028502 | 0.141 | 0.007 | 0.006 | 0.141 | 0.020 | 0.074 | | | | | | | | | | |
| 298 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.139 | 0.006 | 0.006 | 0.139 | 0.020 | 0.073 | | | | | | | | | | |
| 299 | KS | Quindaro | 1295 | 2 | | 0.126 | 0.007 | 0.004 | 0.126 | 0.018 | 0.066 | | | | | | | | | | |
| 300 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.110 | 0.003 | 0.006 | 0.110 | 0.016 | 0.058 | | | | | | | | | | |
| 301 | NC | Cliffside | 2721 | 5 | D027215 | 0.109 | 0.008 | 0.002 | 0.109 | 0.015 | 0.057 | | | | | | | | | | |
| 302 | GA | Bowen | 703 | 3BLR | D007033LR | 0.104 | 0.004 | 0.005 | 0.104 | 0.015 | 0.054 | | | | | | | | | | |
| 303 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.097 | 0.006 | 0.003 | 0.097 | 0.014 | 0.051 | | | | | | | | | | |
| 304 | DE | Edge Moor | 593 | 5 | D005935 | 0.093 | 0.007 | 0.001 | 0.093 | 0.013 | 0.049 | | | | | | | | | | |
| 305 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.077 | 0.004 | 0.003 | 0.077 | 0.011 | 0.040 | | | | | | | | | | |
| 306 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.069 | 0.003 | 0.003 | 0.069 | 0.010 | 0.036 | | | | | | | | | | |
| 307 | SC | Winyah | 6249 | 1 | D062491 | 0.039 | 0.002 | 0.001 | 0.039 | 0.006 | 0.021 | | | | | | | | | | |
| 308 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.014 | 0.001 | 0.000 | 0.014 | 0.002 | 0.008 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## F.8 2015 EGU Ranking Visibility Impairing Sources to Great Gulf

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 8.928 | 0.415 | 0.028 | 4.952 | 0.701 | 2.380 | 0.640 | 0.132 | 8.928 | 1.199 | 3.859 | 0.455 | 0.100 | 6.415 | 0.873 | 2.906 |
| 2 | PA | Homer City | 3122 | 1 | D031221 | 7.293 | 0.464 | 0.039 | 5.787 | 0.792 | 2.661 | 0.373 | 0.104 | 5.053 | 0.753 | 2.541 | 0.584 | 0.045 | 7.293 | 0.986 | 3.245 |
| 3 | PA | Homer City | 3122 | 2 | D031222 | 6.430 | 0.409 | 0.034 | 5.103 | 0.701 | 2.380 | 0.329 | 0.093 | 4.538 | 0.669 | 2.277 | 0.516 | 0.041 | 6.430 | 0.875 | 2.911 |
| 4 | ME | William F Wyman | 1507 | 4 | D015074 | 4.076 | 0.114 | 0.148 | 2.922 | 0.421 | 1.476 | 0.160 | 0.204 | 4.076 | 0.582 | 2.003 | 0.127 | 0.104 | 2.665 | 0.372 | 1.311 |
| 5 | OH | Muskingum River | 2872 | 5 | D028725 | 3.584 | 0.272 | 0.004 | 3.155 | 0.441 | 1.541 | 0.295 | 0.015 | 3.584 | 0.494 | 1.718 | 0.201 | 0.006 | 2.371 | 0.332 | 1.175 |
| 6 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 3.562 | 0.139 | 0.042 | 2.073 | 0.290 | 1.032 | 0.097 | 0.022 | 1.368 | 0.192 | 0.693 | 0.244 | 0.066 | 3.562 | 0.494 | 1.716 |
| 7 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 2.906 | 0.176 | 0.020 | 2.214 | 0.314 | 1.116 | 0.201 | 0.052 | 2.906 | 0.404 | 1.418 | 0.122 | 0.028 | 1.724 | 0.242 | 0.868 |
| 8 | NH | Merrimack | 2364 | 2 | D023642 | 2.893 | 0.021 | 0.043 | 1.325 | 0.105 | 0.384 | 0.041 | 0.163 | 2.893 | 0.332 | 1.177 | 0.033 | 0.187 | 2.568 | 0.359 | 1.266 |
| 9 | WV | Harrison Power Station | | 1 (25%), 2 (20% | D03944C01 | 2.840 | 0.039 | 0.051 | 1.043 | 0.147 | 0.533 | 0.047 | 0.198 | 2.840 | 0.398 | 1.397 | 0.044 | 0.066 | 1.270 | 0.179 | 0.646 |
| 10 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 2.809 | 0.237 | 0.011 | 2.809 | 0.397 | 1.395 | 0.061 | 0.015 | 0.880 | 0.123 | 0.447 | 0.123 | 0.018 | 1.609 | 0.226 | 0.812 |
| 11 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 2.742 | 0.127 | 0.042 | 1.975 | 0.272 | 0.971 | 0.138 | 0.105 | 2.742 | 0.391 | 1.376 | 0.082 | 0.039 | 1.392 | 0.196 | 0.706 |
| 12 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 2.569 | 0.170 | 0.009 | 2.045 | 0.287 | 1.021 | 0.153 | 0.012 | 1.903 | 0.266 | 0.950 | 0.213 | 0.011 | 2.569 | 0.359 | 1.267 |
| 13 | OH | Killen Station | 6031 | 2 | D060312 | 2.426 | 0.057 | 0.030 | 1.093 | 0.141 | 0.512 | 0.087 | 0.134 | 2.426 | 0.356 | 1.258 | 0.041 | 0.045 | 0.992 | 0.140 | 0.509 |
| 14 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 2.398 | 0.126 | 0.033 | 1.995 | 0.256 | 0.915 | 0.132 | 0.077 | 2.398 | 0.336 | 1.190 | 0.064 | 0.037 | 1.167 | 0.165 | 0.595 |
| 15 | PA | Keystone | 3136 | 1 | D031361 | 2.275 | 0.134 | 0.033 | 1.933 | 0.268 | 0.959 | 0.094 | 0.093 | 1.965 | 0.302 | 1.072 | 0.153 | 0.045 | 2.275 | 0.318 | 1.129 |
| 16 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 2.203 | 0.118 | 0.029 | 1.830 | 0.237 | 0.850 | 0.123 | 0.069 | 2.203 | 0.309 | 1.098 | 0.060 | 0.033 | 1.072 | 0.151 | 0.548 |
| 17 | PA | Keystone | 3136 | 2 | D031362 | 2.190 | 0.128 | 0.032 | 1.862 | 0.258 | 0.924 | 0.090 | 0.091 | 1.889 | 0.292 | 1.041 | 0.146 | 0.045 | 2.190 | 0.307 | 1.090 |
| 18 | NH | Newington | 8002 | 1 | D080021 | 2.182 | 0.041 | 0.127 | 1.685 | 0.274 | 0.979 | 0.067 | 0.088 | 1.992 | 0.252 | 0.900 | 0.066 | 0.123 | 2.182 | 0.305 | 1.086 |
| 19 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.124 | 0.100 | 0.013 | 1.288 | 0.182 | 0.657 | 0.156 | 0.030 | 2.124 | 0.298 | 1.059 | 0.108 | 0.023 | 1.501 | 0.211 | 0.759 |
| 20 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 2.103 | 0.074 | 0.023 | 1.187 | 0.157 | 0.569 | 0.081 | 0.108 | 2.103 | 0.305 | 1.084 | 0.054 | 0.046 | 1.152 | 0.163 | 0.588 |
| 21 | MI | St. Clair | 1743 | 6 | D017436 | 2.043 | 0.068 | 0.004 | 0.813 | 0.117 | 0.426 | 0.171 | 0.011 | 2.043 | 0.291 | 1.038 | 0.126 | 0.014 | 1.602 | 0.225 | 0.808 |
| 22 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 1.855 | 0.151 | 0.010 | 1.855 | 0.259 | 0.924 | 0.121 | 0.036 | 1.775 | 0.253 | 0.906 | 0.139 | 0.017 | 1.797 | 0.252 | 0.903 |
| 23 | MI | St. Clair | 1743 | 7 | D017437 | 1.798 | 0.064 | 0.007 | 0.830 | 0.114 | 0.416 | 0.136 | 0.018 | 1.798 | 0.247 | 0.885 | 0.105 | 0.023 | 1.470 | 0.207 | 0.744 |
| 24 | MA | Brayton Point | 1619 | 4 | x07 | 1.772 | 0.092 | 0.038 | 1.513 | 0.211 | 0.760 | 0.090 | 0.064 | 1.772 | 0.248 | 0.889 | 0.074 | 0.062 | 1.572 | 0.221 | 0.794 |
| 25 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 1.772 | 0.127 | 0.010 | 1.582 | 0.219 | 0.789 | 0.128 | 0.029 | 1.772 | 0.252 | 0.903 | 0.096 | 0.013 | 1.246 | 0.176 | 0.634 |
| 26 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 1.767 | 0.035 | 0.010 | 0.555 | 0.073 | 0.266 | 0.091 | 0.059 | 1.767 | 0.242 | 0.868 | 0.069 | 0.061 | 1.498 | 0.211 | 0.758 |
| 27 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 1.740 | 0.066 | 0.012 | 0.776 | 0.127 | 0.460 | 0.093 | 0.026 | 1.256 | 0.193 | 0.694 | 0.102 | 0.049 | 1.740 | 0.244 | 0.875 |
| 28 | PA | Homer City | | 3 | D031223 | 1.681 | 0.056 | 0.040 | 1.126 | 0.156 | 0.564 | 0.042 | 0.125 | 1.681 | 0.272 | 0.969 | 0.064 | 0.054 | 1.357 | 0.191 | 0.689 |
| 29 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.665 | 0.024 | 0.011 | 0.402 | 0.058 | 0.212 | 0.053 | 0.020 | 0.832 | 0.118 | 0.430 | 0.109 | 0.036 | 1.665 | 0.234 | 0.839 |
| 30 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 1.649 | 0.105 | 0.011 | 1.309 | 0.186 | 0.671 | 0.103 | 0.037 | 1.649 | 0.226 | 0.811 | 0.096 | 0.015 | 1.277 | 0.180 | 0.650 |
| 31 | MI | Belle River | | 2 | D060342 | 1.572 | 0.059 | 0.019 | 0.914 | 0.127 | 0.461 | 0.090 | 0.045 | 1.572 | 0.219 | 0.786 | 0.072 | 0.059 | 1.507 | 0.212 | 0.762 |
| 32 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 1.515 | 0.077 | 0.021 | 1.126 | 0.158 | 0.572 | 0.051 | 0.011 | 0.713 | 0.101 | 0.368 | 0.109 | 0.023 | 1.515 | 0.213 | 0.766 |
| 33 | MI | Belle River | | 1 | D060341 | 1.473 | 0.053 | 0.019 | 0.855 | 0.116 | 0.422 | 0.080 | 0.045 | 1.473 | 0.203 | 0.730 | 0.064 | 0.059 | 1.414 | 0.199 | 0.717 |
| 34 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 1.424 | 0.033 | 0.022 | 0.653 | 0.090 | 0.329 | 0.048 | 0.081 | 1.424 | 0.211 | 0.759 | 0.030 | 0.027 | 0.657 | 0.093 | 0.340 |
| 35 | PA | Montour | 3149 | 1 | D031491 | 1.406 | 0.065 | 0.024 | 1.056 | 0.145 | 0.525 | 0.052 | 0.072 | 1.406 | 0.202 | 0.726 | 0.054 | 0.046 | 1.145 | 0.162 | 0.585 |
| 36 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 1.397 | 0.054 | 0.030 | 1.234 | 0.136 | 0.493 | 0.053 | 0.059 | 1.397 | 0.183 | 0.659 | 0.030 | 0.042 | 0.833 | 0.118 | 0.429 |
| 37 | IN | Tanners Creek | 988 | U4 | D00988U4 | 1.383 | 0.112 | 0.008 | 1.383 | 0.193 | 0.696 | 0.083 | 0.017 | 1.140 | 0.161 | 0.584 | 0.071 | 0.012 | 0.939 | 0.133 | 0.482 |
| 38 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 1.373 | 0.043 | 0.017 | 0.721 | 0.097 | 0.354 | 0.075 | 0.041 | 1.373 | 0.187 | 0.674 | 0.047 | 0.049 | 1.106 | 0.156 | 0.565 |
| 39 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 1.282 | 0.065 | 0.017 | 0.941 | 0.132 | 0.481 | 0.072 | 0.040 | 1.282 | 0.182 | 0.657 | 0.061 | 0.021 | 0.948 | 0.134 | 0.486 |
| 40 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 1.269 | 0.054 | 0.024 | 0.889 | 0.126 | 0.459 | 0.049 | 0.061 | 1.269 | 0.178 | 0.643 | 0.053 | 0.045 | 1.130 | 0.159 | 0.577 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.254 | 0.052 | 0.003 | 0.602 | 0.088 | 0.321 | 0.105 | 0.008 | 1.254 | 0.181 | 0.654 | 0.077 | 0.012 | 1.018 | 0.144 | 0.521 |
| 42 | PA | Montour | 3149 | 2 | D031492 | 1.249 | 0.054 | 0.024 | 0.973 | 0.126 | 0.457 | 0.043 | 0.072 | 1.249 | 0.186 | 0.671 | 0.044 | 0.046 | 1.033 | 0.146 | 0.529 |
| 43 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.220 | 0.028 | 0.004 | 0.345 | 0.051 | 0.186 | 0.075 | 0.007 | 0.870 | 0.132 | 0.480 | 0.091 | 0.016 | **1.220** | 0.172 | 0.621 |
| 44 | NH | Merrimack | 2364 | 1 | D023641 | 1.162 | 0.007 | 0.018 | 0.542 | 0.042 | 0.153 | 0.014 | 0.066 | **1.162** | 0.132 | 0.480 | 0.012 | 0.077 | **1.027** | 0.145 | 0.526 |
| 45 | PA | Brunner Island | 3140 | 3 | D031403 | 1.146 | 0.049 | 0.020 | 0.813 | 0.112 | 0.408 | 0.041 | 0.057 | **1.125** | 0.160 | 0.580 | 0.049 | 0.050 | **1.146** | 0.162 | 0.585 |
| 46 | OH | Conesville | 2840 | 5,6 | D02840C06 | 1.088 | 0.039 | 0.019 | 0.585 | 0.094 | 0.344 | 0.041 | 0.052 | **1.088** | 0.151 | 0.546 | 0.022 | 0.025 | 0.545 | 0.077 | 0.282 |
| 47 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.074 | 0.041 | 0.004 | 0.480 | 0.072 | 0.265 | 0.101 | 0.006 | **1.074** | 0.172 | 0.623 | 0.076 | 0.011 | 0.991 | 0.140 | 0.508 |
| 48 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.056 | 0.001 | 0.025 | 0.346 | 0.043 | 0.158 | 0.001 | 0.094 | **1.056** | 0.156 | 0.564 | 0.001 | 0.056 | 0.664 | 0.094 | 0.343 |
| 49 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 1.043 | 0.042 | 0.009 | 0.571 | 0.082 | 0.298 | 0.051 | 0.038 | **1.043** | 0.144 | 0.524 | 0.042 | 0.014 | 0.641 | 0.091 | 0.332 |
| 50 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 1.019 | 0.067 | 0.002 | 0.779 | 0.110 | 0.402 | 0.052 | 0.002 | 0.620 | 0.087 | 0.319 | 0.087 | 0.002 | **1.019** | 0.144 | 0.522 |
| 51 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.940 | 0.080 | 0.002 | 0.940 | 0.133 | 0.482 | 0.054 | 0.003 | 0.646 | 0.091 | 0.334 | 0.068 | 0.003 | 0.821 | 0.116 | 0.423 |
| 52 | MA | Canal Station | 1599 | 1 | D015991 | 0.937 | 0.054 | 0.019 | 0.844 | 0.119 | 0.434 | 0.052 | 0.032 | 0.937 | 0.136 | 0.495 | 0.035 | 0.013 | 0.543 | 0.077 | 0.282 |
| 53 | GA | Yates | | Y6BR | D00728Y6R | 0.935 | 0.073 | 0.003 | 0.884 | 0.124 | 0.450 | 0.039 | 0.005 | 0.498 | 0.071 | 0.260 | 0.075 | 0.007 | 0.935 | 0.132 | 0.480 |
| 54 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 0.931 | 0.070 | 0.013 | 0.931 | 0.135 | 0.490 | 0.054 | 0.023 | 0.894 | 0.125 | 0.454 | 0.042 | 0.014 | 0.644 | 0.091 | 0.333 |
| 55 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.925 | 0.061 | 0.001 | 0.708 | 0.100 | 0.366 | 0.047 | 0.002 | 0.563 | 0.079 | 0.290 | 0.079 | 0.002 | 0.925 | 0.131 | 0.475 |
| 56 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 0.925 | 0.028 | 0.016 | 0.488 | 0.071 | 0.261 | 0.037 | 0.034 | 0.925 | 0.117 | 0.425 | 0.018 | 0.011 | 0.343 | 0.049 | 0.179 |
| 57 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 0.924 | 0.048 | 0.001 | 0.571 | 0.080 | 0.292 | 0.061 | 0.005 | 0.924 | 0.106 | 0.388 | 0.065 | 0.001 | 0.757 | 0.107 | 0.390 |
| 58 | MA | Canal Station | 1599 | 2 | D015992 | 0.896 | 0.042 | 0.030 | 0.832 | 0.117 | 0.426 | 0.033 | 0.046 | 0.896 | 0.130 | 0.473 | 0.030 | 0.023 | 0.607 | 0.086 | 0.314 |
| 59 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 0.881 | 0.076 | 0.003 | 0.881 | 0.128 | 0.466 | 0.026 | 0.005 | 0.358 | 0.050 | 0.183 | 0.040 | 0.005 | 0.507 | 0.072 | 0.263 |
| 60 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.827 | 0.030 | 0.007 | 0.422 | 0.060 | 0.220 | 0.061 | 0.011 | 0.815 | 0.116 | 0.423 | 0.056 | 0.016 | 0.827 | 0.117 | 0.425 |
| 61 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.811 | 0.029 | 0.011 | 0.482 | 0.065 | 0.239 | 0.033 | 0.046 | 0.811 | 0.128 | 0.465 | 0.027 | 0.016 | 0.493 | 0.070 | 0.256 |
| 62 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.807 | 0.021 | 0.017 | 0.489 | 0.061 | 0.223 | 0.027 | 0.044 | 0.807 | 0.116 | 0.422 | 0.014 | 0.021 | 0.408 | 0.058 | 0.212 |
| 63 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.799 | 0.018 | 0.022 | 0.462 | 0.066 | 0.240 | 0.014 | 0.019 | 0.389 | 0.055 | 0.201 | 0.031 | 0.038 | 0.799 | 0.113 | 0.412 |
| 64 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 0.772 | 0.061 | 0.005 | 0.772 | 0.107 | 0.391 | 0.055 | 0.006 | 0.735 | 0.100 | 0.363 | 0.042 | 0.003 | 0.508 | 0.072 | 0.264 |
| 65 | MD | C P Crane | 1552 | 2 | D015522 | 0.759 | 0.019 | 0.010 | 0.348 | 0.048 | 0.177 | 0.033 | 0.046 | 0.759 | 0.128 | 0.466 | 0.034 | 0.021 | 0.635 | 0.090 | 0.328 |
| 66 | PA | Cheswick | 8226 | 1 | D082261 | 0.743 | 0.033 | 0.027 | 0.743 | 0.097 | 0.355 | 0.019 | 0.061 | 0.543 | 0.133 | 0.482 | 0.027 | 0.026 | 0.611 | 0.086 | 0.316 |
| 67 | NH | Schiller | 2367 | 4 | | 0.711 | 0.021 | 0.007 | 0.332 | 0.047 | 0.171 | 0.035 | 0.026 | 0.711 | 0.101 | 0.367 | 0.023 | 0.018 | 0.471 | 0.067 | 0.245 |
| 68 | MO | Sibley | | 1, 2, 3 | D02094C01 | 0.692 | 0.037 | 0.014 | 0.560 | 0.083 | 0.302 | 0.032 | 0.013 | 0.488 | 0.073 | 0.268 | 0.047 | 0.014 | 0.692 | 0.098 | 0.357 |
| 69 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.683 | 0.036 | 0.015 | 0.612 | 0.082 | 0.300 | 0.035 | 0.025 | 0.683 | 0.099 | 0.360 | 0.022 | 0.014 | 0.413 | 0.058 | 0.215 |
| 70 | NH | Schiller | 2367 | 6 | | 0.671 | 0.022 | 0.006 | 0.313 | 0.045 | 0.166 | 0.036 | 0.023 | 0.671 | 0.095 | 0.347 | 0.024 | 0.015 | 0.445 | 0.063 | 0.231 |
| 71 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.670 | 0.041 | 0.009 | 0.670 | 0.080 | 0.291 | 0.030 | 0.007 | 0.513 | 0.060 | 0.221 | 0.031 | 0.002 | 0.373 | 0.053 | 0.194 |
| 72 | IA | Ottumwa | | 1 | D062541 | 0.649 | 0.017 | 0.009 | 0.291 | 0.043 | 0.157 | 0.030 | 0.013 | 0.492 | 0.070 | 0.255 | 0.040 | 0.017 | 0.649 | 0.092 | 0.336 |
| 73 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.646 | 0.026 | 0.008 | 0.376 | 0.055 | 0.200 | 0.043 | 0.014 | 0.646 | 0.093 | 0.340 | 0.028 | 0.011 | 0.444 | 0.063 | 0.231 |
| 74 | TX | Big Brown | 3497 | 1 | | 0.646 | 0.053 | 0.004 | 0.646 | 0.092 | 0.336 | 0.050 | 0.001 | 0.587 | 0.083 | 0.304 | 0.031 | 0.001 | 0.367 | 0.052 | 0.191 |
| 75 | NJ | B L England | 2378 | 2,3 | x12 | 0.630 | 0.015 | 0.022 | 0.413 | 0.060 | 0.220 | 0.029 | 0.026 | 0.630 | 0.090 | 0.328 | 0.017 | 0.013 | 0.342 | 0.049 | 0.178 |
| 76 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.623 | 0.046 | 0.007 | 0.623 | 0.086 | 0.316 | 0.035 | 0.015 | 0.566 | 0.081 | 0.295 | 0.029 | 0.010 | 0.452 | 0.064 | 0.235 |
| 77 | TX | Big Brown | 3497 | 2 | | 0.620 | 0.051 | 0.004 | 0.620 | 0.089 | 0.324 | 0.048 | 0.001 | 0.564 | 0.080 | 0.292 | 0.030 | 0.001 | 0.352 | 0.050 | 0.183 |
| 78 | MA | Brayton Point | 1619 | 2 | D016192 | 0.617 | 0.011 | 0.012 | 0.509 | 0.037 | 0.137 | 0.011 | 0.031 | 0.600 | 0.068 | 0.250 | 0.009 | 0.044 | 0.617 | 0.087 | 0.319 |
| 79 | MD | Brandon Shores | 602 | 2 | D006022 | 0.611 | 0.013 | 0.004 | 0.202 | 0.028 | 0.103 | 0.016 | 0.019 | 0.611 | 0.057 | 0.209 | 0.018 | 0.006 | 0.268 | 0.038 | 0.140 |
| 80 | MD | Brandon Shores | 602 | 1 | D006021 | 0.599 | 0.014 | 0.003 | 0.202 | 0.028 | 0.102 | 0.018 | 0.014 | 0.599 | 0.051 | 0.188 | 0.019 | 0.004 | 0.268 | 0.038 | 0.140 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33% | D02535C01 | 0.595 | 0.041 | 0.007 | 0.595 | 0.077 | 0.283 | 0.027 | 0.007 | 0.415 | 0.055 | 0.204 | 0.026 | 0.014 | 0.456 | 0.065 | 0.237 |
| 82 | IA | George Neal South | | 4 | D073434 | 0.580 | 0.015 | 0.007 | 0.258 | 0.036 | 0.133 | 0.027 | 0.011 | 0.456 | 0.062 | 0.228 | 0.032 | 0.019 | 0.580 | 0.082 | 0.300 |
| 83 | OH | J M Stuart | 2850 | 4 | D028404 | 0.543 | 0.015 | 0.006 | 0.261 | 0.035 | 0.127 | 0.025 | 0.025 | 0.543 | 0.081 | 0.296 | 0.013 | 0.009 | 0.257 | 0.036 | 0.134 |
| 84 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 0.540 | 0.010 | 0.010 | 0.279 | 0.033 | 0.121 | 0.016 | 0.052 | 0.540 | 0.112 | 0.407 | 0.010 | 0.016 | 0.307 | 0.044 | 0.160 |
| 85 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.473 | 0.035 | 0.008 | 0.473 | 0.070 | 0.255 | 0.013 | 0.006 | 0.218 | 0.031 | 0.114 | 0.023 | 0.011 | 0.389 | 0.055 | 0.202 |
| 86 | MI | Monroe | 1733 | 1,2 | D01733C12 | 0.460 | 0.007 | 0.011 | 0.294 | 0.031 | 0.113 | 0.010 | 0.030 | 0.460 | 0.066 | 0.241 | 0.009 | 0.027 | 0.411 | 0.058 | 0.214 |
| 87 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 0.457 | 0.026 | 0.009 | 0.419 | 0.056 | 0.204 | 0.025 | 0.015 | 0.457 | 0.066 | 0.243 | 0.016 | 0.008 | 0.278 | 0.039 | 0.145 |
| 88 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.456 | 0.033 | 0.010 | 0.456 | 0.069 | 0.255 | 0.012 | 0.007 | 0.224 | 0.032 | 0.116 | 0.022 | 0.013 | 0.396 | 0.056 | 0.206 |
| 89 | TX | Martin Lake | 6146 | 1 | | 0.456 | 0.035 | 0.006 | 0.456 | 0.065 | 0.239 | 0.033 | 0.002 | 0.392 | 0.055 | 0.204 | 0.020 | 0.001 | 0.246 | 0.035 | 0.128 |
| 90 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 0.453 | 0.011 | 0.007 | 0.244 | 0.030 | 0.110 | 0.018 | 0.037 | 0.453 | 0.090 | 0.328 | 0.012 | 0.011 | 0.266 | 0.038 | 0.139 |
| 91 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 0.452 | 0.033 | 0.002 | 0.401 | 0.057 | 0.210 | 0.032 | 0.006 | 0.425 | 0.060 | 0.220 | 0.035 | 0.005 | 0.452 | 0.064 | 0.235 |
| 92 | TX | Monticello | 6147 | 1 | | 0.439 | 0.035 | 0.003 | 0.439 | 0.062 | 0.227 | 0.033 | 0.001 | 0.390 | 0.055 | 0.203 | 0.021 | 0.001 | 0.244 | 0.035 | 0.127 |
| 93 | MO | Labadie | | 4 | D021034 | 0.432 | 0.016 | 0.004 | 0.226 | 0.033 | 0.120 | 0.034 | 0.003 | 0.432 | 0.061 | 0.222 | 0.026 | 0.004 | 0.347 | 0.049 | 0.181 |
| 94 | TX | Martin Lake | 6146 | 3 | | 0.432 | 0.033 | 0.005 | 0.432 | 0.062 | 0.227 | 0.031 | 0.002 | 0.371 | 0.053 | 0.193 | 0.019 | 0.001 | 0.233 | 0.033 | 0.122 |
| 95 | MD | C P Crane | 1552 | 1 | D015521 | 0.420 | 0.010 | 0.007 | 0.193 | 0.027 | 0.098 | 0.017 | 0.029 | 0.420 | 0.075 | 0.275 | 0.017 | 0.013 | 0.353 | 0.050 | 0.184 |
| 96 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.400 | 0.003 | 0.019 | 0.230 | 0.036 | 0.132 | 0.004 | 0.024 | 0.330 | 0.046 | 0.169 | 0.005 | 0.029 | 0.400 | 0.057 | 0.208 |
| 97 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.399 | 0.008 | 0.005 | 0.147 | 0.020 | 0.076 | 0.009 | 0.014 | 0.261 | 0.037 | 0.136 | 0.013 | 0.022 | 0.399 | 0.057 | 0.208 |
| 98 | OK | Grand River Dam Authority | | 1 | D001651 | 0.391 | 0.028 | 0.000 | 0.391 | 0.045 | 0.167 | 0.021 | 0.000 | 0.299 | 0.034 | 0.126 | 0.023 | 0.000 | 0.261 | 0.037 | 0.136 |
| 99 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 0.370 | 0.023 | 0.000 | 0.274 | 0.038 | 0.141 | 0.027 | 0.001 | 0.370 | 0.045 | 0.166 | 0.024 | 0.000 | 0.283 | 0.040 | 0.148 |
| 100 | KY | Paradise | 1378 | 2 | D013782 | 0.365 | 0.026 | 0.005 | 0.365 | 0.051 | 0.187 | 0.018 | 0.005 | 0.260 | 0.037 | 0.138 | 0.019 | 0.005 | 0.275 | 0.039 | 0.143 |
| 101 | MA | Brayton Point | 1619 | 3 | D016193 | 0.354 | 0.011 | 0.009 | 0.354 | 0.033 | 0.121 | 0.010 | 0.015 | 0.330 | 0.040 | 0.148 | 0.009 | 0.019 | 0.315 | 0.045 | 0.164 |
| 102 | TX | Martin Lake | 6146 | 2 | | 0.349 | 0.026 | 0.005 | 0.349 | 0.051 | 0.189 | 0.025 | 0.002 | 0.303 | 0.043 | 0.158 | 0.016 | 0.001 | 0.190 | 0.027 | 0.099 |
| 103 | WI | Columbia | | 1 | D080231 | 0.327 | 0.002 | 0.005 | 0.085 | 0.012 | 0.045 | 0.005 | 0.008 | 0.191 | 0.021 | 0.079 | 0.008 | 0.020 | 0.327 | 0.046 | 0.170 |
| 104 | DE | Indian River | 594 | 4 | D005944 | 0.323 | 0.006 | 0.001 | 0.082 | 0.012 | 0.043 | 0.027 | 0.002 | 0.323 | 0.046 | 0.169 | 0.005 | 0.000 | 0.064 | 0.009 | 0.034 |
| 105 | KY | Paradise | 1378 | 3 | D013783 | 0.300 | 0.016 | 0.009 | 0.284 | 0.042 | 0.154 | 0.010 | 0.014 | 0.300 | 0.039 | 0.143 | 0.012 | 0.009 | 0.245 | 0.035 | 0.128 |
| 106 | KY | Paradise | 1378 | 1 | D01720C09 | 0.292 | 0.021 | 0.004 | 0.292 | 0.041 | 0.150 | 0.014 | 0.004 | 0.209 | 0.030 | 0.111 | 0.015 | 0.004 | 0.220 | 0.031 | 0.115 |
| 107 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 0.288 | 0.014 | 0.002 | 0.178 | 0.025 | 0.093 | 0.020 | 0.006 | 0.288 | 0.042 | 0.154 | 0.015 | 0.002 | 0.198 | 0.028 | 0.104 |
| 108 | OH | Cardinal | 2828 | 3 | D028283 | 0.282 | 0.014 | 0.007 | 0.282 | 0.034 | 0.125 | 0.011 | 0.020 | 0.243 | 0.052 | 0.190 | 0.010 | 0.008 | 0.203 | 0.029 | 0.106 |
| 109 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.281 | 0.009 | 0.002 | 0.135 | 0.019 | 0.072 | 0.021 | 0.004 | 0.281 | 0.041 | 0.150 | 0.019 | 0.006 | 0.280 | 0.040 | 0.146 |
| 110 | WI | Columbia | | 2 | D080232 | 0.265 | 0.002 | 0.005 | 0.087 | 0.013 | 0.047 | 0.006 | 0.007 | 0.179 | 0.020 | 0.074 | 0.008 | 0.015 | 0.265 | 0.038 | 0.138 |
| 111 | MA | Brayton Point | 1619 | 1 | D016191 | 0.258 | 0.011 | 0.003 | 0.219 | 0.023 | 0.084 | 0.011 | 0.008 | 0.258 | 0.032 | 0.117 | 0.009 | 0.013 | 0.254 | 0.036 | 0.132 |
| 112 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.231 | 0.007 | 0.004 | 0.118 | 0.018 | 0.067 | 0.013 | 0.007 | 0.205 | 0.032 | 0.119 | 0.011 | 0.009 | 0.231 | 0.033 | 0.121 |
| 113 | MD | Morgantown | 1573 | 1 | D015731 | 0.227 | 0.015 | 0.002 | 0.192 | 0.027 | 0.101 | 0.016 | 0.007 | 0.227 | 0.038 | 0.140 | 0.015 | 0.002 | 0.197 | 0.028 | 0.103 |
| 114 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.224 | 0.009 | 0.006 | 0.173 | 0.024 | 0.088 | 0.009 | 0.006 | 0.182 | 0.026 | 0.094 | 0.011 | 0.008 | 0.224 | 0.032 | 0.117 |
| 115 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.223 | 0.002 | 0.006 | 0.158 | 0.012 | 0.045 | 0.002 | 0.010 | 0.211 | 0.020 | 0.074 | 0.002 | 0.017 | 0.223 | 0.032 | 0.117 |
| 116 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.200 | 0.001 | 0.005 | 0.134 | 0.010 | 0.038 | 0.002 | 0.010 | 0.194 | 0.020 | 0.073 | 0.001 | 0.016 | 0.200 | 0.028 | 0.104 |
| 117 | KY | Mill Creek | 1364 | 4 | D013644 | 0.191 | 0.004 | 0.007 | 0.191 | 0.019 | 0.069 | 0.003 | 0.014 | 0.166 | 0.028 | 0.104 | 0.002 | 0.009 | 0.129 | 0.018 | 0.068 |
| 118 | GA | Scherer | | 4 | D062574 | 0.131 | 0.002 | 0.004 | 0.131 | 0.010 | 0.036 | 0.001 | 0.007 | 0.050 | 0.012 | 0.044 | 0.001 | 0.007 | 0.103 | 0.015 | 0.054 |
| 119 | GA | Scherer | | 1 | D062571 | 0.128 | 0.001 | 0.004 | 0.128 | 0.009 | 0.033 | 0.000 | 0.007 | 0.050 | 0.012 | 0.044 | 0.001 | 0.008 | 0.100 | 0.014 | 0.053 |
| 120 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.104 | 0.002 | 0.002 | 0.104 | 0.008 | 0.029 | 0.001 | 0.002 | 0.032 | 0.004 | 0.015 | 0.001 | 0.003 | 0.046 | 0.006 | 0.024 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.098 | 0.005 | 0.002 | 0.098 | 0.012 | 0.043 | 0.003 | 0.003 | 0.070 | 0.011 | 0.041 | 0.004 | 0.003 | 0.082 | 0.012 | 0.043 |
| 122 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.098 | 0.005 | 0.002 | 0.098 | 0.012 | 0.043 | 0.003 | 0.003 | 0.069 | 0.011 | 0.041 | 0.004 | 0.003 | 0.082 | 0.012 | 0.043 |
| 123 | GA | Scherer | | 2 | D062572 | 0.097 | 0.001 | 0.003 | 0.097 | 0.007 | 0.024 | 0.000 | 0.005 | 0.037 | 0.009 | 0.034 | 0.001 | 0.006 | 0.075 | 0.011 | 0.039 |
| 124 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.089 | 0.006 | 0.002 | 0.089 | 0.013 | 0.047 | 0.004 | 0.001 | 0.059 | 0.008 | 0.031 | 0.006 | 0.002 | 0.087 | 0.012 | 0.045 |
| 125 | GA | Yates | | Y7BR | D00728Y7R | 0.083 | 0.000 | 0.003 | 0.079 | 0.006 | 0.021 | 0.000 | 0.005 | 0.045 | 0.009 | 0.032 | 0.000 | 0.007 | 0.083 | 0.012 | 0.044 |
| 126 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.082 | 0.002 | 0.002 | 0.082 | 0.007 | 0.028 | 0.001 | 0.002 | 0.026 | 0.004 | 0.014 | 0.001 | 0.002 | 0.035 | 0.005 | 0.018 |
| 127 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.060 | 0.004 | 0.001 | 0.060 | 0.009 | 0.032 | 0.003 | 0.001 | 0.041 | 0.006 | 0.021 | 0.004 | 0.001 | 0.056 | 0.008 | 0.029 |
| 128 | KS | La Cygne | 1241 | 1 | | 0.036 | 0.003 | 0.000 | 0.036 | 0.005 | 0.020 | 0.003 | 0.000 | 0.031 | 0.005 | 0.018 | 0.003 | 0.000 | 0.033 | 0.005 | 0.017 |
| 129 | VA | Bremo Power Station | | 4 | D037964 | 0.019 | 0.000 | 0.001 | 0.018 | 0.001 | 0.005 | 0.000 | 0.002 | 0.013 | 0.003 | 0.011 | 0.000 | 0.002 | 0.019 | 0.003 | 0.010 |
| 130 | KS | La Cygne | | 2 | D012412 | 0.012 | 0.001 | 0.000 | 0.012 | 0.002 | 0.006 | 0.001 | 0.000 | 0.011 | 0.002 | 0.006 | 0.001 | 0.000 | 0.010 | 0.001 | 0.005 |

## F.9 2011 EGU Ranking Visibility Impairing Sources to Lye Brook

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 25.684 | 1.675 | 0.153 | 20.443 | 2.479 | 7.784 | 1.972 | 0.310 | 25.684 | 3.026 | 9.083 | 1.746 | 0.222 | 22.034 | 2.648 | 8.197 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 11.450 | 0.998 | 0.045 | 11.450 | 1.463 | 5.067 | 0.490 | 0.124 | 6.654 | 0.876 | 3.246 | 0.824 | 0.043 | 9.476 | 1.226 | 4.357 |
| 3 | NH | Merrimack | 2364 | 2 | D023642 | 11.001 | 0.373 | 0.139 | 5.539 | 0.735 | 2.770 | 0.716 | 0.292 | 11.001 | 1.410 | 4.910 | 0.174 | 0.042 | 2.320 | 0.314 | 1.255 |
| 4 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 7.733 | 0.287 | 0.034 | 3.464 | 0.466 | 1.820 | 0.331 | 0.059 | 4.201 | 0.562 | 2.168 | 0.634 | 0.077 | 7.733 | 1.011 | 3.685 |
| 5 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 7.704 | 0.689 | 0.019 | 7.704 | 1.008 | 3.674 | 0.496 | 0.056 | 5.986 | 0.791 | 2.963 | 0.481 | 0.037 | 5.605 | 0.743 | 2.799 |
| 6 | PA | Homer City | 3122 | 2 | D031222 | 6.283 | 0.538 | 0.014 | 5.976 | 0.790 | 2.959 | 0.527 | 0.052 | 6.283 | 0.829 | 3.090 | 0.497 | 0.028 | 5.683 | 0.753 | 2.833 |
| 7 | PA | Homer City | 3122 | 1 | D031221 | 6.173 | 0.537 | 0.012 | 5.942 | 0.786 | 2.945 | 0.527 | 0.043 | 6.173 | 0.815 | 3.043 | 0.497 | 0.022 | 5.620 | 0.745 | 2.805 |
| 8 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33 | D02535C01 | 5.805 | 0.170 | 0.035 | 2.208 | 0.299 | 1.198 | 0.426 | 0.110 | 5.805 | 0.768 | 2.886 | 0.184 | 0.055 | 2.568 | 0.347 | 1.380 |
| 9 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 5.614 | 0.286 | 0.027 | 3.364 | 0.453 | 1.772 | 0.374 | 0.111 | 5.242 | 0.696 | 2.640 | 0.446 | 0.073 | 5.614 | 0.744 | 2.803 |
| 10 | NH | Merrimack | 2364 | 1 | D023641 | 5.262 | 0.187 | 0.061 | 2.672 | 0.361 | 1.432 | 0.358 | 0.128 | 5.262 | 0.699 | 2.649 | 0.087 | 0.019 | 1.134 | 0.155 | 0.633 |
| 11 | MI | Monroe | 1733 | 1,2 | D01733C12 | 5.110 | 0.334 | 0.074 | 4.405 | 0.588 | 2.262 | 0.295 | 0.177 | 5.110 | 0.679 | 2.581 | 0.238 | 0.131 | 3.985 | 0.534 | 2.067 |
| 12 | PA | Cheswick | 8226 | 1 | D082261 | 5.108 | 0.389 | 0.025 | 4.466 | 0.596 | 2.290 | 0.376 | 0.096 | 5.108 | 0.679 | 2.580 | 0.409 | 0.055 | 5.014 | 0.667 | 2.538 |
| 13 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 4.556 | 0.328 | 0.031 | 3.862 | 0.518 | 2.009 | 0.380 | 0.042 | 4.556 | 0.608 | 2.331 | 0.304 | 0.044 | 3.748 | 0.503 | 1.956 |
| 14 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 4.325 | 0.299 | 0.022 | 3.447 | 0.463 | 1.812 | 0.321 | 0.080 | 4.325 | 0.578 | 2.225 | 0.187 | 0.036 | 2.395 | 0.324 | 1.293 |
| 15 | PA | Keystone | 3136 | 1 | D031361 | 4.247 | 0.290 | 0.042 | 3.582 | 0.481 | 1.876 | 0.267 | 0.126 | 4.247 | 0.568 | 2.189 | 0.246 | 0.096 | 3.697 | 0.496 | 1.931 |
| 16 | PA | Keystone | 3136 | 2 | D031362 | 4.225 | 0.289 | 0.042 | 3.566 | 0.479 | 1.869 | 0.266 | 0.125 | 4.225 | 0.565 | 2.179 | 0.245 | 0.096 | 3.678 | 0.494 | 1.922 |
| 17 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 4.056 | 0.253 | 0.098 | 3.783 | 0.507 | 1.972 | 0.243 | 0.133 | 4.056 | 0.543 | 2.101 | 0.176 | 0.063 | 2.564 | 0.347 | 1.378 |
| 18 | OH | Eastlake | | 5 | D028375 | 3.814 | 0.197 | 0.029 | 2.427 | 0.329 | 1.309 | 0.176 | 0.049 | 2.425 | 0.328 | 1.308 | 0.276 | 0.077 | 3.814 | 0.511 | 1.987 |
| 19 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 3.579 | 0.219 | 0.018 | 2.545 | 0.344 | 1.368 | 0.271 | 0.046 | 3.409 | 0.458 | 1.793 | 0.284 | 0.048 | 3.579 | 0.481 | 1.875 |
| 20 | OH | Cardinal | 2828 | 3 | D028283 | 3.546 | 0.283 | 0.006 | 3.107 | 0.419 | 1.647 | 0.220 | 0.024 | 2.624 | 0.355 | 1.408 | 0.322 | 0.008 | 3.546 | 0.476 | 1.860 |
| 21 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 3.489 | 0.221 | 0.041 | 2.826 | 0.381 | 1.509 | 0.167 | 0.156 | 3.489 | 0.469 | 1.832 | 0.186 | 0.105 | 3.140 | 0.423 | 1.663 |
| 22 | OH | Muskingum River | 2872 | 5 | D028725 | 3.430 | 0.313 | 0.006 | 3.430 | 0.461 | 1.804 | 0.196 | 0.018 | 2.300 | 0.312 | 1.245 | 0.286 | 0.008 | 3.154 | 0.425 | 1.670 |
| 23 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 3.427 | 0.068 | 0.074 | 1.536 | 0.209 | 0.848 | 0.165 | 0.152 | 3.427 | 0.461 | 1.802 | 0.101 | 0.128 | 2.472 | 0.335 | 1.332 |
| 24 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 3.127 | 0.229 | 0.012 | 2.588 | 0.350 | 1.390 | 0.246 | 0.044 | 3.127 | 0.421 | 1.657 | 0.144 | 0.020 | 1.753 | 0.238 | 0.962 |
| 25 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 3.079 | 0.278 | 0.008 | 3.079 | 0.415 | 1.633 | 0.200 | 0.024 | 2.410 | 0.326 | 1.300 | 0.194 | 0.016 | 2.255 | 0.306 | 1.222 |
| 26 | MA | Brayton Point | 1619 | 3 | D016193 | 2.992 | 0.117 | 0.024 | 1.511 | 0.206 | 0.835 | 0.204 | 0.044 | 2.660 | 0.360 | 1.426 | 0.250 | 0.029 | 2.992 | 0.403 | 1.591 |
| 27 | PA | Portland | | 3 (2) | d031132 | 2.831 | 0.172 | 0.044 | 2.323 | 0.315 | 1.256 | 0.216 | 0.047 | 2.831 | 0.382 | 1.511 | 0.210 | 0.050 | 2.807 | 0.379 | 1.499 |
| 28 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 2.803 | 0.109 | 0.054 | 1.751 | 0.238 | 0.961 | 0.100 | 0.074 | 1.880 | 0.255 | 1.029 | 0.158 | 0.101 | 2.803 | 0.378 | 1.497 |
| 29 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.767 | 0.079 | 0.034 | 1.213 | 0.166 | 0.676 | 0.146 | 0.073 | 2.363 | 0.320 | 1.277 | 0.212 | 0.045 | 2.767 | 0.374 | 1.479 |
| 30 | PA | Montour | 3149 | 1 | D031491 | 2.765 | 0.132 | 0.076 | 2.238 | 0.303 | 1.213 | 0.090 | 0.165 | 2.765 | 0.373 | 1.479 | 0.088 | 0.096 | 1.989 | 0.270 | 1.085 |
| 31 | IN | Tanners Creek | 988 | U4 | D00988U4 | 2.748 | 0.245 | 0.010 | 2.748 | 0.371 | 1.470 | 0.130 | 0.027 | 1.681 | 0.229 | 0.925 | 0.136 | 0.025 | 1.725 | 0.235 | 0.947 |
| 32 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 2.637 | 0.129 | 0.021 | 1.608 | 0.219 | 0.886 | 0.157 | 0.061 | 2.352 | 0.319 | 1.271 | 0.219 | 0.026 | 2.637 | 0.356 | 1.415 |
| 33 | PA | Montour | 3149 | 2 | D031492 | 2.602 | 0.133 | 0.069 | 2.175 | 0.295 | 1.181 | 0.091 | 0.149 | 2.602 | 0.352 | 1.397 | 0.089 | 0.087 | 1.898 | 0.258 | 1.038 |
| 34 | WV | Harrison Power Station | | 1 (25%), 2 (20 | D03944C01 | 2.594 | 0.092 | 0.047 | 1.494 | 0.204 | 0.826 | 0.059 | 0.179 | 2.594 | 0.351 | 1.393 | 0.070 | 0.063 | 1.439 | 0.196 | 0.797 |
| 35 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 2.563 | 0.224 | 0.014 | 2.563 | 0.347 | 1.377 | 0.138 | 0.056 | 2.091 | 0.284 | 1.138 | 0.188 | 0.022 | 2.251 | 0.305 | 1.220 |
| 36 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 2.459 | 0.103 | 0.055 | 1.701 | 0.231 | 0.935 | 0.073 | 0.154 | 2.459 | 0.333 | 1.325 | 0.077 | 0.123 | 2.168 | 0.294 | 1.177 |
| 37 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 2.444 | 0.206 | 0.022 | 2.444 | 0.331 | 1.318 | 0.152 | 0.044 | 2.107 | 0.286 | 1.146 | 0.171 | 0.037 | 2.236 | 0.303 | 1.212 |
| 38 | NH | Newington | 8002 | 1 | D080021 | 2.420 | 0.069 | 0.027 | 1.023 | 0.140 | 0.573 | 0.139 | 0.085 | 2.420 | 0.328 | 1.306 | 0.059 | 0.012 | 0.770 | 0.105 | 0.434 |
| 39 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 2.416 | 0.163 | 0.061 | 2.416 | 0.327 | 1.303 | | | | | | | | | | |
| 40 | ME | William F Wyman | 1507 | 4 | D015074 | 2.283 | 0.031 | 0.007 | 0.403 | 0.055 | 0.230 | 0.118 | 0.094 | 2.283 | 0.309 | 1.236 | 0.061 | 0.015 | 0.814 | 0.111 | 0.458 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | PA | Martins Creek | 3148 | 3,4 | x21 | 2.256 | 0.040 | 0.063 | **1.118** | 0.153 | 0.625 | 0.045 | 0.127 | **1.864** | 0.253 | **1.020** | 0.042 | 0.165 | **2.256** | 0.306 | **1.222** |
| 42 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 2.182 | 0.176 | 0.028 | **2.182** | 0.296 | **1.184** | 0.104 | 0.026 | **1.395** | 0.190 | 0.773 | 0.099 | 0.017 | **1.247** | 0.170 | 0.694 |
| 43 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 2.178 | 0.031 | 0.063 | **1.010** | 0.138 | 0.566 | 0.048 | 0.152 | **2.178** | 0.295 | **1.182** | 0.023 | 0.092 | **1.251** | 0.171 | 0.696 |
| 44 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 2.043 | 0.126 | 0.008 | **1.441** | 0.196 | 0.798 | 0.152 | 0.039 | **2.043** | 0.277 | **1.113** | 0.110 | 0.019 | **1.380** | 0.188 | 0.765 |
| 45 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 2.012 | 0.125 | 0.008 | **1.422** | 0.194 | 0.787 | 0.150 | 0.038 | **2.012** | 0.273 | **1.097** | 0.109 | 0.018 | **1.360** | 0.185 | 0.755 |
| 46 | MI | St. Clair | 1743 | 7 | D017437 | 2.002 | 0.151 | 0.018 | **1.815** | 0.247 | 0.995 | 0.169 | 0.017 | **2.002** | 0.272 | **1.092** | 0.136 | 0.020 | **1.673** | 0.228 | 0.920 |
| 47 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 2.001 | 0.055 | 0.080 | **1.458** | 0.199 | 0.807 | 0.076 | 0.109 | **2.001** | 0.272 | **1.091** | 0.081 | 0.086 | **1.807** | 0.246 | 0.990 |
| 48 | MD | Morgantown | 1573 | 1 | D015731 | 1.974 | 0.115 | 0.004 | **1.273** | 0.174 | 0.708 | 0.108 | 0.008 | **1.245** | 0.170 | 0.693 | 0.179 | 0.005 | **1.974** | 0.268 | **1.077** |
| 49 | VA | Chesapeake Energy Center | | 4 | D038034 | 1.919 | 0.083 | 0.022 | **1.124** | 0.153 | 0.628 | 0.109 | 0.019 | **1.380** | 0.188 | 0.765 | 0.156 | 0.023 | **1.919** | 0.261 | **1.049** |
| 50 | OH | Conesville | 2840 | 5,6 | D02840C06 | 1.915 | 0.038 | 0.040 | 0.843 | 0.115 | 0.474 | 0.040 | 0.136 | **1.915** | 0.260 | **1.047** | 0.041 | 0.060 | **1.099** | 0.150 | 0.614 |
| 51 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 1.871 | 0.116 | 0.057 | **1.867** | 0.254 | **1.022** | 0.113 | 0.061 | **1.871** | 0.254 | **1.024** | 0.072 | 0.060 | **1.427** | 0.194 | 0.790 |
| 52 | PA | Brunner Island | 3140 | 3 | D031403 | 1.746 | 0.117 | 0.043 | **1.725** | 0.235 | 0.948 | 0.060 | 0.094 | **1.663** | 0.226 | 0.915 | 0.070 | 0.091 | **1.746** | 0.237 | 0.959 |
| 53 | PA | Sunbury | | 4 | D031524 | 1.745 | 0.144 | 0.012 | **1.672** | 0.227 | 0.920 | 0.137 | 0.026 | **1.745** | 0.237 | 0.958 | 0.095 | 0.009 | **1.115** | 0.152 | 0.623 |
| 54 | OK | Northeastern | | 3313, 3314 | D02963C10 | 1.700 | 0.099 | 0.059 | **1.700** | 0.231 | 0.935 | 0.050 | 0.024 | 0.789 | 0.108 | 0.445 | 0.042 | 0.029 | 0.764 | 0.105 | 0.431 |
| 55 | MI | Trenton Channel | 1745 | 9A | D017459A | 1.643 | 0.133 | 0.020 | **1.643** | 0.224 | 0.904 | 0.119 | 0.019 | **1.485** | 0.202 | 0.821 | 0.092 | 0.020 | **1.202** | 0.164 | 0.669 |
| 56 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.610 | 0.136 | 0.014 | **1.610** | 0.219 | 0.887 | 0.082 | 0.010 | 0.984 | 0.135 | 0.552 | 0.062 | 0.012 | 0.790 | 0.108 | 0.445 |
| 57 | PA | Portland | | 2 (1) | d031131 | 1.604 | 0.107 | 0.017 | **1.332** | 0.182 | 0.739 | 0.132 | 0.017 | **1.604** | 0.218 | 0.884 | 0.130 | 0.018 | **1.596** | 0.217 | 0.880 |
| 58 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 1.527 | 0.045 | 0.016 | 0.656 | 0.090 | 0.371 | 0.063 | 0.024 | 0.934 | 0.128 | 0.524 | 0.122 | 0.021 | **1.527** | 0.208 | 0.843 |
| 59 | PA | Sunbury | | 3 | D031523 | 1.486 | 0.125 | 0.011 | **1.465** | 0.200 | 0.810 | 0.116 | 0.023 | **1.486** | 0.202 | 0.822 | 0.082 | 0.011 | 0.991 | 0.135 | 0.556 |
| 60 | TX | Big Brown | 3497 | 2 | | 1.467 | 0.134 | 0.003 | **1.467** | 0.200 | 0.811 | 0.100 | 0.002 | **1.090** | 0.149 | 0.609 | 0.088 | 0.001 | 0.955 | 0.131 | 0.536 |
| 61 | MI | Belle River | | 2 | D060342 | 1.460 | 0.090 | 0.046 | **1.460** | 0.199 | 0.808 | 0.083 | 0.048 | **1.405** | 0.192 | 0.779 | 0.051 | 0.038 | 0.964 | 0.132 | 0.541 |
| 62 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 1.445 | 0.125 | 0.010 | **1.445** | 0.197 | 0.800 | 0.072 | 0.008 | 0.858 | 0.117 | 0.483 | 0.100 | 0.015 | **1.232** | 0.168 | 0.686 |
| 63 | MI | Belle River | | 1 | D060341 | 1.441 | 0.088 | 0.046 | **1.441** | 0.196 | 0.798 | 0.081 | 0.048 | **1.388** | 0.189 | 0.769 | 0.051 | 0.038 | 0.953 | 0.130 | 0.535 |
| 64 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.440 | 0.074 | 0.025 | **1.063** | 0.145 | 0.595 | 0.103 | 0.031 | **1.440** | 0.196 | 0.797 | 0.090 | 0.029 | **1.280** | 0.175 | 0.712 |
| 65 | PA | Armstrong Power Station | | 1 | D031781 | 1.433 | 0.123 | 0.010 | **1.433** | 0.195 | 0.793 | 0.086 | 0.022 | **1.160** | 0.158 | 0.647 | | | | | |
| 66 | MA | Brayton Point | 1619 | 2 | D016192 | 1.433 | 0.040 | 0.015 | 0.591 | 0.081 | 0.335 | 0.096 | 0.032 | **1.378** | 0.188 | 0.764 | 0.118 | 0.016 | **1.433** | 0.195 | 0.793 |
| 67 | VA | Chesapeake Energy Center | | 3 | D038033 | 1.417 | 0.056 | 0.022 | 0.838 | 0.115 | 0.471 | 0.072 | 0.019 | 0.978 | 0.134 | 0.548 | 0.110 | 0.022 | **1.417** | 0.193 | 0.785 |
| 68 | PA | Armstrong Power Station | | 2 | D031782 | 1.414 | 0.121 | 0.011 | **1.414** | 0.193 | 0.783 | 0.084 | 0.024 | **1.158** | 0.158 | 0.646 | | | | | |
| 69 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.403 | 0.067 | 0.023 | 0.971 | 0.133 | 0.545 | 0.108 | 0.023 | **1.403** | 0.191 | 0.777 | 0.095 | 0.033 | **1.379** | 0.188 | 0.765 |
| 70 | TX | Big Brown | 3497 | 1 | | 1.398 | 0.127 | 0.003 | **1.398** | 0.191 | 0.775 | 0.095 | 0.002 | **1.039** | 0.142 | 0.582 | 0.084 | 0.001 | 0.909 | 0.124 | 0.511 |
| 71 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 1.378 | 0.108 | 0.020 | **1.370** | 0.187 | 0.760 | 0.088 | 0.040 | **1.378** | 0.188 | 0.764 | 0.048 | 0.028 | 0.825 | 0.113 | 0.465 |
| 72 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 1.358 | 0.106 | 0.005 | **1.188** | 0.162 | 0.662 | 0.118 | 0.009 | **1.358** | 0.185 | 0.754 | 0.060 | 0.011 | 0.765 | 0.105 | 0.432 |
| 73 | MD | C P Crane | 1552 | 2 | D015522 | 1.308 | 0.066 | 0.012 | 0.842 | 0.115 | 0.474 | 0.079 | 0.042 | **1.308** | 0.178 | 0.727 | 0.059 | 0.027 | 0.926 | 0.127 | 0.520 |
| 74 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 1.304 | 0.098 | 0.024 | **1.304** | 0.178 | 0.725 | 0.099 | 0.022 | **1.299** | 0.177 | 0.722 | 0.087 | 0.013 | **1.073** | 0.147 | 0.600 |
| 75 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 1.302 | 0.115 | 0.006 | **1.302** | 0.178 | 0.723 | 0.081 | 0.007 | 0.948 | 0.130 | 0.532 | 0.102 | 0.017 | **1.267** | 0.173 | 0.705 |
| 76 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.297 | 0.056 | 0.020 | 0.814 | 0.111 | 0.458 | 0.066 | 0.028 | **1.007** | 0.138 | 0.564 | 0.095 | 0.026 | **1.297** | 0.177 | 0.721 |
| 77 | PA | Homer City | | 3 | D031223 | 1.280 | 0.062 | 0.018 | 0.855 | 0.117 | 0.481 | 0.052 | 0.066 | **1.280** | 0.175 | 0.712 | 0.053 | 0.026 | 0.850 | 0.116 | 0.478 |
| 78 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 1.277 | 0.035 | 0.015 | 0.534 | 0.073 | 0.303 | 0.088 | 0.031 | **1.277** | 0.174 | 0.710 | 0.078 | 0.035 | **1.211** | 0.165 | 0.675 |
| 79 | PA | Sunbury | | 1A, 1B | D03152CS1 | 1.263 | 0.102 | 0.009 | **1.186** | 0.162 | 0.661 | 0.099 | 0.019 | **1.263** | 0.172 | 0.702 | 0.066 | 0.008 | 0.787 | 0.108 | 0.444 |
| 80 | KS | La Cygne | | 2 | D012412 | 1.261 | 0.087 | 0.030 | **1.261** | 0.172 | 0.701 | 0.071 | 0.025 | **1.029** | 0.141 | 0.576 | 0.038 | 0.022 | 0.644 | 0.088 | 0.364 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 1.248 | 0.035 | 0.007 | 0.450 | 0.062 | 0.256 | 0.058 | 0.010 | 0.733 | 0.100 | 0.414 | 0.107 | 0.009 | **1.248** | 0.170 | 0.695 |
| 82 | MD | Brandon Shores | 602 | 2 | D006022 | 1.238 | 0.018 | 0.028 | 0.501 | 0.069 | 0.285 | 0.022 | 0.092 | **1.238** | 0.169 | 0.689 | 0.020 | 0.035 | 0.592 | 0.081 | 0.335 |
| 83 | MA | Brayton Point | 1619 | 1 | D016191 | 1.230 | 0.036 | 0.009 | 0.480 | 0.066 | 0.273 | 0.091 | 0.020 | **1.182** | 0.161 | 0.659 | 0.104 | 0.011 | **1.230** | 0.168 | 0.685 |
| 84 | MI | J C Weadock | | 7, 8 | D01720C09 | 1.224 | 0.037 | 0.011 | 0.517 | 0.071 | 0.294 | 0.090 | 0.024 | **1.224** | 0.167 | 0.682 | 0.075 | 0.025 | **1.075** | 0.147 | 0.601 |
| 85 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 1.222 | 0.081 | 0.008 | 0.959 | 0.131 | 0.538 | 0.100 | 0.014 | **1.222** | 0.167 | 0.680 | | | | | |
| 86 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 1.215 | 0.093 | 0.020 | **1.215** | 0.166 | 0.677 | 0.057 | 0.052 | **1.175** | 0.160 | 0.655 | 0.072 | 0.034 | **1.147** | 0.157 | 0.640 |
| 87 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 1.209 | 0.111 | 0.003 | **1.209** | 0.165 | 0.674 | 0.078 | 0.006 | 0.899 | 0.123 | 0.505 | 0.082 | 0.003 | 0.908 | 0.124 | 0.510 |
| 88 | WI | Columbia | | 2 | D080232 | 1.205 | 0.058 | 0.011 | 0.731 | 0.100 | 0.413 | 0.078 | 0.015 | 0.999 | 0.137 | 0.560 | 0.095 | 0.018 | **1.205** | 0.164 | 0.671 |
| 89 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 1.187 | 0.041 | 0.010 | 0.549 | 0.075 | 0.311 | 0.096 | 0.015 | **1.187** | 0.162 | 0.662 | 0.040 | 0.017 | 0.619 | 0.085 | 0.350 |
| 90 | MD | Brandon Shores | 602 | 1 | D006021 | 1.181 | 0.019 | 0.026 | 0.487 | 0.067 | 0.277 | 0.022 | 0.086 | **1.181** | 0.161 | 0.659 | 0.021 | 0.032 | 0.574 | 0.079 | 0.325 |
| 91 | MD | C P Crane | 1552 | 1 | D015521 | 1.176 | 0.060 | 0.011 | 0.760 | 0.104 | 0.429 | 0.072 | 0.038 | **1.176** | 0.161 | 0.656 | 0.054 | 0.024 | 0.834 | 0.114 | 0.469 |
| 92 | WI | Columbia | | 1 | D080231 | 1.139 | 0.052 | 0.010 | 0.663 | 0.091 | 0.375 | 0.068 | 0.015 | 0.885 | 0.121 | 0.497 | 0.090 | 0.016 | **1.139** | 0.156 | 0.636 |
| 93 | MI | St. Clair | 1743 | 6 | D017436 | 1.137 | 0.085 | 0.011 | **1.031** | 0.141 | 0.577 | 0.095 | 0.011 | **1.137** | 0.155 | 0.634 | 0.090 | 0.016 | **1.131** | 0.154 | 0.632 |
| 94 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 1.124 | 0.066 | 0.007 | 0.783 | 0.107 | 0.441 | 0.035 | 0.009 | 0.471 | 0.065 | 0.268 | 0.093 | 0.012 | **1.124** | 0.153 | 0.627 |
| 95 | WV | Albright Power Station | 3942 | 3 | D039423 | 1.120 | 0.101 | 0.003 | **1.120** | 0.153 | 0.625 | 0.076 | 0.009 | 0.916 | 0.125 | 0.514 | 0.096 | 0.007 | **1.097** | 0.150 | 0.613 |
| 96 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 1.120 | 0.102 | 0.003 | **1.120** | 0.153 | 0.625 | 0.072 | 0.007 | 0.841 | 0.115 | 0.473 | 0.076 | 0.003 | 0.843 | 0.115 | 0.474 |
| 97 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 1.119 | 0.080 | 0.006 | 0.927 | 0.127 | 0.520 | 0.073 | 0.031 | **1.119** | 0.153 | 0.625 | 0.075 | 0.023 | **1.057** | 0.144 | 0.592 |
| 98 | TX | Martin Lake | 6146 | 1 | | 1.090 | 0.096 | 0.006 | **1.090** | 0.149 | 0.609 | 0.071 | 0.004 | 0.808 | 0.111 | 0.455 | 0.063 | 0.002 | 0.693 | 0.095 | 0.391 |
| 99 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 1.080 | 0.087 | 0.014 | **1.080** | 0.147 | 0.604 | 0.049 | 0.015 | 0.689 | 0.094 | 0.389 | 0.050 | 0.009 | 0.634 | 0.087 | 0.359 |
| 100 | NC | L V Sutton | | 3 | D027133 | 1.076 | 0.037 | 0.006 | 0.463 | 0.063 | 0.263 | 0.086 | 0.014 | **1.076** | 0.147 | 0.602 | 0.063 | 0.019 | 0.877 | 0.120 | 0.493 |
| 101 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 1.074 | 0.082 | 0.012 | **1.009** | 0.138 | 0.565 | 0.076 | 0.024 | **1.074** | 0.147 | 0.601 | 0.070 | 0.029 | **1.056** | 0.144 | 0.591 |
| 102 | MN | Sherburne County | | 1, 2 | D06090CS1 | 1.066 | 0.056 | 0.026 | 0.881 | 0.121 | 0.495 | 0.061 | 0.038 | **1.066** | 0.146 | 0.596 | 0.036 | 0.028 | 0.686 | 0.094 | 0.388 |
| 103 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 1.041 | 0.083 | 0.014 | **1.041** | 0.142 | 0.582 | 0.051 | 0.036 | 0.940 | 0.128 | 0.527 | 0.064 | 0.024 | 0.949 | 0.130 | 0.533 |
| 104 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 1.024 | 0.037 | 0.007 | 0.470 | 0.064 | 0.267 | 0.046 | 0.013 | 0.623 | 0.085 | 0.353 | 0.076 | 0.020 | **1.024** | 0.140 | 0.573 |
| 105 | TX | Martin Lake | 6146 | 2 | | 1.012 | 0.090 | 0.005 | **1.012** | 0.138 | 0.567 | 0.067 | 0.003 | 0.751 | 0.103 | 0.424 | 0.059 | 0.001 | 0.646 | 0.089 | 0.366 |
| 106 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 1.008 | 0.057 | 0.009 | 0.703 | 0.096 | 0.397 | 0.067 | 0.027 | **1.008** | 0.138 | 0.565 | 0.062 | 0.011 | 0.774 | 0.106 | 0.437 |
| 107 | DE | Indian River | 594 | 4 | D005944 | 1.002 | 0.017 | 0.004 | 0.230 | 0.032 | 0.132 | 0.089 | 0.005 | **1.002** | 0.137 | 0.561 | 0.024 | 0.006 | 0.323 | 0.044 | 0.184 |
| 108 | OH | Killen Station | 6031 | 2 | D060312 | 1.001 | 0.059 | 0.012 | 0.769 | 0.105 | 0.433 | 0.047 | 0.041 | 0.946 | 0.129 | 0.531 | 0.064 | 0.029 | **1.001** | 0.137 | 0.561 |
| 109 | KY | Paradise | 1378 | 3 | D013783 | 0.987 | 0.033 | 0.057 | 0.969 | 0.133 | 0.544 | 0.027 | 0.064 | 0.987 | 0.135 | 0.553 | 0.036 | 0.050 | 0.936 | 0.128 | 0.525 |
| 110 | IN | Michigan City Generating Station | | 12 | D0099712 | 0.962 | 0.054 | 0.008 | 0.659 | 0.090 | 0.373 | 0.083 | 0.007 | 0.962 | 0.132 | 0.540 | 0.055 | 0.008 | 0.670 | 0.092 | 0.379 |
| 111 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 0.962 | 0.051 | 0.007 | 0.615 | 0.084 | 0.348 | 0.040 | 0.013 | 0.566 | 0.078 | 0.321 | 0.082 | 0.008 | 0.962 | 0.132 | 0.540 |
| 112 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 0.959 | 0.082 | 0.008 | 0.959 | 0.131 | 0.538 | | | | | | | | | | |
| 113 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 0.956 | 0.082 | 0.007 | 0.956 | 0.131 | 0.536 | 0.032 | 0.005 | 0.390 | 0.054 | 0.222 | 0.023 | 0.002 | 0.270 | 0.037 | 0.154 |
| 114 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 0.949 | 0.084 | 0.004 | 0.949 | 0.130 | 0.532 | 0.061 | 0.003 | 0.690 | 0.094 | 0.390 | 0.055 | 0.005 | 0.637 | 0.087 | 0.360 |
| 115 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 0.945 | 0.063 | 0.013 | 0.811 | 0.111 | 0.457 | 0.048 | 0.040 | 0.945 | 0.129 | 0.530 | 0.044 | 0.026 | 0.747 | 0.102 | 0.421 |
| 116 | TX | Martin Lake | 6146 | 3 | | 0.932 | 0.082 | 0.005 | 0.932 | 0.127 | 0.523 | 0.061 | 0.004 | 0.692 | 0.095 | 0.391 | 0.054 | 0.001 | 0.593 | 0.081 | 0.336 |
| 117 | IA | Ottumwa | | 1 | D062541 | 0.927 | 0.072 | 0.014 | 0.927 | 0.127 | 0.520 | 0.053 | 0.013 | 0.712 | 0.098 | 0.402 | 0.044 | 0.017 | 0.659 | 0.090 | 0.373 |
| 118 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.920 | 0.079 | 0.007 | 0.920 | 0.126 | 0.516 | 0.046 | 0.019 | 0.705 | 0.097 | 0.399 | 0.044 | 0.016 | 0.643 | 0.088 | 0.364 |
| 119 | MO | Labadie | | 4 | D021034 | 0.906 | 0.038 | 0.006 | 0.470 | 0.064 | 0.267 | 0.077 | 0.008 | 0.906 | 0.124 | 0.509 | 0.041 | 0.009 | 0.539 | 0.074 | 0.306 |
| 120 | GA | Yates | | Y6BR | D00728Y6R | 0.895 | 0.079 | 0.005 | 0.895 | 0.122 | 0.503 | 0.042 | 0.002 | 0.478 | 0.066 | 0.272 | 0.056 | 0.005 | 0.650 | 0.089 | 0.368 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | VA | Chesapeake Energy Center | | 2 | D038032 | 0.894 | 0.037 | 0.013 | 0.538 | 0.074 | 0.305 | 0.050 | 0.012 | 0.658 | 0.090 | 0.372 | 0.070 | 0.013 | 0.894 | 0.122 | 0.502 |
| 122 | NJ | B L England | 2378 | 1 | | 0.889 | 0.045 | 0.006 | 0.541 | 0.074 | 0.307 | 0.072 | 0.011 | 0.889 | 0.122 | 0.500 | 0.068 | 0.015 | 0.888 | 0.121 | 0.499 |
| 123 | OH | J M Stuart | 2850 | 4 | D028404 | 0.869 | 0.053 | 0.005 | 0.620 | 0.085 | 0.351 | 0.041 | 0.020 | 0.650 | 0.089 | 0.367 | 0.061 | 0.020 | 0.869 | 0.119 | 0.489 |
| 124 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.864 | 0.057 | 0.012 | 0.746 | 0.102 | 0.421 | 0.054 | 0.026 | 0.864 | 0.118 | 0.486 | 0.048 | 0.029 | 0.833 | 0.114 | 0.469 |
| 125 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.859 | 0.077 | 0.004 | 0.859 | 0.118 | 0.483 | 0.056 | 0.003 | 0.627 | 0.086 | 0.355 | 0.050 | 0.004 | 0.576 | 0.079 | 0.327 |
| 126 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.854 | 0.072 | 0.007 | 0.854 | 0.117 | 0.480 | 0.043 | 0.033 | 0.818 | 0.112 | 0.461 | 0.065 | 0.010 | 0.804 | 0.110 | 0.453 |
| 127 | KY | Mill Creek | 1364 | 4 | D013644 | 0.854 | 0.074 | 0.006 | 0.854 | 0.117 | 0.480 | 0.058 | 0.011 | 0.741 | 0.101 | 0.418 | 0.033 | 0.008 | 0.448 | 0.061 | 0.255 |
| 128 | IA | George Neal South | | 4 | D073434 | 0.842 | 0.048 | 0.013 | 0.660 | 0.090 | 0.373 | 0.060 | 0.018 | 0.842 | 0.115 | 0.474 | 0.060 | 0.018 | 0.834 | 0.114 | 0.469 |
| 129 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 0.840 | 0.057 | 0.005 | 0.659 | 0.090 | 0.373 | 0.064 | 0.014 | 0.840 | 0.115 | 0.473 | 0.043 | 0.007 | 0.538 | 0.074 | 0.305 |
| 130 | TX | Monticello | 6147 | 1 | | 0.834 | 0.075 | 0.003 | 0.834 | 0.114 | 0.469 | 0.056 | 0.002 | 0.620 | 0.085 | 0.351 | 0.049 | 0.001 | 0.537 | 0.074 | 0.305 |
| 131 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 0.823 | 0.056 | 0.005 | 0.644 | 0.088 | 0.364 | 0.063 | 0.014 | 0.823 | 0.113 | 0.463 | 0.042 | 0.007 | 0.527 | 0.072 | 0.299 |
| 132 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.799 | 0.053 | 0.022 | 0.799 | 0.109 | 0.450 | 0.045 | 0.021 | 0.714 | 0.098 | 0.403 | 0.041 | 0.023 | 0.685 | 0.094 | 0.387 |
| 133 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.789 | 0.071 | 0.002 | 0.789 | 0.108 | 0.445 | 0.054 | 0.004 | 0.621 | 0.085 | 0.352 | 0.061 | 0.004 | 0.700 | 0.096 | 0.395 |
| 134 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.788 | 0.051 | 0.022 | 0.788 | 0.108 | 0.444 | | | | | | | | | | |
| 135 | TX | Monticello | 6147 | 2 | | 0.783 | 0.071 | 0.003 | 0.783 | 0.107 | 0.441 | | | | | | | | | | |
| 136 | OH | Cardinal | 2828 | 1 | D028281 | 0.778 | 0.069 | 0.004 | 0.778 | 0.107 | 0.439 | | | | | | | | | | |
| 137 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.766 | 0.046 | 0.004 | 0.531 | 0.073 | 0.302 | 0.053 | 0.018 | 0.766 | 0.105 | 0.432 | 0.048 | 0.017 | 0.698 | 0.096 | 0.394 |
| 138 | IN | Merom | | 2SG1 | D062132G1 | 0.762 | 0.066 | 0.005 | 0.762 | 0.104 | 0.429 | | | | | | | | | | |
| 139 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.758 | 0.058 | 0.012 | 0.758 | 0.104 | 0.427 | | | | | | | | | | |
| 140 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.748 | 0.054 | 0.007 | 0.658 | 0.090 | 0.372 | 0.062 | 0.008 | 0.748 | 0.102 | 0.422 | 0.051 | 0.014 | 0.687 | 0.094 | 0.388 |
| 141 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.742 | 0.020 | 0.011 | 0.331 | 0.045 | 0.189 | 0.040 | 0.029 | 0.742 | 0.102 | 0.418 | 0.018 | 0.028 | 0.501 | 0.069 | 0.285 |
| 142 | AR | White Bluff | | 1 | D060091 | 0.738 | 0.045 | 0.023 | 0.738 | 0.101 | 0.416 | | | | | | | | | | |
| 143 | MA | Canal Station | 1599 | 1 | D015991 | 0.734 | 0.021 | 0.014 | 0.374 | 0.051 | 0.213 | 0.057 | 0.012 | 0.734 | 0.101 | 0.414 | 0.058 | 0.009 | 0.715 | 0.098 | 0.404 |
| 144 | AR | White Bluff | | 2 | D060092 | 0.734 | 0.044 | 0.025 | 0.734 | 0.100 | 0.414 | | | | | | | | | | |
| 145 | MI | River Rouge | | 3 | D017403 | 0.732 | 0.048 | 0.020 | 0.732 | 0.100 | 0.413 | | | | | | | | | | |
| 146 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 0.732 | 0.063 | 0.005 | 0.732 | 0.100 | 0.413 | | | | | | | | | | |
| 147 | TX | Monticello | 6147 | 3 | | 0.724 | 0.063 | 0.005 | 0.724 | 0.099 | 0.409 | | | | | | | | | | |
| 148 | OK | Sooner | 6095 | 1 | | 0.716 | 0.047 | 0.020 | 0.716 | 0.098 | 0.405 | | | | | | | | | | |
| 149 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.713 | 0.061 | 0.004 | 0.694 | 0.095 | 0.392 | 0.062 | 0.005 | 0.713 | 0.098 | 0.402 | 0.057 | 0.009 | 0.703 | 0.096 | 0.397 |
| 150 | OK | Sooner | | 2 | D060952 | 0.707 | 0.045 | 0.021 | 0.707 | 0.097 | 0.399 | | | | | | | | | | |
| 151 | NE | Nebraska City Station | | 1 | D060961 | 0.697 | 0.053 | 0.012 | 0.697 | 0.095 | 0.394 | | | | | | | | | | |
| 152 | VA | Chesapeake Energy Center | | 1 | D038031 | 0.696 | 0.026 | 0.015 | 0.441 | 0.060 | 0.251 | 0.036 | 0.013 | 0.519 | 0.071 | 0.295 | 0.051 | 0.014 | 0.696 | 0.095 | 0.393 |
| 153 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.695 | 0.060 | 0.005 | 0.695 | 0.095 | 0.392 | | | | | | | | | | |
| 154 | KY | Paradise | 1378 | 2 | D013782 | 0.694 | 0.055 | 0.010 | 0.694 | 0.095 | 0.392 | 0.052 | 0.012 | 0.683 | 0.094 | 0.386 | 0.056 | 0.008 | 0.683 | 0.094 | 0.386 |
| 155 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 0.690 | 0.041 | 0.023 | 0.690 | 0.094 | 0.390 | | | | | | | | | | |
| 156 | SC | Jefferies | 3319 | 4 | | 0.683 | 0.054 | 0.004 | 0.616 | 0.084 | 0.349 | 0.051 | 0.005 | 0.601 | 0.082 | 0.340 | 0.056 | 0.008 | 0.683 | 0.094 | 0.386 |
| 157 | TX | Limestone | 298 | LIM2 | | 0.681 | 0.053 | 0.011 | 0.681 | 0.093 | 0.385 | | | | | | | | | | |
| 158 | VA | Bremo Power Station | | 4 | D037964 | 0.671 | 0.035 | 0.007 | 0.452 | 0.062 | 0.257 | 0.036 | 0.021 | 0.613 | 0.084 | 0.347 | 0.042 | 0.021 | 0.671 | 0.092 | 0.379 |
| 159 | SC | Canadys Steam | | CAN3 | D03280CN3 | 0.670 | 0.057 | 0.005 | 0.670 | 0.092 | 0.379 | 0.049 | 0.005 | 0.582 | 0.080 | 0.330 | 0.033 | 0.007 | 0.431 | 0.059 | 0.245 |
| 160 | AR | Independence | | 1 | D066411 | 0.669 | 0.042 | 0.021 | 0.669 | 0.092 | 0.378 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | MO | New Madrid Power Plant | | 1 | D021671 | 0.668 | 0.019 | 0.042 | 0.668 | 0.091 | 0.377 | | | | | | | | | | |
| 162 | GA | Yates | | Y7BR | D00728Y7R | 0.665 | 0.058 | 0.004 | 0.665 | 0.091 | 0.376 | 0.031 | 0.002 | 0.355 | 0.049 | 0.203 | 0.042 | 0.004 | 0.484 | 0.066 | 0.275 |
| 163 | SC | Jefferies | 3319 | 3 | | 0.663 | 0.054 | 0.004 | 0.617 | 0.085 | 0.349 | 0.051 | 0.005 | 0.603 | 0.083 | 0.341 | 0.055 | 0.007 | 0.663 | 0.091 | 0.375 |
| 164 | IN | Gibson | 6113 | 5 | D061135 | 0.662 | 0.047 | 0.015 | 0.662 | 0.091 | 0.374 | | | | | | | | | | |
| 165 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 0.655 | 0.057 | 0.005 | 0.655 | 0.090 | 0.371 | | | | | | | | | | |
| 166 | MO | Rush Island | | 2 | D061552 | 0.655 | 0.057 | 0.004 | 0.655 | 0.090 | 0.371 | | | | | | | | | | |
| 167 | MN | Sherburne County | | 3 | D060903 | 0.650 | 0.046 | 0.014 | 0.650 | 0.089 | 0.368 | | | | | | | | | | |
| 168 | IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 0.648 | 0.050 | 0.011 | 0.648 | 0.089 | 0.367 | | | | | | | | | | |
| 169 | AR | Independence | | 2 | D066412 | 0.648 | 0.042 | 0.018 | 0.648 | 0.089 | 0.367 | | | | | | | | | | |
| 170 | NC | Cape Fear | 2708 | 6 | | 0.640 | 0.030 | 0.009 | 0.420 | 0.058 | 0.239 | 0.034 | 0.008 | 0.449 | 0.062 | 0.256 | 0.052 | 0.008 | 0.640 | 0.088 | 0.362 |
| 171 | MA | Salem Harbor Station | 1626 | 1 | | 0.640 | 0.022 | 0.015 | 0.405 | 0.056 | 0.231 | 0.041 | 0.018 | 0.640 | 0.088 | 0.362 | 0.019 | 0.006 | 0.273 | 0.037 | 0.156 |
| 172 | KS | Nearman Creek | 6064 | N1 | | 0.636 | 0.038 | 0.021 | 0.636 | 0.087 | 0.360 | | | | | | | | | | |
| 173 | TX | Limestone | 298 | LIM1 | | 0.633 | 0.049 | 0.010 | 0.633 | 0.087 | 0.358 | | | | | | | | | | |
| 174 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 0.627 | 0.031 | 0.027 | 0.627 | 0.086 | 0.355 | | | | | | | | | | |
| 175 | NC | L V Sutton | | 1, 2 | D02713C02 | 0.625 | 0.022 | 0.003 | 0.264 | 0.036 | 0.151 | 0.052 | 0.006 | 0.625 | 0.086 | 0.354 | 0.038 | 0.011 | 0.534 | 0.073 | 0.303 |
| 176 | MO | Rush Island | | 1 | D061551 | 0.622 | 0.055 | 0.003 | 0.622 | 0.085 | 0.352 | | | | | | | | | | |
| 177 | IA | Louisa | | 101 | D06664101 | 0.619 | 0.040 | 0.018 | 0.619 | 0.085 | 0.350 | | | | | | | | | | |
| 178 | KY | Paradise | 1378 | 1 | D01720C09 | 0.616 | 0.048 | 0.009 | 0.616 | 0.084 | 0.349 | 0.045 | 0.012 | 0.609 | 0.083 | 0.345 | 0.049 | 0.007 | 0.604 | 0.083 | 0.342 |
| 179 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 0.604 | 0.035 | 0.021 | 0.604 | 0.083 | 0.342 | | | | | | | | | | |
| 180 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 0.604 | 0.051 | 0.006 | 0.604 | 0.083 | 0.342 | | | | | | | | | | |
| 181 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.599 | 0.050 | 0.003 | 0.570 | 0.078 | 0.323 | 0.052 | 0.004 | 0.599 | 0.082 | 0.339 | 0.047 | 0.007 | 0.572 | 0.078 | 0.324 |
| 182 | MA | Canal Station | 1599 | 2 | D015992 | 0.597 | 0.012 | 0.019 | 0.334 | 0.046 | 0.191 | 0.034 | 0.021 | 0.597 | 0.082 | 0.338 | 0.040 | 0.012 | 0.561 | 0.077 | 0.318 |
| 183 | IL | Newton | | 2 | D060172 | 0.596 | 0.051 | 0.005 | 0.596 | 0.082 | 0.338 | | | | | | | | | | |
| 184 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.594 | 0.038 | 0.017 | 0.594 | 0.081 | 0.337 | | | | | | | | | | |
| 185 | MA | Brayton Point | 1619 | 4 | x07 | 0.593 | 0.015 | 0.010 | 0.272 | 0.037 | 0.156 | 0.032 | 0.016 | 0.517 | 0.071 | 0.294 | 0.040 | 0.016 | 0.593 | 0.081 | 0.336 |
| 186 | GA | Scherer | | 4 | D062574 | 0.583 | 0.047 | 0.007 | 0.583 | 0.080 | 0.331 | 0.031 | 0.006 | 0.395 | 0.054 | 0.225 | 0.027 | 0.005 | 0.343 | 0.047 | 0.195 |
| 187 | OH | Cardinal | 2828 | 2 | D028282 | 0.578 | 0.050 | 0.004 | 0.578 | 0.079 | 0.328 | | | | | | | | | | |
| 188 | GA | Scherer | | 1 | D062571 | 0.576 | 0.046 | 0.008 | 0.576 | 0.079 | 0.326 | 0.030 | 0.007 | 0.395 | 0.054 | 0.225 | 0.026 | 0.005 | 0.340 | 0.047 | 0.194 |
| 189 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.570 | 0.027 | 0.026 | 0.570 | 0.078 | 0.323 | | | | | | | | | | |
| 190 | GA | Scherer | | 2 | D062572 | 0.568 | 0.046 | 0.007 | 0.568 | 0.078 | 0.322 | 0.030 | 0.006 | 0.389 | 0.053 | 0.222 | 0.026 | 0.005 | 0.335 | 0.046 | 0.191 |
| 191 | OK | Grand River Dam Authority | | 1 | D001651 | 0.564 | 0.040 | 0.013 | 0.564 | 0.077 | 0.320 | 0.040 | 0.011 | 0.541 | 0.074 | 0.307 | 0.042 | 0.010 | 0.555 | 0.076 | 0.315 |
| 192 | WV | Longview Power | 56671 | 1 | | 0.562 | 0.047 | 0.005 | 0.562 | 0.077 | 0.319 | | | | | | | | | | |
| 193 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.560 | 0.027 | 0.013 | 0.422 | 0.058 | 0.240 | 0.033 | 0.019 | 0.560 | 0.077 | 0.318 | | | | | |
| 194 | IN | Gibson | 6113 | 4 | D061135 | 0.559 | 0.016 | 0.036 | 0.559 | 0.077 | 0.317 | | | | | | | | | | |
| 195 | MO | New Madrid Power Plant | | 2 | D021672 | 0.547 | 0.019 | 0.032 | 0.547 | 0.075 | 0.310 | | | | | | | | | | |
| 196 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 0.543 | 0.032 | 0.018 | 0.543 | 0.074 | 0.308 | | | | | | | | | | |
| 197 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 0.537 | 0.045 | 0.005 | 0.537 | 0.074 | 0.305 | | | | | | | | | | |
| 198 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 0.524 | 0.016 | 0.032 | 0.524 | 0.072 | 0.298 | | | | | | | | | | |
| 199 | KS | La Cygne | 1241 | 1 | | 0.520 | 0.039 | 0.009 | 0.520 | 0.071 | 0.295 | 0.031 | 0.006 | 0.393 | 0.054 | 0.224 | 0.019 | 0.008 | 0.292 | 0.040 | 0.167 |
| 200 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 0.519 | 0.038 | 0.011 | 0.519 | 0.071 | 0.295 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | NH | Schiller | 2367 | 6 | | 0.512 | 0.013 | 0.007 | 0.210 | 0.029 | 0.120 | 0.027 | 0.020 | 0.512 | 0.070 | 0.291 | 0.016 | 0.004 | 0.219 | 0.030 | 0.125 |
| 202 | OH | Eastlake | 2837 | 1 | D028371 | 0.508 | 0.042 | 0.006 | 0.508 | 0.070 | 0.289 | | | | | | | | | | |
| 203 | NH | Schiller | 2367 | 4 | | 0.505 | 0.013 | 0.007 | 0.207 | 0.028 | 0.118 | 0.027 | 0.020 | 0.505 | 0.069 | 0.287 | 0.016 | 0.004 | 0.216 | 0.030 | 0.124 |
| 204 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 0.502 | 0.028 | 0.019 | 0.502 | 0.069 | 0.285 | | | | | | | | | | |
| 205 | CT | Middletown | 562 | 4 | | 0.502 | 0.022 | 0.024 | 0.502 | 0.069 | 0.285 | | | | | | | | | | |
| 206 | SC | H B Robinson | | 1 | D032511 | 0.502 | 0.032 | 0.006 | 0.409 | 0.056 | 0.233 | 0.040 | 0.007 | 0.502 | 0.069 | 0.285 | 0.029 | 0.011 | 0.428 | 0.059 | 0.243 |
| 207 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 0.501 | 0.041 | 0.005 | 0.501 | 0.069 | 0.284 | | | | | | | | | | |
| 208 | MI | Monroe | 1733 | 3,4 | D01733C34 | 0.492 | 0.025 | 0.021 | 0.492 | 0.067 | 0.279 | | | | | | | | | | |
| 209 | OH | Eastlake | 2837 | 2 | D028372 | 0.487 | 0.040 | 0.005 | 0.487 | 0.067 | 0.277 | | | | | | | | | | |
| 210 | MO | Labadie | | 3 | D021033 | 0.473 | 0.039 | 0.006 | 0.473 | 0.065 | 0.269 | | | | | | | | | | |
| 211 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 0.470 | 0.032 | 0.011 | 0.470 | 0.064 | 0.267 | | | | | | | | | | |
| 212 | OK | Muskogee | 2952 | 4 | | 0.469 | 0.031 | 0.012 | 0.469 | 0.064 | 0.267 | | | | | | | | | | |
| 213 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.466 | 0.034 | 0.010 | 0.466 | 0.064 | 0.265 | | | | | | | | | | |
| 214 | WI | Edgewater (4050) | 4050 | 5 | | 0.461 | 0.034 | 0.009 | 0.461 | 0.063 | 0.262 | | | | | | | | | | |
| 215 | NJ | B L England | 2378 | 2,3 | x12 | 0.459 | 0.014 | 0.009 | 0.240 | 0.033 | 0.138 | 0.022 | 0.016 | 0.412 | 0.057 | 0.235 | 0.021 | 0.022 | 0.459 | 0.063 | 0.261 |
| 216 | WI | Nelson Dewey | 4054 | 2 | | 0.457 | 0.038 | 0.005 | 0.457 | 0.063 | 0.260 | | | | | | | | | | |
| 217 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 0.449 | 0.036 | 0.006 | 0.449 | 0.062 | 0.256 | | | | | | | | | | |
| 218 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.447 | 0.037 | 0.005 | 0.447 | 0.061 | 0.255 | | | | | | | | | | |
| 219 | MO | Labadie | | 1 | D021031 | 0.446 | 0.036 | 0.005 | 0.446 | 0.061 | 0.254 | | | | | | | | | | |
| 220 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.438 | 0.015 | 0.025 | 0.438 | 0.060 | 0.250 | | | | | | | | | | |
| 221 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 0.437 | 0.014 | 0.026 | 0.437 | 0.060 | 0.249 | | | | | | | | | | |
| 222 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.436 | 0.028 | 0.013 | 0.436 | 0.060 | 0.248 | | | | | | | | | | |
| 223 | OK | Muskogee | | 5 | D029525 | 0.430 | 0.030 | 0.011 | 0.430 | 0.059 | 0.245 | | | | | | | | | | |
| 224 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 0.430 | 0.033 | 0.007 | 0.430 | 0.059 | 0.245 | | | | | | | | | | |
| 225 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.423 | 0.017 | 0.011 | 0.304 | 0.042 | 0.174 | 0.015 | 0.021 | 0.385 | 0.053 | 0.220 | 0.023 | 0.016 | 0.423 | 0.058 | 0.241 |
| 226 | OH | Eastlake | 2837 | 3 | D028373 | 0.422 | 0.035 | 0.005 | 0.422 | 0.058 | 0.240 | | | | | | | | | | |
| 227 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.415 | 0.019 | 0.009 | 0.301 | 0.041 | 0.172 | 0.016 | 0.017 | 0.357 | 0.049 | 0.204 | 0.026 | 0.013 | 0.415 | 0.057 | 0.236 |
| 228 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 0.415 | 0.031 | 0.008 | 0.415 | 0.057 | 0.236 | | | | | | | | | | |
| 229 | PA | Shawville | 3131 | 1 | D031311 | 0.411 | 0.031 | 0.007 | 0.411 | 0.056 | 0.234 | | | | | | | | | | |
| 230 | PA | Shawville | 3131 | 2 | D031312 | 0.403 | 0.031 | 0.007 | 0.403 | 0.055 | 0.230 | | | | | | | | | | |
| 231 | OH | Miami Fort Power Station | | 8 | D028328 | 0.385 | 0.029 | 0.007 | 0.385 | 0.053 | 0.220 | | | | | | | | | | |
| 232 | IN | Cayuga | 1001 | 2 | D010012 | 0.385 | 0.015 | 0.020 | 0.385 | 0.053 | 0.219 | | | | | | | | | | |
| 233 | TX | Welsh Power Plant | 6139 | 3 | | 0.383 | 0.030 | 0.006 | 0.383 | 0.053 | 0.219 | | | | | | | | | | |
| 234 | OH | Conesville | 2840 | 4 | D028504 | 0.382 | 0.028 | 0.008 | 0.382 | 0.052 | 0.218 | | | | | | | | | | |
| 235 | OK | Hugo | | 1 | D067721 | 0.379 | 0.031 | 0.004 | 0.379 | 0.052 | 0.216 | | | | | | | | | | |
| 236 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 0.378 | 0.027 | 0.008 | 0.378 | 0.052 | 0.216 | | | | | | | | | | |
| 237 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.374 | 0.024 | 0.010 | 0.361 | 0.050 | 0.206 | 0.021 | 0.014 | 0.374 | 0.051 | 0.213 | 0.019 | 0.016 | 0.372 | 0.051 | 0.212 |
| 238 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 0.374 | 0.022 | 0.013 | 0.374 | 0.051 | 0.213 | | | | | | | | | | |
| 239 | TX | Welsh Power Plant | 6139 | 2 | | 0.368 | 0.030 | 0.005 | 0.368 | 0.051 | 0.210 | | | | | | | | | | |
| 240 | TX | Welsh Power Plant | 6139 | 1 | | 0.368 | 0.029 | 0.005 | 0.368 | 0.051 | 0.210 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | IA | George Neal North | | 3 | D010913 | 0.363 | 0.025 | 0.009 | 0.363 | 0.050 | 0.207 | | | | | | | | | | |
| 242 | NC | Riverbend | 2732 | 9 | | 0.356 | 0.032 | 0.002 | 0.356 | 0.049 | 0.203 | | | | | | | | | | |
| 243 | IN | Cayuga | 1001 | 1 | D010011 | 0.348 | 0.013 | 0.019 | 0.348 | 0.048 | 0.199 | | | | | | | | | | |
| 244 | IL | Joliet 29 | | 81, 82 | D00384C82 | 0.340 | 0.023 | 0.008 | 0.340 | 0.047 | 0.194 | | | | | | | | | | |
| 245 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.335 | 0.021 | 0.010 | 0.335 | 0.046 | 0.191 | | | | | | | | | | |
| 246 | KY | Green River | | 5 | D013575 | 0.312 | 0.026 | 0.003 | 0.312 | 0.043 | 0.178 | | | | | | | | | | |
| 247 | IL | Marion | | 4 | D009764 | 0.311 | 0.026 | 0.004 | 0.311 | 0.043 | 0.177 | | | | | | | | | | |
| 248 | AL | Greene County | 10 | 1 | | 0.307 | 0.027 | 0.001 | 0.307 | 0.042 | 0.176 | | | | | | | | | | |
| 249 | CT | New Haven Harbor | 6156 | NHB1 | | 0.307 | 0.018 | 0.010 | 0.307 | 0.042 | 0.175 | | | | | | | | | | |
| 250 | KY | D B Wilson | | W1 | D06823W1 | 0.306 | 0.025 | 0.003 | 0.306 | 0.042 | 0.175 | | | | | | | | | | |
| 251 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 0.303 | 0.023 | 0.005 | 0.303 | 0.042 | 0.173 | | | | | | | | | | |
| 252 | WV | John E Amos | 3935 | 3 | D039353 | 0.298 | 0.021 | 0.007 | 0.298 | 0.041 | 0.170 | | | | | | | | | | |
| 253 | TN | Cumberland | 3399 | 1 | | 0.288 | 0.018 | 0.009 | 0.288 | 0.040 | 0.165 | | | | | | | | | | |
| 254 | OH | W H Sammis | 2866 | 7 | D028667 | 0.287 | 0.016 | 0.011 | 0.287 | 0.039 | 0.164 | | | | | | | | | | |
| 255 | KY | Ghent | 1356 | 1,2 ... (1,4) | D01356C01 | 0.287 | 0.021 | 0.006 | 0.287 | 0.039 | 0.164 | | | | | | | | | | |
| 256 | NC | Marshall | 2727 | 1,2 | x11 | 0.277 | 0.014 | 0.012 | 0.277 | 0.038 | 0.158 | | | | | | | | | | |
| 257 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.275 | 0.024 | 0.001 | 0.275 | 0.038 | 0.157 | | | | | | | | | | |
| 258 | OH | W H Sammis | 2866 | 6 | D02866M6A | 0.274 | 0.017 | 0.009 | 0.274 | 0.038 | 0.157 | | | | | | | | | | |
| 259 | KY | Green River | | 4 | D013574 | 0.268 | 0.022 | 0.003 | 0.268 | 0.037 | 0.153 | | | | | | | | | | |
| 260 | NC | Belews Creek | 8042 | 2 | D080422 | 0.266 | 0.010 | 0.015 | 0.266 | 0.037 | 0.152 | | | | | | | | | | |
| 261 | NC | Belews Creek | 8042 | 1 | D080421 | 0.265 | 0.009 | 0.015 | 0.265 | 0.036 | 0.152 | | | | | | | | | | |
| 262 | AL | E C Gaston | 26 | 5 | | 0.264 | 0.013 | 0.011 | 0.264 | 0.036 | 0.151 | | | | | | | | | | |
| 263 | IL | Wood River Power Station | | 5 | D008985 | 0.261 | 0.019 | 0.005 | 0.261 | 0.036 | 0.149 | | | | | | | | | | |
| 264 | KY | East Bend | 6018 | 2 | D060182 | 0.260 | 0.017 | 0.008 | 0.260 | 0.036 | 0.149 | | | | | | | | | | |
| 265 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.260 | 0.017 | 0.007 | 0.260 | 0.036 | 0.148 | | | | | | | | | | |
| 266 | OH | J M Stuart | 2850 | 3 | D028503 | 0.259 | 0.020 | 0.005 | 0.259 | 0.036 | 0.148 | | | | | | | | | | |
| 267 | GA | Bowen | 703 | 1BLR | D007031LR | 0.258 | 0.008 | 0.015 | 0.258 | 0.035 | 0.147 | | | | | | | | | | |
| 268 | NC | Roxboro | 2712 | 2 | D027122 | 0.255 | 0.017 | 0.006 | 0.255 | 0.035 | 0.146 | | | | | | | | | | |
| 269 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.255 | 0.022 | 0.002 | 0.255 | 0.035 | 0.146 | | | | | | | | | | |
| 270 | NC | Marshall | 2727 | 4 | D027274 | 0.254 | 0.011 | 0.012 | 0.254 | 0.035 | 0.145 | | | | | | | | | | |
| 271 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 0.253 | 0.012 | 0.011 | 0.253 | 0.035 | 0.145 | | | | | | | | | | |
| 272 | GA | Bowen | 703 | 4BLR | D007034LR | 0.250 | 0.005 | 0.018 | 0.250 | 0.034 | 0.143 | | | | | | | | | | |
| 273 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.244 | 0.019 | 0.004 | 0.244 | 0.034 | 0.140 | | | | | | | | | | |
| 274 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 0.242 | 0.011 | 0.011 | 0.242 | 0.033 | 0.138 | | | | | | | | | | |
| 275 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.242 | 0.019 | 0.003 | 0.242 | 0.033 | 0.138 | | | | | | | | | | |
| 276 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.239 | 0.020 | 0.003 | 0.239 | 0.033 | 0.137 | | | | | | | | | | |
| 277 | OH | J M Stuart | 2850 | 1 | D028501 | 0.239 | 0.019 | 0.004 | 0.239 | 0.033 | 0.137 | | | | | | | | | | |
| 278 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 0.236 | 0.010 | 0.011 | 0.236 | 0.032 | 0.135 | | | | | | | | | | |
| 279 | WI | Genoa | 4143 | 1 | | 0.232 | 0.017 | 0.004 | 0.232 | 0.032 | 0.133 | | | | | | | | | | |
| 280 | MD | Morgantown | 1573 | 2 | D015732 | 0.230 | 0.018 | 0.003 | 0.230 | 0.032 | 0.132 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.227 | 0.014 | 0.007 | 0.227 | 0.031 | 0.130 | | | | | | | | | | |
| 282 | NY | Northport | 2516 | 3 | D025163 | 0.218 | 0.015 | 0.005 | 0.218 | 0.030 | 0.125 | | | | | | | | | | |
| 283 | MO | Sikeston | | 1 | D067681 | 0.217 | 0.016 | 0.004 | 0.217 | 0.030 | 0.124 | | | | | | | | | | |
| 284 | MO | Meramec | | 3 | D021043 | 0.216 | 0.017 | 0.003 | 0.216 | 0.030 | 0.124 | | | | | | | | | | |
| 285 | SC | McMeekin | | MCM2 | D03287MM2 | 0.210 | 0.018 | 0.001 | 0.210 | 0.029 | 0.120 | | | | | | | | | | |
| 286 | GA | Bowen | 703 | 2BLR | D007032LR | 0.206 | 0.004 | 0.015 | 0.206 | 0.028 | 0.118 | | | | | | | | | | |
| 287 | SC | McMeekin | | MCM1 | D03287MM1 | 0.202 | 0.017 | 0.002 | 0.202 | 0.028 | 0.116 | | | | | | | | | | |
| 288 | GA | Yates | | Y5BR | D00728Y5R | 0.196 | 0.017 | 0.002 | 0.196 | 0.027 | 0.112 | | | | | | | | | | |
| 289 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.183 | 0.010 | 0.007 | 0.183 | 0.025 | 0.105 | | | | | | | | | | |
| 290 | NC | Roxboro | 2712 | 1 | D027121 | 0.180 | 0.011 | 0.006 | 0.180 | 0.025 | 0.103 | | | | | | | | | | |
| 291 | KS | Quindaro | 1295 | 2 | | 0.175 | 0.011 | 0.005 | 0.175 | 0.024 | 0.100 | | | | | | | | | | |
| 292 | OH | J M Stuart | 2850 | 2 | D028502 | 0.168 | 0.011 | 0.005 | 0.168 | 0.023 | 0.096 | | | | | | | | | | |
| 293 | OH | W H Sammis | 2866 | 5 | D028665 | 0.165 | 0.007 | 0.009 | 0.165 | 0.023 | 0.095 | | | | | | | | | | |
| 294 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.164 | 0.009 | 0.007 | 0.164 | 0.023 | 0.094 | | | | | | | | | | |
| 295 | NC | Marshall | 2727 | 3 | D027273 | 0.158 | 0.012 | 0.003 | 0.158 | 0.022 | 0.091 | | | | | | | | | | |
| 296 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 0.158 | 0.011 | 0.004 | 0.158 | 0.022 | 0.091 | | | | | | | | | | |
| 297 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.156 | 0.010 | 0.005 | 0.156 | 0.021 | 0.089 | | | | | | | | | | |
| 298 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.154 | 0.010 | 0.005 | 0.154 | 0.021 | 0.088 | | | | | | | | | | |
| 299 | GA | Bowen | 703 | 3BLR | D007033LR | 0.128 | 0.005 | 0.007 | 0.128 | 0.018 | 0.073 | | | | | | | | | | |
| 300 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.108 | 0.005 | 0.005 | 0.108 | 0.015 | 0.062 | | | | | | | | | | |
| 301 | NC | Cliffside | 2721 | 5 | D027215 | 0.108 | 0.007 | 0.003 | 0.108 | 0.015 | 0.062 | | | | | | | | | | |
| 302 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.102 | 0.004 | 0.006 | 0.102 | 0.014 | 0.059 | | | | | | | | | | |
| 303 | DE | Edge Moor | 593 | 5 | D005935 | 0.086 | 0.006 | 0.002 | 0.086 | 0.012 | 0.049 | | | | | | | | | | |
| 304 | ME | William F Wyman | 1507 | 3 | | 0.065 | 0.005 | 0.002 | 0.065 | 0.009 | 0.038 | | | | | | | | | | |
| 305 | SC | Winyah | 6249 | 1 | D062491 | 0.042 | 0.002 | 0.002 | 0.042 | 0.006 | 0.024 | | | | | | | | | | |
| 306 | ME | William F Wyman | 1507 | 1 | | 0.038 | 0.002 | 0.001 | 0.038 | 0.005 | 0.022 | | | | | | | | | | |
| 307 | ME | William F Wyman | 1507 | 2 | | 0.037 | 0.002 | 0.001 | 0.037 | 0.005 | 0.021 | | | | | | | | | | |
| 308 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.022 | 0.002 | 0.000 | 0.022 | 0.003 | 0.013 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## F.10 2015 EGU Ranking Visibility Impairing Sources to Lye Brook

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | PA | Homer City | 3122 | 1 | D031221 | 8.638 | 0.712 | 0.033 | 8.316 | 1.059 | 3.837 | 0.699 | 0.145 | 8.638 | 1.191 | 4.252 | 0.659 | 0.064 | 7.865 | 1.028 | 3.738 |
| 2 | PA | Homer City | 3122 | 2 | D031222 | 7.666 | 0.628 | 0.029 | 7.291 | 0.938 | 3.448 | 0.616 | 0.129 | 7.666 | 1.057 | 3.833 | 0.581 | 0.057 | 6.933 | 0.911 | 3.362 |
| 3 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 7.223 | 0.378 | 0.028 | 4.329 | 0.585 | 2.249 | 0.494 | 0.040 | 6.745 | 0.766 | 2.878 | 0.589 | 0.076 | 7.223 | 0.948 | 3.480 |
| 4 | OH | Muskingum River | 2872 | 5 | D028725 | 5.560 | 0.508 | 0.007 | 5.560 | 0.739 | 2.786 | 0.319 | 0.012 | 3.728 | 0.478 | 1.866 | 0.464 | 0.009 | 5.112 | 0.680 | 2.582 |
| 5 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 4.990 | 0.145 | 0.053 | 2.144 | 0.289 | 1.160 | 0.203 | 0.037 | 3.051 | 0.349 | 1.387 | 0.395 | 0.067 | 4.990 | 0.664 | 2.527 |
| 6 | ME | William F Wyman | 1507 | 4 | D015074 | 4.634 | 0.058 | 0.018 | 0.818 | 0.112 | 0.459 | 0.224 | 0.033 | 4.634 | 0.373 | 1.478 | 0.116 | 0.037 | 1.651 | 0.225 | 0.909 |
| 7 | NH | Merrimack | 2364 | 2 | D023642 | 3.277 | 0.032 | 0.161 | 1.650 | 0.286 | 1.146 | 0.061 | 0.068 | 3.277 | 0.190 | 0.771 | 0.015 | 0.049 | 0.691 | 0.095 | 0.391 |
| 8 | PA | Keystone | 3136 | 1 | D031361 | 3.184 | 0.194 | 0.040 | 2.685 | 0.341 | 1.357 | 0.178 | 0.211 | 3.184 | 0.565 | 2.179 | 0.165 | 0.092 | 2.771 | 0.374 | 1.482 |
| 9 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 3.090 | 0.193 | 0.014 | 2.197 | 0.301 | 1.204 | 0.239 | 0.058 | 2.943 | 0.431 | 1.693 | 0.251 | 0.037 | 3.090 | 0.416 | 1.639 |
| 10 | PA | Keystone | 3136 | 2 | D031362 | 3.074 | 0.186 | 0.040 | 2.595 | 0.328 | 1.308 | 0.171 | 0.207 | 3.074 | 0.548 | 2.120 | 0.158 | 0.090 | 2.676 | 0.362 | 1.434 |
| 11 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 2.845 | 0.166 | 0.081 | 2.653 | 0.360 | 1.427 | 0.160 | 0.121 | 2.845 | 0.409 | 1.610 | 0.116 | 0.052 | 1.798 | 0.244 | 0.986 |
| 12 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 2.761 | 0.242 | 0.013 | 2.761 | 0.371 | 1.469 | 0.119 | 0.013 | 1.605 | 0.193 | 0.785 | 0.200 | 0.013 | 2.285 | 0.310 | 1.237 |
| 13 | WV | Harrison Power Station | | 1 (25%), 2 (20% | D03944C01 | 2.732 | 0.096 | 0.050 | 1.574 | 0.214 | 0.865 | 0.061 | 0.159 | 2.732 | 0.325 | 1.295 | 0.073 | 0.067 | 1.516 | 0.206 | 0.837 |
| 14 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 2.577 | 0.190 | 0.015 | 2.185 | 0.298 | 1.192 | 0.220 | 0.029 | 2.577 | 0.362 | 1.436 | 0.176 | 0.022 | 2.120 | 0.288 | 1.153 |
| 15 | NH | Newington | 8002 | 1 | D080021 | 2.546 | 0.051 | 0.067 | 1.076 | 0.174 | 0.710 | 0.102 | 0.023 | 2.546 | 0.183 | 0.747 | 0.044 | 0.031 | 0.809 | 0.111 | 0.456 |
| 16 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 2.515 | 0.224 | 0.012 | 2.515 | 0.343 | 1.363 | 0.138 | 0.027 | 2.052 | 0.241 | 0.973 | 0.188 | 0.018 | 2.209 | 0.299 | 1.198 |
| 17 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.514 | 0.073 | 0.028 | 1.102 | 0.148 | 0.608 | 0.135 | 0.033 | 2.147 | 0.246 | 0.993 | 0.197 | 0.037 | 2.514 | 0.340 | 1.353 |
| 18 | PA | Montour | 3149 | 1 | D031491 | 2.474 | 0.108 | 0.073 | 2.002 | 0.265 | 1.066 | 0.074 | 0.100 | 2.474 | 0.255 | 1.029 | 0.072 | 0.092 | 1.779 | 0.242 | 0.976 |
| 19 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 2.472 | 0.106 | 0.054 | 1.710 | 0.235 | 0.949 | 0.075 | 0.171 | 2.472 | 0.361 | 1.431 | 0.079 | 0.122 | 2.179 | 0.295 | 1.183 |
| 20 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 2.453 | 0.137 | 0.035 | 1.987 | 0.252 | 1.015 | 0.103 | 0.165 | 2.453 | 0.394 | 1.554 | 0.115 | 0.089 | 2.208 | 0.299 | 1.198 |
| 21 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 2.403 | 0.131 | 0.016 | 1.698 | 0.215 | 0.872 | 0.157 | 0.041 | 2.403 | 0.289 | 1.160 | 0.114 | 0.037 | 1.625 | 0.221 | 0.895 |
| 22 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 2.374 | 0.066 | 0.035 | 1.064 | 0.150 | 0.612 | 0.160 | 0.033 | 2.374 | 0.281 | 1.128 | 0.098 | 0.061 | 1.712 | 0.233 | 0.941 |
| 23 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 2.364 | 0.194 | 0.024 | 2.364 | 0.316 | 1.263 | 0.143 | 0.086 | 2.037 | 0.335 | 1.333 | 0.161 | 0.040 | 2.163 | 0.293 | 1.175 |
| 24 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 2.265 | 0.077 | 0.052 | 1.415 | 0.189 | 0.769 | 0.071 | 0.058 | 1.520 | 0.189 | 0.770 | 0.112 | 0.098 | 2.265 | 0.307 | 1.227 |
| 25 | PA | Montour | 3149 | 2 | D031492 | 2.243 | 0.089 | 0.073 | 1.874 | 0.237 | 0.956 | 0.061 | 0.099 | 2.243 | 0.235 | 0.951 | 0.059 | 0.092 | 1.636 | 0.223 | 0.901 |
| 26 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 2.224 | 0.123 | 0.014 | 1.568 | 0.200 | 0.814 | 0.147 | 0.037 | 2.224 | 0.268 | 1.079 | 0.107 | 0.033 | 1.502 | 0.205 | 0.830 |
| 27 | IN | Tanners Creek | 988 | U4 | D00988U4 | 2.134 | 0.187 | 0.009 | 2.134 | 0.285 | 1.144 | 0.099 | 0.032 | 1.306 | 0.192 | 0.779 | 0.104 | 0.021 | 1.340 | 0.183 | 0.744 |
| 28 | PA | Homer City | | 3 | D031223 | 2.042 | 0.082 | 0.037 | 1.365 | 0.176 | 0.716 | 0.069 | 0.126 | 2.042 | 0.287 | 1.149 | 0.070 | 0.056 | 1.356 | 0.185 | 0.752 |
| 29 | OH | Conesville | 2840 | 5,6 | D02840C06 | 1.953 | 0.053 | 0.031 | 0.859 | 0.123 | 0.507 | 0.057 | 0.074 | 1.953 | 0.192 | 0.782 | 0.058 | 0.046 | 1.120 | 0.153 | 0.626 |
| 30 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33% | D02535C01 | 1.929 | 0.050 | 0.017 | 0.734 | 0.097 | 0.402 | 0.124 | 0.018 | 1.929 | 0.208 | 0.843 | 0.054 | 0.026 | 0.853 | 0.117 | 0.480 |
| 31 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 1.905 | 0.157 | 0.021 | 1.905 | 0.259 | 1.043 | 0.093 | 0.017 | 1.218 | 0.160 | 0.654 | 0.089 | 0.013 | 1.088 | 0.149 | 0.608 |
| 32 | MA | Brayton Point | 1619 | 4 | x07 | 1.811 | 0.045 | 0.032 | 0.832 | 0.114 | 0.469 | 0.096 | 0.037 | 1.578 | 0.194 | 0.790 | 0.119 | 0.049 | 1.811 | 0.246 | 0.993 |
| 33 | OH | Killen Station | 6031 | 2 | D060312 | 1.699 | 0.082 | 0.029 | 1.305 | 0.163 | 0.666 | 0.065 | 0.110 | 1.606 | 0.258 | 1.037 | 0.089 | 0.069 | 1.699 | 0.231 | 0.934 |
| 34 | PA | Brunner Island | 3140 | 3 | D031403 | 1.592 | 0.099 | 0.042 | 1.573 | 0.207 | 0.838 | 0.051 | 0.072 | 1.516 | 0.180 | 0.735 | 0.060 | 0.087 | 1.592 | 0.217 | 0.878 |
| 35 | MI | Trenton Channel | 1745 | 9A | D017459A | 1.555 | 0.127 | 0.018 | 1.555 | 0.212 | 0.860 | 0.114 | 0.016 | 1.405 | 0.190 | 0.773 | 0.088 | 0.018 | 1.137 | 0.155 | 0.635 |
| 36 | MI | Belle River | | 2 | D060342 | 1.504 | 0.089 | 0.049 | 1.504 | 0.203 | 0.825 | 0.082 | 0.020 | 1.448 | 0.149 | 0.608 | 0.051 | 0.041 | 0.993 | 0.136 | 0.557 |
| 37 | MI | St. Clair | 1743 | 7 | D017437 | 1.435 | 0.102 | 0.018 | 1.300 | 0.176 | 0.716 | 0.114 | 0.016 | 1.435 | 0.191 | 0.777 | 0.092 | 0.020 | 1.199 | 0.164 | 0.668 |
| 38 | MI | Belle River | | 1 | D060341 | 1.409 | 0.079 | 0.049 | 1.409 | 0.189 | 0.767 | 0.073 | 0.020 | 1.357 | 0.135 | 0.554 | 0.045 | 0.041 | 0.932 | 0.127 | 0.523 |
| 39 | MI | St. Clair | 1743 | 6 | D017436 | 1.384 | 0.108 | 0.010 | 1.255 | 0.173 | 0.705 | 0.122 | 0.014 | 1.384 | 0.198 | 0.803 | 0.114 | 0.014 | 1.377 | 0.188 | 0.764 |
| 40 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 1.338 | 0.115 | 0.016 | 1.329 | 0.191 | 0.777 | 0.093 | 0.049 | 1.338 | 0.208 | 0.845 | 0.051 | 0.023 | 0.801 | 0.110 | 0.451 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | NH | Merrimack | 2364 | 1 | D023641 | 1.277 | 0.011 | 0.066 | 0.649 | 0.115 | 0.474 | 0.021 | 0.028 | 1.277 | 0.073 | 0.300 | 0.005 | 0.020 | 0.275 | 0.038 | 0.157 |
| 42 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 1.238 | 0.066 | 0.020 | 0.985 | 0.127 | 0.523 | 0.078 | 0.046 | 1.238 | 0.182 | 0.743 | 0.069 | 0.030 | 1.062 | 0.145 | 0.594 |
| 43 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.209 | 0.002 | 0.042 | 0.599 | 0.065 | 0.269 | 0.002 | 0.121 | 0.999 | 0.183 | 0.747 | 0.002 | 0.109 | **1.209** | 0.165 | 0.673 |
| 44 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 1.186 | 0.067 | 0.040 | **1.184** | 0.157 | 0.643 | 0.065 | 0.022 | **1.186** | 0.128 | 0.526 | 0.041 | 0.042 | 0.905 | 0.124 | 0.508 |
| 45 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.173 | 0.068 | 0.007 | 0.803 | 0.110 | 0.452 | 0.105 | 0.006 | **1.173** | 0.162 | 0.662 | 0.069 | 0.007 | 0.817 | 0.112 | 0.460 |
| 46 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 1.141 | 0.074 | 0.002 | 0.795 | 0.111 | 0.456 | 0.086 | 0.002 | **1.141** | 0.129 | 0.528 | 0.079 | 0.003 | 0.876 | 0.120 | 0.493 |
| 47 | TX | Big Brown | 3497 | 1 | | 1.140 | 0.104 | 0.003 | **1.140** | 0.156 | 0.638 | 0.077 | 0.004 | 0.847 | 0.119 | 0.489 | 0.069 | 0.001 | 0.741 | 0.102 | 0.418 |
| 48 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.128 | 0.072 | 0.023 | **1.128** | 0.139 | 0.570 | 0.043 | 0.015 | 0.690 | 0.086 | 0.354 | 0.033 | 0.019 | 0.553 | 0.076 | 0.314 |
| 49 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 1.111 | 0.076 | 0.023 | **1.111** | 0.144 | 0.589 | 0.046 | 0.055 | **1.075** | 0.150 | 0.613 | 0.059 | 0.039 | **1.049** | 0.143 | 0.587 |
| 50 | TX | Big Brown | 3497 | 2 | | 1.094 | 0.100 | 0.003 | **1.094** | 0.150 | 0.614 | 0.074 | 0.004 | 0.813 | 0.115 | 0.471 | 0.066 | 0.001 | 0.712 | 0.097 | 0.402 |
| 51 | PA | Cheswick | 8226 | 1 | D082261 | 1.092 | 0.043 | 0.024 | 0.955 | 0.100 | 0.411 | 0.042 | 0.137 | **1.092** | 0.264 | **1.061** | 0.045 | 0.054 | **1.072** | 0.146 | 0.599 |
| 52 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.070 | 0.066 | 0.007 | 0.790 | 0.107 | 0.442 | 0.093 | 0.007 | **1.070** | 0.146 | 0.600 | 0.081 | 0.008 | 0.952 | 0.130 | 0.534 |
| 53 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 1.066 | 0.075 | 0.006 | 0.883 | 0.119 | 0.490 | 0.068 | 0.040 | **1.066** | 0.159 | 0.648 | 0.070 | 0.024 | **1.007** | 0.138 | 0.564 |
| 54 | MA | Canal Station | 1599 | 1 | D015991 | 1.056 | 0.029 | 0.025 | 0.537 | 0.079 | 0.328 | 0.078 | 0.014 | **1.056** | 0.135 | 0.554 | 0.080 | 0.016 | **1.028** | 0.140 | 0.575 |
| 55 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 1.041 | 0.072 | 0.013 | 0.892 | 0.125 | 0.512 | 0.055 | 0.046 | **1.041** | 0.148 | 0.608 | 0.050 | 0.026 | 0.822 | 0.112 | 0.463 |
| 56 | MA | Canal Station | 1599 | 2 | D015992 | 1.039 | 0.020 | 0.038 | 0.582 | 0.086 | 0.355 | 0.056 | 0.017 | **1.039** | 0.107 | 0.441 | 0.067 | 0.024 | 0.978 | 0.134 | 0.548 |
| 57 | MI | J C Weadock | | 7, 8 | D01720C09 | 1.036 | 0.032 | 0.009 | 0.438 | 0.060 | 0.250 | 0.078 | 0.010 | **1.036** | 0.129 | 0.529 | 0.065 | 0.020 | 0.909 | 0.124 | 0.511 |
| 58 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 0.978 | 0.032 | 0.019 | 0.453 | 0.075 | 0.309 | 0.050 | 0.045 | 0.978 | 0.140 | 0.575 | 0.024 | 0.028 | 0.562 | 0.077 | 0.319 |
| 59 | MD | C P Crane | 1552 | 2 | D015522 | 0.972 | 0.033 | 0.016 | 0.626 | 0.071 | 0.296 | 0.039 | 0.020 | 0.972 | 0.087 | 0.361 | 0.029 | 0.034 | 0.688 | 0.094 | 0.389 |
| 60 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.960 | 0.075 | 0.017 | 0.960 | 0.135 | 0.554 | 0.038 | 0.034 | 0.446 | 0.106 | 0.438 | 0.032 | 0.008 | 0.432 | 0.059 | 0.246 |
| 61 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.946 | 0.077 | 0.008 | 0.946 | 0.125 | 0.512 | 0.045 | 0.031 | 0.725 | 0.113 | 0.465 | 0.043 | 0.018 | 0.661 | 0.091 | 0.374 |
| 62 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.944 | 0.085 | 0.003 | 0.944 | 0.129 | 0.529 | 0.065 | 0.006 | 0.743 | 0.103 | 0.426 | 0.073 | 0.005 | 0.837 | 0.115 | 0.471 |
| 63 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.929 | 0.030 | 0.012 | 0.415 | 0.062 | 0.257 | 0.061 | 0.024 | 0.929 | 0.125 | 0.514 | 0.028 | 0.030 | 0.628 | 0.086 | 0.355 |
| 64 | IL | Powerton | | 51,52,61,62 | D00879C06 | 0.921 | 0.038 | 0.017 | 0.578 | 0.080 | 0.332 | 0.045 | 0.011 | 0.715 | 0.081 | 0.337 | 0.065 | 0.021 | 0.921 | 0.126 | 0.517 |
| 65 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 0.908 | 0.051 | 0.008 | 0.629 | 0.086 | 0.357 | 0.082 | 0.009 | 0.908 | 0.133 | 0.546 | 0.072 | 0.011 | 0.893 | 0.122 | 0.502 |
| 66 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 0.906 | 0.082 | 0.003 | 0.906 | 0.125 | 0.512 | 0.060 | 0.005 | 0.659 | 0.095 | 0.393 | 0.053 | 0.004 | 0.608 | 0.083 | 0.345 |
| 67 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.888 | 0.044 | 0.018 | 0.766 | 0.091 | 0.376 | 0.041 | 0.057 | 0.888 | 0.146 | 0.597 | 0.037 | 0.042 | 0.855 | 0.117 | 0.481 |
| 68 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.830 | 0.065 | 0.011 | 0.830 | 0.111 | 0.457 | 0.039 | 0.022 | 0.796 | 0.089 | 0.369 | 0.058 | 0.015 | 0.782 | 0.107 | 0.441 |
| 69 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.823 | 0.075 | 0.003 | 0.823 | 0.113 | 0.466 | 0.054 | 0.005 | 0.601 | 0.087 | 0.358 | 0.049 | 0.003 | 0.552 | 0.076 | 0.313 |
| 70 | GA | Yates | | Y6BR | D00728Y6R | 0.799 | 0.069 | 0.005 | 0.799 | 0.109 | 0.448 | 0.037 | 0.005 | 0.427 | 0.061 | 0.254 | 0.049 | 0.005 | 0.580 | 0.079 | 0.329 |
| 71 | TX | Martin Lake | 6146 | 1 | | 0.770 | 0.067 | 0.005 | 0.770 | 0.106 | 0.436 | 0.050 | 0.006 | 0.571 | 0.082 | 0.341 | 0.044 | 0.001 | 0.489 | 0.067 | 0.278 |
| 72 | TX | Monticello | 6147 | 1 | | 0.763 | 0.069 | 0.003 | 0.763 | 0.104 | 0.430 | 0.051 | 0.003 | 0.567 | 0.080 | 0.331 | 0.045 | 0.001 | 0.492 | 0.067 | 0.280 |
| 73 | TX | Martin Lake | 6146 | 3 | | 0.729 | 0.064 | 0.005 | 0.729 | 0.100 | 0.414 | 0.048 | 0.006 | 0.541 | 0.078 | 0.324 | 0.042 | 0.001 | 0.463 | 0.064 | 0.263 |
| 74 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 0.725 | 0.059 | 0.006 | 0.725 | 0.095 | 0.393 | 0.059 | 0.003 | 0.722 | 0.091 | 0.375 | 0.052 | 0.003 | 0.597 | 0.082 | 0.338 |
| 75 | MD | Brandon Shores | 602 | 2 | D006022 | 0.690 | 0.019 | 0.008 | 0.279 | 0.040 | 0.165 | 0.023 | 0.005 | 0.690 | 0.041 | 0.169 | 0.021 | 0.009 | 0.330 | 0.045 | 0.188 |
| 76 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 0.682 | 0.019 | 0.014 | 0.544 | 0.048 | 0.201 | 0.020 | 0.038 | 0.682 | 0.086 | 0.354 | 0.012 | 0.023 | 0.378 | 0.052 | 0.215 |
| 77 | MD | Brandon Shores | 602 | 1 | D006021 | 0.664 | 0.021 | 0.006 | 0.274 | 0.039 | 0.163 | 0.025 | 0.003 | 0.664 | 0.042 | 0.173 | 0.023 | 0.007 | 0.323 | 0.044 | 0.184 |
| 78 | IA | Ottumwa | | 1 | D062541 | 0.641 | 0.038 | 0.016 | 0.641 | 0.079 | 0.327 | 0.028 | 0.013 | 0.493 | 0.060 | 0.250 | 0.023 | 0.019 | 0.456 | 0.063 | 0.259 |
| 79 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 0.611 | 0.055 | 0.003 | 0.611 | 0.084 | 0.349 | 0.039 | 0.005 | 0.445 | 0.063 | 0.263 | 0.048 | 0.007 | 0.594 | 0.081 | 0.337 |
| 80 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 0.596 | 0.050 | 0.006 | 0.596 | 0.082 | 0.339 | 0.029 | 0.004 | 0.380 | 0.048 | 0.201 | 0.029 | 0.004 | 0.350 | 0.048 | 0.200 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.592 | 0.029 | 0.012 | 0.426 | 0.059 | 0.245 | 0.024 | 0.012 | 0.540 | 0.053 | 0.220 | 0.038 | 0.017 | 0.592 | 0.081 | 0.336 |
| 82 | TX | Martin Lake | 6146 | 2 | | 0.588 | 0.051 | 0.005 | 0.588 | 0.082 | 0.339 | 0.038 | 0.006 | 0.437 | 0.065 | 0.268 | 0.034 | 0.001 | 0.376 | 0.052 | 0.214 |
| 83 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.585 | 0.030 | 0.010 | 0.424 | 0.058 | 0.243 | 0.025 | 0.010 | 0.503 | 0.052 | 0.218 | 0.039 | 0.015 | 0.585 | 0.080 | 0.332 |
| 84 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 0.566 | 0.031 | 0.011 | 0.531 | 0.061 | 0.255 | 0.029 | 0.034 | 0.566 | 0.094 | 0.386 | 0.026 | 0.025 | 0.556 | 0.076 | 0.315 |
| 85 | MD | C P Crane | 1552 | 1 | D015521 | 0.565 | 0.017 | 0.010 | 0.366 | 0.039 | 0.164 | 0.020 | 0.013 | 0.565 | 0.048 | 0.201 | 0.015 | 0.022 | 0.401 | 0.055 | 0.228 |
| 86 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 0.564 | 0.021 | 0.010 | 0.467 | 0.045 | 0.187 | 0.022 | 0.027 | 0.564 | 0.073 | 0.303 | 0.013 | 0.016 | 0.316 | 0.043 | 0.181 |
| 87 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.550 | 0.024 | 0.005 | 0.381 | 0.043 | 0.179 | 0.028 | 0.024 | 0.550 | 0.078 | 0.322 | 0.025 | 0.021 | 0.501 | 0.069 | 0.284 |
| 88 | MO | Labadie | | 4 | D021034 | 0.523 | 0.021 | 0.004 | 0.271 | 0.037 | 0.153 | 0.042 | 0.006 | 0.523 | 0.071 | 0.294 | 0.023 | 0.006 | 0.311 | 0.043 | 0.178 |
| 89 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 0.518 | 0.028 | 0.001 | 0.316 | 0.042 | 0.175 | 0.034 | 0.002 | 0.462 | 0.052 | 0.218 | 0.048 | 0.001 | 0.518 | 0.071 | 0.294 |
| 90 | OH | J M Stuart | 2850 | 4 | D028404 | 0.512 | 0.026 | 0.005 | 0.365 | 0.045 | 0.187 | 0.020 | 0.028 | 0.382 | 0.070 | 0.291 | 0.030 | 0.017 | 0.512 | 0.070 | 0.291 |
| 91 | IA | George Neal South | | 4 | D073434 | 0.495 | 0.024 | 0.011 | 0.388 | 0.053 | 0.219 | 0.030 | 0.009 | 0.495 | 0.058 | 0.239 | 0.030 | 0.015 | 0.490 | 0.067 | 0.279 |
| 92 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.442 | 0.033 | 0.009 | 0.442 | 0.062 | 0.258 | 0.028 | 0.009 | 0.395 | 0.055 | 0.227 | 0.025 | 0.010 | 0.379 | 0.052 | 0.216 |
| 93 | NH | Schiller | 2367 | 4 | | 0.428 | 0.011 | 0.006 | 0.175 | 0.024 | 0.101 | 0.023 | 0.005 | 0.428 | 0.041 | 0.172 | 0.013 | 0.004 | 0.183 | 0.025 | 0.105 |
| 94 | NJ | B L England | 2378 | 2,3 | x12 | 0.425 | 0.012 | 0.009 | 0.222 | 0.030 | 0.125 | 0.019 | 0.023 | 0.381 | 0.063 | 0.259 | 0.018 | 0.021 | 0.425 | 0.058 | 0.242 |
| 95 | MI | Monroe | 1733 | 1,2 | D01733C12 | 0.418 | 0.010 | 0.013 | 0.360 | 0.034 | 0.142 | 0.009 | 0.016 | 0.418 | 0.037 | 0.153 | 0.007 | 0.023 | 0.326 | 0.045 | 0.186 |
| 96 | NH | Schiller | 2367 | 6 | | 0.418 | 0.011 | 0.005 | 0.171 | 0.023 | 0.097 | 0.023 | 0.005 | 0.418 | 0.040 | 0.168 | 0.013 | 0.003 | 0.178 | 0.024 | 0.102 |
| 97 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.403 | 0.005 | 0.020 | 0.333 | 0.037 | 0.152 | 0.005 | 0.020 | 0.403 | 0.038 | 0.159 | 0.003 | 0.021 | 0.260 | 0.036 | 0.148 |
| 98 | MD | Morgantown | 1573 | 1 | D015731 | 0.395 | 0.021 | 0.003 | 0.255 | 0.036 | 0.149 | 0.020 | 0.003 | 0.249 | 0.033 | 0.139 | 0.033 | 0.004 | 0.395 | 0.054 | 0.225 |
| 99 | OH | Cardinal | 2828 | 3 | D028283 | 0.372 | 0.023 | 0.007 | 0.326 | 0.043 | 0.181 | 0.018 | 0.022 | 0.276 | 0.058 | 0.242 | 0.026 | 0.009 | 0.372 | 0.051 | 0.212 |
| 100 | MA | Brayton Point | 1619 | 2 | D016192 | 0.362 | 0.006 | 0.016 | 0.149 | 0.032 | 0.135 | 0.014 | 0.018 | 0.348 | 0.046 | 0.192 | 0.017 | 0.017 | 0.362 | 0.050 | 0.206 |
| 101 | OK | Grand River Dam Authority | | 1 | D001651 | 0.348 | 0.031 | 0.000 | 0.348 | 0.045 | 0.187 | 0.031 | 0.000 | 0.334 | 0.045 | 0.188 | 0.032 | 0.000 | 0.343 | 0.047 | 0.196 |
| 102 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.341 | 0.014 | 0.004 | 0.298 | 0.027 | 0.112 | 0.015 | 0.010 | 0.341 | 0.038 | 0.159 | 0.008 | 0.010 | 0.192 | 0.026 | 0.110 |
| 103 | KY | Mill Creek | 1364 | 4 | D013644 | 0.339 | 0.007 | 0.009 | 0.339 | 0.024 | 0.098 | 0.005 | 0.025 | 0.294 | 0.045 | 0.188 | 0.003 | 0.013 | 0.178 | 0.024 | 0.102 |
| 104 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.334 | 0.010 | 0.003 | 0.140 | 0.019 | 0.081 | 0.025 | 0.004 | 0.334 | 0.042 | 0.176 | 0.022 | 0.007 | 0.317 | 0.044 | 0.181 |
| 105 | KY | Paradise | 1378 | 3 | D013783 | 0.325 | 0.015 | 0.014 | 0.319 | 0.042 | 0.176 | 0.012 | 0.020 | 0.325 | 0.048 | 0.199 | 0.017 | 0.012 | 0.308 | 0.042 | 0.176 |
| 106 | DE | Indian River | 594 | 4 | D005944 | 0.322 | 0.006 | 0.001 | 0.074 | 0.010 | 0.042 | 0.030 | 0.002 | 0.322 | 0.047 | 0.194 | 0.008 | 0.001 | 0.104 | 0.014 | 0.060 |
| 107 | KY | Paradise | 1378 | 2 | D013782 | 0.319 | 0.023 | 0.007 | 0.319 | 0.045 | 0.186 | 0.022 | 0.009 | 0.314 | 0.045 | 0.187 | 0.024 | 0.005 | 0.314 | 0.043 | 0.179 |
| 108 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 0.319 | 0.018 | 0.002 | 0.222 | 0.030 | 0.126 | 0.010 | 0.006 | 0.134 | 0.024 | 0.100 | 0.026 | 0.004 | 0.319 | 0.044 | 0.182 |
| 109 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.280 | 0.001 | 0.007 | 0.129 | 0.012 | 0.051 | 0.003 | 0.008 | 0.280 | 0.016 | 0.065 | 0.001 | 0.012 | 0.146 | 0.020 | 0.084 |
| 110 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.274 | 0.017 | 0.008 | 0.264 | 0.036 | 0.149 | 0.015 | 0.013 | 0.274 | 0.041 | 0.170 | 0.013 | 0.012 | 0.272 | 0.037 | 0.156 |
| 111 | MA | Brayton Point | 1619 | 3 | D016193 | 0.258 | 0.006 | 0.009 | 0.130 | 0.022 | 0.094 | 0.011 | 0.009 | 0.230 | 0.030 | 0.124 | 0.013 | 0.011 | 0.258 | 0.035 | 0.148 |
| 112 | KY | Paradise | 1378 | 1 | D01720C09 | 0.257 | 0.019 | 0.006 | 0.257 | 0.036 | 0.150 | 0.017 | 0.007 | 0.254 | 0.036 | 0.150 | 0.019 | 0.005 | 0.252 | 0.035 | 0.144 |
| 113 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.246 | 0.010 | 0.005 | 0.179 | 0.023 | 0.095 | 0.014 | 0.005 | 0.246 | 0.028 | 0.116 | 0.015 | 0.006 | 0.222 | 0.031 | 0.127 |
| 114 | MA | Brayton Point | 1619 | 1 | D016191 | 0.228 | 0.006 | 0.004 | 0.089 | 0.015 | 0.061 | 0.014 | 0.005 | 0.220 | 0.029 | 0.122 | 0.017 | 0.005 | 0.228 | 0.031 | 0.131 |
| 115 | WI | Columbia | | 1 | D080231 | 0.221 | 0.005 | 0.007 | 0.128 | 0.018 | 0.074 | 0.006 | 0.013 | 0.171 | 0.028 | 0.115 | 0.008 | 0.013 | 0.221 | 0.030 | 0.126 |
| 116 | WI | Columbia | | 2 | D080232 | 0.199 | 0.005 | 0.006 | 0.121 | 0.017 | 0.069 | 0.006 | 0.013 | 0.165 | 0.029 | 0.119 | 0.008 | 0.011 | 0.199 | 0.027 | 0.114 |
| 117 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.189 | 0.006 | 0.002 | 0.085 | 0.012 | 0.049 | 0.007 | 0.003 | 0.103 | 0.015 | 0.061 | 0.013 | 0.004 | 0.189 | 0.026 | 0.108 |
| 118 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.176 | 0.002 | 0.007 | 0.155 | 0.013 | 0.055 | 0.002 | 0.007 | 0.176 | 0.014 | 0.058 | 0.002 | 0.013 | 0.162 | 0.022 | 0.093 |
| 119 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.122 | 0.004 | 0.001 | 0.056 | 0.008 | 0.032 | 0.005 | 0.002 | 0.074 | 0.011 | 0.046 | 0.009 | 0.003 | 0.122 | 0.017 | 0.070 |
| 120 | GA | Scherer | | 4 | D062574 | 0.118 | 0.001 | 0.008 | 0.118 | 0.014 | 0.060 | 0.001 | 0.004 | 0.080 | 0.008 | 0.033 | 0.001 | 0.006 | 0.069 | 0.010 | 0.040 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | GA | Scherer | | 1 | D062571 | 0.117 | 0.001 | 0.009 | 0.117 | 0.014 | 0.060 | 0.001 | 0.005 | 0.080 | 0.008 | 0.033 | 0.001 | 0.006 | 0.069 | 0.010 | 0.040 |
| 122 | GA | Scherer | | 2 | D062572 | 0.089 | 0.001 | 0.007 | 0.089 | 0.011 | 0.045 | 0.000 | 0.004 | 0.061 | 0.006 | 0.025 | 0.000 | 0.005 | 0.053 | 0.007 | 0.030 |
| 123 | GA | Yates | | Y7BR | D00728Y7R | 0.078 | 0.000 | 0.005 | 0.078 | 0.008 | 0.034 | 0.000 | 0.005 | 0.042 | 0.007 | 0.030 | 0.000 | 0.005 | 0.057 | 0.008 | 0.033 |
| 124 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.072 | 0.002 | 0.002 | 0.070 | 0.006 | 0.024 | 0.002 | 0.008 | 0.072 | 0.014 | 0.059 | 0.002 | 0.005 | 0.071 | 0.010 | 0.041 |
| 125 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.066 | 0.002 | 0.002 | 0.063 | 0.005 | 0.022 | 0.002 | 0.006 | 0.066 | 0.012 | 0.049 | 0.001 | 0.004 | 0.063 | 0.009 | 0.037 |
| 126 | KS | La Cygne | 1241 | 1 | | 0.066 | 0.007 | 0.000 | 0.066 | 0.010 | 0.042 | 0.005 | 0.000 | 0.050 | 0.008 | 0.032 | 0.003 | 0.000 | 0.037 | 0.005 | 0.021 |
| 127 | VA | Bremo Power Station | | 4 | D037964 | 0.060 | 0.000 | 0.002 | 0.040 | 0.003 | 0.012 | 0.000 | 0.004 | 0.055 | 0.006 | 0.026 | 0.000 | 0.005 | 0.060 | 0.008 | 0.034 |
| 128 | KS | La Cygne | | 2 | D012412 | 0.021 | 0.002 | 0.000 | 0.021 | 0.003 | 0.013 | 0.002 | 0.000 | 0.017 | 0.002 | 0.010 | 0.001 | 0.000 | 0.010 | 0.001 | 0.006 |

## F.11 2011 EGU Ranking Visibility Impairing Sources to Moosehorn

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 17.573 | 1.306 | 0.103 | 17.573 | 2.649 | 6.260 | 1.038 | 0.273 | 16.242 | 2.472 | 5.901 | 1.079 | 0.209 | 15.976 | 2.436 | 5.828 |
| 2 | MI | Monroe | 1733 | 1,2 | D01733C12 | 7.931 | 0.341 | 0.056 | 4.840 | 0.802 | 2.148 | 0.280 | 0.102 | 4.657 | 0.773 | 2.075 | 0.506 | 0.141 | 7.931 | 1.283 | 3.312 |
| 3 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 7.920 | 0.441 | 0.027 | 5.719 | 0.941 | 2.493 | 0.413 | 0.020 | 5.274 | 0.871 | 2.320 | 0.616 | 0.030 | 7.920 | 1.281 | 3.308 |
| 4 | MA | Brayton Point | 1619 | 3 | D016193 | 6.963 | 0.520 | 0.049 | 6.963 | 1.135 | 2.962 | 0.486 | 0.050 | 6.551 | 1.071 | 2.809 | 0.315 | 0.034 | 4.252 | 0.708 | 1.910 |
| 5 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 6.530 | 0.515 | 0.020 | 6.530 | 1.068 | 2.801 | 0.333 | 0.054 | 4.709 | 0.782 | 2.096 | 0.313 | 0.051 | 4.424 | 0.736 | 1.981 |
| 6 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 5.923 | 0.430 | 0.011 | 5.385 | 0.889 | 2.363 | 0.458 | 0.027 | 5.923 | 0.974 | 2.572 | 0.238 | 0.012 | 3.043 | 0.512 | 1.403 |
| 7 | NH | Merrimack | 2364 | 2 | D023642 | 5.830 | 0.381 | 0.071 | 5.515 | 0.909 | 2.414 | 0.356 | 0.075 | 5.256 | 0.868 | 2.313 | 0.440 | 0.038 | 5.830 | 0.959 | 2.536 |
| 8 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 5.216 | 0.398 | 0.029 | 5.216 | 0.862 | 2.297 | 0.230 | 0.055 | 3.464 | 0.581 | 1.583 | 0.341 | 0.037 | 4.608 | 0.765 | 2.055 |
| 9 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 4.072 | 0.264 | 0.070 | 4.072 | 0.679 | 1.837 | 0.171 | 0.062 | 2.829 | 0.477 | 1.311 | 0.171 | 0.035 | 2.502 | 0.423 | 1.168 |
| 10 | PA | Homer City | 3122 | 2 | D031222 | 3.858 | 0.307 | 0.010 | 3.858 | 0.645 | 1.748 | 0.212 | 0.032 | 2.959 | 0.498 | 1.367 | 0.196 | 0.021 | 2.634 | 0.445 | 1.226 |
| 11 | PA | Homer City | 3122 | 1 | D031221 | 3.832 | 0.307 | 0.008 | 3.832 | 0.640 | 1.737 | 0.211 | 0.026 | 2.881 | 0.485 | 1.334 | 0.196 | 0.017 | 2.584 | 0.436 | 1.204 |
| 12 | OH | Eastlake | | 5 | D028375 | 3.775 | 0.269 | 0.021 | 3.523 | 0.590 | 1.608 | 0.195 | 0.030 | 2.726 | 0.460 | 1.266 | 0.279 | 0.031 | 3.775 | 0.631 | 1.714 |
| 13 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 3.615 | 0.264 | 0.033 | 3.615 | 0.605 | 1.647 | 0.156 | 0.021 | 2.146 | 0.364 | 1.010 | 0.159 | 0.016 | 2.120 | 0.359 | 0.998 |
| 14 | MA | Brayton Point | 1619 | 2 | D016192 | 3.151 | 0.225 | 0.034 | 3.151 | 0.530 | 1.450 | 0.169 | 0.031 | 2.429 | 0.411 | 1.136 | 0.207 | 0.041 | 3.008 | 0.506 | 1.388 |
| 15 | NH | Merrimack | 2364 | 1 | D023641 | 2.875 | 0.191 | 0.032 | 2.698 | 0.455 | 1.254 | 0.178 | 0.033 | 2.564 | 0.433 | 1.195 | 0.220 | 0.017 | 2.875 | 0.484 | 1.331 |
| 16 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 2.827 | 0.224 | 0.009 | 2.827 | 0.477 | 1.310 | 0.148 | 0.021 | 2.048 | 0.347 | 0.966 | 0.095 | 0.012 | 1.292 | 0.221 | 0.620 |
| 17 | MA | Brayton Point | 1619 | 1 | D016191 | 2.792 | 0.208 | 0.022 | 2.792 | 0.471 | 1.295 | 0.166 | 0.022 | 2.280 | 0.386 | 1.070 | 0.199 | 0.026 | 2.728 | 0.460 | 1.267 |
| 18 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 2.789 | 0.181 | 0.010 | 2.313 | 0.391 | 1.084 | 0.204 | 0.025 | 2.789 | 0.470 | 1.294 | 0.121 | 0.012 | 1.600 | 0.272 | 0.762 |
| 19 | PA | Cheswick | 8226 | 1 | D082261 | 2.650 | 0.207 | 0.011 | 2.650 | 0.447 | 1.233 | 0.141 | 0.041 | 2.214 | 0.375 | 1.040 | 0.108 | 0.021 | 1.561 | 0.266 | 0.744 |
| 20 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 2.645 | 0.143 | 0.027 | 2.057 | 0.349 | 0.970 | 0.149 | 0.068 | 2.645 | 0.447 | 1.231 | 0.098 | 0.040 | 1.675 | 0.285 | 0.797 |
| 21 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 2.553 | 0.159 | 0.024 | 2.224 | 0.377 | 1.045 | 0.153 | 0.017 | 2.065 | 0.350 | 0.973 | 0.197 | 0.014 | 2.553 | 0.431 | 1.190 |
| 22 | ME | William F Wyman | 1507 | 4 | D015074 | 2.548 | 0.159 | 0.051 | 2.548 | 0.430 | 1.188 | 0.117 | 0.033 | 1.824 | 0.310 | 0.865 | 0.118 | 0.017 | 1.628 | 0.277 | 0.775 |
| 23 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.472 | 0.176 | 0.028 | 2.472 | 0.418 | 1.155 | 0.111 | 0.022 | 1.609 | 0.274 | 0.766 | 0.175 | 0.015 | 2.299 | 0.389 | 1.078 |
| 24 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 2.432 | 0.189 | 0.011 | 2.432 | 0.411 | 1.137 | 0.063 | 0.012 | 0.915 | 0.157 | 0.443 | 0.065 | 0.011 | 0.930 | 0.159 | 0.450 |
| 25 | PA | Keystone | 3136 | 1 | D031361 | 2.428 | 0.173 | 0.027 | 2.428 | 0.411 | 1.135 | 0.113 | 0.075 | 2.292 | 0.388 | 1.075 | 0.110 | 0.044 | 1.875 | 0.318 | 0.888 |
| 26 | PA | Keystone | 3136 | 2 | D031362 | 2.417 | 0.172 | 0.027 | 2.417 | 0.409 | 1.130 | 0.112 | 0.075 | 2.280 | 0.386 | 1.069 | 0.110 | 0.043 | 1.865 | 0.317 | 0.883 |
| 27 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 2.381 | 0.174 | 0.005 | 2.164 | 0.367 | 1.018 | 0.185 | 0.011 | 2.381 | 0.403 | 1.115 | 0.096 | 0.005 | 1.227 | 0.210 | 0.590 |
| 28 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 2.303 | 0.171 | 0.013 | 2.231 | 0.378 | 1.048 | 0.150 | 0.031 | 2.203 | 0.373 | 1.035 | 0.169 | 0.021 | 2.303 | 0.390 | 1.080 |
| 29 | NC | L V Sutton | | 3 | D027133 | 2.294 | 0.179 | 0.011 | 2.294 | 0.388 | 1.076 | 0.118 | 0.021 | 1.682 | 0.286 | 0.800 | 0.035 | 0.012 | 0.570 | 0.098 | 0.278 |
| 30 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.287 | 0.109 | 0.012 | 1.457 | 0.248 | 0.697 | 0.113 | 0.016 | 1.564 | 0.266 | 0.746 | 0.163 | 0.025 | 2.287 | 0.387 | 1.073 |
| 31 | MI | St. Clair | 1743 | 7 | D017437 | 2.184 | 0.128 | 0.014 | 1.725 | 0.293 | 0.820 | 0.164 | 0.016 | 2.184 | 0.370 | 1.027 | 0.133 | 0.022 | 1.878 | 0.319 | 0.889 |
| 32 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 2.173 | 0.156 | 0.019 | 2.114 | 0.358 | 0.996 | 0.149 | 0.030 | 2.173 | 0.368 | 1.022 | 0.073 | 0.013 | 1.041 | 0.178 | 0.503 |
| 33 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 2.153 | 0.085 | 0.035 | 1.462 | 0.249 | 0.699 | 0.113 | 0.042 | 1.891 | 0.321 | 0.895 | 0.114 | 0.063 | 2.153 | 0.365 | 1.013 |
| 34 | NH | Newington | 8002 | 1 | D080021 | 2.128 | 0.159 | 0.016 | 2.128 | 0.361 | 1.002 | 0.126 | 0.037 | 1.976 | 0.335 | 0.933 | 0.115 | 0.016 | 1.593 | 0.271 | 0.759 |
| 35 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 2.071 | 0.139 | 0.006 | 1.747 | 0.297 | 0.830 | 0.157 | 0.014 | 2.071 | 0.351 | 0.976 | 0.093 | 0.006 | 1.196 | 0.204 | 0.575 |
| 36 | IN | Tanners Creek | 988 | U4 | D00988U4 | 2.023 | 0.152 | 0.010 | 1.970 | 0.334 | 0.931 | 0.152 | 0.015 | 2.023 | 0.343 | 0.955 | 0.080 | 0.007 | 1.061 | 0.181 | 0.512 |
| 37 | OH | Muskingum River | 2872 | 5 | D028725 | 2.006 | 0.163 | 0.002 | 2.006 | 0.340 | 0.947 | 0.104 | 0.006 | 1.334 | 0.228 | 0.639 | 0.101 | 0.006 | 1.297 | 0.221 | 0.622 |
| 38 | VA | Chesapeake Energy Center | | 4 | D038034 | 1.998 | 0.149 | 0.016 | 1.998 | 0.339 | 0.943 | 0.076 | 0.013 | 1.080 | 0.185 | 0.521 | 0.089 | 0.009 | 1.189 | 0.203 | 0.572 |
| 39 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.978 | 0.047 | 0.016 | 0.771 | 0.132 | 0.375 | 0.060 | 0.015 | 0.914 | 0.156 | 0.442 | 0.125 | 0.038 | 1.978 | 0.336 | 0.934 |
| 40 | MA | Canal Station | 1599 | 1 | D015991 | 1.932 | 0.113 | 0.017 | 1.581 | 0.269 | 0.754 | 0.133 | 0.026 | 1.932 | 0.328 | 0.913 | 0.076 | 0.017 | 1.120 | 0.192 | 0.540 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | PA | Portland | | 3 (2) | d031132 | 1.909 | 0.115 | 0.009 | **1.505** | 0.256 | 0.719 | 0.134 | 0.022 | **1.883** | 0.320 | 0.892 | 0.132 | 0.025 | **1.909** | 0.324 | 0.903 |
| 42 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 1.873 | 0.048 | 0.021 | 0.839 | 0.144 | 0.407 | 0.086 | 0.068 | **1.873** | 0.318 | 0.887 | 0.062 | 0.050 | **1.360** | 0.232 | 0.652 |
| 43 | PA | Brunner Island | 3140 | 3 | D031403 | 1.854 | 0.056 | 0.031 | **1.063** | 0.182 | 0.513 | 0.068 | 0.084 | **1.854** | 0.315 | 0.878 | 0.086 | 0.052 | **1.686** | 0.287 | 0.802 |
| 44 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33 | D02535C01 | 1.831 | 0.137 | 0.014 | **1.831** | 0.311 | 0.868 | 0.113 | 0.014 | **1.528** | 0.260 | 0.729 | 0.098 | 0.020 | **1.440** | 0.246 | 0.689 |
| 45 | OH | Cardinal | 2828 | 3 | D028283 | 1.820 | 0.147 | 0.004 | **1.820** | 0.309 | 0.863 | 0.109 | 0.007 | **1.404** | 0.239 | 0.672 | 0.071 | 0.006 | 0.923 | 0.158 | 0.447 |
| 46 | MI | Belle River | | 2 | D060342 | 1.659 | 0.068 | 0.030 | **1.191** | 0.204 | 0.573 | 0.077 | 0.030 | **1.298** | 0.222 | 0.623 | 0.094 | 0.042 | **1.659** | 0.282 | 0.790 |
| 47 | MI | Belle River | | 1 | D060341 | 1.637 | 0.067 | 0.030 | **1.175** | 0.201 | 0.566 | 0.076 | 0.029 | **1.280** | 0.219 | 0.615 | 0.093 | 0.042 | **1.637** | 0.279 | 0.780 |
| 48 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.632 | 0.026 | 0.036 | 0.757 | 0.130 | 0.368 | 0.028 | 0.104 | **1.632** | 0.278 | 0.777 | 0.026 | 0.084 | **1.356** | 0.231 | 0.650 |
| 49 | WV | Harrison Power Station | | 1 (25%), 2 (20 | D03944C01 | 1.576 | 0.033 | 0.026 | 0.711 | 0.122 | 0.346 | 0.034 | 0.095 | **1.576** | 0.268 | 0.752 | 0.024 | 0.060 | **1.036** | 0.177 | 0.500 |
| 50 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 1.575 | 0.126 | 0.004 | **1.575** | 0.268 | 0.751 | 0.052 | 0.007 | 0.712 | 0.122 | 0.346 | 0.026 | 0.003 | 0.357 | 0.061 | 0.175 |
| 51 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 1.570 | 0.123 | 0.007 | **1.570** | 0.267 | 0.749 | 0.106 | 0.006 | **1.360** | 0.232 | 0.652 | | | | | |
| 52 | NJ | B L England | 2378 | 1 | | 1.511 | 0.070 | 0.010 | 0.974 | 0.167 | 0.471 | 0.076 | 0.011 | **1.051** | 0.180 | 0.507 | 0.116 | 0.009 | **1.511** | 0.257 | 0.721 |
| 53 | PA | Montour | 3149 | 1 | D031491 | 1.504 | 0.096 | 0.028 | **1.504** | 0.256 | 0.718 | 0.055 | 0.067 | **1.484** | 0.253 | 0.709 | 0.062 | 0.061 | **1.500** | 0.256 | 0.717 |
| 54 | MA | Canal Station | 1599 | 2 | D015992 | 1.503 | 0.074 | 0.026 | **1.216** | 0.208 | 0.585 | 0.079 | 0.045 | **1.503** | 0.256 | 0.718 | 0.035 | 0.025 | 0.733 | 0.126 | 0.356 |
| 55 | VA | Chesapeake Energy Center | | 3 | D038033 | 1.501 | 0.107 | 0.017 | **1.501** | 0.256 | 0.717 | 0.053 | 0.013 | 0.796 | 0.136 | 0.387 | 0.062 | 0.010 | 0.871 | 0.149 | 0.422 |
| 56 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.499 | 0.067 | 0.024 | **1.115** | 0.191 | 0.537 | 0.099 | 0.025 | **1.499** | 0.255 | 0.716 | 0.066 | 0.034 | **1.209** | 0.207 | 0.581 |
| 57 | PA | Montour | 3149 | 2 | D031492 | 1.484 | 0.097 | 0.025 | **1.484** | 0.253 | 0.709 | 0.055 | 0.060 | **1.409** | 0.240 | 0.674 | 0.062 | 0.055 | **1.434** | 0.245 | 0.686 |
| 58 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 1.461 | 0.087 | 0.033 | **1.461** | 0.249 | 0.699 | 0.073 | 0.044 | **1.424** | 0.243 | 0.681 | 0.067 | 0.042 | **1.323** | 0.226 | 0.634 |
| 59 | MD | Morgantown | 1573 | 1 | D015731 | 1.422 | 0.113 | 0.005 | **1.422** | 0.243 | 0.680 | 0.092 | 0.003 | **1.145** | 0.196 | 0.551 | 0.114 | 0.003 | **1.411** | 0.241 | 0.675 |
| 60 | NC | L V Sutton | | 1, 2 | D02713C02 | 1.409 | 0.112 | 0.005 | **1.409** | 0.240 | 0.674 | 0.068 | 0.009 | 0.936 | 0.160 | 0.453 | 0.023 | 0.005 | 0.344 | 0.059 | 0.169 |
| 61 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 1.395 | 0.109 | 0.006 | **1.395** | 0.238 | 0.668 | 0.032 | 0.005 | 0.455 | 0.078 | 0.223 | 0.022 | 0.007 | 0.345 | 0.059 | 0.169 |
| 62 | SC | Jefferies | 3319 | 4 | | 1.386 | 0.107 | 0.007 | **1.386** | 0.237 | 0.664 | 0.103 | 0.009 | **1.358** | 0.232 | 0.651 | 0.038 | 0.003 | 0.494 | 0.085 | 0.242 |
| 63 | SC | Jefferies | 3319 | 3 | | 1.386 | 0.108 | 0.007 | **1.386** | 0.236 | 0.664 | 0.103 | 0.009 | **1.364** | 0.233 | 0.653 | 0.039 | 0.003 | 0.510 | 0.088 | 0.250 |
| 64 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 1.359 | 0.100 | 0.013 | **1.359** | 0.232 | 0.651 | 0.051 | 0.008 | 0.715 | 0.123 | 0.348 | 0.079 | 0.009 | **1.071** | 0.183 | 0.517 |
| 65 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 1.351 | 0.047 | 0.063 | **1.351** | 0.231 | 0.648 | 0.047 | 0.051 | **1.194** | 0.204 | 0.574 | 0.056 | 0.048 | **1.276** | 0.218 | 0.613 |
| 66 | MD | C P Crane | 1552 | 2 | D015522 | 1.347 | 0.058 | 0.011 | 0.835 | 0.143 | 0.405 | 0.079 | 0.014 | **1.125** | 0.192 | 0.542 | 0.088 | 0.023 | **1.347** | 0.230 | 0.646 |
| 67 | MI | St. Clair | 1743 | 6 | D017436 | 1.332 | 0.079 | 0.010 | **1.079** | 0.185 | 0.520 | 0.101 | 0.009 | **1.332** | 0.227 | 0.639 | 0.079 | 0.014 | **1.125** | 0.192 | 0.542 |
| 68 | DE | Indian River | 594 | 4 | D005944 | 1.321 | 0.055 | 0.007 | 0.744 | 0.128 | 0.362 | 0.094 | 0.015 | **1.321** | 0.226 | 0.634 | 0.032 | 0.009 | 0.493 | 0.085 | 0.241 |
| 69 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 1.298 | 0.104 | 0.003 | **1.298** | 0.222 | 0.623 | 0.039 | 0.005 | 0.526 | 0.090 | 0.257 | 0.018 | 0.002 | 0.244 | 0.042 | 0.120 |
| 70 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.298 | 0.056 | 0.018 | 0.897 | 0.154 | 0.435 | 0.091 | 0.017 | **1.298** | 0.222 | 0.623 | 0.056 | 0.021 | 0.939 | 0.161 | 0.455 |
| 71 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 1.285 | 0.098 | 0.009 | **1.285** | 0.219 | 0.617 | 0.071 | 0.026 | **1.179** | 0.201 | 0.567 | 0.054 | 0.014 | 0.825 | 0.141 | 0.400 |
| 72 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 1.254 | 0.099 | 0.005 | **1.254** | 0.214 | 0.602 | 0.070 | 0.019 | **1.076** | 0.184 | 0.519 | 0.077 | 0.017 | **1.133** | 0.194 | 0.546 |
| 73 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 1.248 | 0.068 | 0.012 | 0.973 | 0.167 | 0.470 | 0.076 | 0.027 | **1.248** | 0.213 | 0.600 | 0.043 | 0.022 | 0.789 | 0.135 | 0.383 |
| 74 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.248 | 0.034 | 0.068 | **1.248** | 0.213 | 0.599 | 0.021 | 0.050 | 0.872 | 0.149 | 0.423 | 0.015 | 0.029 | 0.543 | 0.093 | 0.265 |
| 75 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 1.237 | 0.097 | 0.005 | **1.237** | 0.211 | 0.594 | 0.069 | 0.018 | **1.059** | 0.181 | 0.511 | 0.076 | 0.016 | **1.116** | 0.191 | 0.538 |
| 76 | PA | Portland | | 2 (1) | d031131 | 1.222 | 0.074 | 0.003 | 0.934 | 0.160 | 0.452 | 0.085 | 0.007 | **1.116** | 0.191 | 0.538 | 0.092 | 0.009 | **1.222** | 0.209 | 0.588 |
| 77 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 1.217 | 0.098 | 0.002 | **1.217** | 0.208 | 0.585 | 0.046 | 0.003 | 0.596 | 0.102 | 0.291 | 0.049 | 0.002 | 0.622 | 0.107 | 0.303 |
| 78 | MD | C P Crane | 1552 | 1 | D015521 | 1.214 | 0.052 | 0.010 | 0.753 | 0.129 | 0.366 | 0.071 | 0.012 | **1.016** | 0.174 | 0.491 | 0.079 | 0.021 | **1.214** | 0.207 | 0.584 |
| 79 | PA | Armstrong Power Station | | 1 | D031781 | 1.206 | 0.096 | 0.004 | **1.206** | 0.206 | 0.580 | 0.064 | 0.008 | 0.866 | 0.148 | 0.420 | | | | | |
| 80 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 1.204 | 0.079 | 0.020 | **1.204** | 0.206 | 0.579 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 1.201 | 0.093 | 0.006 | **1.201** | 0.205 | 0.577 | 0.035 | 0.006 | 0.502 | 0.086 | 0.246 | 0.025 | 0.004 | 0.344 | 0.059 | 0.169 |
| 82 | SC | Canadys Steam | | CAN3 | D03280CN3 | 1.190 | 0.092 | 0.007 | **1.190** | 0.203 | 0.572 | 0.065 | 0.006 | 0.864 | 0.148 | 0.419 | 0.029 | 0.003 | 0.382 | 0.066 | 0.188 |
| 83 | MA | Brayton Point | 1619 | 4 | x07 | 1.190 | 0.077 | 0.016 | **1.121** | 0.192 | 0.540 | 0.076 | 0.022 | **1.190** | 0.203 | 0.572 | 0.041 | 0.012 | 0.648 | 0.111 | 0.316 |
| 84 | PA | Armstrong Power Station | | 2 | D031782 | 1.187 | 0.094 | 0.004 | **1.187** | 0.203 | 0.571 | 0.062 | 0.009 | 0.858 | 0.147 | 0.416 | | | | | |
| 85 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.168 | 0.085 | 0.012 | **1.168** | 0.200 | 0.562 | 0.049 | 0.005 | 0.657 | 0.113 | 0.320 | 0.081 | 0.006 | **1.045** | 0.179 | 0.505 |
| 86 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 1.143 | 0.081 | 0.013 | **1.143** | 0.195 | 0.551 | 0.045 | 0.013 | 0.695 | 0.119 | 0.339 | 0.037 | 0.008 | 0.534 | 0.092 | 0.261 |
| 87 | IA | Ottumwa | | 1 | D062541 | 1.132 | 0.075 | 0.018 | **1.132** | 0.194 | 0.546 | 0.031 | 0.008 | 0.482 | 0.083 | 0.236 | 0.068 | 0.018 | **1.050** | 0.180 | 0.507 |
| 88 | PA | Sunbury | | 4 | D031524 | 1.131 | 0.091 | 0.003 | **1.131** | 0.193 | 0.545 | 0.068 | 0.008 | 0.915 | 0.157 | 0.443 | 0.048 | 0.006 | 0.655 | 0.112 | 0.319 |
| 89 | NH | Schiller | 2367 | 6 | | 1.128 | 0.047 | 0.028 | 0.914 | 0.157 | 0.443 | 0.053 | 0.019 | 0.871 | 0.149 | 0.422 | 0.065 | 0.028 | **1.128** | 0.193 | 0.544 |
| 90 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 1.127 | 0.091 | 0.002 | **1.127** | 0.193 | 0.543 | 0.042 | 0.004 | 0.557 | 0.096 | 0.272 | 0.045 | 0.003 | 0.578 | 0.099 | 0.282 |
| 91 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 1.118 | 0.043 | 0.012 | 0.655 | 0.112 | 0.319 | 0.045 | 0.017 | 0.750 | 0.129 | 0.365 | 0.065 | 0.027 | **1.118** | 0.191 | 0.539 |
| 92 | NH | Schiller | 2367 | 4 | | 1.114 | 0.046 | 0.028 | 0.902 | 0.154 | 0.437 | 0.052 | 0.019 | 0.860 | 0.147 | 0.417 | 0.064 | 0.028 | **1.114** | 0.190 | 0.537 |
| 93 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 1.097 | 0.039 | 0.009 | 0.576 | 0.099 | 0.281 | 0.086 | 0.004 | **1.097** | 0.188 | 0.529 | 0.074 | 0.016 | **1.087** | 0.186 | 0.524 |
| 94 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 1.081 | 0.047 | 0.007 | 0.651 | 0.112 | 0.317 | 0.062 | 0.009 | 0.850 | 0.146 | 0.412 | 0.077 | 0.013 | **1.081** | 0.185 | 0.521 |
| 95 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 1.062 | 0.079 | 0.008 | **1.052** | 0.180 | 0.508 | 0.072 | 0.015 | **1.062** | 0.182 | 0.513 | 0.040 | 0.008 | 0.583 | 0.100 | 0.284 |
| 96 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.046 | 0.030 | 0.006 | 0.432 | 0.074 | 0.212 | 0.082 | 0.005 | **1.046** | 0.179 | 0.505 | 0.072 | 0.012 | **1.013** | 0.173 | 0.489 |
| 97 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 1.044 | 0.048 | 0.004 | 0.628 | 0.108 | 0.306 | 0.052 | 0.009 | 0.733 | 0.126 | 0.356 | 0.076 | 0.010 | **1.044** | 0.179 | 0.504 |
| 98 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 1.044 | 0.039 | 0.006 | 0.543 | 0.093 | 0.265 | 0.027 | 0.018 | 0.543 | 0.093 | 0.265 | 0.076 | 0.010 | **1.044** | 0.179 | 0.504 |
| 99 | KY | Paradise | 1378 | 2 | D013782 | 1.023 | 0.079 | 0.006 | **1.023** | 0.175 | 0.494 | 0.037 | 0.005 | 0.498 | 0.086 | 0.243 | 0.056 | 0.004 | 0.727 | 0.125 | 0.354 |
| 100 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 1.021 | 0.061 | 0.024 | **1.021** | 0.175 | 0.493 | 0.038 | 0.020 | 0.704 | 0.121 | 0.342 | 0.046 | 0.024 | 0.847 | 0.145 | 0.411 |
| 101 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 1.005 | 0.056 | 0.006 | 0.760 | 0.130 | 0.369 | 0.051 | 0.005 | 0.666 | 0.114 | 0.324 | 0.076 | 0.007 | **1.005** | 0.172 | 0.486 |
| 102 | KY | Paradise | 1378 | 3 | D013783 | 1.002 | 0.047 | 0.035 | **1.002** | 0.172 | 0.484 | 0.024 | 0.031 | 0.668 | 0.115 | 0.326 | 0.034 | 0.024 | 0.706 | 0.121 | 0.344 |
| 103 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 1.001 | 0.029 | 0.011 | 0.493 | 0.085 | 0.241 | 0.066 | 0.008 | 0.895 | 0.153 | 0.434 | 0.060 | 0.023 | **1.001** | 0.171 | 0.484 |
| 104 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.989 | 0.063 | 0.019 | 0.989 | 0.169 | 0.478 | 0.040 | 0.016 | 0.672 | 0.115 | 0.327 | 0.049 | 0.018 | 0.815 | 0.140 | 0.396 |
| 105 | PA | Sunbury | | 3 | D031523 | 0.972 | 0.077 | 0.003 | 0.972 | 0.166 | 0.470 | 0.055 | 0.007 | 0.753 | 0.129 | 0.366 | 0.055 | 0.005 | 0.724 | 0.124 | 0.352 |
| 106 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 0.971 | 0.050 | 0.003 | 0.642 | 0.110 | 0.313 | 0.058 | 0.008 | 0.791 | 0.136 | 0.384 | 0.070 | 0.010 | 0.971 | 0.166 | 0.470 |
| 107 | VA | Chesapeake Energy Center | | 2 | D038032 | 0.930 | 0.067 | 0.010 | 0.930 | 0.159 | 0.450 | 0.034 | 0.007 | 0.492 | 0.085 | 0.241 | 0.039 | 0.006 | 0.540 | 0.093 | 0.264 |
| 108 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 0.927 | 0.070 | 0.007 | 0.927 | 0.159 | 0.449 | 0.033 | 0.005 | 0.464 | 0.080 | 0.227 | 0.049 | 0.009 | 0.699 | 0.120 | 0.340 |
| 109 | SC | H B Robinson | | 1 | D032511 | 0.902 | 0.069 | 0.005 | 0.902 | 0.155 | 0.437 | 0.017 | 0.005 | 0.268 | 0.046 | 0.132 | 0.014 | 0.005 | 0.235 | 0.040 | 0.116 |
| 110 | KY | Paradise | 1378 | 1 | D01720C09 | 0.901 | 0.069 | 0.005 | 0.901 | 0.154 | 0.436 | 0.032 | 0.004 | 0.440 | 0.076 | 0.216 | 0.049 | 0.004 | 0.640 | 0.110 | 0.312 |
| 111 | IA | George Neal South | | 4 | D073434 | 0.897 | 0.025 | 0.009 | 0.419 | 0.072 | 0.206 | 0.028 | 0.009 | 0.447 | 0.077 | 0.219 | 0.054 | 0.020 | 0.897 | 0.154 | 0.435 |
| 112 | WI | Columbia | | 2 | D080232 | 0.896 | 0.061 | 0.013 | 0.896 | 0.154 | 0.434 | 0.053 | 0.011 | 0.773 | 0.132 | 0.375 | 0.037 | 0.009 | 0.558 | 0.096 | 0.273 |
| 113 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 0.893 | 0.063 | 0.011 | 0.893 | 0.153 | 0.433 | | | | | | | | | | |
| 114 | MA | Salem Harbor Station | 1626 | 1 | | 0.886 | 0.055 | 0.009 | 0.772 | 0.132 | 0.375 | 0.046 | 0.027 | 0.886 | 0.152 | 0.429 | 0.036 | 0.014 | 0.610 | 0.105 | 0.298 |
| 115 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 0.865 | 0.059 | 0.006 | 0.788 | 0.135 | 0.383 | 0.048 | 0.019 | 0.813 | 0.139 | 0.395 | 0.063 | 0.008 | 0.865 | 0.148 | 0.419 |
| 116 | AR | White Bluff | | 1 | D060091 | 0.860 | 0.049 | 0.021 | 0.860 | 0.147 | 0.417 | | | | | | | | | | |
| 117 | MD | Brandon Shores | 602 | 2 | D006022 | 0.855 | 0.015 | 0.021 | 0.436 | 0.075 | 0.214 | 0.021 | 0.028 | 0.600 | 0.103 | 0.293 | 0.024 | 0.045 | 0.855 | 0.146 | 0.415 |
| 118 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 0.855 | 0.053 | 0.017 | 0.855 | 0.146 | 0.414 | 0.035 | 0.018 | 0.635 | 0.109 | 0.309 | 0.039 | 0.021 | 0.722 | 0.124 | 0.351 |
| 119 | AR | White Bluff | | 2 | D060092 | 0.852 | 0.048 | 0.023 | 0.852 | 0.146 | 0.413 | | | | | | | | | | |
| 120 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.849 | 0.056 | 0.014 | 0.849 | 0.145 | 0.412 | 0.031 | 0.012 | 0.529 | 0.091 | 0.259 | 0.025 | 0.008 | 0.401 | 0.069 | 0.197 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | WI | Columbia | | 1 | D080231 | 0.844 | 0.058 | 0.012 | 0.844 | 0.145 | 0.409 | 0.049 | 0.009 | 0.707 | 0.121 | 0.344 | 0.033 | 0.009 | 0.509 | 0.087 | 0.249 |
| 122 | IN | Gibson | 6113 | 5 | D061135 | 0.829 | 0.050 | 0.019 | 0.829 | 0.142 | 0.402 | | | | | | | | | | |
| 123 | MD | Brandon Shores | 602 | 1 | D006021 | 0.827 | 0.015 | 0.020 | 0.425 | 0.073 | 0.208 | 0.022 | 0.026 | 0.585 | 0.100 | 0.286 | 0.025 | 0.043 | 0.827 | 0.142 | 0.401 |
| 124 | KY | Ghent | 1356 | 3,4 … (2,3) | D01356C02 | 0.821 | 0.042 | 0.010 | 0.620 | 0.106 | 0.302 | 0.048 | 0.020 | 0.821 | 0.141 | 0.398 | 0.026 | 0.007 | 0.403 | 0.069 | 0.197 |
| 125 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 0.816 | 0.063 | 0.005 | 0.816 | 0.140 | 0.396 | | | | | | | | | | |
| 126 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 0.795 | 0.061 | 0.005 | 0.795 | 0.136 | 0.386 | | | | | | | | | | |
| 127 | PA | Sunbury | | 1A, 1B | D03152CS1 | 0.792 | 0.063 | 0.002 | 0.792 | 0.136 | 0.384 | 0.046 | 0.005 | 0.626 | 0.107 | 0.305 | 0.037 | 0.004 | 0.499 | 0.086 | 0.244 |
| 128 | OH | Eastlake | 2837 | 1 | D028371 | 0.790 | 0.060 | 0.005 | 0.790 | 0.135 | 0.384 | | | | | | | | | | |
| 129 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 0.781 | 0.062 | 0.003 | 0.781 | 0.134 | 0.379 | 0.043 | 0.006 | 0.587 | 0.101 | 0.287 | 0.029 | 0.003 | 0.387 | 0.067 | 0.190 |
| 130 | MO | New Madrid Power Plant | | 1 | D021671 | 0.780 | 0.022 | 0.042 | 0.780 | 0.134 | 0.379 | | | | | | | | | | |
| 131 | IN | Gibson | 6113 | 4 | D061135 | 0.775 | 0.017 | 0.046 | 0.775 | 0.133 | 0.377 | | | | | | | | | | |
| 132 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.758 | 0.020 | 0.012 | 0.382 | 0.066 | 0.187 | 0.026 | 0.036 | 0.758 | 0.130 | 0.369 | 0.019 | 0.014 | 0.406 | 0.070 | 0.199 |
| 133 | OH | Eastlake | 2837 | 2 | D028372 | 0.758 | 0.058 | 0.005 | 0.758 | 0.130 | 0.368 | | | | | | | | | | |
| 134 | OH | Conesville | 2840 | 5,6 | D02840C06 | 0.757 | 0.025 | 0.015 | 0.492 | 0.085 | 0.241 | 0.017 | 0.045 | 0.757 | 0.130 | 0.368 | 0.011 | 0.024 | 0.427 | 0.073 | 0.209 |
| 135 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 0.751 | 0.059 | 0.003 | 0.751 | 0.129 | 0.365 | 0.046 | 0.002 | 0.579 | 0.099 | 0.283 | 0.035 | 0.002 | 0.447 | 0.077 | 0.219 |
| 136 | TX | Big Brown | 3497 | 2 | | 0.745 | 0.053 | 0.004 | 0.679 | 0.117 | 0.331 | 0.058 | 0.004 | 0.745 | 0.128 | 0.362 | 0.019 | 0.000 | 0.233 | 0.040 | 0.115 |
| 137 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 0.744 | 0.039 | 0.022 | 0.744 | 0.128 | 0.362 | | | | | | | | | | |
| 138 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 0.742 | 0.056 | 0.005 | 0.742 | 0.127 | 0.361 | | | | | | | | | | |
| 139 | IN | Merom | | 2SG1 | D062132G1 | 0.737 | 0.056 | 0.005 | 0.737 | 0.126 | 0.358 | | | | | | | | | | |
| 140 | NC | Cape Fear | 2708 | 6 | | 0.733 | 0.055 | 0.006 | 0.733 | 0.126 | 0.357 | 0.016 | 0.003 | 0.236 | 0.041 | 0.116 | 0.017 | 0.004 | 0.254 | 0.044 | 0.125 |
| 141 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 0.732 | 0.015 | 0.045 | 0.732 | 0.126 | 0.356 | | | | | | | | | | |
| 142 | GA | Yates | | Y6BR | D00728Y6R | 0.732 | 0.054 | 0.004 | 0.698 | 0.120 | 0.340 | 0.056 | 0.005 | 0.732 | 0.126 | 0.356 | 0.038 | 0.002 | 0.491 | 0.084 | 0.240 |
| 143 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.722 | 0.049 | 0.006 | 0.671 | 0.115 | 0.327 | 0.049 | 0.011 | 0.722 | 0.124 | 0.351 | 0.026 | 0.006 | 0.380 | 0.065 | 0.187 |
| 144 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 0.722 | 0.043 | 0.009 | 0.634 | 0.109 | 0.309 | 0.030 | 0.026 | 0.679 | 0.117 | 0.331 | 0.029 | 0.030 | 0.722 | 0.124 | 0.351 |
| 145 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.722 | 0.033 | 0.026 | 0.722 | 0.124 | 0.351 | 0.035 | 0.020 | 0.673 | 0.116 | 0.328 | 0.025 | 0.026 | 0.618 | 0.106 | 0.302 |
| 146 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.718 | 0.054 | 0.002 | 0.670 | 0.115 | 0.326 | 0.057 | 0.002 | 0.718 | 0.123 | 0.349 | 0.030 | 0.001 | 0.386 | 0.066 | 0.189 |
| 147 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.714 | 0.035 | 0.024 | 0.714 | 0.122 | 0.347 | 0.031 | 0.027 | 0.710 | 0.122 | 0.345 | 0.024 | 0.008 | 0.384 | 0.066 | 0.188 |
| 148 | VA | Chesapeake Energy Center | | 1 | D038031 | 0.713 | 0.048 | 0.011 | 0.713 | 0.122 | 0.347 | 0.024 | 0.007 | 0.385 | 0.066 | 0.189 | 0.028 | 0.006 | 0.413 | 0.071 | 0.203 |
| 149 | TX | Big Brown | 3497 | 1 | | 0.712 | 0.050 | 0.004 | 0.648 | 0.111 | 0.316 | 0.055 | 0.004 | 0.712 | 0.122 | 0.346 | 0.018 | 0.000 | 0.222 | 0.038 | 0.109 |
| 150 | KS | Nearman Creek | 6064 | N1 | | 0.706 | 0.035 | 0.023 | 0.706 | 0.121 | 0.344 | | | | | | | | | | |
| 151 | KY | Mill Creek | 1364 | 4 | D013644 | 0.703 | 0.047 | 0.004 | 0.618 | 0.106 | 0.301 | 0.051 | 0.008 | 0.703 | 0.121 | 0.342 | 0.029 | 0.007 | 0.436 | 0.075 | 0.214 |
| 152 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 0.703 | 0.054 | 0.004 | 0.703 | 0.121 | 0.342 | 0.035 | 0.008 | 0.516 | 0.089 | 0.252 | 0.026 | 0.005 | 0.369 | 0.063 | 0.181 |
| 153 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.703 | 0.048 | 0.006 | 0.654 | 0.112 | 0.319 | 0.048 | 0.005 | 0.640 | 0.110 | 0.312 | 0.053 | 0.005 | 0.703 | 0.121 | 0.342 |
| 154 | OH | Killen Station | 6031 | 2 | D060312 | 0.703 | 0.039 | 0.009 | 0.577 | 0.099 | 0.282 | 0.036 | 0.022 | 0.703 | 0.121 | 0.342 | 0.040 | 0.014 | 0.651 | 0.112 | 0.317 |
| 155 | IA | Louisa | | 101 | D06664101 | 0.699 | 0.039 | 0.019 | 0.699 | 0.120 | 0.340 | | | | | | | | | | |
| 156 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 0.696 | 0.054 | 0.004 | 0.696 | 0.119 | 0.339 | | | | | | | | | | |
| 157 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 0.687 | 0.053 | 0.004 | 0.687 | 0.118 | 0.334 | 0.034 | 0.008 | 0.505 | 0.087 | 0.247 | 0.025 | 0.005 | 0.361 | 0.062 | 0.177 |
| 158 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.679 | 0.053 | 0.003 | 0.679 | 0.117 | 0.331 | 0.041 | 0.002 | 0.524 | 0.090 | 0.256 | 0.032 | 0.002 | 0.404 | 0.070 | 0.198 |
| 159 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.678 | 0.044 | 0.012 | 0.678 | 0.116 | 0.330 | | | | | | | | | | |
| 160 | OH | Eastlake | 2837 | 3 | D028373 | 0.656 | 0.050 | 0.004 | 0.656 | 0.113 | 0.320 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | CT | Middletown | 562 | 4 | | 0.648 | 0.034 | 0.020 | 0.648 | 0.111 | 0.316 | | | | | | | | | | |
| 162 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 0.644 | 0.049 | 0.004 | 0.644 | 0.111 | 0.314 | | | | | | | | | | |
| 163 | MO | New Madrid Power Plant | | 2 | D021672 | 0.634 | 0.021 | 0.031 | 0.634 | 0.109 | 0.309 | | | | | | | | | | |
| 164 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 0.608 | 0.034 | 0.016 | 0.608 | 0.104 | 0.297 | | | | | | | | | | |
| 165 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 0.601 | 0.038 | 0.012 | 0.601 | 0.103 | 0.293 | | | | | | | | | | |
| 166 | WV | Albright Power Station | 3942 | 3 | D039423 | 0.599 | 0.047 | 0.002 | 0.599 | 0.103 | 0.292 | 0.027 | 0.005 | 0.394 | 0.068 | 0.193 | 0.025 | 0.004 | 0.349 | 0.060 | 0.171 |
| 167 | PA | Homer City | | 3 | D031223 | 0.591 | 0.038 | 0.008 | 0.552 | 0.095 | 0.270 | 0.020 | 0.028 | 0.591 | 0.101 | 0.288 | 0.022 | 0.023 | 0.543 | 0.093 | 0.265 |
| 168 | KS | La Cygne | | 2 | D012412 | 0.588 | 0.030 | 0.016 | 0.563 | 0.097 | 0.275 | 0.037 | 0.012 | 0.588 | 0.101 | 0.287 | 0.022 | 0.008 | 0.359 | 0.062 | 0.176 |
| 169 | TX | Martin Lake | 6146 | 1 | | 0.588 | 0.038 | 0.007 | 0.540 | 0.093 | 0.264 | 0.041 | 0.007 | 0.588 | 0.101 | 0.287 | 0.013 | 0.001 | 0.173 | 0.030 | 0.085 |
| 170 | NJ | B L England | 2378 | 2,3 | x12 | 0.588 | 0.022 | 0.015 | 0.449 | 0.077 | 0.220 | 0.023 | 0.016 | 0.474 | 0.082 | 0.232 | 0.036 | 0.013 | 0.588 | 0.101 | 0.287 |
| 171 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.587 | 0.039 | 0.009 | 0.587 | 0.101 | 0.287 | | | | | | | | | | |
| 172 | MI | River Rouge | | 3 | D017403 | 0.583 | 0.035 | 0.013 | 0.583 | 0.100 | 0.285 | | | | | | | | | | |
| 173 | OH | J M Stuart | 2850 | 4 | D028404 | 0.561 | 0.034 | 0.005 | 0.473 | 0.081 | 0.231 | 0.033 | 0.013 | 0.561 | 0.096 | 0.274 | 0.036 | 0.009 | 0.539 | 0.093 | 0.263 |
| 174 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.554 | 0.025 | 0.012 | 0.451 | 0.078 | 0.221 | 0.024 | 0.022 | 0.554 | 0.095 | 0.271 | | | | | |
| 175 | WI | Edgewater (4050) | 4050 | 5 | | 0.547 | 0.037 | 0.008 | 0.547 | 0.094 | 0.267 | | | | | | | | | | |
| 176 | IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 0.547 | 0.037 | 0.009 | 0.547 | 0.094 | 0.267 | | | | | | | | | | |
| 177 | GA | Yates | | Y7BR | D00728Y7R | 0.545 | 0.040 | 0.003 | 0.520 | 0.089 | 0.254 | 0.041 | 0.004 | 0.545 | 0.094 | 0.266 | 0.028 | 0.002 | 0.365 | 0.063 | 0.179 |
| 178 | TX | Martin Lake | 6146 | 2 | | 0.541 | 0.035 | 0.006 | 0.495 | 0.085 | 0.242 | 0.039 | 0.006 | 0.541 | 0.093 | 0.264 | 0.013 | 0.001 | 0.160 | 0.028 | 0.079 |
| 179 | MO | Labadie | | 3 | D021033 | 0.539 | 0.039 | 0.006 | 0.539 | 0.093 | 0.263 | | | | | | | | | | |
| 180 | MO | Labadie | | 4 | D021034 | 0.532 | 0.039 | 0.005 | 0.532 | 0.091 | 0.260 | 0.030 | 0.005 | 0.424 | 0.073 | 0.208 | 0.024 | 0.004 | 0.329 | 0.057 | 0.162 |
| 181 | NC | Riverbend | 2732 | 9 | | 0.524 | 0.042 | 0.001 | 0.524 | 0.090 | 0.256 | | | | | | | | | | |
| 182 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 0.519 | 0.037 | 0.006 | 0.519 | 0.089 | 0.254 | | | | | | | | | | |
| 183 | GA | Scherer | | 4 | D062574 | 0.513 | 0.034 | 0.003 | 0.453 | 0.078 | 0.222 | 0.036 | 0.007 | 0.513 | 0.088 | 0.251 | 0.032 | 0.005 | 0.455 | 0.078 | 0.223 |
| 184 | AR | Independence | | 1 | D066411 | 0.512 | 0.028 | 0.014 | 0.512 | 0.088 | 0.250 | | | | | | | | | | |
| 185 | MO | Labadie | | 1 | D021031 | 0.511 | 0.037 | 0.005 | 0.511 | 0.088 | 0.250 | | | | | | | | | | |
| 186 | GA | Scherer | | 1 | D062571 | 0.510 | 0.033 | 0.004 | 0.443 | 0.076 | 0.217 | 0.035 | 0.007 | 0.510 | 0.088 | 0.249 | 0.031 | 0.006 | 0.449 | 0.077 | 0.220 |
| 187 | MI | Monroe | 1733 | 3,4 | D01733C34 | 0.504 | 0.025 | 0.016 | 0.504 | 0.087 | 0.247 | | | | | | | | | | |
| 188 | NE | Nebraska City Station | | 1 | D060961 | 0.504 | 0.034 | 0.008 | 0.504 | 0.087 | 0.247 | | | | | | | | | | |
| 189 | TX | Martin Lake | 6146 | 3 | | 0.504 | 0.032 | 0.006 | 0.462 | 0.079 | 0.226 | 0.035 | 0.006 | 0.504 | 0.087 | 0.246 | 0.012 | 0.001 | 0.148 | 0.025 | 0.073 |
| 190 | GA | Scherer | | 2 | D062572 | 0.503 | 0.033 | 0.004 | 0.439 | 0.076 | 0.215 | 0.035 | 0.007 | 0.503 | 0.086 | 0.246 | 0.031 | 0.005 | 0.443 | 0.076 | 0.217 |
| 191 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.500 | 0.035 | 0.004 | 0.464 | 0.080 | 0.227 | 0.029 | 0.012 | 0.500 | 0.086 | 0.245 | 0.033 | 0.009 | 0.499 | 0.086 | 0.244 |
| 192 | VA | Bremo Power Station | | 4 | D037964 | 0.498 | 0.033 | 0.004 | 0.456 | 0.078 | 0.223 | 0.027 | 0.003 | 0.368 | 0.063 | 0.181 | 0.037 | 0.005 | 0.498 | 0.086 | 0.244 |
| 193 | KY | Green River | | 5 | D013575 | 0.496 | 0.039 | 0.002 | 0.496 | 0.085 | 0.243 | | | | | | | | | | |
| 194 | AR | Independence | | 2 | D066412 | 0.495 | 0.028 | 0.013 | 0.495 | 0.085 | 0.242 | | | | | | | | | | |
| 195 | KY | D B Wilson | | W1 | D06823W1 | 0.492 | 0.039 | 0.002 | 0.492 | 0.085 | 0.241 | | | | | | | | | | |
| 196 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 0.490 | 0.035 | 0.005 | 0.490 | 0.084 | 0.240 | | | | | | | | | | |
| 197 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.482 | 0.039 | 0.001 | 0.482 | 0.083 | 0.236 | | | | | | | | | | |
| 198 | PA | Shawville | 3131 | 1 | D031311 | 0.473 | 0.036 | 0.003 | 0.473 | 0.081 | 0.231 | | | | | | | | | | |
| 199 | IL | Newton | | 2 | D060172 | 0.471 | 0.033 | 0.006 | 0.471 | 0.081 | 0.231 | | | | | | | | | | |
| 200 | MN | Sherburne County | | 3 | D060903 | 0.470 | 0.025 | 0.013 | 0.470 | 0.081 | 0.230 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | PA | Shawville | 3131 | 2 | D031312 | 0.466 | 0.036 | 0.003 | 0.466 | 0.080 | 0.228 | | | | | | | | | | |
| 202 | OH | Cardinal | 2828 | 1 | D028281 | 0.458 | 0.035 | 0.002 | 0.458 | 0.079 | 0.224 | | | | | | | | | | |
| 203 | TX | Monticello | 6147 | 1 | | 0.437 | 0.029 | 0.004 | 0.398 | 0.069 | 0.195 | 0.032 | 0.004 | 0.437 | 0.075 | 0.214 | 0.011 | 0.000 | 0.132 | 0.023 | 0.065 |
| 204 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.431 | 0.026 | 0.010 | 0.431 | 0.074 | 0.211 | | | | | | | | | | |
| 205 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.429 | 0.031 | 0.005 | 0.429 | 0.074 | 0.210 | 0.023 | 0.012 | 0.421 | 0.072 | 0.206 | 0.018 | 0.009 | 0.326 | 0.056 | 0.160 |
| 206 | OK | Sooner | 6095 | 1 | | 0.426 | 0.021 | 0.014 | 0.426 | 0.073 | 0.209 | | | | | | | | | | |
| 207 | OK | Sooner | | 2 | D060952 | 0.423 | 0.020 | 0.015 | 0.423 | 0.073 | 0.207 | | | | | | | | | | |
| 208 | KY | Green River | | 4 | D013574 | 0.420 | 0.033 | 0.001 | 0.420 | 0.072 | 0.206 | | | | | | | | | | |
| 209 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.405 | 0.027 | 0.007 | 0.405 | 0.070 | 0.199 | 0.012 | 0.005 | 0.211 | 0.036 | 0.104 | 0.019 | 0.010 | 0.349 | 0.060 | 0.172 |
| 210 | SC | McMeekin | | MCM2 | D03287MM2 | 0.400 | 0.032 | 0.001 | 0.400 | 0.069 | 0.196 | | | | | | | | | | |
| 211 | MO | Rush Island | | 2 | D061552 | 0.396 | 0.030 | 0.003 | 0.396 | 0.068 | 0.194 | | | | | | | | | | |
| 212 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.391 | 0.024 | 0.008 | 0.391 | 0.067 | 0.192 | 0.011 | 0.006 | 0.211 | 0.036 | 0.104 | 0.017 | 0.013 | 0.359 | 0.062 | 0.176 |
| 213 | MO | Rush Island | | 1 | D061551 | 0.391 | 0.029 | 0.003 | 0.391 | 0.067 | 0.192 | | | | | | | | | | |
| 214 | CT | New Haven Harbor | 6156 | NHB1 | | 0.390 | 0.023 | 0.009 | 0.390 | 0.067 | 0.191 | | | | | | | | | | |
| 215 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 0.389 | 0.026 | 0.006 | 0.389 | 0.067 | 0.191 | | | | | | | | | | |
| 216 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.388 | 0.026 | 0.006 | 0.388 | 0.067 | 0.190 | | | | | | | | | | |
| 217 | TN | Cumberland | 3399 | 1 | | 0.386 | 0.027 | 0.005 | 0.386 | 0.066 | 0.189 | | | | | | | | | | |
| 218 | SC | McMeekin | | MCM1 | D03287MM1 | 0.383 | 0.031 | 0.001 | 0.383 | 0.066 | 0.188 | | | | | | | | | | |
| 219 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.378 | 0.009 | 0.022 | 0.378 | 0.065 | 0.186 | | | | | | | | | | |
| 220 | ME | William F Wyman | 1507 | 3 | | 0.376 | 0.022 | 0.009 | 0.376 | 0.065 | 0.184 | | | | | | | | | | |
| 221 | TX | Monticello | 6147 | 2 | | 0.372 | 0.028 | 0.003 | 0.372 | 0.064 | 0.183 | | | | | | | | | | |
| 222 | TX | Monticello | 6147 | 3 | | 0.367 | 0.025 | 0.006 | 0.367 | 0.063 | 0.180 | | | | | | | | | | |
| 223 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 0.365 | 0.007 | 0.023 | 0.365 | 0.063 | 0.179 | | | | | | | | | | |
| 224 | OK | Grand River Dam Authority | | 1 | D001651 | 0.364 | 0.017 | 0.010 | 0.328 | 0.057 | 0.161 | 0.021 | 0.009 | 0.364 | 0.063 | 0.179 | 0.013 | 0.003 | 0.198 | 0.034 | 0.097 |
| 225 | NC | Roxboro | 2712 | 2 | D027122 | 0.355 | 0.024 | 0.005 | 0.355 | 0.061 | 0.174 | | | | | | | | | | |
| 226 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 0.352 | 0.021 | 0.008 | 0.352 | 0.061 | 0.173 | | | | | | | | | | |
| 227 | OH | Cardinal | 2828 | 2 | D028282 | 0.342 | 0.026 | 0.003 | 0.342 | 0.059 | 0.168 | | | | | | | | | | |
| 228 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 0.338 | 0.024 | 0.004 | 0.338 | 0.058 | 0.166 | | | | | | | | | | |
| 229 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 0.334 | 0.016 | 0.011 | 0.334 | 0.058 | 0.164 | | | | | | | | | | |
| 230 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.324 | 0.021 | 0.006 | 0.324 | 0.056 | 0.159 | | | | | | | | | | |
| 231 | OH | Miami Fort Power Station | | 8 | D028328 | 0.320 | 0.018 | 0.008 | 0.320 | 0.055 | 0.157 | | | | | | | | | | |
| 232 | NC | Marshall | 2727 | 1,2 | x11 | 0.319 | 0.018 | 0.008 | 0.319 | 0.055 | 0.157 | | | | | | | | | | |
| 233 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.319 | 0.021 | 0.005 | 0.319 | 0.055 | 0.157 | | | | | | | | | | |
| 234 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.311 | 0.013 | 0.008 | 0.259 | 0.045 | 0.127 | 0.017 | 0.008 | 0.311 | 0.054 | 0.153 | 0.014 | 0.009 | 0.280 | 0.048 | 0.138 |
| 235 | IN | Cayuga | 1001 | 2 | D010012 | 0.308 | 0.011 | 0.014 | 0.308 | 0.053 | 0.151 | | | | | | | | | | |
| 236 | WI | Nelson Dewey | 4054 | 2 | | 0.306 | 0.022 | 0.003 | 0.306 | 0.053 | 0.150 | | | | | | | | | | |
| 237 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.303 | 0.021 | 0.004 | 0.303 | 0.052 | 0.149 | | | | | | | | | | |
| 238 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.301 | 0.021 | 0.004 | 0.301 | 0.052 | 0.148 | | | | | | | | | | |
| 239 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 0.299 | 0.015 | 0.010 | 0.299 | 0.052 | 0.147 | | | | | | | | | | |
| 240 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.298 | 0.021 | 0.003 | 0.298 | 0.051 | 0.146 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | WI | Genoa | 4143 | 1 | | 0.295 | 0.020 | 0.005 | 0.295 | 0.051 | 0.145 | | | | | | | | | | |
| 242 | TX | Limestone | 298 | LIM2 | | 0.295 | 0.017 | 0.007 | 0.295 | 0.051 | 0.145 | | | | | | | | | | |
| 243 | OK | Muskogee | 2952 | 4 | | 0.294 | 0.016 | 0.009 | 0.294 | 0.051 | 0.144 | | | | | | | | | | |
| 244 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 0.290 | 0.009 | 0.014 | 0.290 | 0.050 | 0.143 | | | | | | | | | | |
| 245 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.287 | 0.016 | 0.007 | 0.287 | 0.049 | 0.141 | | | | | | | | | | |
| 246 | WV | Longview Power | 56671 | 1 | | 0.287 | 0.021 | 0.003 | 0.287 | 0.049 | 0.141 | | | | | | | | | | |
| 247 | IL | Wood River Power Station | | 5 | D008985 | 0.285 | 0.019 | 0.004 | 0.285 | 0.049 | 0.140 | | | | | | | | | | |
| 248 | KS | La Cygne | 1241 | 1 | | 0.282 | 0.017 | 0.006 | 0.282 | 0.049 | 0.139 | 0.015 | 0.003 | 0.220 | 0.038 | 0.108 | 0.011 | 0.002 | 0.157 | 0.027 | 0.077 |
| 249 | NC | Marshall | 2727 | 4 | D027274 | 0.282 | 0.014 | 0.009 | 0.282 | 0.049 | 0.139 | | | | | | | | | | |
| 250 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.281 | 0.014 | 0.009 | 0.281 | 0.048 | 0.138 | | | | | | | | | | |
| 251 | DE | Edge Moor | 593 | 5 | D005935 | 0.279 | 0.022 | 0.002 | 0.279 | 0.048 | 0.137 | | | | | | | | | | |
| 252 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.279 | 0.017 | 0.006 | 0.279 | 0.048 | 0.137 | | | | | | | | | | |
| 253 | IN | Cayuga | 1001 | 1 | D010011 | 0.278 | 0.009 | 0.014 | 0.278 | 0.048 | 0.137 | | | | | | | | | | |
| 254 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 0.276 | 0.017 | 0.006 | 0.276 | 0.048 | 0.136 | | | | | | | | | | |
| 255 | TX | Limestone | 298 | LIM1 | | 0.274 | 0.016 | 0.007 | 0.274 | 0.047 | 0.135 | | | | | | | | | | |
| 256 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 0.272 | 0.019 | 0.004 | 0.272 | 0.047 | 0.134 | | | | | | | | | | |
| 257 | OK | Hugo | | 1 | D067721 | 0.272 | 0.019 | 0.004 | 0.272 | 0.047 | 0.134 | | | | | | | | | | |
| 258 | OK | Muskogee | | 5 | D029525 | 0.268 | 0.015 | 0.007 | 0.268 | 0.046 | 0.132 | | | | | | | | | | |
| 259 | IL | Marion | | 4 | D009764 | 0.264 | 0.018 | 0.004 | 0.264 | 0.045 | 0.130 | | | | | | | | | | |
| 260 | WV | John E Amos | 3935 | 3 | D039353 | 0.262 | 0.016 | 0.006 | 0.262 | 0.045 | 0.129 | | | | | | | | | | |
| 261 | MD | Morgantown | 1573 | 2 | D015732 | 0.261 | 0.018 | 0.004 | 0.261 | 0.045 | 0.128 | | | | | | | | | | |
| 262 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.261 | 0.010 | 0.012 | 0.261 | 0.045 | 0.128 | | | | | | | | | | |
| 263 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 0.257 | 0.014 | 0.007 | 0.257 | 0.044 | 0.126 | | | | | | | | | | |
| 264 | OH | Conesville | 2840 | 4 | D028504 | 0.256 | 0.018 | 0.003 | 0.256 | 0.044 | 0.126 | | | | | | | | | | |
| 265 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 0.246 | 0.009 | 0.011 | 0.246 | 0.042 | 0.121 | | | | | | | | | | |
| 266 | KY | Ghent | 1356 | 1,2 ... (1,4) | D01356C01 | 0.243 | 0.014 | 0.006 | 0.243 | 0.042 | 0.120 | | | | | | | | | | |
| 267 | NC | Roxboro | 2712 | 1 | D027121 | 0.236 | 0.015 | 0.005 | 0.236 | 0.041 | 0.116 | | | | | | | | | | |
| 268 | NY | Northport | 2516 | 3 | D025163 | 0.232 | 0.014 | 0.005 | 0.232 | 0.040 | 0.114 | | | | | | | | | | |
| 269 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.226 | 0.012 | 0.007 | 0.226 | 0.039 | 0.111 | | | | | | | | | | |
| 270 | ME | William F Wyman | 1507 | 1 | | 0.225 | 0.011 | 0.008 | 0.225 | 0.039 | 0.111 | | | | | | | | | | |
| 271 | IA | George Neal North | | 3 | D010913 | 0.223 | 0.012 | 0.006 | 0.223 | 0.038 | 0.110 | | | | | | | | | | |
| 272 | NC | Belews Creek | 8042 | 2 | D080422 | 0.221 | 0.013 | 0.005 | 0.221 | 0.038 | 0.109 | | | | | | | | | | |
| 273 | ME | William F Wyman | 1507 | 2 | | 0.219 | 0.010 | 0.008 | 0.219 | 0.038 | 0.108 | | | | | | | | | | |
| 274 | NC | Belews Creek | 8042 | 1 | D080421 | 0.218 | 0.012 | 0.005 | 0.218 | 0.037 | 0.107 | | | | | | | | | | |
| 275 | NC | Marshall | 2727 | 3 | D027273 | 0.207 | 0.015 | 0.002 | 0.207 | 0.036 | 0.102 | | | | | | | | | | |
| 276 | KY | East Bend | 6018 | 2 | D060182 | 0.205 | 0.011 | 0.006 | 0.205 | 0.035 | 0.101 | | | | | | | | | | |
| 277 | OH | W H Sammis | 2866 | 7 | D028667 | 0.204 | 0.010 | 0.006 | 0.204 | 0.035 | 0.101 | | | | | | | | | | |
| 278 | MO | Sikeston | | 1 | D067681 | 0.204 | 0.013 | 0.004 | 0.204 | 0.035 | 0.101 | | | | | | | | | | |
| 279 | IL | Joliet 29 | | 81, 82 | D00384C82 | 0.204 | 0.013 | 0.004 | 0.204 | 0.035 | 0.101 | | | | | | | | | | |
| 280 | OH | J M Stuart | 2850 | 3 | D028503 | 0.203 | 0.013 | 0.004 | 0.203 | 0.035 | 0.100 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | OH | W H Sammis | 2866 | 6 | D02866M6A | 0.195 | 0.011 | 0.005 | 0.195 | 0.034 | 0.096 | | | | | | | | | | |
| 282 | KS | Quindaro | 1295 | 2 | | 0.194 | 0.010 | 0.006 | 0.194 | 0.034 | 0.096 | | | | | | | | | | |
| 283 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.190 | 0.015 | 0.001 | 0.190 | 0.033 | 0.094 | | | | | | | | | | |
| 284 | MO | Meramec | | 3 | D021043 | 0.189 | 0.012 | 0.004 | 0.189 | 0.033 | 0.093 | | | | | | | | | | |
| 285 | OH | J M Stuart | 2850 | 1 | D028501 | 0.186 | 0.012 | 0.003 | 0.186 | 0.032 | 0.092 | | | | | | | | | | |
| 286 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.185 | 0.009 | 0.006 | 0.185 | 0.032 | 0.091 | | | | | | | | | | |
| 287 | TX | Welsh Power Plant | 6139 | 3 | | 0.179 | 0.010 | 0.004 | 0.179 | 0.031 | 0.088 | | | | | | | | | | |
| 288 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.179 | 0.013 | 0.002 | 0.179 | 0.031 | 0.088 | | | | | | | | | | |
| 289 | AL | Greene County | 10 | 1 | | 0.174 | 0.013 | 0.001 | 0.174 | 0.030 | 0.086 | | | | | | | | | | |
| 290 | GA | Bowen | 703 | 1BLR | D007031LR | 0.172 | 0.007 | 0.007 | 0.172 | 0.030 | 0.085 | | | | | | | | | | |
| 291 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 0.171 | 0.007 | 0.007 | 0.171 | 0.029 | 0.084 | | | | | | | | | | |
| 292 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 0.167 | 0.007 | 0.007 | 0.167 | 0.029 | 0.082 | | | | | | | | | | |
| 293 | TX | Welsh Power Plant | 6139 | 1 | | 0.161 | 0.009 | 0.004 | 0.161 | 0.028 | 0.080 | | | | | | | | | | |
| 294 | TX | Welsh Power Plant | 6139 | 2 | | 0.158 | 0.010 | 0.003 | 0.158 | 0.027 | 0.078 | | | | | | | | | | |
| 295 | GA | Yates | | Y5BR | D00728Y5R | 0.155 | 0.012 | 0.001 | 0.155 | 0.027 | 0.077 | | | | | | | | | | |
| 296 | GA | Bowen | 703 | 4BLR | D007034LR | 0.151 | 0.004 | 0.008 | 0.151 | 0.026 | 0.074 | | | | | | | | | | |
| 297 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.137 | 0.004 | 0.008 | 0.137 | 0.024 | 0.068 | | | | | | | | | | |
| 298 | OH | J M Stuart | 2850 | 2 | D028502 | 0.135 | 0.007 | 0.004 | 0.135 | 0.023 | 0.067 | | | | | | | | | | |
| 299 | NC | Cliffside | 2721 | 5 | D027215 | 0.130 | 0.009 | 0.001 | 0.130 | 0.022 | 0.064 | | | | | | | | | | |
| 300 | GA | Bowen | 703 | 2BLR | D007032LR | 0.121 | 0.003 | 0.006 | 0.121 | 0.021 | 0.060 | | | | | | | | | | |
| 301 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.120 | 0.006 | 0.004 | 0.120 | 0.021 | 0.059 | | | | | | | | | | |
| 302 | OH | W H Sammis | 2866 | 5 | D028665 | 0.116 | 0.004 | 0.005 | 0.116 | 0.020 | 0.057 | | | | | | | | | | |
| 303 | AL | E C Gaston | 26 | 5 | | 0.113 | 0.005 | 0.004 | 0.113 | 0.019 | 0.056 | | | | | | | | | | |
| 304 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.107 | 0.005 | 0.003 | 0.107 | 0.019 | 0.053 | | | | | | | | | | |
| 305 | SC | Winyah | 6249 | 1 | D062491 | 0.088 | 0.004 | 0.003 | 0.088 | 0.015 | 0.044 | | | | | | | | | | |
| 306 | GA | Bowen | 703 | 3BLR | D007033LR | 0.088 | 0.004 | 0.003 | 0.088 | 0.015 | 0.043 | | | | | | | | | | |
| 307 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.085 | 0.004 | 0.003 | 0.085 | 0.015 | 0.042 | | | | | | | | | | |
| 308 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.016 | 0.001 | 0.000 | 0.016 | 0.003 | 0.008 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## F.12 2015 EGU Ranking Visibility Impairing Sources to Moosehorn

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 6.767 | 0.527 | 0.030 | 6.767 | 1.112 | 2.908 | 0.304 | 0.057 | 4.493 | 0.731 | 1.969 | 0.451 | 0.039 | 5.978 | 0.982 | 2.593 |
| 2 | PA | Homer City | 3122 | 1 | D031221 | 5.555 | 0.408 | 0.023 | 5.555 | 0.868 | 2.311 | 0.281 | 0.073 | 4.178 | 0.717 | 1.934 | 0.260 | 0.047 | 3.746 | 0.627 | 1.701 |
| 3 | ME | William F Wyman | 1507 | 4 | D015074 | 5.081 | 0.302 | 0.130 | 5.081 | 0.873 | 2.325 | 0.223 | 0.085 | 3.636 | 0.628 | 1.705 | 0.224 | 0.043 | 3.246 | 0.545 | 1.490 |
| 4 | PA | Homer City | 3122 | 2 | D031222 | 4.850 | 0.360 | 0.020 | 4.850 | 0.769 | 2.064 | 0.248 | 0.066 | 3.720 | 0.638 | 1.730 | 0.230 | 0.043 | 3.312 | 0.556 | 1.518 |
| 5 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 4.410 | 0.323 | 0.040 | 4.410 | 0.734 | 1.976 | 0.166 | 0.025 | 2.321 | 0.392 | 1.085 | 0.257 | 0.029 | 3.475 | 0.583 | 1.588 |
| 6 | MA | Brayton Point | 1619 | 4 | x07 | 3.648 | 0.232 | 0.050 | 3.436 | 0.575 | 1.569 | 0.230 | 0.070 | 3.648 | 0.611 | 1.662 | 0.124 | 0.040 | 1.987 | 0.337 | 0.938 |
| 7 | OH | Muskingum River | 2872 | 5 | D028725 | 3.211 | 0.265 | 0.003 | 3.211 | 0.546 | 1.493 | 0.169 | 0.007 | 2.135 | 0.363 | 1.007 | 0.163 | 0.008 | 2.076 | 0.352 | 0.978 |
| 8 | MA | Canal Station | 1599 | 1 | D015991 | 2.831 | 0.157 | 0.031 | 2.318 | 0.386 | 1.071 | 0.184 | 0.048 | 2.831 | 0.475 | 1.306 | 0.105 | 0.031 | 1.642 | 0.280 | 0.782 |
| 9 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 2.798 | 0.174 | 0.058 | 2.798 | 0.476 | 1.308 | 0.112 | 0.051 | 1.943 | 0.338 | 0.940 | 0.113 | 0.029 | 1.719 | 0.292 | 0.817 |
| 10 | MA | Canal Station | 1599 | 2 | D015992 | 2.759 | 0.123 | 0.054 | 2.233 | 0.366 | 1.015 | 0.131 | 0.092 | 2.759 | 0.460 | 1.268 | 0.059 | 0.051 | 1.345 | 0.229 | 0.645 |
| 11 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 2.710 | 0.211 | 0.010 | 2.710 | 0.452 | 1.245 | 0.140 | 0.022 | 1.963 | 0.334 | 0.929 | 0.089 | 0.013 | 1.239 | 0.212 | 0.595 |
| 12 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.271 | 0.163 | 0.023 | 2.271 | 0.382 | 1.059 | 0.103 | 0.018 | 1.478 | 0.250 | 0.700 | 0.162 | 0.012 | 2.112 | 0.358 | 0.995 |
| 13 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.169 | 0.104 | 0.011 | 1.382 | 0.236 | 0.663 | 0.108 | 0.014 | 1.483 | 0.253 | 0.709 | 0.156 | 0.023 | 2.169 | 0.368 | 1.020 |
| 14 | NH | Newington | 8002 | 1 | D080021 | 2.064 | 0.117 | 0.043 | 2.064 | 0.330 | 0.918 | 0.093 | 0.096 | 1.917 | 0.390 | 1.079 | 0.085 | 0.042 | 1.545 | 0.263 | 0.737 |
| 15 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 2.061 | 0.153 | 0.017 | 2.061 | 0.348 | 0.968 | 0.090 | 0.010 | 1.223 | 0.208 | 0.586 | 0.092 | 0.008 | 1.209 | 0.207 | 0.581 |
| 16 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 2.001 | 0.151 | 0.010 | 1.938 | 0.331 | 0.921 | 0.133 | 0.024 | 1.913 | 0.322 | 0.897 | 0.150 | 0.016 | 2.001 | 0.340 | 0.945 |
| 17 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 1.895 | 0.139 | 0.014 | 1.844 | 0.315 | 0.879 | 0.133 | 0.023 | 1.895 | 0.321 | 0.894 | 0.065 | 0.010 | 0.908 | 0.155 | 0.440 |
| 18 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 1.894 | 0.049 | 0.021 | 0.848 | 0.146 | 0.413 | 0.088 | 0.067 | 1.894 | 0.322 | 0.897 | 0.064 | 0.049 | 1.375 | 0.235 | 0.659 |
| 19 | PA | Keystone | 3136 | 1 | D031361 | 1.824 | 0.116 | 0.026 | 1.824 | 0.292 | 0.816 | 0.075 | 0.072 | 1.722 | 0.306 | 0.854 | 0.074 | 0.042 | 1.409 | 0.240 | 0.674 |
| 20 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 1.815 | 0.088 | 0.023 | 1.411 | 0.230 | 0.647 | 0.092 | 0.058 | 1.815 | 0.311 | 0.867 | 0.061 | 0.034 | 1.149 | 0.196 | 0.553 |
| 21 | PA | Keystone | 3136 | 2 | D031362 | 1.763 | 0.111 | 0.025 | 1.763 | 0.281 | 0.786 | 0.072 | 0.071 | 1.663 | 0.297 | 0.829 | 0.071 | 0.041 | 1.361 | 0.232 | 0.652 |
| 22 | MI | Belle River | | 2 | D060342 | 1.689 | 0.067 | 0.032 | 1.212 | 0.207 | 0.583 | 0.076 | 0.032 | 1.321 | 0.225 | 0.632 | 0.093 | 0.046 | 1.689 | 0.287 | 0.803 |
| 23 | WV | Harrison Power Station | | 1 (25%), 2 (20% | D03944C01 | 1.667 | 0.034 | 0.027 | 0.753 | 0.128 | 0.364 | 0.035 | 0.101 | 1.667 | 0.284 | 0.794 | 0.025 | 0.064 | 1.096 | 0.187 | 0.529 |
| 24 | PA | Brunner Island | 3140 | 3 | D031403 | 1.649 | 0.048 | 0.030 | 0.946 | 0.162 | 0.457 | 0.057 | 0.080 | 1.649 | 0.287 | 0.801 | 0.073 | 0.050 | 1.500 | 0.256 | 0.716 |
| 25 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 1.637 | 0.125 | 0.006 | 1.637 | 0.270 | 0.756 | 0.081 | 0.017 | 1.181 | 0.202 | 0.568 | 0.076 | 0.016 | 1.109 | 0.190 | 0.535 |
| 26 | MI | St. Clair | 1743 | 6 | D017436 | 1.621 | 0.101 | 0.009 | 1.313 | 0.227 | 0.638 | 0.129 | 0.008 | 1.621 | 0.282 | 0.788 | 0.101 | 0.012 | 1.369 | 0.234 | 0.656 |
| 27 | MI | St. Clair | 1743 | 7 | D017437 | 1.573 | 0.087 | 0.014 | 1.242 | 0.208 | 0.587 | 0.111 | 0.016 | 1.573 | 0.262 | 0.734 | 0.090 | 0.021 | 1.352 | 0.231 | 0.648 |
| 28 | MI | Belle River | | 1 | D060341 | 1.561 | 0.060 | 0.032 | 1.120 | 0.191 | 0.540 | 0.068 | 0.032 | 1.220 | 0.207 | 0.583 | 0.083 | 0.046 | 1.561 | 0.266 | 0.744 |
| 29 | IN | Tanners Creek | 988 | U4 | D00988U4 | 1.560 | 0.116 | 0.009 | 1.519 | 0.258 | 0.723 | 0.116 | 0.013 | 1.560 | 0.266 | 0.744 | 0.061 | 0.006 | 0.818 | 0.140 | 0.397 |
| 30 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 1.519 | 0.102 | 0.010 | 1.519 | 0.232 | 0.653 | 0.073 | 0.037 | 1.301 | 0.228 | 0.640 | 0.080 | 0.033 | 1.370 | 0.234 | 0.656 |
| 31 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.406 | 0.032 | 0.014 | 0.548 | 0.095 | 0.269 | 0.041 | 0.012 | 0.650 | 0.111 | 0.315 | 0.085 | 0.031 | 1.406 | 0.240 | 0.673 |
| 32 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 1.399 | 0.096 | 0.009 | 1.399 | 0.217 | 0.610 | 0.068 | 0.033 | 1.200 | 0.210 | 0.591 | 0.075 | 0.029 | 1.264 | 0.216 | 0.607 |
| 33 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 1.344 | 0.049 | 0.025 | 0.913 | 0.154 | 0.436 | 0.065 | 0.030 | 1.180 | 0.198 | 0.558 | 0.066 | 0.045 | 1.344 | 0.229 | 0.644 |
| 34 | PA | Montour | 3149 | 1 | D031491 | 1.340 | 0.079 | 0.027 | 1.340 | 0.219 | 0.615 | 0.045 | 0.064 | 1.321 | 0.227 | 0.639 | 0.051 | 0.059 | 1.336 | 0.228 | 0.641 |
| 35 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 1.328 | 0.114 | 0.003 | 1.328 | 0.240 | 0.674 | 0.038 | 0.003 | 0.500 | 0.085 | 0.242 | 0.039 | 0.003 | 0.508 | 0.087 | 0.248 |
| 36 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.268 | 0.038 | 0.005 | 0.524 | 0.090 | 0.255 | 0.104 | 0.004 | 1.268 | 0.222 | 0.625 | 0.091 | 0.011 | 1.229 | 0.210 | 0.591 |
| 37 | PA | Montour | 3149 | 2 | D031492 | 1.265 | 0.065 | 0.027 | 1.265 | 0.190 | 0.535 | 0.037 | 0.063 | 1.200 | 0.210 | 0.591 | 0.042 | 0.058 | 1.222 | 0.209 | 0.587 |
| 38 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 1.238 | 0.098 | 0.007 | 1.238 | 0.216 | 0.608 | 0.071 | 0.021 | 1.135 | 0.192 | 0.542 | 0.054 | 0.012 | 0.795 | 0.136 | 0.386 |
| 39 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 1.234 | 0.061 | 0.002 | 0.742 | 0.129 | 0.367 | 0.080 | 0.002 | 0.970 | 0.169 | 0.477 | 0.099 | 0.003 | 1.234 | 0.211 | 0.593 |
| 40 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 1.222 | 0.072 | 0.010 | 0.952 | 0.171 | 0.482 | 0.081 | 0.022 | 1.222 | 0.213 | 0.599 | 0.045 | 0.018 | 0.772 | 0.132 | 0.375 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | OH | Killen Station | 6031 | 2 | D060312 | 1.156 | 0.053 | 0.021 | 0.948 | 0.155 | 0.438 | 0.050 | 0.052 | 1.156 | 0.211 | 0.595 | 0.055 | 0.033 | 1.071 | 0.183 | 0.517 |
| 42 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 1.136 | 0.084 | 0.016 | 1.136 | 0.207 | 0.584 | 0.071 | 0.021 | 1.107 | 0.190 | 0.535 | 0.065 | 0.020 | 1.028 | 0.176 | 0.497 |
| 43 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.024 | 0.061 | 0.007 | 0.761 | 0.139 | 0.394 | 0.089 | 0.007 | 1.024 | 0.198 | 0.557 | 0.059 | 0.009 | 0.825 | 0.141 | 0.401 |
| 44 | PA | Homer City | | 3 | D031223 | 1.022 | 0.050 | 0.017 | 0.956 | 0.138 | 0.392 | 0.027 | 0.059 | 1.022 | 0.180 | 0.508 | 0.029 | 0.048 | 0.940 | 0.161 | 0.455 |
| 45 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 1.016 | 0.030 | 0.013 | 0.511 | 0.089 | 0.254 | 0.040 | 0.038 | 1.016 | 0.164 | 0.465 | 0.030 | 0.015 | 0.543 | 0.093 | 0.265 |
| 46 | NH | Merrimack | 2364 | 2 | D023642 | 0.998 | 0.032 | 0.083 | 0.944 | 0.242 | 0.679 | 0.030 | 0.087 | 0.899 | 0.246 | 0.690 | 0.037 | 0.044 | 0.998 | 0.171 | 0.482 |
| 47 | NH | Schiller | 2367 | 4 | | 0.950 | 0.039 | 0.025 | 0.769 | 0.133 | 0.376 | 0.043 | 0.017 | 0.733 | 0.125 | 0.356 | 0.053 | 0.025 | 0.950 | 0.163 | 0.459 |
| 48 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 0.934 | 0.052 | 0.013 | 0.934 | 0.135 | 0.383 | 0.041 | 0.035 | 0.864 | 0.159 | 0.451 | 0.043 | 0.027 | 0.850 | 0.146 | 0.412 |
| 49 | MA | Brayton Point | 1619 | 2 | D016192 | 0.929 | 0.032 | 0.036 | 0.929 | 0.142 | 0.402 | 0.024 | 0.032 | 0.716 | 0.118 | 0.336 | 0.029 | 0.043 | 0.886 | 0.152 | 0.429 |
| 50 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 0.918 | 0.047 | 0.010 | 0.694 | 0.119 | 0.339 | 0.054 | 0.021 | 0.918 | 0.156 | 0.441 | 0.030 | 0.007 | 0.450 | 0.077 | 0.221 |
| 51 | NH | Schiller | 2367 | 6 | | 0.913 | 0.039 | 0.021 | 0.740 | 0.126 | 0.357 | 0.044 | 0.015 | 0.705 | 0.121 | 0.344 | 0.054 | 0.021 | 0.913 | 0.156 | 0.442 |
| 52 | MD | C P Crane | 1552 | 2 | D015522 | 0.896 | 0.029 | 0.014 | 0.555 | 0.090 | 0.255 | 0.039 | 0.018 | 0.749 | 0.119 | 0.338 | 0.044 | 0.030 | 0.896 | 0.154 | 0.434 |
| 53 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.858 | 0.064 | 0.002 | 0.801 | 0.137 | 0.389 | 0.068 | 0.003 | 0.858 | 0.147 | 0.416 | 0.036 | 0.002 | 0.461 | 0.079 | 0.226 |
| 54 | PA | Martins Creek | 3148 | 3,4 | x21 | 0.848 | 0.001 | 0.024 | 0.393 | 0.053 | 0.151 | 0.001 | 0.069 | 0.848 | 0.149 | 0.422 | 0.001 | 0.056 | 0.705 | 0.121 | 0.343 |
| 55 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.837 | 0.055 | 0.015 | 0.837 | 0.144 | 0.408 | 0.035 | 0.012 | 0.568 | 0.097 | 0.277 | 0.043 | 0.014 | 0.689 | 0.118 | 0.336 |
| 56 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 0.834 | 0.043 | 0.006 | 0.576 | 0.101 | 0.287 | 0.069 | 0.006 | 0.834 | 0.154 | 0.435 | 0.043 | 0.007 | 0.604 | 0.104 | 0.295 |
| 57 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 0.816 | 0.055 | 0.006 | 0.743 | 0.127 | 0.361 | 0.045 | 0.019 | 0.767 | 0.133 | 0.378 | 0.059 | 0.008 | 0.816 | 0.140 | 0.396 |
| 58 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.793 | 0.043 | 0.020 | 0.793 | 0.132 | 0.374 | 0.024 | 0.018 | 0.495 | 0.088 | 0.251 | 0.020 | 0.011 | 0.375 | 0.064 | 0.184 |
| 59 | IA | Ottumwa | | 1 | D062541 | 0.735 | 0.039 | 0.020 | 0.735 | 0.124 | 0.352 | 0.016 | 0.009 | 0.313 | 0.054 | 0.153 | 0.036 | 0.020 | 0.681 | 0.117 | 0.332 |
| 60 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.729 | 0.048 | 0.007 | 0.677 | 0.115 | 0.326 | 0.048 | 0.012 | 0.729 | 0.125 | 0.355 | 0.025 | 0.006 | 0.384 | 0.066 | 0.188 |
| 61 | OH | Conesville | 2840 | 5,6 | D02840C06 | 0.729 | 0.036 | 0.011 | 0.474 | 0.098 | 0.280 | 0.024 | 0.034 | 0.729 | 0.121 | 0.342 | 0.016 | 0.018 | 0.411 | 0.071 | 0.201 |
| 62 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 0.722 | 0.057 | 0.003 | 0.722 | 0.124 | 0.351 | 0.044 | 0.002 | 0.557 | 0.096 | 0.272 | 0.034 | 0.001 | 0.429 | 0.074 | 0.210 |
| 63 | MO | Sibley | | 1, 2, 3 | D02094C01 | 0.707 | 0.045 | 0.019 | 0.707 | 0.134 | 0.378 | 0.026 | 0.008 | 0.398 | 0.072 | 0.206 | 0.043 | 0.009 | 0.633 | 0.109 | 0.309 |
| 64 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 0.707 | 0.035 | 0.010 | 0.620 | 0.094 | 0.268 | 0.024 | 0.029 | 0.665 | 0.112 | 0.318 | 0.023 | 0.035 | 0.707 | 0.121 | 0.344 |
| 65 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 0.684 | 0.035 | 0.021 | 0.684 | 0.116 | 0.330 | 0.022 | 0.015 | 0.478 | 0.078 | 0.222 | 0.016 | 0.009 | 0.298 | 0.051 | 0.146 |
| 66 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 0.682 | 0.037 | 0.017 | 0.682 | 0.113 | 0.321 | 0.024 | 0.017 | 0.506 | 0.087 | 0.247 | 0.027 | 0.020 | 0.576 | 0.099 | 0.281 |
| 67 | PA | Cheswick | 8226 | 1 | D082261 | 0.673 | 0.023 | 0.011 | 0.673 | 0.071 | 0.202 | 0.016 | 0.040 | 0.562 | 0.118 | 0.334 | 0.012 | 0.020 | 0.396 | 0.068 | 0.194 |
| 68 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.654 | 0.052 | 0.002 | 0.654 | 0.112 | 0.318 | 0.040 | 0.001 | 0.505 | 0.087 | 0.247 | 0.031 | 0.001 | 0.389 | 0.067 | 0.191 |
| 69 | GA | Yates | | Y6BR | D00728Y6R | 0.650 | 0.047 | 0.004 | 0.619 | 0.107 | 0.303 | 0.049 | 0.005 | 0.650 | 0.112 | 0.318 | 0.034 | 0.002 | 0.436 | 0.075 | 0.213 |
| 70 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.632 | 0.027 | 0.005 | 0.370 | 0.066 | 0.187 | 0.028 | 0.007 | 0.424 | 0.073 | 0.209 | 0.040 | 0.012 | 0.632 | 0.108 | 0.308 |
| 71 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33% | D02535C01 | 0.592 | 0.040 | 0.007 | 0.592 | 0.097 | 0.276 | 0.033 | 0.006 | 0.494 | 0.082 | 0.233 | 0.029 | 0.010 | 0.465 | 0.080 | 0.228 |
| 72 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 0.584 | 0.046 | 0.003 | 0.578 | 0.101 | 0.288 | 0.042 | 0.006 | 0.584 | 0.100 | 0.283 | 0.023 | 0.003 | 0.320 | 0.055 | 0.157 |
| 73 | TX | Big Brown | 3497 | 1 | | 0.582 | 0.041 | 0.004 | 0.530 | 0.092 | 0.261 | 0.045 | 0.004 | 0.582 | 0.101 | 0.287 | 0.015 | 0.000 | 0.181 | 0.031 | 0.089 |
| 74 | MA | Brayton Point | 1619 | 3 | D016193 | 0.576 | 0.028 | 0.017 | 0.576 | 0.095 | 0.269 | 0.026 | 0.017 | 0.542 | 0.091 | 0.259 | 0.017 | 0.012 | 0.352 | 0.061 | 0.173 |
| 75 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.571 | 0.041 | 0.008 | 0.571 | 0.102 | 0.290 | 0.019 | 0.006 | 0.298 | 0.052 | 0.149 | 0.029 | 0.012 | 0.492 | 0.085 | 0.241 |
| 76 | TX | Big Brown | 3497 | 2 | | 0.558 | 0.039 | 0.004 | 0.509 | 0.089 | 0.252 | 0.043 | 0.004 | 0.558 | 0.097 | 0.277 | 0.014 | 0.000 | 0.174 | 0.030 | 0.086 |
| 77 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.544 | 0.040 | 0.009 | 0.544 | 0.101 | 0.286 | 0.018 | 0.007 | 0.294 | 0.052 | 0.149 | 0.028 | 0.013 | 0.499 | 0.086 | 0.244 |
| 78 | IA | George Neal South | | 4 | D073434 | 0.539 | 0.013 | 0.008 | 0.252 | 0.043 | 0.124 | 0.014 | 0.008 | 0.269 | 0.046 | 0.130 | 0.027 | 0.017 | 0.539 | 0.093 | 0.264 |
| 79 | MA | Brayton Point | 1619 | 1 | D016191 | 0.535 | 0.033 | 0.010 | 0.535 | 0.089 | 0.253 | 0.026 | 0.010 | 0.437 | 0.076 | 0.215 | 0.032 | 0.012 | 0.523 | 0.090 | 0.256 |
| 80 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 0.535 | 0.031 | 0.012 | 0.535 | 0.089 | 0.253 | 0.017 | 0.011 | 0.325 | 0.059 | 0.168 | 0.014 | 0.007 | 0.250 | 0.043 | 0.123 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | NJ | B L England | 2378 | 2,3 | x12 | 0.525 | 0.018 | 0.015 | 0.401 | 0.071 | 0.201 | 0.020 | 0.015 | 0.423 | 0.074 | 0.212 | 0.031 | 0.013 | 0.525 | 0.090 | 0.257 |
| 82 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 0.521 | 0.035 | 0.001 | 0.454 | 0.073 | 0.209 | 0.033 | 0.000 | 0.421 | 0.070 | 0.200 | 0.043 | 0.000 | 0.521 | 0.090 | 0.255 |
| 83 | MD | C P Crane | 1552 | 1 | D015521 | 0.501 | 0.014 | 0.009 | 0.311 | 0.049 | 0.141 | 0.020 | 0.012 | 0.420 | 0.065 | 0.186 | 0.022 | 0.019 | 0.501 | 0.086 | 0.245 |
| 84 | MI | Monroe | 1733 | 1,2 | D01733C12 | 0.481 | 0.010 | 0.010 | 0.294 | 0.041 | 0.118 | 0.008 | 0.018 | 0.283 | 0.054 | 0.156 | 0.015 | 0.024 | 0.481 | 0.083 | 0.235 |
| 85 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.467 | 0.027 | 0.007 | 0.467 | 0.072 | 0.205 | 0.021 | 0.017 | 0.458 | 0.079 | 0.226 | 0.016 | 0.013 | 0.355 | 0.061 | 0.174 |
| 86 | MD | Brandon Shores | 602 | 2 | D006022 | 0.464 | 0.016 | 0.006 | 0.236 | 0.045 | 0.128 | 0.023 | 0.007 | 0.326 | 0.063 | 0.180 | 0.026 | 0.012 | 0.464 | 0.080 | 0.227 |
| 87 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 0.457 | 0.024 | 0.001 | 0.302 | 0.052 | 0.149 | 0.027 | 0.003 | 0.372 | 0.064 | 0.183 | 0.033 | 0.004 | 0.457 | 0.079 | 0.224 |
| 88 | KY | Paradise | 1378 | 2 | D013782 | 0.454 | 0.034 | 0.004 | 0.454 | 0.078 | 0.223 | 0.016 | 0.003 | 0.221 | 0.039 | 0.112 | 0.024 | 0.003 | 0.323 | 0.056 | 0.159 |
| 89 | MD | Brandon Shores | 602 | 1 | D006021 | 0.452 | 0.017 | 0.004 | 0.232 | 0.044 | 0.127 | 0.025 | 0.006 | 0.320 | 0.063 | 0.179 | 0.028 | 0.009 | 0.452 | 0.078 | 0.221 |
| 90 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.451 | 0.026 | 0.007 | 0.451 | 0.068 | 0.195 | 0.023 | 0.008 | 0.449 | 0.064 | 0.184 | 0.018 | 0.002 | 0.243 | 0.042 | 0.120 |
| 91 | DE | Indian River | 594 | 4 | D005944 | 0.422 | 0.019 | 0.002 | 0.238 | 0.042 | 0.121 | 0.032 | 0.004 | 0.422 | 0.074 | 0.211 | 0.011 | 0.002 | 0.158 | 0.027 | 0.078 |
| 92 | TX | Martin Lake | 6146 | 1 | | 0.416 | 0.026 | 0.006 | 0.382 | 0.067 | 0.190 | 0.029 | 0.006 | 0.416 | 0.073 | 0.207 | 0.009 | 0.001 | 0.122 | 0.021 | 0.060 |
| 93 | TX | Monticello | 6147 | 1 | | 0.399 | 0.027 | 0.003 | 0.364 | 0.062 | 0.177 | 0.030 | 0.003 | 0.399 | 0.068 | 0.195 | 0.010 | 0.000 | 0.121 | 0.021 | 0.060 |
| 94 | TX | Martin Lake | 6146 | 3 | | 0.395 | 0.025 | 0.005 | 0.362 | 0.063 | 0.181 | 0.027 | 0.006 | 0.395 | 0.069 | 0.197 | 0.009 | 0.001 | 0.116 | 0.020 | 0.057 |
| 95 | NH | Merrimack | 2364 | 1 | D023641 | 0.382 | 0.011 | 0.034 | 0.358 | 0.096 | 0.273 | 0.011 | 0.036 | 0.341 | 0.097 | 0.276 | 0.013 | 0.018 | 0.382 | 0.066 | 0.187 |
| 96 | KY | Paradise | 1378 | 1 | D01720C09 | 0.362 | 0.027 | 0.003 | 0.362 | 0.062 | 0.178 | 0.012 | 0.003 | 0.177 | 0.031 | 0.090 | 0.019 | 0.002 | 0.257 | 0.044 | 0.127 |
| 97 | KY | Paradise | 1378 | 3 | D013783 | 0.361 | 0.021 | 0.008 | 0.361 | 0.062 | 0.176 | 0.011 | 0.007 | 0.241 | 0.038 | 0.108 | 0.015 | 0.006 | 0.255 | 0.044 | 0.125 |
| 98 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 0.343 | 0.026 | 0.002 | 0.343 | 0.058 | 0.165 | 0.010 | 0.002 | 0.144 | 0.025 | 0.071 | 0.007 | 0.001 | 0.098 | 0.017 | 0.049 |
| 99 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.341 | 0.018 | 0.005 | 0.316 | 0.048 | 0.138 | 0.016 | 0.015 | 0.341 | 0.064 | 0.181 | 0.017 | 0.011 | 0.340 | 0.059 | 0.167 |
| 100 | OH | J M Stuart | 2850 | 4 | D028404 | 0.320 | 0.017 | 0.004 | 0.270 | 0.044 | 0.125 | 0.016 | 0.012 | 0.320 | 0.059 | 0.168 | 0.018 | 0.008 | 0.308 | 0.053 | 0.151 |
| 101 | TX | Martin Lake | 6146 | 2 | | 0.319 | 0.020 | 0.005 | 0.292 | 0.053 | 0.151 | 0.022 | 0.006 | 0.319 | 0.058 | 0.165 | 0.007 | 0.001 | 0.095 | 0.016 | 0.047 |
| 102 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 0.319 | 0.011 | 0.007 | 0.265 | 0.037 | 0.107 | 0.013 | 0.017 | 0.319 | 0.061 | 0.175 | 0.008 | 0.008 | 0.183 | 0.032 | 0.090 |
| 103 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.307 | 0.003 | 0.019 | 0.307 | 0.047 | 0.136 | 0.003 | 0.015 | 0.286 | 0.039 | 0.111 | 0.002 | 0.019 | 0.263 | 0.045 | 0.129 |
| 104 | MO | Labadie | | 4 | D021034 | 0.303 | 0.021 | 0.004 | 0.303 | 0.052 | 0.149 | 0.017 | 0.003 | 0.241 | 0.042 | 0.119 | 0.013 | 0.002 | 0.187 | 0.032 | 0.092 |
| 105 | OH | Cardinal | 2828 | 3 | D028283 | 0.296 | 0.012 | 0.004 | 0.296 | 0.034 | 0.096 | 0.009 | 0.008 | 0.228 | 0.036 | 0.103 | 0.006 | 0.007 | 0.150 | 0.026 | 0.074 |
| 106 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 0.286 | 0.012 | 0.005 | 0.241 | 0.036 | 0.103 | 0.014 | 0.012 | 0.286 | 0.054 | 0.155 | 0.008 | 0.005 | 0.165 | 0.028 | 0.081 |
| 107 | MD | Morgantown | 1573 | 1 | D015731 | 0.283 | 0.021 | 0.004 | 0.283 | 0.051 | 0.144 | 0.017 | 0.002 | 0.228 | 0.039 | 0.113 | 0.021 | 0.002 | 0.281 | 0.048 | 0.138 |
| 108 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.267 | 0.017 | 0.005 | 0.267 | 0.047 | 0.133 | 0.011 | 0.004 | 0.184 | 0.032 | 0.091 | 0.013 | 0.005 | 0.222 | 0.038 | 0.109 |
| 109 | KY | Mill Creek | 1364 | 4 | D013644 | 0.265 | 0.004 | 0.006 | 0.233 | 0.022 | 0.062 | 0.005 | 0.012 | 0.265 | 0.035 | 0.101 | 0.003 | 0.011 | 0.165 | 0.028 | 0.081 |
| 110 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.227 | 0.009 | 0.006 | 0.189 | 0.033 | 0.093 | 0.012 | 0.006 | 0.227 | 0.039 | 0.111 | 0.010 | 0.007 | 0.204 | 0.035 | 0.101 |
| 111 | OK | Grand River Dam Authority | | 1 | D001651 | 0.224 | 0.013 | 0.000 | 0.202 | 0.027 | 0.077 | 0.017 | 0.000 | 0.224 | 0.035 | 0.099 | 0.010 | 0.000 | 0.122 | 0.021 | 0.060 |
| 112 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.219 | 0.001 | 0.009 | 0.115 | 0.021 | 0.061 | 0.003 | 0.004 | 0.219 | 0.015 | 0.043 | 0.002 | 0.015 | 0.217 | 0.037 | 0.107 |
| 113 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.216 | 0.001 | 0.008 | 0.107 | 0.019 | 0.053 | 0.002 | 0.005 | 0.193 | 0.016 | 0.045 | 0.002 | 0.016 | 0.216 | 0.037 | 0.106 |
| 114 | WI | Columbia | | 1 | D080231 | 0.196 | 0.005 | 0.009 | 0.196 | 0.030 | 0.085 | 0.004 | 0.007 | 0.164 | 0.024 | 0.070 | 0.003 | 0.007 | 0.118 | 0.020 | 0.058 |
| 115 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.176 | 0.009 | 0.004 | 0.176 | 0.027 | 0.079 | 0.009 | 0.004 | 0.156 | 0.025 | 0.073 | 0.010 | 0.003 | 0.167 | 0.029 | 0.082 |
| 116 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.176 | 0.009 | 0.002 | 0.127 | 0.022 | 0.064 | 0.009 | 0.001 | 0.117 | 0.020 | 0.058 | 0.013 | 0.002 | 0.176 | 0.030 | 0.087 |
| 117 | WI | Columbia | | 2 | D080232 | 0.172 | 0.005 | 0.008 | 0.172 | 0.027 | 0.077 | 0.004 | 0.007 | 0.148 | 0.023 | 0.066 | 0.003 | 0.006 | 0.107 | 0.019 | 0.053 |
| 118 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.137 | 0.006 | 0.006 | 0.127 | 0.025 | 0.071 | 0.006 | 0.004 | 0.125 | 0.022 | 0.062 | 0.007 | 0.004 | 0.137 | 0.024 | 0.068 |
| 119 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.133 | 0.003 | 0.003 | 0.133 | 0.012 | 0.036 | 0.001 | 0.004 | 0.060 | 0.011 | 0.031 | 0.001 | 0.002 | 0.030 | 0.005 | 0.015 |
| 120 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.132 | 0.007 | 0.002 | 0.132 | 0.018 | 0.052 | 0.003 | 0.003 | 0.065 | 0.013 | 0.038 | 0.003 | 0.002 | 0.068 | 0.012 | 0.033 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.131 | 0.007 | 0.002 | 0.131 | 0.018 | 0.053 | 0.003 | 0.003 | 0.064 | 0.013 | 0.037 | 0.003 | 0.002 | 0.067 | 0.012 | 0.033 |
| 122 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.125 | 0.003 | 0.002 | 0.125 | 0.012 | 0.033 | 0.001 | 0.003 | 0.051 | 0.009 | 0.025 | 0.001 | 0.001 | 0.024 | 0.004 | 0.012 |
| 123 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.116 | 0.006 | 0.001 | 0.088 | 0.015 | 0.043 | 0.006 | 0.001 | 0.077 | 0.013 | 0.038 | 0.009 | 0.001 | 0.116 | 0.020 | 0.057 |
| 124 | GA | Scherer | | 1 | D062571 | 0.099 | 0.001 | 0.004 | 0.086 | 0.010 | 0.029 | 0.001 | 0.008 | 0.099 | 0.018 | 0.052 | 0.001 | 0.006 | 0.087 | 0.015 | 0.043 |
| 125 | GA | Scherer | | 4 | D062574 | 0.098 | 0.001 | 0.004 | 0.087 | 0.010 | 0.030 | 0.001 | 0.008 | 0.098 | 0.018 | 0.052 | 0.001 | 0.006 | 0.087 | 0.015 | 0.043 |
| 126 | GA | Scherer | | 2 | D062572 | 0.075 | 0.000 | 0.003 | 0.065 | 0.008 | 0.022 | 0.000 | 0.006 | 0.075 | 0.014 | 0.039 | 0.000 | 0.005 | 0.066 | 0.011 | 0.032 |
| 127 | GA | Yates | | Y7BR | D00728Y7R | 0.046 | 0.000 | 0.005 | 0.044 | 0.010 | 0.028 | 0.000 | 0.005 | 0.046 | 0.011 | 0.033 | 0.000 | 0.002 | 0.031 | 0.005 | 0.015 |
| 128 | KS | La Cygne | 1241 | 1 | | 0.040 | 0.003 | 0.000 | 0.040 | 0.006 | 0.018 | 0.002 | 0.000 | 0.031 | 0.005 | 0.015 | 0.002 | 0.000 | 0.022 | 0.004 | 0.011 |
| 129 | VA | Bremo Power Station | | 4 | D037964 | 0.015 | 0.000 | 0.001 | 0.014 | 0.003 | 0.007 | 0.000 | 0.001 | 0.011 | 0.002 | 0.006 | 0.000 | 0.001 | 0.015 | 0.003 | 0.008 |
| 130 | KS | La Cygne | | 2 | D012412 | 0.011 | 0.001 | 0.000 | 0.010 | 0.002 | 0.005 | 0.001 | 0.000 | 0.011 | 0.002 | 0.005 | 0.000 | 0.000 | 0.007 | 0.001 | 0.003 |

## F.13 2011 EGU Ranking Visibility Impairing Sources to Presidential Range/Dry River

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 21.883 | 1.323 | 0.224 | 18.736 | 2.361 | 6.855 | 1.348 | 0.456 | 21.883 | 2.709 | 7.656 | 0.858 | 0.322 | 14.164 | 1.834 | 5.565 |
| 2 | NH | Merrimack | 2364 | 2 | D023642 | 7.896 | 0.354 | 0.063 | 4.934 | 0.678 | 2.306 | 0.506 | 0.158 | 7.896 | 1.064 | 3.471 | 0.420 | 0.169 | 7.006 | 0.949 | 3.135 |
| 3 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 7.280 | 0.308 | 0.029 | 3.971 | 0.549 | 1.896 | 0.485 | 0.127 | 7.280 | 0.985 | 3.240 | 0.382 | 0.106 | 5.787 | 0.791 | 2.656 |
| 4 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 7.275 | 0.579 | 0.033 | 7.275 | 0.984 | 3.238 | 0.510 | 0.089 | 7.108 | 0.963 | 3.175 | 0.387 | 0.038 | 5.021 | 0.689 | 2.342 |
| 5 | MI | Monroe | 1733 | 1,2 | D01733C12 | 5.975 | 0.267 | 0.062 | 3.881 | 0.537 | 1.856 | 0.331 | 0.173 | 5.975 | 0.815 | 2.731 | 0.298 | 0.141 | 5.211 | 0.715 | 2.421 |
| 6 | PA | Homer City | 3122 | 2 | D031222 | 5.361 | 0.373 | 0.016 | 4.597 | 0.633 | 2.164 | 0.286 | 0.044 | 3.899 | 0.539 | 1.864 | 0.433 | 0.020 | 5.361 | 0.734 | 2.482 |
| 7 | PA | Homer City | 3122 | 1 | D031221 | 5.309 | 0.373 | 0.013 | 4.557 | 0.628 | 2.147 | 0.286 | 0.036 | 3.794 | 0.525 | 1.818 | 0.432 | 0.016 | 5.309 | 0.728 | 2.461 |
| 8 | OH | Eastlake | | 5 | D028375 | 5.258 | 0.200 | 0.029 | 2.703 | 0.377 | 1.329 | 0.390 | 0.054 | 5.258 | 0.721 | 2.440 | 0.254 | 0.072 | 3.851 | 0.533 | 1.843 |
| 9 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 4.771 | 0.393 | 0.010 | 4.771 | 0.656 | 2.237 | 0.328 | 0.038 | 4.323 | 0.596 | 2.048 | 0.294 | 0.020 | 3.710 | 0.514 | 1.782 |
| 10 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 4.573 | 0.288 | 0.018 | 3.609 | 0.500 | 1.737 | 0.277 | 0.027 | 3.581 | 0.497 | 1.725 | 0.364 | 0.023 | 4.573 | 0.630 | 2.154 |
| 11 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 4.222 | 0.189 | 0.050 | 2.819 | 0.393 | 1.382 | 0.219 | 0.137 | 4.222 | 0.583 | 2.004 | 0.122 | 0.047 | 1.990 | 0.279 | 0.995 |
| 12 | PA | Cheswick | 8226 | 1 | D082261 | 3.911 | 0.305 | 0.026 | 3.911 | 0.541 | 1.870 | 0.169 | 0.061 | 2.713 | 0.378 | 1.333 | 0.235 | 0.028 | 3.094 | 0.430 | 1.507 |
| 13 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 3.896 | 0.291 | 0.039 | 3.896 | 0.539 | 1.863 | 0.212 | 0.027 | 2.814 | 0.392 | 1.380 | 0.285 | 0.035 | 3.780 | 0.523 | 1.812 |
| 14 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 3.841 | 0.159 | 0.016 | 2.048 | 0.287 | 1.023 | 0.248 | 0.077 | 3.841 | 0.532 | 1.839 | 0.185 | 0.025 | 2.470 | 0.345 | 1.221 |
| 15 | NH | Merrimack | 2364 | 1 | D023641 | 3.815 | 0.177 | 0.028 | 2.419 | 0.338 | 1.197 | 0.253 | 0.070 | 3.815 | 0.528 | 1.827 | 0.210 | 0.076 | 3.380 | 0.469 | 1.635 |
| 16 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 3.624 | 0.200 | 0.026 | 2.654 | 0.370 | 1.306 | 0.236 | 0.071 | 3.624 | 0.502 | 1.744 | 0.137 | 0.038 | 2.067 | 0.290 | 1.031 |
| 17 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 3.243 | 0.261 | 0.015 | 3.243 | 0.451 | 1.574 | 0.068 | 0.020 | 1.031 | 0.145 | 0.528 | 0.134 | 0.023 | 1.841 | 0.258 | 0.924 |
| 18 | PA | Keystone | 3136 | 1 | D031361 | 3.187 | 0.205 | 0.033 | 2.801 | 0.390 | 1.373 | 0.144 | 0.109 | 2.999 | 0.418 | 1.464 | 0.223 | 0.047 | 3.187 | 0.443 | 1.549 |
| 19 | PA | Keystone | 3136 | 2 | D031362 | 3.172 | 0.204 | 0.033 | 2.788 | 0.389 | 1.368 | 0.144 | 0.108 | 2.983 | 0.415 | 1.456 | 0.222 | 0.047 | 3.172 | 0.441 | 1.542 |
| 20 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 2.917 | 0.126 | 0.029 | 1.822 | 0.256 | 0.915 | 0.124 | 0.122 | 2.917 | 0.406 | 1.427 | 0.104 | 0.053 | 1.854 | 0.260 | 0.930 |
| 21 | MA | Brayton Point | 1619 | 3 | D016193 | 2.821 | 0.213 | 0.027 | 2.821 | 0.393 | 1.383 | 0.184 | 0.044 | 2.679 | 0.374 | 1.317 | 0.183 | 0.053 | 2.784 | 0.388 | 1.366 |
| 22 | WV | Harrison Power Station | | 1 (25%), 2 (20 | D03944C01 | 2.797 | 0.043 | 0.047 | 1.060 | 0.150 | 0.542 | 0.046 | 0.188 | 2.797 | 0.390 | 1.372 | 0.042 | 0.061 | 1.222 | 0.172 | 0.623 |
| 23 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 2.753 | 0.122 | 0.009 | 1.532 | 0.215 | 0.774 | 0.190 | 0.043 | 2.753 | 0.384 | 1.352 | 0.142 | 0.014 | 1.832 | 0.257 | 0.919 |
| 24 | MI | St. Clair | 1743 | 7 | D017437 | 2.553 | 0.096 | 0.007 | 1.206 | 0.170 | 0.615 | 0.199 | 0.018 | 2.553 | 0.357 | 1.259 | 0.151 | 0.022 | 2.034 | 0.285 | 1.016 |
| 25 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 2.455 | 0.047 | 0.010 | 0.675 | 0.096 | 0.349 | 0.140 | 0.068 | 2.455 | 0.343 | 1.214 | 0.102 | 0.067 | 1.999 | 0.280 | 0.999 |
| 26 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 2.409 | 0.069 | 0.028 | 1.140 | 0.161 | 0.582 | 0.095 | 0.066 | 1.910 | 0.268 | 0.957 | 0.101 | 0.103 | 2.409 | 0.337 | 1.192 |
| 27 | IL | Powerton | | 51,52,61,62 | D00879C06 | 2.338 | 0.036 | 0.014 | 0.586 | 0.083 | 0.303 | 0.076 | 0.024 | 1.178 | 0.166 | 0.601 | 0.155 | 0.044 | 2.338 | 0.327 | 1.159 |
| 28 | OH | Cardinal | 2828 | 3 | D028283 | 2.312 | 0.190 | 0.006 | 2.312 | 0.323 | 1.147 | 0.137 | 0.017 | 1.801 | 0.253 | 0.905 | 0.123 | 0.007 | 1.525 | 0.215 | 0.771 |
| 29 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.288 | 0.106 | 0.014 | 1.411 | 0.199 | 0.716 | 0.162 | 0.032 | 2.288 | 0.320 | 1.136 | 0.113 | 0.025 | 1.629 | 0.229 | 0.821 |
| 30 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 2.262 | 0.040 | 0.058 | 1.155 | 0.163 | 0.589 | 0.071 | 0.103 | 2.071 | 0.290 | 1.033 | 0.062 | 0.128 | 2.262 | 0.317 | 1.123 |
| 31 | OH | Muskingum River | 2872 | 5 | D028725 | 2.232 | 0.186 | 0.004 | 2.232 | 0.312 | 1.109 | 0.177 | 0.012 | 2.214 | 0.310 | 1.101 | 0.121 | 0.005 | 1.476 | 0.208 | 0.747 |
| 32 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 2.209 | 0.074 | 0.023 | 1.139 | 0.161 | 0.582 | 0.130 | 0.057 | 2.209 | 0.309 | 1.098 | 0.074 | 0.064 | 1.634 | 0.230 | 0.824 |
| 33 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 2.134 | 0.121 | 0.015 | 1.597 | 0.224 | 0.806 | 0.136 | 0.045 | 2.134 | 0.299 | 1.063 | 0.130 | 0.016 | 1.715 | 0.241 | 0.863 |
| 34 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 2.034 | 0.164 | 0.009 | 2.034 | 0.285 | 1.016 | 0.123 | 0.033 | 1.828 | 0.257 | 0.917 | 0.139 | 0.016 | 1.813 | 0.254 | 0.910 |
| 35 | ME | William F Wyman | 1507 | 4 | D015074 | 1.985 | 0.081 | 0.073 | 1.825 | 0.256 | 0.916 | 0.088 | 0.079 | 1.985 | 0.278 | 0.992 | 0.092 | 0.041 | 1.562 | 0.220 | 0.789 |
| 36 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.977 | 0.016 | 0.037 | 0.622 | 0.088 | 0.322 | 0.025 | 0.141 | 1.977 | 0.277 | 0.988 | 0.023 | 0.087 | 1.311 | 0.185 | 0.666 |
| 37 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 1.917 | 0.159 | 0.004 | 1.917 | 0.269 | 0.960 | 0.133 | 0.016 | 1.747 | 0.245 | 0.878 | 0.119 | 0.008 | 1.495 | 0.210 | 0.756 |
| 38 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.913 | 0.027 | 0.051 | 0.928 | 0.131 | 0.476 | 0.039 | 0.122 | 1.913 | 0.268 | 0.958 | 0.018 | 0.037 | 0.653 | 0.092 | 0.338 |
| 39 | IN | Tanners Creek | 988 | U4 | D00988U4 | 1.898 | 0.152 | 0.010 | 1.898 | 0.266 | 0.951 | 0.107 | 0.018 | 1.466 | 0.206 | 0.742 | 0.108 | 0.013 | 1.430 | 0.201 | 0.725 |
| 40 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.882 | 0.036 | 0.012 | 0.570 | 0.081 | 0.295 | 0.102 | 0.019 | 1.424 | 0.200 | 0.722 | 0.115 | 0.045 | 1.882 | 0.264 | 0.943 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 1.875 | 0.118 | 0.016 | **1.575** | 0.221 | 0.796 | 0.122 | 0.037 | **1.875** | 0.263 | 0.940 | 0.061 | 0.018 | 0.931 | 0.132 | 0.478 |
| 42 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 1.846 | 0.117 | 0.016 | **1.553** | 0.218 | 0.785 | 0.121 | 0.036 | **1.846** | 0.259 | 0.926 | 0.061 | 0.017 | 0.916 | 0.129 | 0.470 |
| 43 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (3: | D02535C01 | 1.816 | 0.139 | 0.015 | **1.816** | 0.255 | 0.912 | 0.094 | 0.017 | **1.311** | 0.185 | 0.666 | 0.105 | 0.033 | **1.629** | 0.229 | 0.822 |
| 44 | NH | Newington | 8002 | 1 | D080021 | 1.791 | 0.065 | 0.050 | **1.353** | 0.191 | 0.687 | 0.116 | 0.036 | **1.787** | 0.251 | 0.898 | 0.089 | 0.062 | **1.791** | 0.251 | 0.900 |
| 45 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 1.715 | 0.092 | 0.027 | **1.405** | 0.198 | 0.713 | 0.055 | 0.015 | 0.832 | 0.118 | 0.428 | 0.117 | 0.029 | **1.715** | 0.241 | 0.863 |
| 46 | MI | St. Clair | 1743 | 6 | D017436 | 1.706 | 0.055 | 0.005 | 0.699 | 0.099 | 0.361 | 0.133 | 0.012 | **1.706** | 0.240 | 0.859 | 0.095 | 0.015 | **1.300** | 0.183 | 0.661 |
| 47 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 1.689 | 0.115 | 0.014 | **1.506** | 0.212 | 0.762 | 0.099 | 0.044 | **1.689** | 0.237 | 0.851 | 0.095 | 0.017 | **1.312** | 0.185 | 0.667 |
| 48 | PA | Montour | 3149 | 1 | D031491 | 1.681 | 0.081 | 0.031 | **1.322** | 0.186 | 0.672 | 0.063 | 0.079 | **1.681** | 0.236 | 0.847 | 0.070 | 0.045 | **1.360** | 0.192 | 0.691 |
| 49 | NJ | B L England | 2378 | 1 | | 1.647 | 0.060 | 0.016 | 0.887 | 0.125 | 0.456 | 0.116 | 0.024 | **1.647** | 0.231 | 0.830 | 0.066 | 0.008 | 0.875 | 0.124 | 0.450 |
| 50 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.624 | 0.046 | 0.017 | 0.749 | 0.106 | 0.386 | 0.115 | 0.023 | **1.624** | 0.228 | 0.819 | 0.081 | 0.040 | **1.424** | 0.200 | 0.722 |
| 51 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 1.616 | 0.129 | 0.008 | **1.616** | 0.227 | 0.815 | 0.049 | 0.013 | 0.739 | 0.104 | 0.381 | 0.067 | 0.012 | 0.924 | 0.130 | 0.474 |
| 52 | PA | Montour | 3149 | 2 | D031492 | 1.597 | 0.082 | 0.028 | **1.297** | 0.183 | 0.659 | 0.064 | 0.071 | **1.597** | 0.225 | 0.806 | 0.071 | 0.040 | **1.317** | 0.185 | 0.669 |
| 53 | MI | Belle River | | 2 | D060342 | 1.534 | 0.059 | 0.018 | 0.903 | 0.128 | 0.464 | 0.088 | 0.042 | **1.534** | 0.216 | 0.775 | 0.067 | 0.052 | **1.413** | 0.199 | 0.717 |
| 54 | PA | Portland | | 3 (2) | d031132 | 1.531 | 0.074 | 0.008 | 0.971 | 0.137 | 0.498 | 0.105 | 0.025 | **1.531** | 0.215 | 0.774 | 0.083 | 0.022 | **1.236** | 0.174 | 0.630 |
| 55 | MA | Brayton Point | 1619 | 2 | D016192 | 1.530 | 0.078 | 0.017 | **1.120** | 0.158 | 0.572 | 0.080 | 0.032 | **1.318** | 0.186 | 0.670 | 0.082 | 0.048 | **1.530** | 0.215 | 0.774 |
| 56 | MI | Belle River | | 1 | D060341 | 1.514 | 0.058 | 0.018 | 0.890 | 0.126 | 0.457 | 0.086 | 0.042 | **1.514** | 0.213 | 0.766 | 0.066 | 0.052 | **1.397** | 0.197 | 0.708 |
| 57 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 1.477 | 0.046 | 0.019 | 0.768 | 0.109 | 0.396 | 0.057 | 0.068 | **1.477** | 0.208 | 0.747 | 0.037 | 0.023 | 0.699 | 0.099 | 0.361 |
| 58 | WI | Columbia | | 1 | D080231 | 1.442 | 0.028 | 0.008 | 0.425 | 0.060 | 0.221 | 0.062 | 0.010 | 0.841 | 0.119 | 0.433 | 0.097 | 0.026 | **1.442** | 0.203 | 0.731 |
| 59 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 1.412 | 0.100 | 0.020 | **1.412** | 0.199 | 0.716 | 0.090 | 0.024 | **1.344** | 0.189 | 0.683 | 0.067 | 0.011 | 0.913 | 0.129 | 0.469 |
| 60 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 1.385 | 0.069 | 0.017 | **1.010** | 0.142 | 0.517 | 0.078 | 0.040 | **1.385** | 0.195 | 0.703 | 0.065 | 0.021 | **1.014** | 0.143 | 0.519 |
| 61 | WI | Columbia | | 2 | D080232 | 1.380 | 0.033 | 0.009 | 0.499 | 0.071 | 0.259 | 0.068 | 0.011 | 0.922 | 0.130 | 0.473 | 0.092 | 0.026 | **1.380** | 0.194 | 0.700 |
| 62 | PA | Brunner Island | 3140 | 3 | D031403 | 1.363 | 0.066 | 0.023 | **1.050** | 0.148 | 0.537 | 0.052 | 0.059 | **1.311** | 0.185 | 0.666 | 0.058 | 0.057 | **1.363** | 0.192 | 0.692 |
| 63 | OH | Killen Station | 6031 | 2 | D060312 | 1.327 | 0.042 | 0.013 | 0.638 | 0.090 | 0.330 | 0.060 | 0.053 | **1.327** | 0.187 | 0.674 | 0.035 | 0.018 | 0.622 | 0.088 | 0.322 |
| 64 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 1.297 | 0.060 | 0.030 | **1.062** | 0.150 | 0.543 | 0.049 | 0.061 | **1.297** | 0.183 | 0.660 | 0.052 | 0.047 | **1.176** | 0.166 | 0.600 |
| 65 | MD | C P Crane | 1552 | 2 | D015522 | 1.249 | 0.050 | 0.007 | 0.675 | 0.096 | 0.349 | 0.070 | 0.036 | **1.249** | 0.176 | 0.636 | 0.069 | 0.016 | **1.005** | 0.142 | 0.515 |
| 66 | MD | Morgantown | 1573 | 1 | D015731 | 1.239 | 0.088 | 0.003 | **1.067** | 0.151 | 0.546 | 0.096 | 0.010 | **1.239** | 0.175 | 0.631 | 0.087 | 0.003 | **1.052** | 0.149 | 0.538 |
| 67 | MA | Brayton Point | 1619 | 1 | D016191 | 1.227 | 0.068 | 0.011 | 0.936 | 0.132 | 0.480 | 0.074 | 0.020 | **1.109** | 0.156 | 0.567 | 0.072 | 0.032 | **1.227** | 0.173 | 0.625 |
| 68 | PA | Armstrong Power Station | | 1 | D031781 | 1.216 | 0.098 | 0.005 | **1.216** | 0.171 | 0.620 | 0.064 | 0.018 | 0.964 | 0.136 | 0.494 | | | | | |
| 69 | PA | Armstrong Power Station | | 2 | D031782 | 1.198 | 0.096 | 0.006 | **1.198** | 0.169 | 0.610 | 0.063 | 0.019 | 0.964 | 0.136 | 0.494 | | | | | |
| 70 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 1.195 | 0.042 | 0.018 | 0.703 | 0.099 | 0.363 | 0.069 | 0.033 | **1.195** | 0.168 | 0.609 | 0.044 | 0.025 | 0.823 | 0.116 | 0.423 |
| 71 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 1.156 | 0.041 | 0.013 | 0.638 | 0.090 | 0.330 | 0.051 | 0.047 | **1.156** | 0.163 | 0.590 | 0.033 | 0.016 | 0.569 | 0.080 | 0.294 |
| 72 | MN | Sherburne County | | 1, 2 | D06090CS1 | 1.144 | 0.033 | 0.025 | 0.685 | 0.097 | 0.354 | 0.052 | 0.034 | **1.010** | 0.143 | 0.517 | 0.058 | 0.039 | **1.144** | 0.161 | 0.584 |
| 73 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 1.136 | 0.048 | 0.014 | 0.732 | 0.103 | 0.377 | 0.030 | 0.009 | 0.456 | 0.065 | 0.237 | 0.076 | 0.021 | **1.136** | 0.160 | 0.580 |
| 74 | MD | C P Crane | 1552 | 1 | D015521 | 1.123 | 0.046 | 0.006 | 0.610 | 0.086 | 0.315 | 0.063 | 0.032 | **1.123** | 0.158 | 0.573 | 0.063 | 0.014 | 0.906 | 0.128 | 0.465 |
| 75 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.116 | 0.072 | 0.008 | 0.946 | 0.134 | 0.486 | 0.063 | 0.009 | 0.840 | 0.119 | 0.432 | 0.085 | 0.010 | **1.116** | 0.157 | 0.570 |
| 76 | NC | L V Sutton | | 3 | D027133 | 1.114 | 0.048 | 0.006 | 0.631 | 0.089 | 0.326 | 0.080 | 0.015 | **1.114** | 0.157 | 0.569 | 0.035 | 0.011 | 0.550 | 0.078 | 0.285 |
| 77 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 1.110 | 0.068 | 0.005 | 0.854 | 0.121 | 0.439 | 0.065 | 0.013 | 0.915 | 0.129 | 0.470 | 0.082 | 0.013 | **1.110** | 0.157 | 0.567 |
| 78 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 1.108 | 0.070 | 0.007 | 0.904 | 0.128 | 0.464 | 0.075 | 0.008 | 0.974 | 0.138 | 0.499 | 0.086 | 0.009 | **1.108** | 0.156 | 0.566 |
| 79 | GA | Yates | | Y6BR | D00728Y6R | 1.108 | 0.082 | 0.003 | 0.998 | 0.141 | 0.511 | 0.043 | 0.005 | 0.559 | 0.079 | 0.290 | 0.088 | 0.007 | **1.108** | 0.156 | 0.566 |
| 80 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 1.106 | 0.084 | 0.010 | **1.106** | 0.156 | 0.565 | 0.065 | 0.011 | 0.889 | 0.126 | 0.457 | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 1.103 | 0.033 | 0.011 | 0.514 | 0.073 | 0.266 | 0.075 | 0.019 | **1.103** | 0.156 | 0.564 | 0.065 | 0.027 | **1.081** | 0.153 | 0.553 |
| 82 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 1.098 | 0.089 | 0.005 | **1.098** | 0.155 | 0.561 | 0.027 | 0.004 | 0.359 | 0.051 | 0.187 | 0.038 | 0.006 | 0.509 | 0.072 | 0.264 |
| 83 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 1.075 | 0.071 | 0.002 | 0.856 | 0.121 | 0.440 | 0.054 | 0.003 | 0.665 | 0.094 | 0.344 | 0.089 | 0.003 | **1.075** | 0.152 | 0.550 |
| 84 | PA | Homer City | | 3 | D031223 | 1.073 | 0.045 | 0.018 | 0.749 | 0.106 | 0.386 | 0.032 | 0.059 | **1.073** | 0.151 | 0.549 | 0.047 | 0.026 | 0.868 | 0.123 | 0.446 |
| 85 | OH | Conesville | 2840 | 5,6 | D02840C06 | 1.068 | 0.030 | 0.024 | 0.638 | 0.090 | 0.330 | 0.028 | 0.062 | **1.068** | 0.151 | 0.546 | 0.015 | 0.034 | 0.587 | 0.083 | 0.304 |
| 86 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.068 | 0.042 | 0.003 | 0.530 | 0.075 | 0.275 | 0.083 | 0.008 | **1.068** | 0.151 | 0.546 | 0.059 | 0.013 | 0.839 | 0.119 | 0.432 |
| 87 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 1.063 | 0.067 | 0.010 | 0.906 | 0.128 | 0.465 | 0.071 | 0.019 | **1.063** | 0.150 | 0.544 | 0.043 | 0.009 | 0.611 | 0.086 | 0.316 |
| 88 | DE | Indian River | 594 | 4 | D005944 | 1.057 | 0.021 | 0.003 | 0.290 | 0.041 | 0.151 | 0.082 | 0.008 | **1.057** | 0.149 | 0.541 | 0.017 | 0.003 | 0.234 | 0.033 | 0.122 |
| 89 | MD | Brandon Shores | 602 | 2 | D006022 | 1.057 | 0.015 | 0.015 | 0.361 | 0.051 | 0.188 | 0.016 | 0.072 | **1.057** | 0.149 | 0.541 | 0.016 | 0.024 | 0.468 | 0.066 | 0.243 |
| 90 | IA | Ottumwa | | 1 | D062541 | 1.039 | 0.034 | 0.008 | 0.488 | 0.069 | 0.253 | 0.055 | 0.011 | 0.786 | 0.111 | 0.405 | 0.073 | 0.015 | **1.039** | 0.147 | 0.532 |
| 91 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 1.016 | 0.038 | 0.013 | 0.602 | 0.085 | 0.311 | 0.051 | 0.035 | **1.016** | 0.143 | 0.520 | 0.026 | 0.017 | 0.509 | 0.072 | 0.264 |
| 92 | OK | Northeastern | | 3313, 3314 | D02963C10 | 1.013 | 0.054 | 0.032 | **1.013** | 0.143 | 0.519 | 0.041 | 0.023 | 0.759 | 0.107 | 0.391 | 0.041 | 0.006 | 0.553 | 0.078 | 0.287 |
| 93 | MD | Brandon Shores | 602 | 1 | D006021 | 1.009 | 0.016 | 0.014 | 0.353 | 0.050 | 0.184 | 0.016 | 0.068 | **1.009** | 0.142 | 0.517 | 0.016 | 0.022 | 0.454 | 0.064 | 0.236 |
| 94 | MI | J C Weadock | | 7, 8 | D01720C09 | 1.000 | 0.034 | 0.010 | 0.511 | 0.072 | 0.265 | 0.071 | 0.014 | **1.000** | 0.141 | 0.512 | 0.064 | 0.021 | 0.990 | 0.140 | 0.507 |
| 95 | NH | Schiller | 2367 | 6 | | 0.990 | 0.030 | 0.011 | 0.481 | 0.068 | 0.250 | 0.047 | 0.037 | 0.990 | 0.140 | 0.508 | 0.036 | 0.023 | 0.688 | 0.097 | 0.355 |
| 96 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 0.990 | 0.049 | 0.005 | 0.638 | 0.090 | 0.330 | 0.068 | 0.016 | 0.990 | 0.140 | 0.507 | 0.056 | 0.007 | 0.744 | 0.105 | 0.384 |
| 97 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 0.989 | 0.065 | 0.006 | 0.829 | 0.117 | 0.427 | 0.060 | 0.013 | 0.850 | 0.120 | 0.437 | 0.072 | 0.012 | 0.989 | 0.140 | 0.507 |
| 98 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 0.987 | 0.065 | 0.016 | 0.953 | 0.135 | 0.489 | 0.059 | 0.025 | 0.987 | 0.139 | 0.506 | 0.039 | 0.016 | 0.653 | 0.092 | 0.338 |
| 99 | SC | Canadys Steam | | CAN3 | D03280CN3 | 0.983 | 0.080 | 0.004 | 0.983 | 0.139 | 0.504 | 0.026 | 0.003 | 0.347 | 0.049 | 0.181 | 0.029 | 0.004 | 0.391 | 0.055 | 0.203 |
| 100 | IA | George Neal South | | 4 | D073434 | 0.978 | 0.030 | 0.009 | 0.451 | 0.064 | 0.235 | 0.053 | 0.013 | 0.772 | 0.109 | 0.398 | 0.062 | 0.021 | 0.978 | 0.138 | 0.501 |
| 101 | NH | Schiller | 2367 | 4 | | 0.976 | 0.029 | 0.011 | 0.475 | 0.067 | 0.247 | 0.047 | 0.036 | 0.976 | 0.138 | 0.500 | 0.035 | 0.022 | 0.679 | 0.096 | 0.351 |
| 102 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.973 | 0.064 | 0.002 | 0.776 | 0.110 | 0.400 | 0.049 | 0.003 | 0.603 | 0.085 | 0.312 | 0.080 | 0.003 | 0.973 | 0.137 | 0.499 |
| 103 | PA | Sunbury | | 4 | D031524 | 0.969 | 0.081 | 0.002 | 0.963 | 0.136 | 0.494 | 0.066 | 0.009 | 0.884 | 0.125 | 0.454 | 0.077 | 0.006 | 0.969 | 0.137 | 0.497 |
| 104 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 0.967 | 0.070 | 0.012 | 0.967 | 0.137 | 0.496 | | | | | | | | | | |
| 105 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.936 | 0.053 | 0.006 | 0.696 | 0.098 | 0.359 | 0.069 | 0.011 | 0.936 | 0.132 | 0.480 | 0.061 | 0.017 | 0.919 | 0.130 | 0.472 |
| 106 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 0.928 | 0.066 | 0.013 | 0.928 | 0.131 | 0.476 | | | | | | | | | | |
| 107 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 0.925 | 0.076 | 0.003 | 0.925 | 0.131 | 0.475 | 0.030 | 0.006 | 0.427 | 0.060 | 0.222 | 0.037 | 0.004 | 0.480 | 0.068 | 0.249 |
| 108 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.913 | 0.074 | 0.004 | 0.913 | 0.129 | 0.469 | 0.024 | 0.003 | 0.314 | 0.045 | 0.164 | 0.032 | 0.004 | 0.415 | 0.059 | 0.216 |
| 109 | PA | Portland | | 2 (1) | d031131 | 0.911 | 0.046 | 0.003 | 0.573 | 0.081 | 0.297 | 0.068 | 0.010 | 0.911 | 0.129 | 0.468 | 0.051 | 0.008 | 0.695 | 0.098 | 0.359 |
| 110 | KY | Paradise | 1378 | 3 | D013783 | 0.904 | 0.036 | 0.041 | 0.904 | 0.128 | 0.464 | 0.025 | 0.050 | 0.901 | 0.127 | 0.463 | 0.027 | 0.037 | 0.754 | 0.107 | 0.389 |
| 111 | TX | Big Brown | 3497 | 2 | | 0.903 | 0.073 | 0.004 | 0.903 | 0.127 | 0.464 | 0.070 | 0.001 | 0.830 | 0.117 | 0.427 | 0.044 | 0.001 | 0.528 | 0.075 | 0.274 |
| 112 | SC | Jefferies | 3319 | 4 | | 0.895 | 0.070 | 0.006 | 0.895 | 0.126 | 0.459 | 0.037 | 0.005 | 0.499 | 0.071 | 0.259 | 0.021 | 0.005 | 0.300 | 0.043 | 0.157 |
| 113 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 0.894 | 0.037 | 0.009 | 0.532 | 0.075 | 0.276 | 0.041 | 0.035 | 0.894 | 0.126 | 0.459 | 0.041 | 0.013 | 0.639 | 0.090 | 0.331 |
| 114 | SC | Jefferies | 3319 | 3 | | 0.893 | 0.070 | 0.006 | 0.893 | 0.126 | 0.459 | 0.038 | 0.005 | 0.498 | 0.071 | 0.259 | 0.022 | 0.005 | 0.317 | 0.045 | 0.165 |
| 115 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.884 | 0.073 | 0.003 | 0.884 | 0.125 | 0.454 | 0.053 | 0.004 | 0.665 | 0.094 | 0.343 | 0.059 | 0.003 | 0.733 | 0.104 | 0.378 |
| 116 | OH | J M Stuart | 2850 | 4 | D028404 | 0.873 | 0.031 | 0.007 | 0.448 | 0.063 | 0.233 | 0.048 | 0.026 | 0.873 | 0.123 | 0.449 | 0.031 | 0.010 | 0.478 | 0.068 | 0.248 |
| 117 | TX | Big Brown | 3497 | 1 | | 0.861 | 0.070 | 0.004 | 0.861 | 0.122 | 0.443 | 0.067 | 0.001 | 0.791 | 0.112 | 0.407 | 0.042 | 0.001 | 0.503 | 0.071 | 0.261 |
| 118 | WV | Albright Power Station | 3942 | 3 | D039423 | 0.855 | 0.071 | 0.002 | 0.855 | 0.121 | 0.440 | 0.050 | 0.013 | 0.740 | 0.105 | 0.382 | 0.063 | 0.004 | 0.783 | 0.111 | 0.403 |
| 119 | VA | Chesapeake Energy Center | | 4 | D038034 | 0.850 | 0.045 | 0.014 | 0.690 | 0.098 | 0.357 | 0.042 | 0.010 | 0.613 | 0.087 | 0.317 | 0.062 | 0.010 | 0.850 | 0.120 | 0.437 |
| 120 | NJ | B L England | 2378 | 2,3 | x12 | 0.845 | 0.018 | 0.023 | 0.491 | 0.070 | 0.255 | 0.036 | 0.036 | 0.845 | 0.119 | 0.434 | 0.020 | 0.012 | 0.385 | 0.055 | 0.200 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 0.842 | 0.047 | 0.005 | 0.607 | 0.086 | 0.314 | 0.050 | 0.022 | 0.842 | 0.119 | 0.433 | 0.047 | 0.007 | 0.625 | 0.089 | 0.323 |
| 122 | GA | Scherer | | 4 | D062574 | 0.841 | 0.068 | 0.003 | 0.841 | 0.119 | 0.433 | 0.025 | 0.006 | 0.365 | 0.052 | 0.190 | 0.050 | 0.006 | 0.664 | 0.094 | 0.343 |
| 123 | PA | Sunbury | | 3 | D031523 | 0.841 | 0.070 | 0.002 | 0.841 | 0.119 | 0.433 | 0.059 | 0.009 | 0.804 | 0.114 | 0.414 | 0.063 | 0.006 | 0.808 | 0.114 | 0.416 |
| 124 | GA | Yates | | Y7BR | D00728Y7R | 0.824 | 0.061 | 0.003 | 0.740 | 0.105 | 0.382 | 0.032 | 0.004 | 0.417 | 0.059 | 0.217 | 0.065 | 0.005 | 0.824 | 0.116 | 0.424 |
| 125 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.821 | 0.067 | 0.003 | 0.821 | 0.116 | 0.423 | 0.049 | 0.004 | 0.621 | 0.088 | 0.321 | 0.055 | 0.003 | 0.682 | 0.096 | 0.352 |
| 126 | GA | Scherer | | 1 | D062571 | 0.820 | 0.066 | 0.004 | 0.820 | 0.116 | 0.422 | 0.024 | 0.007 | 0.362 | 0.051 | 0.188 | 0.048 | 0.007 | 0.644 | 0.091 | 0.333 |
| 127 | GA | Scherer | | 2 | D062572 | 0.815 | 0.066 | 0.004 | 0.815 | 0.115 | 0.420 | 0.024 | 0.006 | 0.356 | 0.050 | 0.185 | 0.048 | 0.006 | 0.637 | 0.090 | 0.329 |
| 128 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.812 | 0.068 | 0.002 | 0.812 | 0.115 | 0.418 | 0.044 | 0.002 | 0.542 | 0.077 | 0.281 | 0.057 | 0.003 | 0.706 | 0.100 | 0.364 |
| 129 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.811 | 0.047 | 0.010 | 0.668 | 0.095 | 0.345 | 0.050 | 0.019 | 0.811 | 0.115 | 0.417 | 0.030 | 0.009 | 0.455 | 0.065 | 0.237 |
| 130 | KY | Paradise | 1378 | 2 | D013782 | 0.810 | 0.062 | 0.007 | 0.810 | 0.115 | 0.417 | 0.047 | 0.007 | 0.640 | 0.091 | 0.331 | 0.045 | 0.007 | 0.606 | 0.086 | 0.314 |
| 131 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.792 | 0.039 | 0.007 | 0.538 | 0.076 | 0.279 | 0.052 | 0.016 | 0.792 | 0.112 | 0.408 | 0.043 | 0.023 | 0.773 | 0.109 | 0.398 |
| 132 | MO | New Madrid Power Plant | | 1 | D021671 | 0.790 | 0.025 | 0.042 | 0.790 | 0.112 | 0.407 | | | | | | | | | | |
| 133 | MO | Labadie | | 4 | D021034 | 0.788 | 0.029 | 0.006 | 0.414 | 0.059 | 0.215 | 0.063 | 0.005 | 0.788 | 0.111 | 0.406 | 0.048 | 0.006 | 0.630 | 0.089 | 0.326 |
| 134 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.775 | 0.036 | 0.007 | 0.504 | 0.071 | 0.262 | 0.036 | 0.030 | 0.775 | 0.110 | 0.399 | 0.030 | 0.010 | 0.466 | 0.066 | 0.242 |
| 135 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 0.761 | 0.049 | 0.016 | 0.761 | 0.108 | 0.392 | | | | | | | | | | |
| 136 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 0.750 | 0.057 | 0.007 | 0.750 | 0.106 | 0.387 | 0.023 | 0.007 | 0.348 | 0.049 | 0.181 | 0.044 | 0.010 | 0.635 | 0.090 | 0.328 |
| 137 | KS | La Cygne | | 2 | D012412 | 0.716 | 0.045 | 0.016 | 0.716 | 0.101 | 0.370 | 0.042 | 0.015 | 0.671 | 0.095 | 0.347 | 0.037 | 0.018 | 0.649 | 0.092 | 0.335 |
| 138 | KY | Paradise | 1378 | 1 | D01720C09 | 0.716 | 0.054 | 0.007 | 0.716 | 0.101 | 0.370 | 0.041 | 0.007 | 0.567 | 0.080 | 0.293 | 0.039 | 0.006 | 0.537 | 0.076 | 0.278 |
| 139 | AR | White Bluff | | 1 | D060091 | 0.713 | 0.040 | 0.020 | 0.713 | 0.101 | 0.368 | | | | | | | | | | |
| 140 | AR | White Bluff | | 2 | D060092 | 0.708 | 0.039 | 0.021 | 0.708 | 0.100 | 0.366 | | | | | | | | | | |
| 141 | TX | Martin Lake | 6146 | 1 | | 0.698 | 0.052 | 0.007 | 0.698 | 0.099 | 0.361 | 0.050 | 0.002 | 0.607 | 0.086 | 0.314 | 0.032 | 0.002 | 0.389 | 0.055 | 0.202 |
| 142 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 0.698 | 0.035 | 0.024 | 0.698 | 0.099 | 0.360 | | | | | | | | | | |
| 143 | MA | Canal Station | 1599 | 1 | D015991 | 0.695 | 0.036 | 0.013 | 0.576 | 0.082 | 0.298 | 0.042 | 0.017 | 0.695 | 0.098 | 0.359 | 0.028 | 0.008 | 0.416 | 0.059 | 0.216 |
| 144 | MA | Salem Harbor Station | 1626 | 1 | | 0.690 | 0.019 | 0.013 | 0.374 | 0.053 | 0.195 | 0.032 | 0.026 | 0.690 | 0.098 | 0.356 | 0.033 | 0.019 | 0.608 | 0.086 | 0.314 |
| 145 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.687 | 0.015 | 0.022 | 0.431 | 0.061 | 0.224 | 0.011 | 0.020 | 0.366 | 0.052 | 0.191 | 0.020 | 0.038 | 0.687 | 0.097 | 0.355 |
| 146 | IN | Gibson | 6113 | 5 | D061135 | 0.685 | 0.040 | 0.018 | 0.685 | 0.097 | 0.354 | | | | | | | | | | |
| 147 | PA | Sunbury | | 1A, 1B | D03152CS1 | 0.683 | 0.057 | 0.001 | 0.683 | 0.097 | 0.352 | 0.047 | 0.007 | 0.639 | 0.090 | 0.331 | 0.053 | 0.004 | 0.672 | 0.095 | 0.347 |
| 148 | IN | Gibson | 6113 | 4 | D061135 | 0.662 | 0.014 | 0.042 | 0.662 | 0.094 | 0.342 | | | | | | | | | | |
| 149 | MO | New Madrid Power Plant | | 2 | D021672 | 0.650 | 0.024 | 0.031 | 0.650 | 0.092 | 0.336 | | | | | | | | | | |
| 150 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.650 | 0.049 | 0.006 | 0.650 | 0.092 | 0.336 | 0.034 | 0.012 | 0.546 | 0.077 | 0.283 | 0.035 | 0.009 | 0.515 | 0.073 | 0.267 |
| 151 | NE | Nebraska City Station | | 1 | D060961 | 0.645 | 0.042 | 0.013 | 0.645 | 0.091 | 0.333 | | | | | | | | | | |
| 152 | TX | Martin Lake | 6146 | 2 | | 0.643 | 0.049 | 0.006 | 0.643 | 0.091 | 0.333 | 0.047 | 0.002 | 0.566 | 0.080 | 0.293 | 0.030 | 0.001 | 0.362 | 0.051 | 0.188 |
| 153 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 0.640 | 0.052 | 0.002 | 0.640 | 0.091 | 0.331 | | | | | | | | | | |
| 154 | VA | Chesapeake Energy Center | | 3 | D038033 | 0.622 | 0.031 | 0.014 | 0.532 | 0.075 | 0.276 | 0.029 | 0.010 | 0.459 | 0.065 | 0.239 | 0.042 | 0.010 | 0.622 | 0.088 | 0.322 |
| 155 | IN | Merom | | 2SG1 | D062132G1 | 0.619 | 0.050 | 0.003 | 0.619 | 0.088 | 0.320 | | | | | | | | | | |
| 156 | SC | H B Robinson | | 1 | D032511 | 0.600 | 0.045 | 0.006 | 0.600 | 0.085 | 0.311 | 0.016 | 0.005 | 0.253 | 0.036 | 0.132 | 0.024 | 0.010 | 0.395 | 0.056 | 0.205 |
| 157 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 0.600 | 0.047 | 0.004 | 0.600 | 0.085 | 0.310 | | | | | | | | | | |
| 158 | OK | Grand River Dam Authority | | 1 | D001651 | 0.599 | 0.038 | 0.013 | 0.599 | 0.085 | 0.310 | 0.029 | 0.010 | 0.453 | 0.064 | 0.235 | 0.031 | 0.003 | 0.397 | 0.056 | 0.207 |
| 159 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.598 | 0.043 | 0.008 | 0.598 | 0.085 | 0.310 | | | | | | | | | | |
| 160 | TX | Martin Lake | 6146 | 3 | | 0.597 | 0.045 | 0.006 | 0.597 | 0.085 | 0.309 | 0.043 | 0.002 | 0.520 | 0.074 | 0.270 | 0.027 | 0.001 | 0.333 | 0.047 | 0.173 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | OH | Cardinal | 2828 | 1 | D028281 | 0.592 | 0.046 | 0.004 | 0.592 | 0.084 | 0.306 | | | | | | | | | | |
| 162 | OH | Eastlake | 2837 | 1 | D028371 | 0.587 | 0.044 | 0.006 | 0.587 | 0.083 | 0.304 | | | | | | | | | | |
| 163 | MA | Brayton Point | 1619 | 4 | x07 | 0.587 | 0.030 | 0.014 | 0.522 | 0.074 | 0.271 | 0.029 | 0.020 | 0.587 | 0.083 | 0.304 | 0.028 | 0.020 | 0.568 | 0.080 | 0.294 |
| 164 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.586 | 0.013 | 0.007 | 0.229 | 0.032 | 0.119 | 0.014 | 0.018 | 0.388 | 0.055 | 0.202 | 0.019 | 0.031 | 0.586 | 0.083 | 0.303 |
| 165 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 0.584 | 0.013 | 0.036 | 0.584 | 0.083 | 0.302 | | | | | | | | | | |
| 166 | NC | L V Sutton | | 1, 2 | D02713C02 | 0.567 | 0.028 | 0.004 | 0.375 | 0.053 | 0.195 | 0.043 | 0.005 | 0.567 | 0.080 | 0.293 | 0.022 | 0.006 | 0.327 | 0.046 | 0.171 |
| 167 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 0.565 | 0.031 | 0.017 | 0.565 | 0.080 | 0.293 | | | | | | | | | | |
| 168 | MI | River Rouge | | 3 | D017403 | 0.563 | 0.037 | 0.011 | 0.563 | 0.080 | 0.291 | | | | | | | | | | |
| 169 | OH | Eastlake | 2837 | 2 | D028372 | 0.562 | 0.043 | 0.005 | 0.562 | 0.080 | 0.291 | | | | | | | | | | |
| 170 | IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 0.558 | 0.043 | 0.005 | 0.558 | 0.079 | 0.289 | | | | | | | | | | |
| 171 | KY | Mill Creek | 1364 | 4 | D013644 | 0.558 | 0.043 | 0.005 | 0.558 | 0.079 | 0.289 | 0.038 | 0.008 | 0.539 | 0.076 | 0.279 | 0.027 | 0.005 | 0.373 | 0.053 | 0.194 |
| 172 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 0.558 | 0.038 | 0.010 | 0.558 | 0.079 | 0.289 | 0.032 | 0.005 | 0.433 | 0.061 | 0.225 | 0.032 | 0.009 | 0.479 | 0.068 | 0.249 |
| 173 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.549 | 0.038 | 0.009 | 0.549 | 0.078 | 0.285 | 0.028 | 0.005 | 0.392 | 0.056 | 0.204 | 0.035 | 0.007 | 0.491 | 0.070 | 0.255 |
| 174 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 0.536 | 0.043 | 0.003 | 0.536 | 0.076 | 0.278 | 0.037 | 0.009 | 0.531 | 0.075 | 0.275 | 0.037 | 0.005 | 0.495 | 0.070 | 0.257 |
| 175 | MO | Rush Island | | 1 | D061551 | 0.528 | 0.041 | 0.004 | 0.528 | 0.075 | 0.274 | | | | | | | | | | |
| 176 | MO | Rush Island | | 2 | D061552 | 0.527 | 0.041 | 0.004 | 0.527 | 0.075 | 0.273 | | | | | | | | | | |
| 177 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 0.524 | 0.042 | 0.003 | 0.524 | 0.074 | 0.272 | 0.036 | 0.009 | 0.520 | 0.074 | 0.270 | 0.037 | 0.005 | 0.484 | 0.069 | 0.251 |
| 178 | TX | Monticello | 6147 | 1 | | 0.523 | 0.041 | 0.004 | 0.523 | 0.074 | 0.271 | 0.039 | 0.001 | 0.469 | 0.066 | 0.244 | 0.025 | 0.001 | 0.299 | 0.042 | 0.156 |
| 179 | IL | Newton | | 2 | D060172 | 0.523 | 0.041 | 0.004 | 0.523 | 0.074 | 0.271 | | | | | | | | | | |
| 180 | MA | Canal Station | 1599 | 2 | D015992 | 0.516 | 0.024 | 0.016 | 0.469 | 0.066 | 0.243 | 0.022 | 0.022 | 0.516 | 0.073 | 0.267 | 0.018 | 0.013 | 0.377 | 0.053 | 0.196 |
| 181 | NC | Cape Fear | 2708 | 6 | | 0.512 | 0.035 | 0.008 | 0.512 | 0.072 | 0.265 | 0.025 | 0.005 | 0.350 | 0.050 | 0.182 | 0.027 | 0.012 | 0.451 | 0.064 | 0.234 |
| 182 | AR | Independence | | 1 | D066411 | 0.510 | 0.028 | 0.015 | 0.510 | 0.072 | 0.264 | | | | | | | | | | |
| 183 | VA | Bremo Power Station | | 4 | D037964 | 0.501 | 0.033 | 0.004 | 0.430 | 0.061 | 0.223 | 0.024 | 0.007 | 0.367 | 0.052 | 0.191 | 0.036 | 0.007 | 0.501 | 0.071 | 0.260 |
| 184 | OK | Muskogee | 2952 | 4 | | 0.499 | 0.031 | 0.011 | 0.499 | 0.071 | 0.259 | | | | | | | | | | |
| 185 | AR | Independence | | 2 | D066412 | 0.492 | 0.028 | 0.014 | 0.492 | 0.070 | 0.255 | | | | | | | | | | |
| 186 | MN | Sherburne County | | 3 | D060903 | 0.490 | 0.027 | 0.014 | 0.490 | 0.069 | 0.254 | | | | | | | | | | |
| 187 | TX | Monticello | 6147 | 2 | | 0.490 | 0.039 | 0.003 | 0.490 | 0.069 | 0.254 | | | | | | | | | | |
| 188 | OH | Eastlake | 2837 | 3 | D028373 | 0.488 | 0.037 | 0.005 | 0.488 | 0.069 | 0.253 | | | | | | | | | | |
| 189 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.484 | 0.036 | 0.005 | 0.484 | 0.069 | 0.251 | | | | | | | | | | |
| 190 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 0.473 | 0.032 | 0.009 | 0.473 | 0.067 | 0.246 | | | | | | | | | | |
| 191 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 0.473 | 0.036 | 0.004 | 0.473 | 0.067 | 0.246 | | | | | | | | | | |
| 192 | TX | Monticello | 6147 | 3 | | 0.470 | 0.034 | 0.006 | 0.470 | 0.067 | 0.244 | | | | | | | | | | |
| 193 | KY | D B Wilson | | W1 | D06823W1 | 0.459 | 0.036 | 0.003 | 0.459 | 0.065 | 0.238 | | | | | | | | | | |
| 194 | OK | Muskogee | | 5 | D029525 | 0.458 | 0.029 | 0.010 | 0.458 | 0.065 | 0.238 | | | | | | | | | | |
| 195 | TX | Limestone | 298 | LIM2 | | 0.457 | 0.029 | 0.010 | 0.457 | 0.065 | 0.237 | | | | | | | | | | |
| 196 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 0.454 | 0.024 | 0.015 | 0.454 | 0.064 | 0.236 | | | | | | | | | | |
| 197 | KY | Green River | | 5 | D013575 | 0.450 | 0.036 | 0.002 | 0.450 | 0.064 | 0.234 | | | | | | | | | | |
| 198 | MI | Monroe | 1733 | 3,4 | D01733C34 | 0.450 | 0.020 | 0.018 | 0.450 | 0.064 | 0.234 | | | | | | | | | | |
| 199 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.448 | 0.032 | 0.006 | 0.448 | 0.064 | 0.233 | | | | | | | | | | |
| 200 | KS | Nearman Creek | 6064 | N1 | | 0.446 | 0.023 | 0.015 | 0.446 | 0.063 | 0.232 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | OH | Cardinal | 2828 | 2 | D028282 | 0.446 | 0.033 | 0.005 | 0.446 | 0.063 | 0.232 | | | | | | | | | | |
| 202 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.445 | 0.017 | 0.020 | 0.445 | 0.063 | 0.231 | 0.016 | 0.014 | 0.358 | 0.051 | 0.186 | | | | | |
| 203 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.429 | 0.036 | 0.001 | 0.429 | 0.061 | 0.223 | | | | | | | | | | |
| 204 | OK | Hugo | | 1 | D067721 | 0.426 | 0.033 | 0.003 | 0.426 | 0.060 | 0.221 | | | | | | | | | | |
| 205 | TX | Limestone | 298 | LIM1 | | 0.424 | 0.027 | 0.009 | 0.424 | 0.060 | 0.221 | | | | | | | | | | |
| 206 | OK | Sooner | 6095 | 1 | | 0.423 | 0.025 | 0.011 | 0.423 | 0.060 | 0.220 | | | | | | | | | | |
| 207 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 0.423 | 0.027 | 0.009 | 0.423 | 0.060 | 0.220 | | | | | | | | | | |
| 208 | OK | Sooner | | 2 | D060952 | 0.417 | 0.024 | 0.011 | 0.417 | 0.059 | 0.217 | | | | | | | | | | |
| 209 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 0.417 | 0.032 | 0.004 | 0.417 | 0.059 | 0.217 | | | | | | | | | | |
| 210 | MO | Labadie | | 3 | D021033 | 0.409 | 0.029 | 0.006 | 0.409 | 0.058 | 0.213 | | | | | | | | | | |
| 211 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 0.408 | 0.022 | 0.013 | 0.408 | 0.058 | 0.212 | | | | | | | | | | |
| 212 | WV | Longview Power | 56671 | 1 | | 0.405 | 0.031 | 0.004 | 0.405 | 0.057 | 0.211 | | | | | | | | | | |
| 213 | NC | Riverbend | 2732 | 9 | | 0.397 | 0.033 | 0.001 | 0.397 | 0.056 | 0.207 | | | | | | | | | | |
| 214 | VA | Chesapeake Energy Center | | 2 | D038032 | 0.390 | 0.020 | 0.008 | 0.333 | 0.047 | 0.174 | 0.020 | 0.007 | 0.313 | 0.044 | 0.163 | 0.027 | 0.006 | 0.390 | 0.055 | 0.203 |
| 215 | MO | Labadie | | 1 | D021031 | 0.389 | 0.027 | 0.006 | 0.389 | 0.055 | 0.202 | | | | | | | | | | |
| 216 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.386 | 0.026 | 0.007 | 0.386 | 0.055 | 0.201 | | | | | | | | | | |
| 217 | KY | Green River | | 4 | D013574 | 0.383 | 0.030 | 0.002 | 0.383 | 0.054 | 0.199 | | | | | | | | | | |
| 218 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 0.380 | 0.021 | 0.011 | 0.380 | 0.054 | 0.198 | | | | | | | | | | |
| 219 | IA | Louisa | | 101 | D06664101 | 0.373 | 0.020 | 0.012 | 0.373 | 0.053 | 0.194 | | | | | | | | | | |
| 220 | WV | John E Amos | 3935 | 3 | D039353 | 0.372 | 0.017 | 0.015 | 0.372 | 0.053 | 0.194 | | | | | | | | | | |
| 221 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.354 | 0.010 | 0.020 | 0.354 | 0.050 | 0.184 | | | | | | | | | | |
| 222 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 0.353 | 0.011 | 0.019 | 0.353 | 0.050 | 0.184 | | | | | | | | | | |
| 223 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 0.350 | 0.026 | 0.004 | 0.350 | 0.050 | 0.182 | | | | | | | | | | |
| 224 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 0.350 | 0.025 | 0.005 | 0.350 | 0.050 | 0.182 | | | | | | | | | | |
| 225 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.347 | 0.022 | 0.007 | 0.347 | 0.049 | 0.181 | 0.009 | 0.007 | 0.181 | 0.026 | 0.095 | 0.016 | 0.012 | 0.322 | 0.046 | 0.168 |
| 226 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 0.346 | 0.026 | 0.004 | 0.346 | 0.049 | 0.180 | | | | | | | | | | |
| 227 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.342 | 0.020 | 0.009 | 0.342 | 0.048 | 0.178 | 0.008 | 0.008 | 0.191 | 0.027 | 0.100 | 0.014 | 0.015 | 0.339 | 0.048 | 0.177 |
| 228 | PA | Shawville | 3131 | 1 | D031311 | 0.338 | 0.026 | 0.003 | 0.338 | 0.048 | 0.176 | | | | | | | | | | |
| 229 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 0.338 | 0.019 | 0.010 | 0.338 | 0.048 | 0.176 | | | | | | | | | | |
| 230 | PA | Shawville | 3131 | 2 | D031312 | 0.333 | 0.025 | 0.003 | 0.333 | 0.047 | 0.173 | | | | | | | | | | |
| 231 | OH | W H Sammis | 2866 | 7 | D028667 | 0.330 | 0.014 | 0.014 | 0.330 | 0.047 | 0.172 | | | | | | | | | | |
| 232 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 0.328 | 0.021 | 0.007 | 0.328 | 0.047 | 0.171 | | | | | | | | | | |
| 233 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.327 | 0.018 | 0.010 | 0.327 | 0.046 | 0.170 | | | | | | | | | | |
| 234 | ME | William F Wyman | 1507 | 3 | | 0.325 | 0.017 | 0.011 | 0.325 | 0.046 | 0.169 | | | | | | | | | | |
| 235 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.325 | 0.020 | 0.007 | 0.325 | 0.046 | 0.169 | | | | | | | | | | |
| 236 | CT | Middletown | 562 | 4 | | 0.324 | 0.008 | 0.020 | 0.324 | 0.046 | 0.169 | | | | | | | | | | |
| 237 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.315 | 0.016 | 0.010 | 0.315 | 0.045 | 0.164 | | | | | | | | | | |
| 238 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.314 | 0.022 | 0.005 | 0.314 | 0.045 | 0.164 | | | | | | | | | | |
| 239 | OH | Conesville | 2840 | 4 | D028504 | 0.310 | 0.022 | 0.005 | 0.310 | 0.044 | 0.162 | | | | | | | | | | |
| 240 | OH | W H Sammis | 2866 | 6 | D02866M6A | 0.308 | 0.014 | 0.012 | 0.308 | 0.044 | 0.161 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | WI | Nelson Dewey | 4054 | 2 | | 0.308 | 0.022 | 0.004 | 0.308 | 0.044 | 0.161 | | | | | | | | | | |
| 242 | WI | Edgewater (4050) | 4050 | 5 | | 0.308 | 0.020 | 0.006 | 0.308 | 0.044 | 0.161 | | | | | | | | | | |
| 243 | VA | Chesapeake Energy Center | | 1 | D038031 | 0.308 | 0.014 | 0.009 | 0.277 | 0.039 | 0.144 | 0.014 | 0.007 | 0.253 | 0.036 | 0.132 | 0.019 | 0.007 | 0.308 | 0.044 | 0.161 |
| 244 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.305 | 0.022 | 0.004 | 0.305 | 0.043 | 0.159 | | | | | | | | | | |
| 245 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.303 | 0.020 | 0.006 | 0.303 | 0.043 | 0.158 | | | | | | | | | | |
| 246 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.302 | 0.022 | 0.004 | 0.302 | 0.043 | 0.158 | | | | | | | | | | |
| 247 | NC | Roxboro | 2712 | 2 | D027122 | 0.302 | 0.020 | 0.006 | 0.302 | 0.043 | 0.158 | | | | | | | | | | |
| 248 | IN | Cayuga | 1001 | 2 | D010012 | 0.300 | 0.014 | 0.011 | 0.300 | 0.043 | 0.156 | | | | | | | | | | |
| 249 | OH | Miami Fort Power Station | | 8 | D028328 | 0.297 | 0.018 | 0.007 | 0.297 | 0.042 | 0.155 | | | | | | | | | | |
| 250 | KS | La Cygne | 1241 | 1 | | 0.297 | 0.020 | 0.005 | 0.297 | 0.042 | 0.155 | 0.019 | 0.003 | 0.251 | 0.036 | 0.131 | 0.018 | 0.006 | 0.280 | 0.040 | 0.146 |
| 251 | SC | McMeekin | | MCM2 | D03287MM2 | 0.292 | 0.024 | 0.001 | 0.292 | 0.041 | 0.152 | | | | | | | | | | |
| 252 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 0.291 | 0.009 | 0.015 | 0.291 | 0.041 | 0.152 | | | | | | | | | | |
| 253 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 0.291 | 0.016 | 0.009 | 0.291 | 0.041 | 0.152 | | | | | | | | | | |
| 254 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 0.286 | 0.009 | 0.015 | 0.286 | 0.041 | 0.149 | | | | | | | | | | |
| 255 | SC | McMeekin | | MCM1 | D03287MM1 | 0.279 | 0.023 | 0.001 | 0.279 | 0.040 | 0.146 | | | | | | | | | | |
| 256 | CT | New Haven Harbor | 6156 | NHB1 | | 0.277 | 0.008 | 0.016 | 0.277 | 0.039 | 0.144 | | | | | | | | | | |
| 257 | IA | George Neal North | | 3 | D010913 | 0.269 | 0.015 | 0.008 | 0.269 | 0.038 | 0.140 | | | | | | | | | | |
| 258 | IN | Cayuga | 1001 | 1 | D010011 | 0.268 | 0.012 | 0.011 | 0.268 | 0.038 | 0.140 | | | | | | | | | | |
| 259 | TX | Welsh Power Plant | 6139 | 3 | | 0.258 | 0.016 | 0.006 | 0.258 | 0.037 | 0.135 | | | | | | | | | | |
| 260 | IL | Joliet 29 | | 81, 82 | D00384C82 | 0.258 | 0.018 | 0.004 | 0.258 | 0.037 | 0.135 | | | | | | | | | | |
| 261 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.255 | 0.017 | 0.005 | 0.255 | 0.036 | 0.133 | | | | | | | | | | |
| 262 | NC | Marshall | 2727 | 1,2 | x11 | 0.252 | 0.014 | 0.007 | 0.252 | 0.036 | 0.132 | | | | | | | | | | |
| 263 | IL | Marion | | 4 | D009764 | 0.251 | 0.017 | 0.005 | 0.251 | 0.036 | 0.131 | | | | | | | | | | |
| 264 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.244 | 0.017 | 0.003 | 0.244 | 0.035 | 0.128 | | | | | | | | | | |
| 265 | TX | Welsh Power Plant | 6139 | 1 | | 0.243 | 0.016 | 0.005 | 0.243 | 0.035 | 0.127 | | | | | | | | | | |
| 266 | TX | Welsh Power Plant | 6139 | 2 | | 0.240 | 0.016 | 0.004 | 0.240 | 0.034 | 0.126 | | | | | | | | | | |
| 267 | NC | Marshall | 2727 | 4 | D027274 | 0.224 | 0.011 | 0.008 | 0.224 | 0.032 | 0.117 | | | | | | | | | | |
| 268 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 0.220 | 0.008 | 0.011 | 0.220 | 0.031 | 0.115 | | | | | | | | | | |
| 269 | TN | Cumberland | 3399 | 1 | | 0.219 | 0.013 | 0.005 | 0.219 | 0.031 | 0.114 | | | | | | | | | | |
| 270 | AL | Greene County | 10 | 1 | | 0.219 | 0.018 | 0.001 | 0.219 | 0.031 | 0.114 | | | | | | | | | | |
| 271 | GA | Yates | | Y5BR | D00728Y5R | 0.218 | 0.017 | 0.001 | 0.218 | 0.031 | 0.114 | | | | | | | | | | |
| 272 | NY | Northport | 2516 | 3 | D025163 | 0.214 | 0.010 | 0.008 | 0.214 | 0.030 | 0.112 | | | | | | | | | | |
| 273 | GA | Bowen | 703 | 1BLR | D007031LR | 0.210 | 0.008 | 0.010 | 0.210 | 0.030 | 0.110 | | | | | | | | | | |
| 274 | OH | J M Stuart | 2850 | 3 | D028503 | 0.206 | 0.012 | 0.006 | 0.206 | 0.029 | 0.108 | | | | | | | | | | |
| 275 | NC | Roxboro | 2712 | 1 | D027121 | 0.206 | 0.012 | 0.005 | 0.206 | 0.029 | 0.108 | | | | | | | | | | |
| 276 | ME | William F Wyman | 1507 | 1 | | 0.205 | 0.008 | 0.009 | 0.205 | 0.029 | 0.107 | | | | | | | | | | |
| 277 | OH | W H Sammis | 2866 | 5 | D028665 | 0.203 | 0.006 | 0.011 | 0.203 | 0.029 | 0.106 | | | | | | | | | | |
| 278 | ME | William F Wyman | 1507 | 2 | | 0.201 | 0.008 | 0.009 | 0.201 | 0.029 | 0.105 | | | | | | | | | | |
| 279 | KY | Ghent | 1356 | 1,2 ... (1,4) | D01356C01 | 0.199 | 0.012 | 0.005 | 0.199 | 0.028 | 0.104 | | | | | | | | | | |
| 280 | IL | Wood River Power Station | | 5 | D008985 | 0.198 | 0.013 | 0.004 | 0.198 | 0.028 | 0.104 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | GA | Bowen | 703 | 4BLR | D007034LR | 0.194 | 0.004 | 0.012 | 0.194 | 0.027 | 0.101 | | | | | | | | | | |
| 282 | MO | Sikeston | | 1 | D067681 | 0.193 | 0.012 | 0.005 | 0.193 | 0.027 | 0.101 | | | | | | | | | | |
| 283 | MO | Meramec | | 3 | D021043 | 0.190 | 0.012 | 0.004 | 0.190 | 0.027 | 0.099 | | | | | | | | | | |
| 284 | MD | Morgantown | 1573 | 2 | D015732 | 0.189 | 0.014 | 0.002 | 0.189 | 0.027 | 0.099 | | | | | | | | | | |
| 285 | OH | J M Stuart | 2850 | 1 | D028501 | 0.185 | 0.011 | 0.004 | 0.185 | 0.026 | 0.097 | | | | | | | | | | |
| 286 | WI | Genoa | 4143 | 1 | | 0.181 | 0.012 | 0.003 | 0.181 | 0.026 | 0.095 | | | | | | | | | | |
| 287 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 0.177 | 0.010 | 0.005 | 0.177 | 0.025 | 0.093 | | | | | | | | | | |
| 288 | KY | East Bend | 6018 | 2 | D060182 | 0.175 | 0.010 | 0.005 | 0.175 | 0.025 | 0.091 | | | | | | | | | | |
| 289 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.169 | 0.011 | 0.004 | 0.169 | 0.024 | 0.089 | | | | | | | | | | |
| 290 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.168 | 0.012 | 0.002 | 0.168 | 0.024 | 0.088 | | | | | | | | | | |
| 291 | GA | Bowen | 703 | 2BLR | D007032LR | 0.165 | 0.004 | 0.010 | 0.165 | 0.023 | 0.086 | | | | | | | | | | |
| 292 | NC | Belews Creek | 8042 | 2 | D080422 | 0.161 | 0.010 | 0.003 | 0.161 | 0.023 | 0.084 | | | | | | | | | | |
| 293 | NC | Marshall | 2727 | 3 | D027273 | 0.160 | 0.012 | 0.002 | 0.160 | 0.023 | 0.084 | | | | | | | | | | |
| 294 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.159 | 0.007 | 0.007 | 0.159 | 0.023 | 0.083 | | | | | | | | | | |
| 295 | AL | E C Gaston | 26 | 5 | | 0.159 | 0.007 | 0.006 | 0.159 | 0.023 | 0.083 | | | | | | | | | | |
| 296 | NC | Belews Creek | 8042 | 1 | D080421 | 0.158 | 0.010 | 0.003 | 0.158 | 0.022 | 0.083 | | | | | | | | | | |
| 297 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.153 | 0.008 | 0.005 | 0.153 | 0.022 | 0.080 | | | | | | | | | | |
| 298 | OH | J M Stuart | 2850 | 2 | D028502 | 0.146 | 0.007 | 0.006 | 0.146 | 0.021 | 0.077 | | | | | | | | | | |
| 299 | KS | Quindaro | 1295 | 2 | | 0.124 | 0.007 | 0.004 | 0.124 | 0.018 | 0.065 | | | | | | | | | | |
| 300 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.112 | 0.003 | 0.006 | 0.112 | 0.016 | 0.059 | | | | | | | | | | |
| 301 | NC | Cliffside | 2721 | 5 | D027215 | 0.110 | 0.008 | 0.002 | 0.110 | 0.016 | 0.057 | | | | | | | | | | |
| 302 | GA | Bowen | 703 | 3BLR | D007033LR | 0.106 | 0.004 | 0.005 | 0.106 | 0.015 | 0.055 | | | | | | | | | | |
| 303 | DE | Edge Moor | 593 | 5 | D005935 | 0.102 | 0.007 | 0.001 | 0.102 | 0.014 | 0.053 | | | | | | | | | | |
| 304 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.100 | 0.006 | 0.003 | 0.100 | 0.014 | 0.053 | | | | | | | | | | |
| 305 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.085 | 0.004 | 0.003 | 0.085 | 0.012 | 0.044 | | | | | | | | | | |
| 306 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.076 | 0.003 | 0.003 | 0.076 | 0.011 | 0.040 | | | | | | | | | | |
| 307 | SC | Winyah | 6249 | 1 | D062491 | 0.046 | 0.002 | 0.002 | 0.046 | 0.007 | 0.024 | | | | | | | | | | |
| 308 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.015 | 0.001 | 0.000 | 0.015 | 0.002 | 0.008 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## F.14 2015 EGU Ranking Visibility Impairing Sources to Presidential Range/Dry River

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 9.197 | 0.407 | 0.030 | 5.016 | 0.709 | 2.403 | 0.642 | 0.132 | 9.197 | 1.232 | 3.953 | 0.505 | 0.110 | 7.310 | 0.989 | 3.252 |
| 2 | PA | Homer City | 3122 | 1 | D031221 | 7.372 | 0.494 | 0.038 | 6.327 | 0.859 | 2.864 | 0.379 | 0.103 | 5.267 | 0.781 | 2.626 | 0.574 | 0.047 | 7.372 | 0.997 | 3.275 |
| 3 | PA | Homer City | 3122 | 2 | D031222 | 6.500 | 0.436 | 0.034 | 5.573 | 0.761 | 2.564 | 0.334 | 0.092 | 4.728 | 0.694 | 2.355 | 0.506 | 0.042 | 6.500 | 0.884 | 2.939 |
| 4 | ME | William F Wyman | 1507 | 4 | D015074 | 4.207 | 0.155 | 0.188 | 3.868 | 0.563 | 1.941 | 0.168 | 0.205 | 4.207 | 0.612 | 2.096 | 0.175 | 0.105 | 3.311 | 0.460 | 1.605 |
| 5 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 3.694 | 0.156 | 0.045 | 2.380 | 0.332 | 1.177 | 0.097 | 0.029 | 1.482 | 0.208 | 0.748 | 0.245 | 0.068 | 3.694 | 0.512 | 1.774 |
| 6 | OH | Muskingum River | 2872 | 5 | D028725 | 3.596 | 0.302 | 0.005 | 3.596 | 0.501 | 1.740 | 0.287 | 0.014 | 3.566 | 0.492 | 1.710 | 0.196 | 0.006 | 2.378 | 0.332 | 1.178 |
| 7 | NH | Merrimack | 2364 | 2 | D023642 | 3.150 | 0.030 | 0.073 | 1.968 | 0.173 | 0.626 | 0.043 | 0.185 | 3.150 | 0.380 | 1.338 | 0.036 | 0.198 | 2.795 | 0.390 | 1.371 |
| 8 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 3.099 | 0.176 | 0.020 | 2.270 | 0.322 | 1.143 | 0.208 | 0.054 | 3.099 | 0.430 | 1.506 | 0.121 | 0.029 | 1.767 | 0.248 | 0.888 |
| 9 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 2.977 | 0.125 | 0.041 | 1.988 | 0.274 | 0.977 | 0.144 | 0.113 | 2.977 | 0.424 | 1.487 | 0.080 | 0.039 | 1.403 | 0.198 | 0.712 |
| 10 | WV | Harrison Power Station | | 1 (25%), 2 (20% | D03944C01 | 2.951 | 0.045 | 0.050 | 1.118 | 0.157 | 0.570 | 0.048 | 0.200 | 2.951 | 0.413 | 1.448 | 0.044 | 0.065 | 1.289 | 0.182 | 0.656 |
| 11 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 2.828 | 0.232 | 0.011 | 2.828 | 0.399 | 1.403 | 0.061 | 0.015 | 0.899 | 0.125 | 0.456 | 0.119 | 0.017 | 1.605 | 0.226 | 0.810 |
| 12 | NH | Newington | 8002 | 1 | D080021 | 2.656 | 0.048 | 0.126 | 2.008 | 0.290 | 1.034 | 0.085 | 0.091 | 2.651 | 0.292 | 1.040 | 0.066 | 0.157 | 2.656 | 0.371 | 1.307 |
| 13 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 2.613 | 0.167 | 0.009 | 2.062 | 0.289 | 1.030 | 0.160 | 0.013 | 2.046 | 0.286 | 1.018 | 0.211 | 0.011 | 2.613 | 0.365 | 1.287 |
| 14 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 2.354 | 0.123 | 0.032 | 1.980 | 0.255 | 0.912 | 0.127 | 0.073 | 2.354 | 0.331 | 1.173 | 0.064 | 0.035 | 1.169 | 0.165 | 0.596 |
| 15 | OH | Killen Station | 6031 | 2 | D060312 | 2.299 | 0.057 | 0.030 | 1.105 | 0.146 | 0.530 | 0.082 | 0.126 | 2.299 | 0.346 | 1.223 | 0.048 | 0.043 | 1.078 | 0.152 | 0.551 |
| 16 | PA | Keystone | 3136 | 1 | D031361 | 2.288 | 0.137 | 0.032 | 2.011 | 0.278 | 0.991 | 0.097 | 0.104 | 2.154 | 0.332 | 1.177 | 0.149 | 0.045 | 2.288 | 0.320 | 1.136 |
| 17 | PA | Keystone | 3136 | 2 | D031362 | 2.203 | 0.131 | 0.031 | 1.936 | 0.267 | 0.955 | 0.092 | 0.102 | 2.071 | 0.322 | 1.144 | 0.143 | 0.044 | 2.203 | 0.308 | 1.096 |
| 18 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.165 | 0.101 | 0.013 | 1.335 | 0.189 | 0.681 | 0.155 | 0.029 | 2.165 | 0.303 | 1.079 | 0.108 | 0.023 | 1.541 | 0.217 | 0.779 |
| 19 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 2.165 | 0.115 | 0.028 | 1.818 | 0.237 | 0.848 | 0.119 | 0.065 | 2.165 | 0.305 | 1.083 | 0.060 | 0.031 | 1.075 | 0.152 | 0.549 |
| 20 | MI | St. Clair | 1743 | 6 | D017436 | 2.085 | 0.070 | 0.004 | 0.854 | 0.123 | 0.446 | 0.170 | 0.011 | 2.085 | 0.297 | 1.058 | 0.121 | 0.014 | 1.589 | 0.223 | 0.802 |
| 21 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 2.031 | 0.078 | 0.024 | 1.268 | 0.170 | 0.614 | 0.077 | 0.103 | 2.031 | 0.299 | 1.063 | 0.064 | 0.045 | 1.291 | 0.182 | 0.656 |
| 22 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 1.986 | 0.033 | 0.010 | 0.546 | 0.072 | 0.264 | 0.099 | 0.065 | 1.986 | 0.272 | 0.971 | 0.072 | 0.064 | 1.617 | 0.227 | 0.816 |
| 23 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 1.947 | 0.154 | 0.010 | 1.947 | 0.271 | 0.968 | 0.116 | 0.035 | 1.749 | 0.250 | 0.894 | 0.131 | 0.017 | 1.735 | 0.244 | 0.873 |
| 24 | MI | St. Clair | 1743 | 7 | D017437 | 1.830 | 0.065 | 0.007 | 0.864 | 0.119 | 0.433 | 0.134 | 0.018 | 1.830 | 0.251 | 0.900 | 0.102 | 0.022 | 1.458 | 0.205 | 0.738 |
| 25 | MA | Brayton Point | 1619 | 4 | x07 | 1.809 | 0.092 | 0.044 | 1.611 | 0.225 | 0.809 | 0.089 | 0.064 | 1.809 | 0.254 | 0.908 | 0.084 | 0.064 | 1.751 | 0.246 | 0.881 |
| 26 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 1.799 | 0.141 | 0.011 | 1.799 | 0.249 | 0.892 | 0.124 | 0.028 | 1.758 | 0.251 | 0.897 | 0.094 | 0.012 | 1.242 | 0.175 | 0.632 |
| 27 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 1.728 | 0.067 | 0.013 | 0.817 | 0.133 | 0.484 | 0.093 | 0.031 | 1.370 | 0.206 | 0.740 | 0.097 | 0.049 | 1.728 | 0.243 | 0.869 |
| 28 | PA | Homer City | | 3 | D031223 | 1.724 | 0.060 | 0.039 | 1.204 | 0.164 | 0.593 | 0.042 | 0.124 | 1.724 | 0.277 | 0.987 | 0.062 | 0.055 | 1.395 | 0.196 | 0.708 |
| 29 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.659 | 0.024 | 0.011 | 0.416 | 0.060 | 0.219 | 0.051 | 0.020 | 0.836 | 0.119 | 0.432 | 0.105 | 0.036 | 1.659 | 0.233 | 0.836 |
| 30 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 1.644 | 0.115 | 0.011 | 1.466 | 0.208 | 0.748 | 0.099 | 0.036 | 1.644 | 0.225 | 0.807 | 0.095 | 0.014 | 1.277 | 0.180 | 0.650 |
| 31 | MI | Belle River | | 2 | D060342 | 1.581 | 0.058 | 0.020 | 0.931 | 0.129 | 0.469 | 0.087 | 0.046 | 1.581 | 0.220 | 0.791 | 0.067 | 0.056 | 1.456 | 0.205 | 0.738 |
| 32 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 1.555 | 0.086 | 0.022 | 1.274 | 0.179 | 0.646 | 0.051 | 0.013 | 0.755 | 0.107 | 0.388 | 0.108 | 0.024 | 1.555 | 0.219 | 0.786 |
| 33 | MI | Belle River | | 1 | D060341 | 1.483 | 0.052 | 0.020 | 0.872 | 0.118 | 0.431 | 0.077 | 0.046 | 1.483 | 0.204 | 0.735 | 0.059 | 0.056 | 1.368 | 0.193 | 0.694 |
| 34 | PA | Montour | 3149 | 1 | D031491 | 1.472 | 0.067 | 0.030 | 1.157 | 0.160 | 0.580 | 0.052 | 0.076 | 1.472 | 0.213 | 0.764 | 0.058 | 0.043 | 1.191 | 0.168 | 0.607 |
| 35 | IN | Tanners Creek | 988 | U4 | D00988U4 | 1.468 | 0.116 | 0.008 | 1.468 | 0.205 | 0.738 | 0.081 | 0.016 | 1.134 | 0.161 | 0.581 | 0.083 | 0.012 | 1.106 | 0.156 | 0.565 |
| 36 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 1.403 | 0.042 | 0.016 | 0.724 | 0.097 | 0.356 | 0.074 | 0.040 | 1.403 | 0.191 | 0.688 | 0.043 | 0.045 | 1.038 | 0.146 | 0.531 |
| 37 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 1.386 | 0.052 | 0.029 | 1.187 | 0.136 | 0.493 | 0.053 | 0.059 | 1.386 | 0.188 | 0.677 | 0.034 | 0.042 | 0.897 | 0.127 | 0.461 |
| 38 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 1.382 | 0.037 | 0.022 | 0.719 | 0.098 | 0.359 | 0.046 | 0.077 | 1.382 | 0.205 | 0.739 | 0.030 | 0.026 | 0.654 | 0.093 | 0.338 |
| 39 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 1.321 | 0.064 | 0.017 | 0.962 | 0.135 | 0.492 | 0.073 | 0.040 | 1.321 | 0.187 | 0.676 | 0.061 | 0.021 | 0.967 | 0.137 | 0.496 |
| 40 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 1.311 | 0.061 | 0.030 | 1.072 | 0.152 | 0.551 | 0.050 | 0.060 | 1.311 | 0.184 | 0.664 | 0.054 | 0.047 | 1.188 | 0.167 | 0.606 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | PA | Montour | 3149 | 2 | D031492 | 1.294 | 0.055 | 0.029 | 1.050 | 0.140 | 0.510 | 0.042 | 0.075 | 1.294 | 0.197 | 0.709 | 0.047 | 0.043 | 1.066 | 0.150 | 0.545 |
| 42 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.284 | 0.053 | 0.003 | 0.637 | 0.093 | 0.340 | 0.105 | 0.008 | 1.284 | 0.186 | 0.670 | 0.074 | 0.011 | 1.009 | 0.142 | 0.517 |
| 43 | NH | Merrimack | 2364 | 1 | D023641 | 1.271 | 0.011 | 0.030 | 0.806 | 0.069 | 0.252 | 0.015 | 0.075 | **1.271** | 0.152 | 0.552 | 0.012 | 0.082 | **1.126** | 0.159 | 0.575 |
| 44 | PA | Brunner Island | 3140 | 3 | D031403 | 1.231 | 0.056 | 0.022 | 0.948 | 0.130 | 0.473 | 0.044 | 0.057 | **1.184** | 0.168 | 0.607 | 0.050 | 0.054 | **1.231** | 0.173 | 0.627 |
| 45 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.206 | 0.028 | 0.004 | 0.365 | 0.053 | 0.194 | 0.077 | 0.007 | 0.912 | 0.139 | 0.505 | 0.087 | 0.015 | **1.206** | 0.170 | 0.615 |
| 46 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.120 | 0.042 | 0.005 | 0.517 | 0.077 | 0.283 | 0.103 | 0.006 | **1.120** | 0.182 | 0.656 | 0.073 | 0.011 | 0.982 | 0.139 | 0.503 |
| 47 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.051 | 0.001 | 0.024 | 0.331 | 0.042 | 0.155 | 0.001 | 0.093 | **1.051** | 0.159 | 0.575 | 0.001 | 0.057 | 0.697 | 0.099 | 0.360 |
| 48 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 1.037 | 0.069 | 0.002 | 0.825 | 0.117 | 0.425 | 0.052 | 0.002 | 0.641 | 0.090 | 0.330 | 0.086 | 0.002 | **1.037** | 0.146 | 0.531 |
| 49 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.030 | 0.028 | 0.016 | 0.499 | 0.073 | 0.267 | 0.040 | 0.037 | **1.030** | 0.130 | 0.471 | 0.018 | 0.011 | 0.352 | 0.050 | 0.183 |
| 50 | MA | Canal Station | 1599 | 1 | D015991 | 1.024 | 0.050 | 0.023 | 0.850 | 0.121 | 0.442 | 0.058 | 0.031 | **1.024** | 0.148 | 0.535 | 0.038 | 0.014 | 0.613 | 0.087 | 0.317 |
| 51 | OH | Conesville | 2840 | 5,6 | D02840C06 | 1.022 | 0.042 | 0.018 | 0.610 | 0.101 | 0.367 | 0.039 | 0.047 | **1.022** | 0.144 | 0.522 | 0.022 | 0.026 | 0.562 | 0.080 | 0.291 |
| 52 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 0.997 | 0.042 | 0.009 | 0.594 | 0.084 | 0.309 | 0.047 | 0.036 | 0.997 | 0.138 | 0.500 | 0.047 | 0.014 | 0.713 | 0.101 | 0.368 |
| 53 | GA | Yates | | Y6BR | D00728Y6R | 0.986 | 0.072 | 0.004 | 0.888 | 0.125 | 0.453 | 0.038 | 0.005 | 0.498 | 0.071 | 0.260 | 0.077 | 0.007 | 0.986 | 0.139 | 0.505 |
| 54 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 0.974 | 0.069 | 0.013 | 0.940 | 0.136 | 0.494 | 0.063 | 0.020 | 0.974 | 0.138 | 0.500 | 0.041 | 0.013 | 0.645 | 0.091 | 0.333 |
| 55 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 0.973 | 0.061 | 0.001 | 0.701 | 0.103 | 0.374 | 0.064 | 0.005 | 0.973 | 0.115 | 0.419 | 0.060 | 0.002 | 0.722 | 0.102 | 0.373 |
| 56 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 0.971 | 0.081 | 0.002 | 0.971 | 0.137 | 0.497 | 0.053 | 0.003 | 0.648 | 0.092 | 0.335 | 0.068 | 0.004 | 0.844 | 0.119 | 0.434 |
| 57 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 0.940 | 0.063 | 0.001 | 0.750 | 0.106 | 0.387 | 0.048 | 0.002 | 0.582 | 0.082 | 0.300 | 0.078 | 0.002 | 0.940 | 0.133 | 0.482 |
| 58 | MA | Canal Station | 1599 | 2 | D015992 | 0.937 | 0.039 | 0.033 | 0.852 | 0.120 | 0.437 | 0.036 | 0.044 | 0.937 | 0.134 | 0.488 | 0.031 | 0.027 | 0.684 | 0.097 | 0.353 |
| 59 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 0.892 | 0.075 | 0.003 | 0.892 | 0.129 | 0.471 | 0.029 | 0.006 | 0.408 | 0.057 | 0.208 | 0.039 | 0.005 | 0.510 | 0.072 | 0.265 |
| 60 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.848 | 0.029 | 0.008 | 0.433 | 0.061 | 0.225 | 0.062 | 0.011 | 0.848 | 0.121 | 0.440 | 0.055 | 0.016 | 0.839 | 0.119 | 0.432 |
| 61 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.847 | 0.022 | 0.023 | 0.532 | 0.077 | 0.281 | 0.016 | 0.022 | 0.451 | 0.064 | 0.234 | 0.031 | 0.040 | 0.847 | 0.120 | 0.435 |
| 62 | NH | Schiller | 2367 | 4 | | 0.837 | 0.024 | 0.010 | 0.408 | 0.057 | 0.210 | 0.039 | 0.032 | 0.837 | 0.119 | 0.432 | 0.029 | 0.020 | 0.582 | 0.082 | 0.302 |
| 63 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 0.827 | 0.020 | 0.016 | 0.489 | 0.061 | 0.224 | 0.027 | 0.044 | 0.827 | 0.119 | 0.432 | 0.014 | 0.021 | 0.414 | 0.059 | 0.215 |
| 64 | MD | C P Crane | 1552 | 2 | D015522 | 0.811 | 0.025 | 0.009 | 0.439 | 0.057 | 0.210 | 0.035 | 0.047 | 0.811 | 0.136 | 0.494 | 0.034 | 0.021 | 0.653 | 0.092 | 0.337 |
| 65 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 0.808 | 0.032 | 0.011 | 0.525 | 0.071 | 0.260 | 0.032 | 0.044 | 0.808 | 0.128 | 0.464 | 0.027 | 0.015 | 0.486 | 0.069 | 0.252 |
| 66 | NH | Schiller | 2367 | 6 | | 0.794 | 0.025 | 0.009 | 0.386 | 0.055 | 0.203 | 0.039 | 0.028 | 0.794 | 0.112 | 0.407 | 0.030 | 0.017 | 0.552 | 0.078 | 0.286 |
| 67 | PA | Cheswick | 8226 | 1 | D082261 | 0.793 | 0.034 | 0.025 | 0.793 | 0.099 | 0.362 | 0.019 | 0.060 | 0.550 | 0.132 | 0.479 | 0.026 | 0.027 | 0.627 | 0.089 | 0.324 |
| 68 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 0.778 | 0.060 | 0.005 | 0.778 | 0.108 | 0.395 | 0.054 | 0.006 | 0.740 | 0.100 | 0.366 | 0.040 | 0.003 | 0.503 | 0.071 | 0.261 |
| 69 | NJ | B L England | 2378 | 2,3 | x12 | 0.766 | 0.016 | 0.023 | 0.446 | 0.065 | 0.238 | 0.030 | 0.036 | 0.766 | 0.110 | 0.402 | 0.017 | 0.012 | 0.349 | 0.050 | 0.182 |
| 70 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 0.756 | 0.036 | 0.014 | 0.623 | 0.084 | 0.308 | 0.038 | 0.028 | 0.756 | 0.110 | 0.402 | 0.023 | 0.013 | 0.425 | 0.060 | 0.221 |
| 71 | MA | Brayton Point | 1619 | 2 | D016192 | 0.735 | 0.011 | 0.018 | 0.538 | 0.050 | 0.182 | 0.011 | 0.033 | 0.633 | 0.075 | 0.275 | 0.012 | 0.050 | 0.735 | 0.104 | 0.379 |
| 72 | MO | Sibley | | 1, 2, 3 | D02094C01 | 0.718 | 0.039 | 0.013 | 0.609 | 0.086 | 0.315 | 0.034 | 0.014 | 0.541 | 0.079 | 0.288 | 0.045 | 0.016 | 0.718 | 0.102 | 0.371 |
| 73 | TX | Big Brown | 3497 | 1 | | 0.704 | 0.057 | 0.004 | 0.704 | 0.100 | 0.365 | 0.054 | 0.001 | 0.646 | 0.091 | 0.334 | 0.034 | 0.001 | 0.411 | 0.058 | 0.214 |
| 74 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.702 | 0.041 | 0.009 | 0.702 | 0.083 | 0.303 | 0.031 | 0.007 | 0.526 | 0.062 | 0.229 | 0.031 | 0.002 | 0.383 | 0.054 | 0.200 |
| 75 | TX | Big Brown | 3497 | 2 | | 0.675 | 0.055 | 0.004 | 0.675 | 0.097 | 0.352 | 0.052 | 0.001 | 0.621 | 0.088 | 0.321 | 0.033 | 0.001 | 0.395 | 0.056 | 0.206 |
| 76 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.659 | 0.026 | 0.008 | 0.388 | 0.056 | 0.206 | 0.043 | 0.014 | 0.659 | 0.095 | 0.346 | 0.028 | 0.011 | 0.454 | 0.064 | 0.236 |
| 77 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 0.659 | 0.048 | 0.007 | 0.659 | 0.092 | 0.335 | 0.034 | 0.014 | 0.554 | 0.079 | 0.290 | 0.034 | 0.010 | 0.522 | 0.074 | 0.271 |
| 78 | IA | Ottumwa | | 1 | D062541 | 0.649 | 0.018 | 0.009 | 0.305 | 0.044 | 0.162 | 0.029 | 0.013 | 0.491 | 0.070 | 0.255 | 0.038 | 0.017 | 0.649 | 0.092 | 0.336 |
| 79 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33% | D02535C01 | 0.606 | 0.041 | 0.007 | 0.606 | 0.079 | 0.290 | 0.027 | 0.008 | 0.438 | 0.059 | 0.217 | 0.031 | 0.015 | 0.544 | 0.077 | 0.282 |
| 80 | MD | Brandon Shores | 602 | 2 | D006022 | 0.604 | 0.016 | 0.004 | 0.206 | 0.033 | 0.123 | 0.017 | 0.019 | 0.604 | 0.061 | 0.222 | 0.016 | 0.006 | 0.267 | 0.038 | 0.140 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | MD | Brandon Shores | 602 | 1 | D006021 | 0.587 | 0.017 | 0.003 | 0.206 | 0.034 | 0.125 | 0.018 | 0.014 | 0.587 | 0.055 | 0.201 | 0.018 | 0.005 | 0.264 | 0.037 | 0.138 |
| 82 | IA | George Neal South | | 4 | D073434 | 0.584 | 0.015 | 0.007 | 0.270 | 0.038 | 0.138 | 0.027 | 0.011 | 0.461 | 0.063 | 0.231 | 0.031 | 0.018 | 0.584 | 0.083 | 0.302 |
| 83 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 0.521 | 0.032 | 0.002 | 0.401 | 0.057 | 0.210 | 0.031 | 0.006 | 0.429 | 0.061 | 0.223 | 0.039 | 0.006 | 0.521 | 0.074 | 0.270 |
| 84 | OH | J M Stuart | 2850 | 4 | D028404 | 0.515 | 0.015 | 0.006 | 0.264 | 0.036 | 0.132 | 0.023 | 0.023 | 0.515 | 0.078 | 0.287 | 0.015 | 0.009 | 0.282 | 0.040 | 0.147 |
| 85 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 0.511 | 0.010 | 0.010 | 0.272 | 0.034 | 0.124 | 0.015 | 0.050 | 0.511 | 0.111 | 0.403 | 0.012 | 0.016 | 0.329 | 0.047 | 0.171 |
| 86 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 0.499 | 0.026 | 0.009 | 0.426 | 0.057 | 0.209 | 0.027 | 0.017 | 0.499 | 0.073 | 0.268 | 0.016 | 0.008 | 0.287 | 0.041 | 0.150 |
| 87 | TX | Martin Lake | 6146 | 1 | | 0.495 | 0.037 | 0.006 | 0.495 | 0.071 | 0.259 | 0.035 | 0.002 | 0.430 | 0.061 | 0.223 | 0.022 | 0.001 | 0.275 | 0.039 | 0.144 |
| 88 | TX | Monticello | 6147 | 1 | | 0.478 | 0.038 | 0.003 | 0.478 | 0.067 | 0.247 | 0.036 | 0.001 | 0.429 | 0.061 | 0.223 | 0.023 | 0.001 | 0.274 | 0.039 | 0.143 |
| 89 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 0.478 | 0.034 | 0.009 | 0.478 | 0.071 | 0.260 | 0.014 | 0.008 | 0.249 | 0.035 | 0.130 | 0.024 | 0.014 | 0.443 | 0.063 | 0.230 |
| 90 | MI | Monroe | 1733 | 1,2 | D01733C12 | 0.475 | 0.008 | 0.011 | 0.308 | 0.032 | 0.119 | 0.010 | 0.032 | 0.475 | 0.070 | 0.256 | 0.009 | 0.026 | 0.414 | 0.059 | 0.215 |
| 91 | TX | Martin Lake | 6146 | 3 | | 0.468 | 0.035 | 0.005 | 0.468 | 0.067 | 0.246 | 0.033 | 0.001 | 0.408 | 0.058 | 0.212 | 0.021 | 0.001 | 0.261 | 0.037 | 0.136 |
| 92 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 0.458 | 0.033 | 0.010 | 0.458 | 0.071 | 0.260 | 0.013 | 0.009 | 0.256 | 0.036 | 0.134 | 0.023 | 0.015 | 0.454 | 0.064 | 0.236 |
| 93 | MD | C P Crane | 1552 | 1 | D015521 | 0.450 | 0.012 | 0.006 | 0.244 | 0.031 | 0.114 | 0.017 | 0.030 | 0.450 | 0.080 | 0.291 | 0.017 | 0.014 | 0.363 | 0.051 | 0.189 |
| 94 | MO | Labadie | | 4 | D021034 | 0.446 | 0.016 | 0.004 | 0.234 | 0.034 | 0.124 | 0.034 | 0.003 | 0.446 | 0.063 | 0.229 | 0.026 | 0.004 | 0.356 | 0.050 | 0.185 |
| 95 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.434 | 0.009 | 0.005 | 0.169 | 0.024 | 0.087 | 0.010 | 0.014 | 0.287 | 0.041 | 0.149 | 0.013 | 0.023 | 0.434 | 0.061 | 0.225 |
| 96 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 0.432 | 0.011 | 0.007 | 0.240 | 0.030 | 0.112 | 0.017 | 0.036 | 0.432 | 0.089 | 0.325 | 0.013 | 0.012 | 0.287 | 0.041 | 0.150 |
| 97 | OK | Grand River Dam Authority | | 1 | D001651 | 0.421 | 0.030 | 0.000 | 0.421 | 0.049 | 0.181 | 0.022 | 0.000 | 0.318 | 0.037 | 0.136 | 0.024 | 0.000 | 0.279 | 0.040 | 0.146 |
| 98 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 0.420 | 0.026 | 0.000 | 0.314 | 0.044 | 0.163 | 0.030 | 0.001 | 0.420 | 0.051 | 0.188 | 0.028 | 0.000 | 0.337 | 0.048 | 0.176 |
| 99 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.407 | 0.003 | 0.019 | 0.244 | 0.037 | 0.136 | 0.005 | 0.025 | 0.360 | 0.050 | 0.185 | 0.005 | 0.029 | 0.407 | 0.058 | 0.212 |
| 100 | TX | Martin Lake | 6146 | 2 | | 0.378 | 0.028 | 0.005 | 0.378 | 0.056 | 0.204 | 0.027 | 0.001 | 0.332 | 0.047 | 0.172 | 0.017 | 0.001 | 0.212 | 0.030 | 0.111 |
| 101 | KY | Paradise | 1378 | 2 | D013782 | 0.375 | 0.026 | 0.005 | 0.375 | 0.052 | 0.193 | 0.020 | 0.005 | 0.296 | 0.042 | 0.155 | 0.019 | 0.005 | 0.280 | 0.040 | 0.146 |
| 102 | MA | Brayton Point | 1619 | 3 | D016193 | 0.352 | 0.011 | 0.010 | 0.352 | 0.035 | 0.131 | 0.010 | 0.016 | 0.334 | 0.043 | 0.159 | 0.010 | 0.019 | 0.347 | 0.049 | 0.181 |
| 103 | DE | Indian River | 594 | 4 | D005944 | 0.345 | 0.007 | 0.001 | 0.095 | 0.013 | 0.050 | 0.028 | 0.002 | 0.345 | 0.050 | 0.182 | 0.006 | 0.001 | 0.076 | 0.011 | 0.040 |
| 104 | WI | Columbia | | 1 | D080231 | 0.335 | 0.002 | 0.006 | 0.099 | 0.014 | 0.053 | 0.005 | 0.008 | 0.195 | 0.022 | 0.080 | 0.008 | 0.020 | 0.335 | 0.047 | 0.174 |
| 105 | OH | Cardinal | 2828 | 3 | D028283 | 0.317 | 0.015 | 0.007 | 0.317 | 0.038 | 0.138 | 0.011 | 0.019 | 0.247 | 0.051 | 0.187 | 0.010 | 0.008 | 0.209 | 0.030 | 0.109 |
| 106 | MA | Brayton Point | 1619 | 1 | D016191 | 0.305 | 0.011 | 0.005 | 0.233 | 0.027 | 0.098 | 0.012 | 0.009 | 0.276 | 0.035 | 0.128 | 0.011 | 0.014 | 0.305 | 0.043 | 0.159 |
| 107 | KY | Paradise | 1378 | 1 | D01720C09 | 0.299 | 0.021 | 0.004 | 0.299 | 0.042 | 0.154 | 0.016 | 0.004 | 0.237 | 0.034 | 0.124 | 0.015 | 0.004 | 0.224 | 0.032 | 0.117 |
| 108 | KY | Paradise | 1378 | 3 | D013783 | 0.298 | 0.016 | 0.010 | 0.298 | 0.044 | 0.160 | 0.012 | 0.012 | 0.297 | 0.040 | 0.147 | 0.012 | 0.009 | 0.249 | 0.035 | 0.130 |
| 109 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.291 | 0.009 | 0.002 | 0.135 | 0.019 | 0.072 | 0.021 | 0.004 | 0.291 | 0.042 | 0.155 | 0.018 | 0.006 | 0.285 | 0.040 | 0.149 |
| 110 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 0.281 | 0.014 | 0.002 | 0.181 | 0.026 | 0.094 | 0.019 | 0.006 | 0.281 | 0.041 | 0.150 | 0.016 | 0.002 | 0.211 | 0.030 | 0.110 |
| 111 | WI | Columbia | | 2 | D080232 | 0.274 | 0.003 | 0.006 | 0.099 | 0.014 | 0.053 | 0.006 | 0.007 | 0.183 | 0.021 | 0.076 | 0.008 | 0.016 | 0.274 | 0.039 | 0.143 |
| 112 | MD | Morgantown | 1573 | 1 | D015731 | 0.250 | 0.016 | 0.002 | 0.215 | 0.030 | 0.112 | 0.018 | 0.008 | 0.250 | 0.042 | 0.154 | 0.016 | 0.002 | 0.212 | 0.030 | 0.111 |
| 113 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.235 | 0.007 | 0.004 | 0.120 | 0.019 | 0.068 | 0.013 | 0.007 | 0.216 | 0.033 | 0.122 | 0.011 | 0.009 | 0.235 | 0.033 | 0.123 |
| 114 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.224 | 0.009 | 0.006 | 0.183 | 0.025 | 0.093 | 0.010 | 0.007 | 0.197 | 0.028 | 0.103 | 0.011 | 0.008 | 0.224 | 0.032 | 0.117 |
| 115 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.222 | 0.002 | 0.006 | 0.165 | 0.013 | 0.047 | 0.002 | 0.011 | 0.222 | 0.022 | 0.082 | 0.002 | 0.016 | 0.218 | 0.031 | 0.114 |
| 116 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.209 | 0.001 | 0.005 | 0.142 | 0.011 | 0.039 | 0.002 | 0.011 | 0.209 | 0.021 | 0.078 | 0.001 | 0.016 | 0.204 | 0.029 | 0.107 |
| 117 | KY | Mill Creek | 1364 | 4 | D013644 | 0.190 | 0.004 | 0.008 | 0.190 | 0.019 | 0.072 | 0.003 | 0.013 | 0.184 | 0.027 | 0.100 | 0.002 | 0.008 | 0.127 | 0.018 | 0.067 |
| 118 | GA | Scherer | | 4 | D062574 | 0.133 | 0.002 | 0.004 | 0.133 | 0.010 | 0.037 | 0.001 | 0.007 | 0.057 | 0.014 | 0.050 | 0.001 | 0.007 | 0.105 | 0.015 | 0.055 |
| 119 | GA | Scherer | | 1 | D062571 | 0.129 | 0.001 | 0.004 | 0.129 | 0.009 | 0.035 | 0.000 | 0.008 | 0.057 | 0.014 | 0.050 | 0.001 | 0.008 | 0.102 | 0.014 | 0.053 |
| 120 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.108 | 0.002 | 0.003 | 0.108 | 0.008 | 0.031 | 0.001 | 0.002 | 0.035 | 0.005 | 0.017 | 0.001 | 0.003 | 0.050 | 0.007 | 0.026 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.099 | 0.005 | 0.003 | 0.099 | 0.013 | 0.047 | 0.004 | 0.004 | 0.075 | 0.012 | 0.045 | 0.004 | 0.003 | 0.082 | 0.012 | 0.043 |
| 122 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.099 | 0.005 | 0.003 | 0.099 | 0.013 | 0.047 | 0.004 | 0.003 | 0.074 | 0.012 | 0.044 | 0.004 | 0.003 | 0.082 | 0.012 | 0.043 |
| 123 | GA | Scherer | | 2 | D062572 | 0.098 | 0.001 | 0.003 | 0.098 | 0.007 | 0.025 | 0.000 | 0.006 | 0.043 | 0.010 | 0.038 | 0.001 | 0.006 | 0.076 | 0.011 | 0.040 |
| 124 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.095 | 0.006 | 0.002 | 0.095 | 0.014 | 0.050 | 0.004 | 0.001 | 0.068 | 0.010 | 0.036 | 0.006 | 0.002 | 0.092 | 0.013 | 0.048 |
| 125 | GA | Yates | | Y7BR | D00728Y7R | 0.088 | 0.000 | 0.004 | 0.079 | 0.006 | 0.024 | 0.000 | 0.005 | 0.045 | 0.009 | 0.032 | 0.000 | 0.007 | 0.088 | 0.013 | 0.046 |
| 126 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.087 | 0.002 | 0.002 | 0.087 | 0.008 | 0.029 | 0.001 | 0.002 | 0.030 | 0.004 | 0.016 | 0.001 | 0.002 | 0.040 | 0.006 | 0.021 |
| 127 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.064 | 0.004 | 0.001 | 0.064 | 0.009 | 0.034 | 0.003 | 0.001 | 0.046 | 0.007 | 0.024 | 0.004 | 0.001 | 0.058 | 0.008 | 0.030 |
| 128 | KS | La Cygne | 1241 | 1 | | 0.039 | 0.003 | 0.000 | 0.039 | 0.006 | 0.022 | 0.003 | 0.000 | 0.033 | 0.005 | 0.020 | 0.003 | 0.000 | 0.037 | 0.005 | 0.019 |
| 129 | VA | Bremo Power Station | | 4 | D037964 | 0.021 | 0.000 | 0.001 | 0.018 | 0.002 | 0.006 | 0.000 | 0.002 | 0.016 | 0.003 | 0.012 | 0.000 | 0.002 | 0.021 | 0.003 | 0.011 |
| 130 | KS | La Cygne | | 2 | D012412 | 0.012 | 0.001 | 0.000 | 0.012 | 0.002 | 0.007 | 0.001 | 0.000 | 0.011 | 0.002 | 0.006 | 0.001 | 0.000 | 0.011 | 0.002 | 0.006 |

## F.15 2011 EGU Ranking Visibility Impairing Sources to Dolly Sods

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 77.322 | 5.370 | 0.528 | 77.322 | 4.905 | 14.208 | 4.154 | 0.673 | 61.287 | 4.067 | 12.497 | 2.993 | 1.015 | 49.444 | 3.400 | 11.013 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 25.005 | 1.533 | 0.500 | 24.268 | 1.813 | 6.859 | 1.281 | 0.255 | 18.207 | 1.390 | 5.536 | 1.680 | 0.409 | 25.005 | 1.863 | 7.009 |
| 3 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 14.413 | 1.126 | 0.094 | 14.413 | 1.116 | 4.608 | 0.867 | 0.088 | 11.206 | 0.878 | 3.751 | 0.538 | 0.101 | 7.436 | 0.591 | 2.639 |
| 4 | PA | Cheswick | 8226 | 1 | D082261 | 12.112 | 0.811 | 0.222 | 12.112 | 0.946 | 4.001 | 0.733 | 0.210 | 11.048 | 0.866 | 3.707 | 0.589 | 0.208 | 9.297 | 0.734 | 3.203 |
| 5 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 11.819 | 0.884 | 0.123 | 11.819 | 0.924 | 3.921 | 0.806 | 0.136 | 11.048 | 0.866 | 3.707 | 0.617 | 0.077 | 8.091 | 0.642 | 2.841 |
| 6 | PA | Homer City | 3122 | 2 | D031222 | 11.285 | 0.903 | 0.058 | 11.285 | 0.884 | 3.773 | 0.855 | 0.102 | 11.233 | 0.880 | 3.759 | 0.719 | 0.087 | 9.417 | 0.743 | 3.239 |
| 7 | PA | Homer City | 3122 | 1 | D031221 | 11.153 | 0.902 | 0.048 | 11.153 | 0.874 | 3.736 | 0.855 | 0.083 | 11.000 | 0.863 | 3.693 | 0.718 | 0.071 | 9.220 | 0.728 | 3.181 |
| 8 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 11.055 | 0.715 | 0.077 | 9.248 | 0.730 | 3.189 | 0.860 | 0.083 | 11.055 | 0.867 | 3.709 | 0.699 | 0.069 | 8.967 | 0.709 | 3.105 |
| 9 | MI | Monroe | 1733 | 1,2 | D01733C12 | 11.037 | 0.507 | 0.188 | 8.109 | 0.643 | 2.847 | 0.626 | 0.313 | 10.996 | 0.862 | 3.692 | 0.506 | 0.436 | 11.037 | 0.865 | 3.704 |
| 10 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 10.807 | 0.677 | 0.223 | 10.533 | 0.827 | 3.561 | 0.450 | 0.221 | 7.818 | 0.621 | 2.757 | 0.725 | 0.199 | 10.807 | 0.848 | 3.639 |
| 11 | WV | Harrison Power Station | | 1 (25%), 2 (2( | D03944C01 | 10.805 | 0.340 | 0.578 | 10.805 | 0.848 | 3.638 | 0.179 | 0.548 | 8.561 | 0.678 | 2.984 | 0.166 | 0.612 | 9.195 | 0.726 | 3.173 |
| 12 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 10.350 | 0.687 | 0.198 | 10.350 | 0.814 | 3.509 | 0.519 | 0.082 | 6.991 | 0.557 | 2.499 | 0.491 | 0.090 | 6.750 | 0.538 | 2.423 |
| 13 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 8.935 | 0.491 | 0.174 | 7.754 | 0.616 | 2.738 | 0.566 | 0.200 | 8.935 | 0.706 | 3.096 | 0.436 | 0.173 | 7.091 | 0.564 | 2.531 |
| 14 | OH | Conesville | 2840 | 5,6 | D02840C06 | 8.178 | 0.105 | 0.191 | 3.449 | 0.279 | 1.311 | 0.091 | 0.257 | 4.074 | 0.328 | 1.531 | 0.111 | 0.581 | 8.178 | 0.648 | 2.868 |
| 15 | WV | Albright Power Station | 3942 | 3 | D039423 | 8.050 | 0.493 | 0.198 | 8.050 | 0.638 | 2.829 | 0.353 | 0.095 | 5.199 | 0.417 | 1.916 | 0.398 | 0.160 | 6.489 | 0.518 | 2.339 |
| 16 | PA | Keystone | 3136 | 1 | D031361 | 7.910 | 0.414 | 0.173 | 6.833 | 0.545 | 2.449 | 0.366 | 0.233 | 6.984 | 0.556 | 2.497 | 0.439 | 0.240 | 7.910 | 0.628 | 2.786 |
| 17 | PA | Keystone | 3136 | 2 | D031362 | 7.868 | 0.413 | 0.172 | 6.800 | 0.542 | 2.439 | 0.365 | 0.231 | 6.947 | 0.553 | 2.485 | 0.437 | 0.238 | 7.868 | 0.624 | 2.773 |
| 18 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 7.701 | 0.464 | 0.092 | 6.461 | 0.516 | 2.330 | 0.523 | 0.138 | 7.701 | 0.612 | 2.721 | 0.507 | 0.136 | 7.485 | 0.595 | 2.654 |
| 19 | OH | Eastlake | | 5 | D028375 | 7.677 | 0.486 | 0.118 | 7.023 | 0.559 | 2.509 | 0.335 | 0.139 | 5.504 | 0.441 | 2.017 | 0.551 | 0.108 | 7.677 | 0.610 | 2.714 |
| 20 | OH | Muskingum River | 2872 | 5 | D028725 | 7.593 | 0.497 | 0.066 | 6.542 | 0.522 | 2.356 | 0.372 | 0.032 | 4.678 | 0.376 | 1.739 | 0.591 | 0.061 | 7.593 | 0.603 | 2.688 |
| 21 | IN | Tanners Creek | 988 | U4 | D00988U4 | 7.318 | 0.538 | 0.091 | 7.318 | 0.582 | 2.602 | 0.290 | 0.064 | 4.092 | 0.330 | 1.537 | 0.197 | 0.057 | 2.932 | 0.237 | 1.125 |
| 22 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 7.249 | 0.377 | 0.245 | 7.249 | 0.577 | 2.581 | 0.354 | 0.238 | 6.898 | 0.550 | 2.470 | 0.200 | 0.312 | 5.987 | 0.479 | 2.176 |
| 23 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 7.188 | 0.405 | 0.085 | 5.692 | 0.456 | 2.080 | 0.522 | 0.096 | 7.188 | 0.572 | 2.561 | 0.333 | 0.137 | 5.460 | 0.437 | 2.003 |
| 24 | OH | Cardinal | 2828 | 3 | D028283 | 6.715 | 0.537 | 0.041 | 6.715 | 0.535 | 2.412 | 0.277 | 0.060 | 3.899 | 0.314 | 1.470 | 0.479 | 0.066 | 6.324 | 0.505 | 2.286 |
| 25 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 6.666 | 0.126 | 0.440 | 6.666 | 0.532 | 2.396 | | | | | | | | | | |
| 26 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 6.091 | 0.483 | 0.041 | 6.091 | 0.487 | 2.210 | 0.282 | 0.062 | 3.977 | 0.320 | 1.497 | 0.342 | 0.070 | 4.777 | 0.384 | 1.773 |
| 27 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 6.079 | 0.304 | 0.193 | 5.781 | 0.463 | 2.109 | 0.281 | 0.139 | 4.868 | 0.391 | 1.804 | 0.423 | 0.101 | 6.079 | 0.486 | 2.207 |
| 28 | MD | Morgantown | 1573 | 1 | D015731 | 6.054 | 0.509 | 0.012 | 6.054 | 0.484 | 2.198 | 0.235 | 0.018 | 2.912 | 0.236 | 1.118 | 0.159 | 0.010 | 1.946 | 0.158 | 0.761 |
| 29 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 5.879 | 0.115 | 0.385 | 5.879 | 0.470 | 2.141 | | | | | | | | | | |
| 30 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 5.740 | 0.455 | 0.040 | 5.740 | 0.459 | 2.095 | 0.350 | 0.038 | 4.487 | 0.361 | 1.674 | 0.217 | 0.043 | 3.005 | 0.243 | 1.152 |
| 31 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 5.647 | 0.398 | 0.089 | 5.647 | 0.452 | 2.065 | 0.255 | 0.043 | 3.446 | 0.278 | 1.310 | 0.165 | 0.030 | 2.258 | 0.183 | 0.877 |
| 32 | MI | J H Campbell | | 3 (50%) | D01710M3A | 5.373 | 0.062 | 0.032 | 1.088 | 0.089 | 0.433 | 0.207 | 0.099 | 3.551 | 0.287 | 1.347 | 0.319 | 0.143 | 5.373 | 0.431 | 1.974 |
| 33 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 5.267 | 0.311 | 0.048 | 4.159 | 0.335 | 1.561 | 0.400 | 0.054 | 5.267 | 0.422 | 1.939 | 0.256 | 0.076 | 3.837 | 0.309 | 1.448 |
| 34 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 5.091 | 0.068 | 0.104 | 2.005 | 0.163 | 0.783 | 0.227 | 0.210 | 5.091 | 0.408 | 1.880 | 0.092 | 0.154 | 2.870 | 0.232 | 1.103 |
| 35 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 5.061 | 0.038 | 0.391 | 5.061 | 0.406 | 1.869 | | | | | | | | | | |
| 36 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 5.055 | 0.352 | 0.084 | 5.055 | 0.406 | 1.867 | 0.246 | 0.080 | 3.776 | 0.305 | 1.427 | 0.281 | 0.139 | 4.874 | 0.391 | 1.806 |
| 37 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 4.979 | 0.348 | 0.082 | 4.979 | 0.400 | 1.842 | 0.243 | 0.078 | 3.716 | 0.300 | 1.406 | 0.277 | 0.135 | 4.792 | 0.385 | 1.778 |
| 38 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 4.937 | 0.308 | 0.076 | 4.449 | 0.358 | 1.661 | 0.377 | 0.049 | 4.937 | 0.396 | 1.827 | 0.214 | 0.039 | 2.912 | 0.236 | 1.118 |
| 39 | MI | St. Clair | 1743 | 7 | D017437 | 4.888 | 0.399 | 0.023 | 4.888 | 0.393 | 1.811 | 0.337 | 0.049 | 4.467 | 0.359 | 1.667 | 0.245 | 0.034 | 3.223 | 0.260 | 1.230 |
| 40 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 4.519 | 0.146 | 0.241 | 4.519 | 0.363 | 1.685 | 0.111 | 0.131 | 2.814 | 0.228 | 1.082 | 0.071 | 0.041 | 1.297 | 0.106 | 0.513 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 4.514 | 0.054 | 0.026 | 0.928 | 0.076 | 0.370 | 0.192 | 0.095 | 3.324 | 0.269 | 1.266 | 0.284 | 0.106 | 4.514 | 0.363 | 1.683 |
| 42 | MI | Trenton Channel | 1745 | 9A | D017459A | 4.452 | 0.201 | 0.064 | 3.062 | 0.248 | 1.172 | 0.324 | 0.061 | 4.452 | 0.358 | 1.662 | 0.201 | 0.033 | 2.697 | 0.218 | 1.039 |
| 43 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 4.451 | 0.293 | 0.029 | 3.719 | 0.300 | 1.407 | 0.349 | 0.035 | 4.451 | 0.358 | 1.662 | 0.212 | 0.030 | 2.791 | 0.226 | 1.074 |
| 44 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 4.381 | 0.223 | 0.048 | 3.138 | 0.254 | 1.199 | 0.297 | 0.082 | 4.381 | 0.353 | 1.638 | 0.275 | 0.039 | 3.619 | 0.292 | 1.371 |
| 45 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 4.359 | 0.283 | 0.031 | 3.633 | 0.293 | 1.376 | 0.337 | 0.039 | 4.359 | 0.351 | 1.630 | 0.191 | 0.035 | 2.608 | 0.211 | 1.007 |
| 46 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 4.351 | 0.272 | 0.062 | 3.870 | 0.312 | 1.460 | 0.233 | 0.142 | 4.351 | 0.350 | 1.627 | 0.180 | 0.097 | 3.214 | 0.260 | 1.227 |
| 47 | PA | Brunner Island | 3140 | 3 | D031403 | 4.285 | 0.165 | 0.203 | 4.285 | 0.345 | 1.604 | 0.242 | 0.103 | 4.007 | 0.323 | 1.508 | 0.090 | 0.144 | 2.727 | 0.221 | 1.050 |
| 48 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 4.071 | 0.152 | 0.156 | 3.581 | 0.289 | 1.358 | 0.145 | 0.129 | 3.191 | 0.258 | 1.218 | 0.128 | 0.221 | 4.071 | 0.328 | 1.530 |
| 49 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 3.632 | 0.221 | 0.093 | 3.632 | 0.293 | 1.376 | | | | | | | | | | |
| 50 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 3.584 | 0.151 | 0.050 | 2.321 | 0.188 | 0.901 | 0.227 | 0.082 | 3.584 | 0.289 | 1.359 | 0.112 | 0.112 | 2.595 | 0.210 | 1.002 |
| 51 | IL | Powerton | | 51,52,61,62 | D00879C06 | 3.568 | 0.101 | 0.053 | 1.782 | 0.145 | 0.699 | 0.235 | 0.074 | 3.568 | 0.288 | 1.353 | 0.201 | 0.031 | 2.679 | 0.217 | 1.033 |
| 52 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 3.535 | 0.260 | 0.046 | 3.535 | 0.285 | 1.341 | 0.200 | 0.026 | 2.603 | 0.211 | 1.005 | 0.116 | 0.030 | 1.687 | 0.137 | 0.663 |
| 53 | PA | Montour | 3149 | 1 | D031491 | 3.299 | 0.095 | 0.187 | 3.299 | 0.267 | 1.257 | 0.099 | 0.042 | 1.633 | 0.133 | 0.642 | 0.086 | 0.156 | 2.821 | 0.228 | 1.085 |
| 54 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 3.148 | 0.161 | 0.067 | 2.641 | 0.214 | 1.019 | 0.150 | 0.089 | 2.765 | 0.224 | 1.064 | 0.170 | 0.101 | 3.148 | 0.255 | 1.203 |
| 55 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 3.135 | 0.135 | 0.110 | 2.839 | 0.230 | 1.091 | 0.129 | 0.092 | 2.562 | 0.208 | 0.990 | 0.114 | 0.156 | 3.135 | 0.254 | 1.199 |
| 56 | PA | Montour | 3149 | 2 | D031492 | 3.102 | 0.096 | 0.170 | 3.102 | 0.251 | 1.187 | 0.100 | 0.038 | 1.597 | 0.130 | 0.628 | 0.087 | 0.141 | 2.654 | 0.215 | 1.024 |
| 57 | MI | Belle River | | 2 | D060342 | 3.064 | 0.221 | 0.045 | 3.064 | 0.248 | 1.173 | 0.169 | 0.092 | 3.017 | 0.244 | 1.156 | 0.146 | 0.071 | 2.516 | 0.204 | 0.973 |
| 58 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 3.064 | 0.121 | 0.143 | 3.064 | 0.248 | 1.173 | | | | | | | | | | |
| 59 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 3.035 | 0.077 | 0.144 | 2.580 | 0.209 | 0.996 | 0.054 | 0.205 | 3.035 | 0.245 | 1.162 | 0.080 | 0.135 | 2.502 | 0.203 | 0.968 |
| 60 | PA | Homer City | | 3 | D031223 | 3.027 | 0.106 | 0.069 | 2.019 | 0.164 | 0.788 | 0.101 | 0.159 | 3.027 | 0.245 | 1.160 | 0.088 | 0.109 | 2.294 | 0.186 | 0.891 |
| 61 | MI | Belle River | | 1 | D060341 | 3.017 | 0.217 | 0.044 | 3.017 | 0.244 | 1.156 | 0.166 | 0.091 | 2.979 | 0.241 | 1.142 | 0.144 | 0.071 | 2.483 | 0.201 | 0.961 |
| 62 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 3.010 | 0.254 | 0.007 | 3.010 | 0.244 | 1.153 | 0.145 | 0.019 | 1.887 | 0.153 | 0.739 | 0.174 | 0.017 | 2.203 | 0.179 | 0.857 |
| 63 | GA | Yates | | Y6BR | D00728Y6R | 2.929 | 0.249 | 0.005 | 2.929 | 0.237 | 1.124 | 0.131 | 0.015 | 1.681 | 0.137 | 0.660 | 0.185 | 0.009 | 2.231 | 0.181 | 0.867 |
| 64 | WV | Longview Power | 56671 | 1 | | 2.889 | 0.163 | 0.086 | 2.889 | 0.234 | 1.109 | | | | | | | | | | |
| 65 | VA | Bremo Power Station | | 4 | D037964 | 2.855 | 0.134 | 0.112 | 2.855 | 0.231 | 1.097 | 0.123 | 0.056 | 2.061 | 0.167 | 0.804 | 0.066 | 0.047 | 1.306 | 0.106 | 0.517 |
| 66 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 2.833 | 0.145 | 0.015 | 1.841 | 0.150 | 0.721 | 0.222 | 0.023 | 2.833 | 0.229 | 1.089 | 0.143 | 0.012 | 1.785 | 0.145 | 0.700 |
| 67 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 2.788 | 0.234 | 0.008 | 2.788 | 0.226 | 1.073 | 0.134 | 0.021 | 1.778 | 0.145 | 0.697 | 0.160 | 0.019 | 2.065 | 0.168 | 0.805 |
| 68 | KY | Paradise | 1378 | 3 | D013783 | 2.786 | 0.055 | 0.141 | 2.286 | 0.185 | 0.888 | 0.105 | 0.132 | 2.760 | 0.224 | 1.062 | 0.075 | 0.164 | 2.786 | 0.226 | 1.072 |
| 69 | MI | St. Clair | 1743 | 6 | D017436 | 2.770 | 0.226 | 0.015 | 2.770 | 0.224 | 1.066 | 0.205 | 0.030 | 2.713 | 0.220 | 1.045 | 0.149 | 0.021 | 1.959 | 0.159 | 0.766 |
| 70 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 2.717 | 0.052 | 0.028 | 0.920 | 0.075 | 0.367 | 0.146 | 0.089 | 2.717 | 0.220 | 1.047 | 0.059 | 0.043 | 1.191 | 0.097 | 0.472 |
| 71 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 2.703 | 0.185 | 0.021 | 2.369 | 0.192 | 0.918 | 0.096 | 0.037 | 1.540 | 0.125 | 0.607 | 0.202 | 0.033 | 2.703 | 0.219 | 1.042 |
| 72 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 2.646 | 0.180 | 0.021 | 2.316 | 0.188 | 0.899 | 0.094 | 0.038 | 1.514 | 0.123 | 0.597 | 0.196 | 0.033 | 2.646 | 0.214 | 1.021 |
| 73 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 2.646 | 0.191 | 0.038 | 2.646 | 0.214 | 1.021 | 0.170 | 0.026 | 2.259 | 0.183 | 0.878 | | | | | |
| 74 | PA | Armstrong Power Station | | 1 | D031781 | 2.643 | 0.201 | 0.028 | 2.643 | 0.214 | 1.019 | 0.188 | 0.030 | 2.521 | 0.204 | 0.975 | | | | | |
| 75 | OH | Killen Station | 6031 | 2 | D060312 | 2.633 | 0.110 | 0.067 | 2.058 | 0.167 | 0.803 | 0.127 | 0.063 | 2.190 | 0.178 | 0.852 | 0.121 | 0.106 | 2.633 | 0.213 | 1.016 |
| 76 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 2.628 | 0.171 | 0.054 | 2.599 | 0.211 | 1.003 | 0.079 | 0.085 | 1.907 | 0.155 | 0.746 | 0.154 | 0.073 | 2.628 | 0.213 | 1.014 |
| 77 | PA | Armstrong Power Station | | 2 | D031782 | 2.618 | 0.197 | 0.030 | 2.618 | 0.212 | 1.010 | 0.184 | 0.032 | 2.501 | 0.203 | 0.967 | | | | | |
| 78 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 2.579 | 0.166 | 0.057 | 2.579 | 0.209 | 0.996 | 0.091 | 0.042 | 1.541 | 0.125 | 0.607 | 0.063 | 0.037 | 1.160 | 0.095 | 0.460 |
| 79 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 2.544 | 0.145 | 0.033 | 2.055 | 0.167 | 0.802 | 0.144 | 0.046 | 2.196 | 0.178 | 0.854 | 0.183 | 0.038 | 2.544 | 0.206 | 0.983 |
| 80 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.501 | 0.166 | 0.051 | 2.501 | 0.203 | 0.967 | 0.141 | 0.035 | 2.024 | 0.164 | 0.790 | 0.140 | 0.034 | 2.007 | 0.163 | 0.784 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 2.489 | 0.189 | 0.026 | **2.489** | 0.202 | 0.963 | 0.140 | 0.021 | **1.858** | 0.151 | 0.727 | 0.078 | 0.012 | **1.035** | 0.084 | 0.412 |
| 82 | KY | Paradise | 1378 | 2 | D013782 | 2.317 | 0.091 | 0.028 | **1.363** | 0.111 | 0.539 | 0.177 | 0.024 | **2.317** | 0.188 | 0.900 | 0.104 | 0.025 | **1.480** | 0.120 | 0.584 |
| 83 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 2.316 | 0.084 | 0.072 | **1.804** | 0.147 | 0.707 | 0.132 | 0.069 | **2.316** | 0.188 | 0.899 | 0.069 | 0.036 | **1.212** | 0.099 | 0.480 |
| 84 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 2.310 | 0.176 | 0.024 | **2.310** | 0.187 | 0.897 | | | | | | | | | | |
| 85 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 2.302 | 0.086 | 0.049 | **1.561** | 0.127 | 0.615 | 0.102 | 0.028 | **1.505** | 0.123 | 0.593 | 0.172 | 0.028 | **2.302** | 0.187 | 0.894 |
| 86 | MD | Brandon Shores | 602 | 2 | D006022 | 2.211 | 0.028 | 0.161 | **2.211** | 0.179 | 0.860 | 0.032 | 0.114 | **1.709** | 0.139 | 0.671 | 0.056 | 0.089 | **1.687** | 0.137 | 0.663 |
| 87 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 2.194 | 0.175 | 0.015 | **2.194** | 0.178 | 0.854 | 0.092 | 0.018 | **1.274** | 0.104 | 0.504 | 0.126 | 0.008 | **1.542** | 0.125 | 0.607 |
| 88 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33 | D02535C01 | 2.187 | 0.051 | 0.008 | 0.683 | 0.056 | 0.274 | 0.150 | 0.039 | **2.187** | 0.177 | 0.851 | 0.146 | 0.026 | **1.980** | 0.161 | 0.773 |
| 89 | GA | Yates | | Y7BR | D00728Y7R | 2.169 | 0.185 | 0.004 | **2.169** | 0.176 | 0.844 | 0.097 | 0.012 | **1.253** | 0.102 | 0.496 | 0.137 | 0.007 | **1.656** | 0.135 | 0.651 |
| 90 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 2.145 | 0.097 | 0.025 | **1.402** | 0.114 | 0.554 | 0.146 | 0.040 | **2.145** | 0.174 | 0.835 | 0.098 | 0.022 | **1.388** | 0.113 | 0.548 |
| 91 | VA | Chesapeake Energy Center | | 4 | D038034 | 2.144 | 0.144 | 0.042 | **2.144** | 0.174 | 0.835 | 0.098 | 0.023 | **1.393** | 0.113 | 0.551 | 0.104 | 0.015 | **1.368** | 0.111 | 0.541 |
| 92 | KY | Ghent | 1356 | 3,4 … (2,3) | D01356C02 | 2.138 | 0.114 | 0.071 | **2.138** | 0.174 | 0.833 | 0.117 | 0.060 | **2.049** | 0.166 | 0.800 | 0.068 | 0.091 | **1.851** | 0.150 | 0.725 |
| 93 | MD | C P Crane | 1552 | 2 | D015522 | 2.112 | 0.091 | 0.036 | **1.463** | 0.119 | 0.577 | 0.098 | 0.057 | **1.798** | 0.146 | 0.705 | 0.130 | 0.052 | **2.112** | 0.171 | 0.823 |
| 94 | MD | Brandon Shores | 602 | 1 | D006021 | 2.107 | 0.029 | 0.151 | **2.107** | 0.171 | 0.821 | 0.033 | 0.107 | **1.635** | 0.133 | 0.643 | 0.058 | 0.083 | **1.639** | 0.133 | 0.644 |
| 95 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 2.104 | 0.169 | 0.014 | **2.104** | 0.171 | 0.820 | 0.117 | 0.016 | **1.526** | 0.124 | 0.601 | 0.124 | 0.019 | **1.653** | 0.134 | 0.650 |
| 96 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 2.082 | 0.165 | 0.016 | **2.082** | 0.169 | 0.812 | 0.125 | 0.014 | **1.602** | 0.130 | 0.631 | 0.136 | 0.008 | **1.657** | 0.135 | 0.651 |
| 97 | KY | Mill Creek | 1364 | 4 | D013644 | 2.069 | 0.104 | 0.016 | **1.381** | 0.112 | 0.546 | 0.155 | 0.025 | **2.069** | 0.168 | 0.807 | 0.080 | 0.033 | **1.303** | 0.106 | 0.515 |
| 98 | KY | Paradise | 1378 | 1 | D01720C09 | 2.050 | 0.079 | 0.027 | **1.220** | 0.099 | 0.484 | 0.154 | 0.023 | **2.050** | 0.166 | 0.800 | 0.091 | 0.024 | **1.319** | 0.107 | 0.522 |
| 99 | PA | Portland | | 3 (2) | d031132 | 2.048 | 0.116 | 0.013 | **1.476** | 0.120 | 0.582 | 0.158 | 0.020 | **2.048** | 0.166 | 0.799 | 0.152 | 0.016 | **1.928** | 0.157 | 0.754 |
| 100 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 2.043 | 0.156 | 0.021 | **2.043** | 0.166 | 0.797 | | | | | | | | | | |
| 101 | OK | Northeastern | | 3313, 3314 | D02963C10 | 1.979 | 0.061 | 0.042 | **1.185** | 0.097 | 0.470 | 0.099 | 0.072 | **1.979** | 0.161 | 0.773 | 0.036 | 0.047 | 0.960 | 0.078 | 0.383 |
| 102 | IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 1.904 | 0.116 | 0.049 | **1.904** | 0.155 | 0.745 | | | | | | | | | | |
| 103 | MD | C P Crane | 1552 | 1 | D015521 | 1.902 | 0.082 | 0.032 | **1.317** | 0.107 | 0.521 | 0.089 | 0.051 | **1.615** | 0.131 | 0.635 | 0.118 | 0.047 | **1.902** | 0.155 | 0.744 |
| 104 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 1.899 | 0.100 | 0.034 | **1.548** | 0.126 | 0.610 | 0.100 | 0.046 | **1.684** | 0.137 | 0.661 | 0.127 | 0.038 | **1.899** | 0.154 | 0.743 |
| 105 | OH | Cardinal | 2828 | 1 | D028281 | 1.894 | 0.138 | 0.026 | **1.894** | 0.154 | 0.741 | | | | | | | | | | |
| 106 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 1.890 | 0.138 | 0.026 | **1.890** | 0.154 | 0.740 | | | | | | | | | | |
| 107 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 1.884 | 0.149 | 0.014 | **1.884** | 0.153 | 0.737 | 0.114 | 0.012 | **1.449** | 0.118 | 0.572 | 0.124 | 0.007 | **1.502** | 0.122 | 0.592 |
| 108 | IN | Merom | | 2SG1 | D062132G1 | 1.851 | 0.149 | 0.012 | **1.851** | 0.150 | 0.725 | | | | | | | | | | |
| 109 | OH | J M Stuart | 2850 | 4 | D028404 | 1.820 | 0.111 | 0.044 | **1.791** | 0.146 | 0.702 | 0.125 | 0.033 | **1.820** | 0.148 | 0.713 | 0.089 | 0.062 | **1.742** | 0.142 | 0.684 |
| 110 | IN | Gibson | 6113 | 5 | D061135 | 1.810 | 0.116 | 0.041 | **1.810** | 0.147 | 0.709 | | | | | | | | | | |
| 111 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.809 | 0.105 | 0.015 | **1.380** | 0.112 | 0.545 | 0.124 | 0.020 | **1.667** | 0.136 | 0.655 | 0.123 | 0.033 | **1.809** | 0.147 | 0.709 |
| 112 | MI | River Rouge | | 3 | D017403 | 1.761 | 0.078 | 0.074 | **1.761** | 0.143 | 0.691 | | | | | | | | | | |
| 113 | GA | Scherer | | 4 | D062574 | 1.719 | 0.138 | 0.012 | **1.719** | 0.140 | 0.675 | 0.090 | 0.011 | **1.167** | 0.095 | 0.463 | 0.056 | 0.011 | 0.774 | 0.063 | 0.309 |
| 114 | NH | Merrimack | 2364 | 2 | D023642 | 1.693 | 0.051 | 0.002 | 0.606 | 0.049 | 0.243 | 0.087 | 0.002 | **1.027** | 0.084 | 0.409 | 0.133 | 0.014 | **1.693** | 0.138 | 0.665 |
| 115 | GA | Scherer | | 1 | D062571 | 1.691 | 0.134 | 0.013 | **1.691** | 0.137 | 0.664 | 0.087 | 0.013 | **1.150** | 0.094 | 0.457 | 0.055 | 0.012 | 0.768 | 0.063 | 0.307 |
| 116 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.689 | 0.029 | 0.115 | **1.689** | 0.137 | 0.664 | 0.033 | 0.075 | **1.252** | 0.102 | 0.496 | 0.038 | 0.044 | 0.953 | 0.078 | 0.380 |
| 117 | NJ | B L England | 2378 | 1 | | 1.686 | 0.056 | 0.009 | 0.748 | 0.061 | 0.299 | 0.102 | 0.044 | **1.686** | 0.137 | 0.662 | 0.070 | 0.009 | 0.913 | 0.075 | 0.364 |
| 118 | GA | Scherer | | 2 | D062572 | 1.677 | 0.133 | 0.012 | **1.677** | 0.136 | 0.659 | 0.087 | 0.012 | **1.138** | 0.093 | 0.452 | 0.055 | 0.011 | 0.757 | 0.062 | 0.303 |
| 119 | VA | Chesapeake Energy Center | | 3 | D038033 | 1.673 | 0.102 | 0.043 | **1.673** | 0.136 | 0.658 | 0.069 | 0.023 | **1.056** | 0.086 | 0.420 | 0.072 | 0.015 | **1.005** | 0.082 | 0.400 |
| 120 | PA | Sunbury | | 4 | D031524 | 1.663 | 0.094 | 0.015 | **1.263** | 0.103 | 0.500 | 0.130 | 0.015 | **1.663** | 0.135 | 0.653 | 0.101 | 0.036 | **1.586** | 0.129 | 0.624 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | IN | Gibson | 6113 | 4 | D061135 | 1.652 | 0.039 | 0.102 | **1.652** | 0.134 | 0.649 | | | | | | | | | | |
| 122 | IA | George Neal South | | 4 | D073434 | 1.636 | 0.087 | 0.034 | **1.396** | 0.114 | 0.551 | 0.114 | 0.028 | **1.636** | 0.133 | 0.643 | 0.047 | 0.018 | 0.744 | 0.061 | 0.298 |
| 123 | WV | John E Amos | 3935 | 3 | D039353 | 1.634 | 0.085 | 0.056 | **1.634** | 0.133 | 0.642 | | | | | | | | | | |
| 124 | TX | Big Brown | 3497 | 2 | | 1.584 | 0.128 | 0.007 | **1.546** | 0.126 | 0.609 | 0.064 | 0.002 | 0.758 | 0.062 | 0.303 | 0.133 | 0.005 | **1.584** | 0.129 | 0.624 |
| 125 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 1.581 | 0.071 | 0.065 | **1.581** | 0.129 | 0.622 | | | | | | | | | | |
| 126 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 1.572 | 0.114 | 0.023 | **1.572** | 0.128 | 0.619 | 0.100 | 0.024 | **1.436** | 0.117 | 0.567 | 0.103 | 0.030 | **1.539** | 0.125 | 0.606 |
| 127 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 1.551 | 0.103 | 0.032 | **1.551** | 0.126 | 0.611 | | | | | | | | | | |
| 128 | MO | New Madrid Power Plant | | 1 | D021671 | 1.520 | 0.029 | 0.101 | **1.520** | 0.124 | 0.599 | | | | | | | | | | |
| 129 | OH | Eastlake | 2837 | 1 | D028371 | 1.515 | 0.109 | 0.022 | **1.515** | 0.123 | 0.597 | | | | | | | | | | |
| 130 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 1.514 | 0.046 | 0.023 | 0.795 | 0.065 | 0.318 | 0.060 | 0.071 | **1.514** | 0.123 | 0.597 | 0.031 | 0.026 | 0.663 | 0.054 | 0.266 |
| 131 | TX | Big Brown | 3497 | 1 | | 1.511 | 0.122 | 0.007 | **1.475** | 0.120 | 0.582 | 0.061 | 0.002 | 0.722 | 0.059 | 0.289 | 0.127 | 0.005 | **1.511** | 0.123 | 0.595 |
| 132 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 1.477 | 0.095 | 0.033 | **1.477** | 0.120 | 0.583 | 0.073 | 0.034 | **1.238** | 0.101 | 0.491 | 0.074 | 0.036 | **1.276** | 0.104 | 0.505 |
| 133 | OH | Cardinal | 2828 | 2 | D028282 | 1.477 | 0.100 | 0.028 | **1.477** | 0.120 | 0.583 | | | | | | | | | | |
| 134 | OH | Miami Fort Power Station | | 8 | D028328 | 1.475 | 0.062 | 0.065 | **1.475** | 0.120 | 0.582 | | | | | | | | | | |
| 135 | MO | Labadie | | 4 | D021034 | 1.471 | 0.046 | 0.008 | 0.627 | 0.051 | 0.251 | 0.115 | 0.012 | **1.471** | 0.120 | 0.580 | 0.064 | 0.008 | 0.834 | 0.068 | 0.333 |
| 136 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 1.456 | 0.021 | 0.104 | **1.456** | 0.119 | 0.574 | | | | | | | | | | |
| 137 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 1.452 | 0.084 | 0.041 | **1.452** | 0.118 | 0.573 | 0.072 | 0.021 | **1.073** | 0.087 | 0.427 | 0.069 | 0.021 | **1.039** | 0.085 | 0.413 |
| 138 | OH | Eastlake | 2837 | 2 | D028372 | 1.446 | 0.106 | 0.020 | **1.446** | 0.118 | 0.571 | | | | | | | | | | |
| 139 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 1.427 | 0.051 | 0.018 | 0.802 | 0.065 | 0.321 | 0.067 | 0.056 | **1.427** | 0.116 | 0.564 | 0.035 | 0.020 | 0.644 | 0.053 | 0.258 |
| 140 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 1.414 | 0.095 | 0.027 | **1.414** | 0.115 | 0.558 | 0.079 | 0.031 | **1.277** | 0.104 | 0.505 | 0.079 | 0.027 | **1.227** | 0.100 | 0.486 |
| 141 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 1.405 | 0.052 | 0.069 | **1.405** | 0.114 | 0.555 | | | | | | | | | | |
| 142 | MN | Sherburne County | | 1, 2 | D06090CS1 | 1.392 | 0.058 | 0.039 | **1.125** | 0.092 | 0.447 | 0.075 | 0.046 | **1.392** | 0.113 | 0.550 | 0.027 | 0.018 | 0.517 | 0.042 | 0.208 |
| 143 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.382 | 0.095 | 0.025 | **1.382** | 0.113 | 0.546 | 0.083 | 0.016 | **1.138** | 0.093 | 0.452 | 0.057 | 0.008 | 0.750 | 0.061 | 0.300 |
| 144 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 1.359 | 0.059 | 0.058 | **1.359** | 0.111 | 0.537 | 0.090 | 0.023 | **1.297** | 0.106 | 0.513 | 0.067 | 0.016 | 0.959 | 0.078 | 0.382 |
| 145 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 1.354 | 0.107 | 0.011 | **1.354** | 0.110 | 0.535 | | | | | | | | | | |
| 146 | OH | Conesville | 2840 | 4 | D028504 | 1.328 | 0.077 | 0.038 | **1.328** | 0.108 | 0.526 | | | | | | | | | | |
| 147 | IA | Ottumwa | | 1 | D062541 | 1.262 | 0.046 | 0.016 | 0.710 | 0.058 | 0.284 | 0.080 | 0.029 | **1.262** | 0.103 | 0.500 | 0.052 | 0.015 | 0.776 | 0.063 | 0.310 |
| 148 | OH | Eastlake | 2837 | 3 | D028373 | 1.259 | 0.091 | 0.018 | **1.259** | 0.103 | 0.499 | | | | | | | | | | |
| 149 | PA | Portland | | 2 (1) | d031131 | 1.253 | 0.073 | 0.005 | 0.895 | 0.073 | 0.357 | 0.102 | 0.007 | **1.253** | 0.102 | 0.496 | 0.095 | 0.006 | **1.166** | 0.095 | 0.463 |
| 150 | MI | J C Weadock | | 7, 8 | D01720C09 | 1.248 | 0.088 | 0.019 | **1.233** | 0.100 | 0.489 | 0.084 | 0.025 | **1.248** | 0.102 | 0.494 | 0.082 | 0.021 | **1.188** | 0.097 | 0.471 |
| 151 | PA | Sunbury | | 3 | D031523 | 1.246 | 0.081 | 0.014 | **1.096** | 0.089 | 0.436 | 0.095 | 0.014 | **1.246** | 0.102 | 0.494 | 0.082 | 0.025 | **1.229** | 0.100 | 0.487 |
| 152 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 1.228 | 0.067 | 0.039 | **1.228** | 0.100 | 0.487 | | | | | | | | | | |
| 153 | MO | New Madrid Power Plant | | 2 | D021672 | 1.201 | 0.028 | 0.075 | **1.201** | 0.098 | 0.476 | | | | | | | | | | |
| 154 | TX | Martin Lake | 6146 | 1 | | 1.198 | 0.091 | 0.013 | **1.198** | 0.098 | 0.475 | 0.046 | 0.004 | 0.567 | 0.046 | 0.228 | 0.095 | 0.009 | **1.193** | 0.097 | 0.473 |
| 155 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 1.172 | 0.067 | 0.035 | **1.172** | 0.096 | 0.465 | | | | | | | | | | |
| 156 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 1.142 | 0.028 | 0.009 | 0.433 | 0.035 | 0.174 | 0.063 | 0.035 | **1.142** | 0.093 | 0.453 | 0.043 | 0.020 | 0.727 | 0.059 | 0.291 |
| 157 | NC | L V Sutton | | 3 | D027133 | 1.141 | 0.056 | 0.016 | 0.829 | 0.068 | 0.331 | 0.084 | 0.015 | **1.141** | 0.093 | 0.453 | 0.058 | 0.015 | 0.833 | 0.068 | 0.333 |
| 158 | IL | Joliet 29 | | 81, 82 | D00384C82 | 1.141 | 0.076 | 0.023 | **1.141** | 0.093 | 0.453 | | | | | | | | | | |
| 159 | IL | Newton | | 2 | D060172 | 1.140 | 0.084 | 0.015 | **1.140** | 0.093 | 0.452 | | | | | | | | | | |
| 160 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 1.135 | 0.072 | 0.026 | **1.135** | 0.092 | 0.451 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 1.125 | 0.070 | 0.005 | 0.861 | 0.070 | 0.344 | 0.083 | 0.009 | **1.060** | 0.086 | 0.421 | 0.090 | 0.008 | **1.125** | 0.092 | 0.447 |
| 162 | OK | Grand River Dam Authority | | 1 | D001651 | 1.124 | 0.029 | 0.018 | 0.536 | 0.044 | 0.215 | 0.068 | 0.030 | **1.124** | 0.092 | 0.447 | 0.028 | 0.026 | 0.628 | 0.051 | 0.252 |
| 163 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 1.122 | 0.049 | 0.048 | **1.122** | 0.091 | 0.446 | | | | | | | | | | |
| 164 | WI | Nelson Dewey | 4054 | 2 | | 1.122 | 0.081 | 0.017 | **1.122** | 0.091 | 0.445 | | | | | | | | | | |
| 165 | NJ | B L England | 2378 | 2,3 | x12 | 1.116 | 0.017 | 0.014 | 0.356 | 0.029 | 0.144 | 0.031 | 0.064 | **1.116** | 0.091 | 0.443 | 0.022 | 0.014 | 0.408 | 0.033 | 0.164 |
| 166 | AL | Greene County | 10 | 1 | | 1.110 | 0.089 | 0.007 | **1.110** | 0.090 | 0.441 | | | | | | | | | | |
| 167 | MO | Rush Island | | 2 | D061552 | 1.107 | 0.089 | 0.007 | **1.107** | 0.090 | 0.440 | | | | | | | | | | |
| 168 | TX | Martin Lake | 6146 | 2 | | 1.105 | 0.085 | 0.011 | **1.104** | 0.090 | 0.439 | 0.043 | 0.003 | 0.526 | 0.043 | 0.211 | 0.089 | 0.007 | **1.105** | 0.090 | 0.439 |
| 169 | MI | Monroe | 1733 | 3,4 | D01733C34 | 1.105 | 0.038 | 0.057 | **1.105** | 0.090 | 0.439 | | | | | | | | | | |
| 170 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 1.100 | 0.046 | 0.049 | **1.100** | 0.090 | 0.437 | | | | | | | | | | |
| 171 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 1.088 | 0.082 | 0.013 | **1.088** | 0.089 | 0.432 | | | | | | | | | | |
| 172 | MO | Rush Island | | 1 | D061551 | 1.075 | 0.085 | 0.008 | **1.075** | 0.088 | 0.427 | | | | | | | | | | |
| 173 | NC | Cape Fear | 2708 | 6 | | 1.060 | 0.072 | 0.008 | 0.916 | 0.075 | 0.365 | 0.069 | 0.023 | **1.060** | 0.086 | 0.421 | 0.043 | 0.011 | 0.613 | 0.050 | 0.246 |
| 174 | KY | Ghent | 1356 | 1,2 … (1,4) | D01356C01 | 1.058 | 0.046 | 0.045 | **1.058** | 0.086 | 0.421 | | | | | | | | | | |
| 175 | PA | Sunbury | | 1A, 1B | D03152CS1 | 1.057 | 0.067 | 0.011 | 0.895 | 0.073 | 0.357 | 0.081 | 0.011 | **1.057** | 0.086 | 0.420 | 0.066 | 0.022 | **1.024** | 0.083 | 0.407 |
| 176 | SC | Jefferies | 3319 | 4 | | 1.055 | 0.035 | 0.001 | 0.418 | 0.034 | 0.168 | 0.075 | 0.007 | 0.942 | 0.077 | 0.375 | 0.086 | 0.006 | **1.055** | 0.086 | 0.420 |
| 177 | SC | Jefferies | 3319 | 3 | | 1.052 | 0.036 | 0.001 | 0.422 | 0.035 | 0.170 | 0.075 | 0.006 | 0.935 | 0.076 | 0.373 | 0.086 | 0.006 | **1.052** | 0.086 | 0.419 |
| 178 | MD | Morgantown | 1573 | 2 | D015732 | 1.040 | 0.081 | 0.010 | **1.040** | 0.085 | 0.414 | | | | | | | | | | |
| 179 | VA | Chesapeake Energy Center | | 2 | D038032 | 1.038 | 0.064 | 0.026 | **1.038** | 0.085 | 0.413 | 0.045 | 0.014 | 0.677 | 0.055 | 0.271 | 0.047 | 0.009 | 0.640 | 0.052 | 0.257 |
| 180 | AR | Independence | | 1 | D066411 | 1.037 | 0.051 | 0.038 | **1.037** | 0.085 | 0.413 | | | | | | | | | | |
| 181 | SC | H B Robinson | | 1 | D032511 | 1.026 | 0.052 | 0.003 | 0.638 | 0.052 | 0.256 | 0.078 | 0.011 | **1.026** | 0.084 | 0.408 | 0.038 | 0.014 | 0.597 | 0.049 | 0.239 |
| 182 | TX | Martin Lake | 6146 | 3 | | 1.025 | 0.078 | 0.011 | **1.025** | 0.084 | 0.408 | 0.039 | 0.003 | 0.485 | 0.040 | 0.195 | 0.081 | 0.007 | **1.021** | 0.083 | 0.406 |
| 183 | OH | W H Sammis | 2866 | 7 | D028667 | 1.006 | 0.031 | 0.055 | **1.006** | 0.082 | 0.400 | | | | | | | | | | |
| 184 | WI | Columbia | | 2 | D080232 | 1.004 | 0.059 | 0.020 | 0.911 | 0.074 | 0.363 | 0.067 | 0.020 | **1.004** | 0.082 | 0.400 | 0.069 | 0.014 | 0.952 | 0.078 | 0.379 |
| 185 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 0.999 | 0.068 | 0.018 | 0.999 | 0.081 | 0.398 | | | | | | | | | | |
| 186 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 0.994 | 0.030 | 0.056 | 0.994 | 0.081 | 0.396 | | | | | | | | | | |
| 187 | WI | Columbia | | 1 | D080231 | 0.993 | 0.056 | 0.018 | 0.858 | 0.070 | 0.343 | 0.066 | 0.020 | 0.993 | 0.081 | 0.395 | 0.066 | 0.010 | 0.876 | 0.071 | 0.350 |
| 188 | AR | Independence | | 2 | D066412 | 0.992 | 0.052 | 0.034 | 0.992 | 0.081 | 0.395 | | | | | | | | | | |
| 189 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 0.986 | 0.053 | 0.016 | 0.803 | 0.066 | 0.321 | 0.059 | 0.017 | 0.877 | 0.072 | 0.350 | 0.079 | 0.007 | 0.986 | 0.080 | 0.393 |
| 190 | IN | Cayuga | 1001 | 2 | D010012 | 0.957 | 0.034 | 0.048 | 0.957 | 0.078 | 0.381 | | | | | | | | | | |
| 191 | DE | Indian River | 594 | 4 | D005944 | 0.953 | 0.024 | 0.007 | 0.360 | 0.029 | 0.145 | 0.076 | 0.007 | 0.953 | 0.078 | 0.380 | 0.061 | 0.002 | 0.726 | 0.059 | 0.291 |
| 192 | KY | East Bend | 6018 | 2 | D060182 | 0.951 | 0.033 | 0.049 | 0.951 | 0.078 | 0.379 | | | | | | | | | | |
| 193 | MA | Brayton Point | 1619 | 3 | D016193 | 0.943 | 0.078 | 0.003 | 0.934 | 0.076 | 0.372 | 0.049 | 0.004 | 0.606 | 0.049 | 0.243 | 0.076 | 0.006 | 0.943 | 0.077 | 0.376 |
| 194 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 0.941 | 0.021 | 0.059 | 0.941 | 0.077 | 0.375 | | | | | | | | | | |
| 195 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 0.940 | 0.026 | 0.055 | 0.940 | 0.077 | 0.375 | | | | | | | | | | |
| 196 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 0.929 | 0.020 | 0.059 | 0.929 | 0.076 | 0.370 | | | | | | | | | | |
| 197 | OH | W H Sammis | 2866 | 6 | D02866M6A | 0.912 | 0.032 | 0.046 | 0.912 | 0.074 | 0.364 | | | | | | | | | | |
| 198 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.911 | 0.059 | 0.003 | 0.720 | 0.059 | 0.288 | 0.068 | 0.006 | 0.859 | 0.070 | 0.343 | 0.074 | 0.005 | 0.911 | 0.074 | 0.363 |
| 199 | OH | J M Stuart | 2850 | 3 | D028503 | 0.907 | 0.042 | 0.037 | 0.907 | 0.074 | 0.362 | | | | | | | | | | |
| 200 | TX | Monticello | 6147 | 1 | | 0.907 | 0.071 | 0.007 | 0.897 | 0.073 | 0.358 | 0.036 | 0.002 | 0.432 | 0.035 | 0.174 | 0.074 | 0.005 | 0.907 | 0.074 | 0.362 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.899 | 0.061 | 0.017 | 0.899 | 0.073 | 0.359 | | | | | | | | | | |
| 202 | KS | La Cygne | | 2 | D012412 | 0.891 | 0.035 | 0.025 | 0.686 | 0.056 | 0.275 | 0.054 | 0.024 | 0.891 | 0.073 | 0.356 | 0.042 | 0.027 | 0.795 | 0.065 | 0.318 |
| 203 | MN | Sherburne County | | 3 | D060903 | 0.891 | 0.055 | 0.022 | 0.891 | 0.073 | 0.355 | | | | | | | | | | |
| 204 | AR | White Bluff | | 1 | D060091 | 0.868 | 0.046 | 0.029 | 0.868 | 0.071 | 0.347 | | | | | | | | | | |
| 205 | IN | Cayuga | 1001 | 1 | D010011 | 0.867 | 0.029 | 0.045 | 0.867 | 0.071 | 0.346 | | | | | | | | | | |
| 206 | AR | White Bluff | | 2 | D060092 | 0.867 | 0.044 | 0.031 | 0.867 | 0.071 | 0.346 | | | | | | | | | | |
| 207 | VA | Chesapeake Energy Center | | 1 | D038031 | 0.857 | 0.046 | 0.028 | 0.857 | 0.070 | 0.342 | 0.032 | 0.015 | 0.547 | 0.045 | 0.220 | 0.034 | 0.010 | 0.500 | 0.041 | 0.201 |
| 208 | IA | George Neal North | | 3 | D010913 | 0.852 | 0.047 | 0.027 | 0.852 | 0.070 | 0.340 | | | | | | | | | | |
| 209 | TX | Monticello | 6147 | 2 | | 0.840 | 0.067 | 0.006 | 0.840 | 0.069 | 0.335 | | | | | | | | | | |
| 210 | NH | Merrimack | 2364 | 1 | D023641 | 0.835 | 0.026 | 0.001 | 0.302 | 0.025 | 0.122 | 0.044 | 0.001 | 0.511 | 0.042 | 0.205 | 0.067 | 0.006 | 0.835 | 0.068 | 0.333 |
| 211 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.815 | 0.041 | 0.029 | 0.815 | 0.067 | 0.326 | | | | | | | | | | |
| 212 | TX | Monticello | 6147 | 3 | | 0.808 | 0.060 | 0.010 | 0.808 | 0.066 | 0.323 | | | | | | | | | | |
| 213 | IA | Louisa | | 101 | D06664101 | 0.807 | 0.042 | 0.027 | 0.807 | 0.066 | 0.323 | | | | | | | | | | |
| 214 | OH | J M Stuart | 2850 | 1 | D028501 | 0.791 | 0.040 | 0.029 | 0.791 | 0.065 | 0.316 | | | | | | | | | | |
| 215 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.791 | 0.057 | 0.011 | 0.791 | 0.065 | 0.316 | | | | | | | | | | |
| 216 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.773 | 0.058 | 0.010 | 0.773 | 0.063 | 0.309 | | | | | | | | | | |
| 217 | TX | Limestone | 298 | LIM2 | | 0.769 | 0.052 | 0.015 | 0.769 | 0.063 | 0.308 | | | | | | | | | | |
| 218 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.764 | 0.020 | 0.045 | 0.764 | 0.062 | 0.306 | | | | | | | | | | |
| 219 | SC | Canadys Steam | | CAN3 | D03280CN3 | 0.753 | 0.053 | 0.002 | 0.625 | 0.051 | 0.251 | 0.047 | 0.008 | 0.632 | 0.052 | 0.253 | 0.056 | 0.010 | 0.753 | 0.061 | 0.301 |
| 220 | AL | E C Gaston | 26 | 5 | | 0.752 | 0.030 | 0.034 | 0.752 | 0.061 | 0.301 | | | | | | | | | | |
| 221 | WI | Edgewater (4050) | 4050 | 5 | | 0.727 | 0.054 | 0.010 | 0.727 | 0.059 | 0.291 | | | | | | | | | | |
| 222 | TX | Limestone | 298 | LIM1 | | 0.715 | 0.048 | 0.014 | 0.715 | 0.058 | 0.286 | | | | | | | | | | |
| 223 | OH | J M Stuart | 2850 | 2 | D028502 | 0.700 | 0.023 | 0.037 | 0.700 | 0.057 | 0.281 | | | | | | | | | | |
| 224 | NC | Roxboro | 2712 | 2 | D027122 | 0.700 | 0.047 | 0.014 | 0.700 | 0.057 | 0.280 | | | | | | | | | | |
| 225 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.699 | 0.039 | 0.022 | 0.699 | 0.057 | 0.280 | | | | | | | | | | |
| 226 | KY | Green River | | 5 | D013575 | 0.693 | 0.051 | 0.009 | 0.693 | 0.057 | 0.278 | | | | | | | | | | |
| 227 | NC | L V Sutton | | 1, 2 | D02713C02 | 0.692 | 0.032 | 0.007 | 0.439 | 0.036 | 0.177 | 0.053 | 0.007 | 0.692 | 0.056 | 0.277 | 0.040 | 0.007 | 0.539 | 0.044 | 0.216 |
| 228 | OH | W H Sammis | 2866 | 5 | D028665 | 0.674 | 0.013 | 0.045 | 0.674 | 0.055 | 0.270 | | | | | | | | | | |
| 229 | PA | Shawville | 3131 | 1 | D031311 | 0.664 | 0.038 | 0.019 | 0.664 | 0.054 | 0.266 | | | | | | | | | | |
| 230 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.648 | 0.044 | 0.012 | 0.648 | 0.053 | 0.260 | | | | | | | | | | |
| 231 | PA | Shawville | 3131 | 2 | D031312 | 0.645 | 0.038 | 0.018 | 0.645 | 0.053 | 0.259 | | | | | | | | | | |
| 232 | KY | Green River | | 4 | D013574 | 0.637 | 0.046 | 0.009 | 0.637 | 0.052 | 0.256 | | | | | | | | | | |
| 233 | MO | Labadie | | 3 | D021033 | 0.636 | 0.047 | 0.008 | 0.636 | 0.052 | 0.255 | | | | | | | | | | |
| 234 | GA | Yates | | Y5BR | D00728Y5R | 0.630 | 0.053 | 0.002 | 0.630 | 0.051 | 0.253 | | | | | | | | | | |
| 235 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 0.610 | 0.043 | 0.010 | 0.610 | 0.050 | 0.245 | | | | | | | | | | |
| 236 | MO | Labadie | | 1 | D021031 | 0.603 | 0.045 | 0.007 | 0.603 | 0.049 | 0.242 | | | | | | | | | | |
| 237 | KY | D B Wilson | | W1 | D06823W1 | 0.595 | 0.042 | 0.010 | 0.595 | 0.049 | 0.239 | | | | | | | | | | |
| 238 | NE | Nebraska City Station | | 1 | D060961 | 0.594 | 0.040 | 0.012 | 0.594 | 0.049 | 0.238 | | | | | | | | | | |
| 239 | IL | Marion | | 4 | D009764 | 0.589 | 0.033 | 0.018 | 0.589 | 0.048 | 0.236 | | | | | | | | | | |
| 240 | TN | Cumberland | 3399 | 1 | | 0.584 | 0.027 | 0.023 | 0.584 | 0.048 | 0.234 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.276 | 0.005 | 0.019 | 0.276 | 0.023 | 0.112 | | | | | | | | | | |
| 282 | GA | Bowen | 703 | 3BLR | D007033LR | 0.263 | 0.011 | 0.012 | 0.263 | 0.022 | 0.106 | | | | | | | | | | |
| 283 | SC | McMeekin | | MCM2 | D03287MM2 | 0.242 | 0.019 | 0.002 | 0.242 | 0.020 | 0.098 | | | | | | | | | | |
| 284 | SC | McMeekin | | MCM1 | D03287MM1 | 0.234 | 0.019 | 0.002 | 0.234 | 0.019 | 0.094 | | | | | | | | | | |
| 285 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.221 | 0.015 | 0.004 | 0.221 | 0.018 | 0.089 | 0.009 | 0.006 | 0.175 | 0.014 | 0.071 | 0.011 | 0.005 | 0.182 | 0.015 | 0.074 |
| 286 | NC | Cliffside | 2721 | 5 | D027215 | 0.205 | 0.009 | 0.009 | 0.205 | 0.017 | 0.083 | | | | | | | | | | |
| 287 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.204 | 0.013 | 0.004 | 0.204 | 0.017 | 0.083 | | | | | | | | | | |
| 288 | MA | Canal Station | 1599 | 1 | D015991 | 0.173 | 0.011 | 0.001 | 0.134 | 0.011 | 0.054 | 0.013 | 0.001 | 0.158 | 0.013 | 0.064 | 0.013 | 0.002 | 0.173 | 0.014 | 0.070 |
| 289 | MA | Brayton Point | 1619 | 4 | x07 | 0.171 | 0.012 | 0.002 | 0.154 | 0.013 | 0.062 | 0.007 | 0.001 | 0.098 | 0.008 | 0.040 | 0.012 | 0.003 | 0.171 | 0.014 | 0.069 |
| 290 | NY | Northport | 2516 | 3 | D025163 | 0.170 | 0.013 | 0.002 | 0.170 | 0.014 | 0.069 | | | | | | | | | | |
| 291 | CT | Middletown | 562 | 4 | | 0.158 | 0.011 | 0.003 | 0.158 | 0.013 | 0.064 | | | | | | | | | | |
| 292 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.156 | 0.012 | 0.002 | 0.156 | 0.013 | 0.063 | | | | | | | | | | |
| 293 | CT | New Haven Harbor | 6156 | NHB1 | | 0.154 | 0.011 | 0.003 | 0.154 | 0.013 | 0.062 | | | | | | | | | | |
| 294 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.145 | 0.009 | 0.004 | 0.145 | 0.012 | 0.059 | | | | | | | | | | |
| 295 | MA | Canal Station | 1599 | 2 | D015992 | 0.130 | 0.008 | 0.001 | 0.111 | 0.009 | 0.045 | 0.006 | 0.001 | 0.087 | 0.007 | 0.035 | 0.009 | 0.002 | 0.130 | 0.011 | 0.053 |
| 296 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.129 | 0.008 | 0.003 | 0.129 | 0.011 | 0.052 | | | | | | | | | | |
| 297 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.120 | 0.007 | 0.004 | 0.120 | 0.010 | 0.049 | | | | | | | | | | |
| 298 | MA | Salem Harbor Station | 1626 | 1 | | 0.115 | 0.004 | 0.000 | 0.053 | 0.004 | 0.021 | 0.007 | 0.000 | 0.082 | 0.007 | 0.033 | 0.008 | 0.002 | 0.115 | 0.009 | 0.047 |
| 299 | KS | Quindaro | 1295 | 2 | | 0.109 | 0.005 | 0.004 | 0.109 | 0.009 | 0.044 | | | | | | | | | | |
| 300 | NH | Schiller | 2367 | 6 | | 0.108 | 0.002 | 0.000 | 0.031 | 0.003 | 0.012 | 0.004 | 0.000 | 0.048 | 0.004 | 0.020 | 0.007 | 0.002 | 0.108 | 0.009 | 0.044 |
| 301 | NH | Schiller | 2367 | 4 | | 0.107 | 0.002 | 0.000 | 0.030 | 0.002 | 0.012 | 0.004 | 0.000 | 0.048 | 0.004 | 0.019 | 0.007 | 0.002 | 0.107 | 0.009 | 0.043 |
| 302 | DE | Edge Moor | 593 | 5 | D005935 | 0.101 | 0.006 | 0.003 | 0.101 | 0.008 | 0.041 | | | | | | | | | | |
| 303 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.071 | 0.004 | 0.002 | 0.071 | 0.006 | 0.029 | | | | | | | | | | |
| 304 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.057 | 0.005 | 0.000 | 0.057 | 0.005 | 0.023 | | | | | | | | | | |
| 305 | SC | Winyah | 6249 | 1 | D062491 | 0.021 | 0.001 | 0.001 | 0.021 | 0.002 | 0.009 | | | | | | | | | | |
| 306 | ME | William F Wyman | 1507 | 3 | | 0.006 | 0.000 | 0.000 | 0.006 | 0.000 | 0.002 | | | | | | | | | | |
| 307 | ME | William F Wyman | 1507 | 1 | | 0.003 | 0.000 | 0.000 | 0.003 | 0.000 | 0.001 | | | | | | | | | | |
| 308 | ME | William F Wyman | 1507 | 2 | | 0.003 | 0.000 | 0.000 | 0.003 | 0.000 | 0.001 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.569 | 0.040 | 0.009 | 0.569 | 0.047 | 0.229 | | | | | | | | | | |
| 242 | NC | Belews Creek | 8042 | 2 | D080422 | 0.555 | 0.022 | 0.026 | 0.555 | 0.045 | 0.223 | | | | | | | | | | |
| 243 | NC | Belews Creek | 8042 | 1 | D080421 | 0.552 | 0.021 | 0.027 | 0.552 | 0.045 | 0.222 | | | | | | | | | | |
| 244 | WI | Genoa | 4143 | 1 | | 0.543 | 0.034 | 0.013 | 0.543 | 0.044 | 0.218 | | | | | | | | | | |
| 245 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.537 | 0.038 | 0.008 | 0.537 | 0.044 | 0.216 | | | | | | | | | | |
| 246 | GA | Bowen | 703 | 2BLR | D007032LR | 0.528 | 0.009 | 0.036 | 0.528 | 0.043 | 0.212 | | | | | | | | | | |
| 247 | NC | Riverbend | 2732 | 9 | | 0.515 | 0.042 | 0.003 | 0.515 | 0.042 | 0.207 | | | | | | | | | | |
| 248 | GA | Bowen | 703 | 1BLR | D007031LR | 0.514 | 0.020 | 0.025 | 0.514 | 0.042 | 0.207 | | | | | | | | | | |
| 249 | NC | Marshall | 2727 | 1,2 | x11 | 0.512 | 0.022 | 0.022 | 0.512 | 0.042 | 0.206 | | | | | | | | | | |
| 250 | NC | Roxboro | 2712 | 1 | D027121 | 0.511 | 0.030 | 0.014 | 0.511 | 0.042 | 0.205 | | | | | | | | | | |
| 251 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.499 | 0.032 | 0.011 | 0.499 | 0.041 | 0.201 | | | | | | | | | | |
| 252 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 0.495 | 0.023 | 0.020 | 0.495 | 0.040 | 0.199 | | | | | | | | | | |
| 253 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.489 | 0.032 | 0.010 | 0.489 | 0.040 | 0.197 | | | | | | | | | | |
| 254 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.483 | 0.033 | 0.009 | 0.483 | 0.039 | 0.194 | | | | | | | | | | |
| 255 | GA | Bowen | 703 | 4BLR | D007034LR | 0.478 | 0.011 | 0.030 | 0.478 | 0.039 | 0.192 | | | | | | | | | | |
| 256 | NC | Marshall | 2727 | 4 | D027274 | 0.476 | 0.018 | 0.023 | 0.476 | 0.039 | 0.191 | | | | | | | | | | |
| 257 | KS | Nearman Creek | 6064 | N1 | | 0.447 | 0.019 | 0.020 | 0.447 | 0.037 | 0.180 | | | | | | | | | | |
| 258 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.445 | 0.019 | 0.019 | 0.445 | 0.036 | 0.179 | | | | | | | | | | |
| 259 | NH | Newington | 8002 | 1 | D080021 | 0.445 | 0.009 | 0.001 | 0.119 | 0.010 | 0.048 | 0.012 | 0.001 | 0.144 | 0.012 | 0.058 | 0.033 | 0.006 | 0.445 | 0.036 | 0.179 |
| 260 | ME | William F Wyman | 1507 | 4 | D015074 | 0.432 | 0.004 | 0.001 | 0.057 | 0.005 | 0.023 | 0.012 | 0.001 | 0.147 | 0.012 | 0.060 | 0.030 | 0.007 | 0.432 | 0.035 | 0.174 |
| 261 | TX | Welsh Power Plant | 6139 | 3 | | 0.431 | 0.029 | 0.008 | 0.431 | 0.035 | 0.173 | | | | | | | | | | |
| 262 | KS | La Cygne | 1241 | 1 | | 0.417 | 0.022 | 0.014 | 0.417 | 0.034 | 0.168 | 0.023 | 0.008 | 0.360 | 0.029 | 0.145 | 0.018 | 0.008 | 0.297 | 0.024 | 0.120 |
| 263 | TX | Welsh Power Plant | 6139 | 1 | | 0.412 | 0.028 | 0.008 | 0.412 | 0.034 | 0.166 | | | | | | | | | | |
| 264 | TX | Welsh Power Plant | 6139 | 2 | | 0.409 | 0.029 | 0.007 | 0.409 | 0.033 | 0.165 | | | | | | | | | | |
| 265 | OK | Muskogee | 2952 | 4 | | 0.377 | 0.016 | 0.016 | 0.377 | 0.031 | 0.152 | | | | | | | | | | |
| 266 | IL | Wood River Power Station | | 5 | D008985 | 0.371 | 0.024 | 0.008 | 0.371 | 0.030 | 0.149 | | | | | | | | | | |
| 267 | OK | Hugo | | 1 | D067721 | 0.361 | 0.024 | 0.007 | 0.361 | 0.030 | 0.145 | | | | | | | | | | |
| 268 | MO | Meramec | | 3 | D021043 | 0.352 | 0.024 | 0.007 | 0.352 | 0.029 | 0.142 | | | | | | | | | | |
| 269 | OK | Sooner | 6095 | 1 | | 0.351 | 0.019 | 0.011 | 0.351 | 0.029 | 0.141 | | | | | | | | | | |
| 270 | OK | Sooner | | 2 | D060952 | 0.347 | 0.018 | 0.012 | 0.347 | 0.028 | 0.140 | | | | | | | | | | |
| 271 | OK | Muskogee | | 5 | D029525 | 0.338 | 0.015 | 0.014 | 0.338 | 0.028 | 0.136 | | | | | | | | | | |
| 272 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.335 | 0.028 | 0.002 | 0.335 | 0.027 | 0.135 | | | | | | | | | | |
| 273 | MA | Brayton Point | 1619 | 2 | D016192 | 0.335 | 0.027 | 0.002 | 0.335 | 0.027 | 0.135 | 0.019 | 0.002 | 0.248 | 0.020 | 0.100 | 0.024 | 0.004 | 0.319 | 0.026 | 0.129 |
| 274 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.326 | 0.013 | 0.015 | 0.326 | 0.027 | 0.131 | | | | | | | | | | |
| 275 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.317 | 0.022 | 0.005 | 0.317 | 0.026 | 0.128 | 0.016 | 0.007 | 0.268 | 0.022 | 0.108 | | | | | |
| 276 | MO | Sikeston | | 1 | D067681 | 0.309 | 0.016 | 0.011 | 0.309 | 0.025 | 0.125 | | | | | | | | | | |
| 277 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.304 | 0.024 | 0.003 | 0.304 | 0.025 | 0.123 | | | | | | | | | | |
| 278 | MA | Brayton Point | 1619 | 1 | D016191 | 0.302 | 0.025 | 0.001 | 0.302 | 0.025 | 0.122 | 0.018 | 0.002 | 0.219 | 0.018 | 0.088 | 0.021 | 0.003 | 0.273 | 0.022 | 0.110 |
| 279 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.302 | 0.019 | 0.007 | 0.302 | 0.025 | 0.122 | 0.011 | 0.005 | 0.190 | 0.016 | 0.077 | 0.011 | 0.006 | 0.194 | 0.016 | 0.079 |
| 280 | NC | Marshall | 2727 | 3 | D027273 | 0.282 | 0.018 | 0.006 | 0.282 | 0.023 | 0.114 | | | | | | | | | | |

## F.16 2015 EGU Ranking Visibility Impairing Sources to Dolly Sods

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | PA | Homer City | 3122 | 1 | D031221 | 16.288 | 1.196 | 0.131 | 16.288 | 1.209 | 4.932 | 1.134 | 0.226 | 16.066 | 1.236 | 5.023 | 0.953 | 0.192 | 13.465 | 1.046 | 4.362 |
| 2 | PA | Homer City | 3122 | 2 | D031222 | 14.256 | 1.055 | 0.117 | 14.256 | 1.072 | 4.455 | 1.000 | 0.205 | 14.191 | 1.099 | 4.550 | 0.840 | 0.174 | 11.897 | 0.930 | 3.942 |
| 3 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 13.698 | 0.896 | 0.231 | 13.351 | 1.030 | 4.304 | 0.595 | 0.229 | 9.909 | 0.759 | 3.299 | 0.958 | 0.206 | 13.698 | 1.063 | 4.423 |
| 4 | OH | Muskingum River | 2872 | 5 | D028725 | 12.152 | 0.806 | 0.081 | 10.469 | 0.816 | 3.520 | 0.603 | 0.039 | 7.486 | 0.595 | 2.654 | 0.959 | 0.074 | 12.152 | 0.949 | 4.012 |
| 5 | WV | Harrison Power Station | | 1 (25%), 2 (20% | D03944C01 | 11.424 | 0.354 | 0.613 | 11.424 | 0.892 | 3.802 | 0.186 | 0.581 | 9.051 | 0.715 | 3.129 | 0.173 | 0.649 | 9.722 | 0.766 | 3.328 |
| 6 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 10.265 | 0.781 | 0.094 | 10.265 | 0.805 | 3.478 | 0.712 | 0.105 | 9.595 | 0.753 | 3.277 | 0.545 | 0.059 | 7.027 | 0.559 | 2.511 |
| 7 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 7.414 | 0.464 | 0.076 | 6.220 | 0.501 | 2.270 | 0.523 | 0.114 | 7.414 | 0.590 | 2.634 | 0.507 | 0.113 | 7.206 | 0.573 | 2.567 |
| 8 | OH | Conesville | 2840 | 5,6 | D02840C06 | 7.005 | 0.148 | 0.144 | 2.954 | 0.275 | 1.294 | 0.129 | 0.194 | 3.490 | 0.304 | 1.424 | 0.156 | 0.439 | 7.005 | 0.558 | 2.504 |
| 9 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 6.786 | 0.366 | 0.162 | 6.786 | 0.490 | 2.225 | 0.255 | 0.155 | 5.065 | 0.383 | 1.770 | 0.292 | 0.268 | 6.531 | 0.521 | 2.353 |
| 10 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 6.334 | 0.372 | 0.168 | 6.147 | 0.501 | 2.271 | 0.311 | 0.085 | 4.612 | 0.369 | 1.710 | 0.408 | 0.137 | 6.334 | 0.506 | 2.289 |
| 11 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 6.300 | 0.324 | 0.144 | 5.467 | 0.436 | 1.995 | 0.373 | 0.165 | 6.300 | 0.500 | 2.264 | 0.287 | 0.143 | 5.000 | 0.401 | 1.849 |
| 12 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 6.266 | 0.414 | 0.038 | 5.242 | 0.420 | 1.928 | 0.498 | 0.041 | 6.266 | 0.500 | 2.264 | 0.404 | 0.034 | 5.082 | 0.408 | 1.876 |
| 13 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 6.200 | 0.343 | 0.145 | 6.200 | 0.453 | 2.069 | 0.239 | 0.139 | 4.631 | 0.353 | 1.639 | 0.273 | 0.240 | 5.978 | 0.478 | 2.174 |
| 14 | PA | Keystone | 3136 | 1 | D031361 | 6.101 | 0.277 | 0.166 | 5.271 | 0.413 | 1.900 | 0.245 | 0.224 | 5.387 | 0.438 | 2.004 | 0.293 | 0.231 | 6.101 | 0.488 | 2.214 |
| 15 | PA | Keystone | 3136 | 2 | D031362 | 5.906 | 0.265 | 0.163 | 5.104 | 0.400 | 1.842 | 0.234 | 0.220 | 5.214 | 0.424 | 1.948 | 0.281 | 0.226 | 5.906 | 0.472 | 2.150 |
| 16 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 5.766 | 0.284 | 0.195 | 5.483 | 0.446 | 2.040 | 0.262 | 0.140 | 4.617 | 0.375 | 1.737 | 0.395 | 0.102 | 5.766 | 0.461 | 2.104 |
| 17 | IN | Tanners Creek | 988 | U4 | D00988U4 | 5.732 | 0.410 | 0.078 | 5.732 | 0.453 | 2.071 | 0.221 | 0.055 | 3.205 | 0.258 | 1.217 | 0.150 | 0.048 | 2.297 | 0.186 | 0.892 |
| 18 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 5.504 | 0.233 | 0.208 | 5.504 | 0.412 | 1.896 | 0.220 | 0.202 | 5.238 | 0.394 | 1.816 | 0.124 | 0.265 | 4.546 | 0.366 | 1.694 |
| 19 | PA | Homer City | | 3 | D031223 | 5.367 | 0.139 | 0.146 | 3.580 | 0.268 | 1.264 | 0.133 | 0.338 | 5.367 | 0.442 | 2.022 | 0.116 | 0.232 | 4.067 | 0.328 | 1.529 |
| 20 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 5.064 | 0.213 | 0.083 | 5.064 | 0.277 | 1.304 | 0.165 | 0.106 | 4.013 | 0.254 | 1.199 | 0.119 | 0.159 | 3.238 | 0.262 | 1.236 |
| 21 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 4.923 | 0.355 | 0.068 | 4.923 | 0.394 | 1.816 | 0.228 | 0.033 | 3.004 | 0.243 | 1.153 | 0.147 | 0.023 | 1.969 | 0.160 | 0.769 |
| 22 | OH | Killen Station | 6031 | 2 | D060312 | 4.810 | 0.152 | 0.156 | 3.761 | 0.289 | 1.359 | 0.175 | 0.145 | 4.002 | 0.299 | 1.404 | 0.166 | 0.246 | 4.810 | 0.386 | 1.785 |
| 23 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 4.584 | 0.150 | 0.238 | 4.584 | 0.365 | 1.692 | 0.114 | 0.130 | 2.854 | 0.230 | 1.090 | 0.073 | 0.040 | 1.315 | 0.107 | 0.520 |
| 24 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 4.415 | 0.190 | 0.188 | 4.415 | 0.354 | 1.644 | 0.291 | 0.073 | 4.213 | 0.340 | 1.581 | 0.218 | 0.051 | 3.116 | 0.252 | 1.192 |
| 25 | MI | Trenton Channel | 1745 | 9A | D017459A | 4.221 | 0.192 | 0.058 | 2.903 | 0.234 | 1.109 | 0.309 | 0.055 | 4.221 | 0.339 | 1.581 | 0.192 | 0.030 | 2.557 | 0.207 | 0.988 |
| 26 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 4.204 | 0.210 | 0.052 | 3.011 | 0.246 | 1.163 | 0.280 | 0.088 | 4.204 | 0.343 | 1.596 | 0.259 | 0.042 | 3.473 | 0.280 | 1.319 |
| 27 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 4.128 | 0.123 | 0.176 | 3.631 | 0.281 | 1.324 | 0.118 | 0.146 | 3.236 | 0.248 | 1.175 | 0.103 | 0.249 | 4.128 | 0.332 | 1.550 |
| 28 | PA | Cheswick | 8226 | 1 | D082261 | 4.117 | 0.090 | 0.219 | 4.117 | 0.291 | 1.369 | 0.082 | 0.207 | 3.755 | 0.273 | 1.285 | 0.065 | 0.205 | 3.160 | 0.255 | 1.208 |
| 29 | PA | Brunner Island | 3140 | 3 | D031403 | 3.930 | 0.140 | 0.195 | 3.930 | 0.314 | 1.470 | 0.206 | 0.099 | 3.675 | 0.285 | 1.340 | 0.076 | 0.138 | 2.501 | 0.203 | 0.967 |
| 30 | MI | J H Campbell | | 3 (50%) | D01710M3A | 3.771 | 0.056 | 0.009 | 0.764 | 0.060 | 0.296 | 0.187 | 0.027 | 2.492 | 0.199 | 0.952 | 0.288 | 0.038 | 3.771 | 0.304 | 1.425 |
| 31 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 3.523 | 0.144 | 0.100 | 2.956 | 0.229 | 1.087 | 0.134 | 0.133 | 3.094 | 0.250 | 1.183 | 0.152 | 0.151 | 3.523 | 0.284 | 1.337 |
| 32 | MI | St. Clair | 1743 | 7 | D017437 | 3.488 | 0.270 | 0.023 | 3.488 | 0.273 | 1.286 | 0.228 | 0.049 | 3.187 | 0.258 | 1.219 | 0.166 | 0.034 | 2.299 | 0.187 | 0.893 |
| 33 | MI | St. Clair | 1743 | 6 | D017436 | 3.400 | 0.288 | 0.013 | 3.400 | 0.280 | 1.319 | 0.262 | 0.026 | 3.331 | 0.269 | 1.269 | 0.190 | 0.019 | 2.405 | 0.195 | 0.932 |
| 34 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 3.364 | 0.160 | 0.041 | 2.179 | 0.188 | 0.901 | 0.241 | 0.067 | 3.364 | 0.288 | 1.354 | 0.119 | 0.091 | 2.436 | 0.198 | 0.943 |
| 35 | MI | Belle River | | 2 | D060342 | 3.124 | 0.219 | 0.048 | 3.124 | 0.249 | 1.179 | 0.167 | 0.099 | 3.076 | 0.249 | 1.180 | 0.145 | 0.077 | 2.565 | 0.208 | 0.991 |
| 36 | PA | Montour | 3149 | 1 | D031491 | 3.006 | 0.078 | 0.180 | 3.006 | 0.244 | 1.155 | 0.082 | 0.040 | 1.488 | 0.115 | 0.556 | 0.071 | 0.150 | 2.571 | 0.208 | 0.993 |
| 37 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 2.902 | 0.041 | 0.009 | 0.597 | 0.047 | 0.231 | 0.146 | 0.033 | 2.137 | 0.167 | 0.801 | 0.215 | 0.036 | 2.902 | 0.235 | 1.114 |
| 38 | MI | Belle River | | 1 | D060341 | 2.887 | 0.194 | 0.048 | 2.887 | 0.226 | 1.075 | 0.148 | 0.099 | 2.851 | 0.232 | 1.101 | 0.129 | 0.077 | 2.376 | 0.193 | 0.921 |
| 39 | PA | Montour | 3149 | 2 | D031492 | 2.822 | 0.064 | 0.179 | 2.822 | 0.230 | 1.094 | 0.067 | 0.040 | 1.453 | 0.101 | 0.490 | 0.058 | 0.149 | 2.415 | 0.196 | 0.936 |
| 40 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 2.711 | 0.156 | 0.045 | 2.411 | 0.188 | 0.899 | 0.134 | 0.102 | 2.711 | 0.221 | 1.051 | 0.103 | 0.070 | 2.003 | 0.163 | 0.782 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 2.703 | 0.162 | 0.067 | 2.703 | 0.214 | 1.021 | 0.089 | 0.049 | 1.616 | 0.130 | 0.630 | 0.062 | 0.043 | 1.216 | 0.099 | 0.482 |
| 42 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 2.694 | 0.185 | 0.019 | 2.428 | 0.191 | 0.915 | 0.226 | 0.013 | 2.694 | 0.223 | 1.060 | 0.128 | 0.010 | 1.590 | 0.129 | 0.626 |
| 43 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 2.633 | 0.111 | 0.012 | 1.786 | 0.116 | 0.561 | 0.132 | 0.007 | 1.722 | 0.130 | 0.629 | 0.221 | 0.007 | 2.633 | 0.213 | 1.016 |
| 44 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 2.625 | 0.209 | 0.019 | 2.625 | 0.213 | 1.014 | 0.110 | 0.023 | 1.524 | 0.124 | 0.602 | 0.150 | 0.010 | 1.844 | 0.150 | 0.722 |
| 45 | GA | Yates | | Y6BR | D00728Y6R | 2.593 | 0.218 | 0.005 | 2.593 | 0.209 | 0.994 | 0.115 | 0.016 | 1.488 | 0.123 | 0.595 | 0.161 | 0.010 | 1.975 | 0.160 | 0.771 |
| 46 | IL | Powerton | | 51,52,61,62 | D00879C06 | 2.491 | 0.069 | 0.043 | 1.244 | 0.106 | 0.514 | 0.160 | 0.061 | 2.491 | 0.206 | 0.983 | 0.137 | 0.026 | 1.871 | 0.152 | 0.732 |
| 47 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 2.303 | 0.130 | 0.073 | 2.303 | 0.191 | 0.912 | 0.134 | 0.062 | 2.208 | 0.184 | 0.879 | 0.078 | 0.094 | 1.994 | 0.162 | 0.779 |
| 48 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.270 | 0.154 | 0.042 | 2.270 | 0.183 | 0.878 | 0.131 | 0.029 | 1.837 | 0.149 | 0.719 | 0.130 | 0.028 | 1.822 | 0.148 | 0.714 |
| 49 | IN | Michigan City Generating Station | | 12 | D0099712 | 2.149 | 0.133 | 0.014 | 1.640 | 0.137 | 0.662 | 0.157 | 0.018 | 1.981 | 0.164 | 0.790 | 0.156 | 0.030 | 2.149 | 0.174 | 0.837 |
| 50 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 2.091 | 0.076 | 0.024 | 1.098 | 0.094 | 0.458 | 0.099 | 0.074 | 2.091 | 0.163 | 0.783 | 0.052 | 0.027 | 0.915 | 0.075 | 0.365 |
| 51 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 2.090 | 0.139 | 0.013 | 1.746 | 0.142 | 0.686 | 0.166 | 0.015 | 2.090 | 0.170 | 0.815 | 0.101 | 0.013 | 1.310 | 0.107 | 0.518 |
| 52 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 2.049 | 0.051 | 0.013 | 0.694 | 0.060 | 0.292 | 0.142 | 0.041 | 2.049 | 0.171 | 0.822 | 0.058 | 0.020 | 0.898 | 0.073 | 0.358 |
| 53 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 2.001 | 0.079 | 0.021 | 1.124 | 0.094 | 0.459 | 0.103 | 0.065 | 2.001 | 0.159 | 0.763 | 0.054 | 0.024 | 0.903 | 0.074 | 0.360 |
| 54 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 1.999 | 0.160 | 0.013 | 1.999 | 0.161 | 0.775 | 0.122 | 0.011 | 1.539 | 0.124 | 0.600 | 0.132 | 0.006 | 1.591 | 0.129 | 0.626 |
| 55 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 1.997 | 0.091 | 0.066 | 1.974 | 0.148 | 0.713 | 0.042 | 0.106 | 1.449 | 0.140 | 0.675 | 0.082 | 0.090 | 1.997 | 0.162 | 0.780 |
| 56 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 1.813 | 0.145 | 0.011 | 1.813 | 0.146 | 0.705 | 0.111 | 0.009 | 1.395 | 0.112 | 0.546 | 0.121 | 0.005 | 1.445 | 0.118 | 0.570 |
| 57 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 1.769 | 0.077 | 0.050 | 1.442 | 0.119 | 0.578 | 0.077 | 0.068 | 1.568 | 0.136 | 0.656 | 0.097 | 0.056 | 1.769 | 0.144 | 0.694 |
| 58 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.722 | 0.080 | 0.043 | 1.464 | 0.115 | 0.558 | 0.056 | 0.061 | 1.722 | 0.110 | 0.535 | 0.083 | 0.040 | 1.419 | 0.116 | 0.560 |
| 59 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 1.703 | 0.025 | 0.056 | 1.349 | 0.077 | 0.377 | 0.033 | 0.063 | 1.703 | 0.091 | 0.442 | 0.021 | 0.090 | 1.294 | 0.105 | 0.512 |
| 60 | MD | C P Crane | 1552 | 2 | D015522 | 1.526 | 0.045 | 0.046 | 1.057 | 0.086 | 0.419 | 0.049 | 0.073 | 1.299 | 0.115 | 0.560 | 0.065 | 0.067 | 1.526 | 0.124 | 0.601 |
| 61 | OH | Cardinal | 2828 | 3 | D028283 | 1.426 | 0.043 | 0.048 | 1.426 | 0.086 | 0.419 | 0.022 | 0.070 | 0.828 | 0.088 | 0.429 | 0.038 | 0.077 | 1.343 | 0.109 | 0.531 |
| 62 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 1.379 | 0.110 | 0.011 | 1.379 | 0.113 | 0.547 | 0.081 | 0.008 | 1.029 | 0.084 | 0.410 | 0.045 | 0.005 | 0.573 | 0.047 | 0.230 |
| 63 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 1.378 | 0.028 | 0.040 | 1.088 | 0.065 | 0.317 | 0.036 | 0.045 | 1.378 | 0.077 | 0.375 | 0.023 | 0.063 | 1.004 | 0.082 | 0.400 |
| 64 | MD | Morgantown | 1573 | 1 | D015731 | 1.332 | 0.094 | 0.009 | 1.332 | 0.096 | 0.469 | 0.043 | 0.014 | 0.641 | 0.054 | 0.263 | 0.029 | 0.008 | 0.428 | 0.035 | 0.172 |
| 65 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 1.290 | 0.052 | 0.031 | 1.005 | 0.079 | 0.384 | 0.082 | 0.030 | 1.290 | 0.105 | 0.510 | 0.043 | 0.015 | 0.675 | 0.055 | 0.270 |
| 66 | MD | Brandon Shores | 602 | 2 | D006022 | 1.277 | 0.030 | 0.044 | 1.277 | 0.070 | 0.344 | 0.034 | 0.032 | 0.987 | 0.062 | 0.304 | 0.060 | 0.025 | 0.975 | 0.080 | 0.388 |
| 67 | TX | Big Brown | 3497 | 1 | | 1.238 | 0.099 | 0.007 | 1.209 | 0.099 | 0.481 | 0.050 | 0.002 | 0.592 | 0.048 | 0.237 | 0.103 | 0.004 | 1.238 | 0.101 | 0.491 |
| 68 | MD | Brandon Shores | 602 | 1 | D006021 | 1.235 | 0.032 | 0.033 | 1.235 | 0.062 | 0.305 | 0.037 | 0.024 | 0.958 | 0.057 | 0.280 | 0.065 | 0.018 | 0.961 | 0.078 | 0.383 |
| 69 | OH | J M Stuart | 2850 | 4 | D028404 | 1.197 | 0.054 | 0.040 | 1.179 | 0.089 | 0.432 | 0.061 | 0.030 | 1.197 | 0.085 | 0.416 | 0.044 | 0.055 | 1.146 | 0.093 | 0.455 |
| 70 | TX | Big Brown | 3497 | 2 | | 1.191 | 0.095 | 0.007 | 1.162 | 0.095 | 0.464 | 0.048 | 0.002 | 0.570 | 0.046 | 0.228 | 0.099 | 0.005 | 1.191 | 0.097 | 0.472 |
| 71 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 1.182 | 0.055 | 0.029 | 0.955 | 0.079 | 0.387 | 0.055 | 0.040 | 1.020 | 0.090 | 0.437 | 0.069 | 0.033 | 1.182 | 0.096 | 0.469 |
| 72 | KY | Mill Creek | 1364 | 4 | D013644 | 1.126 | 0.009 | 0.026 | 0.752 | 0.034 | 0.167 | 0.014 | 0.040 | 1.126 | 0.051 | 0.253 | 0.007 | 0.053 | 0.709 | 0.058 | 0.284 |
| 73 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 1.126 | 0.105 | 0.001 | 1.126 | 0.100 | 0.485 | 0.061 | 0.002 | 0.735 | 0.059 | 0.291 | 0.075 | 0.002 | 0.883 | 0.072 | 0.352 |
| 74 | KY | Paradise | 1378 | 2 | D013782 | 1.117 | 0.039 | 0.020 | 0.657 | 0.055 | 0.270 | 0.075 | 0.018 | 1.117 | 0.087 | 0.424 | 0.044 | 0.018 | 0.713 | 0.058 | 0.285 |
| 75 | MI | Monroe | 1733 | 1,2 | D01733C12 | 1.064 | 0.015 | 0.033 | 0.782 | 0.046 | 0.224 | 0.019 | 0.055 | 1.060 | 0.070 | 0.340 | 0.015 | 0.076 | 1.064 | 0.087 | 0.423 |
| 76 | MI | J C Weadock | | 7, 8 | D01720C09 | 1.061 | 0.076 | 0.015 | 1.048 | 0.086 | 0.418 | 0.073 | 0.019 | 1.061 | 0.086 | 0.421 | 0.071 | 0.016 | 1.010 | 0.082 | 0.402 |
| 77 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 1.029 | 0.071 | 0.016 | 1.029 | 0.082 | 0.402 | 0.055 | 0.009 | 0.758 | 0.060 | 0.295 | 0.032 | 0.011 | 0.491 | 0.040 | 0.197 |
| 78 | NJ | B L England | 2378 | 2,3 | x12 | 1.015 | 0.015 | 0.014 | 0.324 | 0.027 | 0.132 | 0.027 | 0.064 | 1.015 | 0.086 | 0.421 | 0.018 | 0.014 | 0.371 | 0.030 | 0.150 |
| 79 | IA | George Neal South | | 4 | D073434 | 0.992 | 0.044 | 0.029 | 0.847 | 0.069 | 0.339 | 0.058 | 0.024 | 0.992 | 0.077 | 0.376 | 0.024 | 0.015 | 0.451 | 0.037 | 0.182 |
| 80 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.988 | 0.046 | 0.013 | 0.592 | 0.055 | 0.271 | 0.075 | 0.022 | 0.988 | 0.091 | 0.444 | 0.027 | 0.015 | 0.479 | 0.039 | 0.193 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | MO | Sibley | | 1, 2, 3 | D02094C01 | 0.919 | 0.051 | 0.039 | 0.919 | 0.085 | 0.413 | 0.044 | 0.026 | 0.756 | 0.066 | 0.322 | 0.031 | 0.013 | 0.499 | 0.041 | 0.201 |
| 82 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 0.899 | 0.020 | 0.009 | 0.340 | 0.027 | 0.134 | 0.045 | 0.034 | 0.899 | 0.074 | 0.363 | 0.030 | 0.019 | 0.572 | 0.047 | 0.230 |
| 83 | KY | Paradise | 1378 | 1 | D01720C09 | 0.892 | 0.031 | 0.017 | 0.531 | 0.044 | 0.219 | 0.060 | 0.015 | 0.892 | 0.070 | 0.341 | 0.035 | 0.015 | 0.574 | 0.047 | 0.230 |
| 84 | MD | C P Crane | 1552 | 1 | D015521 | 0.887 | 0.023 | 0.030 | 0.614 | 0.050 | 0.245 | 0.024 | 0.048 | 0.753 | 0.069 | 0.336 | 0.032 | 0.044 | 0.887 | 0.072 | 0.354 |
| 85 | ME | William F Wyman | 1507 | 4 | D015074 | 0.884 | 0.008 | 0.002 | 0.116 | 0.009 | 0.046 | 0.022 | 0.003 | 0.302 | 0.024 | 0.117 | 0.058 | 0.019 | 0.884 | 0.072 | 0.353 |
| 86 | TX | Martin Lake | 6146 | 1 | | 0.853 | 0.064 | 0.010 | 0.853 | 0.070 | 0.343 | 0.032 | 0.003 | 0.404 | 0.033 | 0.163 | 0.067 | 0.007 | 0.851 | 0.069 | 0.340 |
| 87 | KY | Paradise | 1378 | 3 | D013783 | 0.844 | 0.025 | 0.033 | 0.693 | 0.055 | 0.271 | 0.048 | 0.031 | 0.837 | 0.075 | 0.365 | 0.034 | 0.039 | 0.844 | 0.069 | 0.337 |
| 88 | MO | Labadie | | 4 | D021034 | 0.835 | 0.026 | 0.006 | 0.356 | 0.029 | 0.145 | 0.064 | 0.009 | 0.835 | 0.068 | 0.332 | 0.035 | 0.006 | 0.473 | 0.039 | 0.190 |
| 89 | TX | Monticello | 6147 | 1 | | 0.828 | 0.066 | 0.006 | 0.818 | 0.067 | 0.326 | 0.033 | 0.002 | 0.394 | 0.032 | 0.159 | 0.068 | 0.004 | 0.828 | 0.068 | 0.331 |
| 90 | IA | Ottumwa | | 1 | D062541 | 0.826 | 0.024 | 0.018 | 0.465 | 0.039 | 0.193 | 0.042 | 0.032 | 0.826 | 0.070 | 0.343 | 0.027 | 0.017 | 0.508 | 0.041 | 0.204 |
| 91 | TX | Martin Lake | 6146 | 3 | | 0.809 | 0.061 | 0.010 | 0.809 | 0.066 | 0.325 | 0.031 | 0.003 | 0.383 | 0.031 | 0.154 | 0.063 | 0.007 | 0.806 | 0.066 | 0.322 |
| 92 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33% | D02535C01 | 0.696 | 0.015 | 0.004 | 0.217 | 0.018 | 0.087 | 0.044 | 0.018 | 0.696 | 0.059 | 0.288 | 0.043 | 0.012 | 0.630 | 0.051 | 0.253 |
| 93 | TX | Martin Lake | 6146 | 2 | | 0.663 | 0.049 | 0.010 | 0.662 | 0.055 | 0.271 | 0.025 | 0.003 | 0.315 | 0.026 | 0.127 | 0.051 | 0.007 | 0.663 | 0.054 | 0.266 |
| 94 | PA | Martins Creek | 3148 | 3,4 | x21 | 0.637 | 0.001 | 0.076 | 0.637 | 0.074 | 0.362 | 0.001 | 0.049 | 0.472 | 0.048 | 0.238 | 0.002 | 0.029 | 0.360 | 0.029 | 0.145 |
| 95 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.579 | 0.013 | 0.008 | 0.228 | 0.019 | 0.094 | 0.042 | 0.015 | 0.579 | 0.054 | 0.264 | 0.017 | 0.011 | 0.327 | 0.027 | 0.132 |
| 96 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.533 | 0.019 | 0.014 | 0.346 | 0.031 | 0.151 | 0.029 | 0.021 | 0.533 | 0.047 | 0.231 | 0.019 | 0.011 | 0.336 | 0.027 | 0.135 |
| 97 | MA | Brayton Point | 1619 | 4 | x07 | 0.527 | 0.035 | 0.006 | 0.474 | 0.039 | 0.190 | 0.021 | 0.005 | 0.301 | 0.025 | 0.121 | 0.037 | 0.009 | 0.527 | 0.043 | 0.212 |
| 98 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.500 | 0.005 | 0.029 | 0.404 | 0.033 | 0.162 | 0.007 | 0.034 | 0.500 | 0.039 | 0.192 | 0.002 | 0.014 | 0.186 | 0.015 | 0.075 |
| 99 | NH | Newington | 8002 | 1 | D080021 | 0.459 | 0.007 | 0.002 | 0.123 | 0.009 | 0.044 | 0.009 | 0.002 | 0.149 | 0.010 | 0.051 | 0.024 | 0.016 | 0.459 | 0.038 | 0.185 |
| 100 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.447 | 0.017 | 0.007 | 0.447 | 0.023 | 0.112 | 0.010 | 0.018 | 0.285 | 0.027 | 0.131 | 0.012 | 0.017 | 0.331 | 0.027 | 0.133 |
| 101 | OK | Grand River Dam Authority | | 1 | D001651 | 0.442 | 0.022 | 0.000 | 0.211 | 0.021 | 0.102 | 0.052 | 0.000 | 0.442 | 0.049 | 0.242 | 0.021 | 0.000 | 0.247 | 0.020 | 0.100 |
| 102 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.437 | 0.018 | 0.006 | 0.437 | 0.023 | 0.111 | 0.010 | 0.017 | 0.274 | 0.026 | 0.126 | 0.012 | 0.016 | 0.320 | 0.026 | 0.129 |
| 103 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.389 | 0.004 | 0.022 | 0.389 | 0.025 | 0.121 | 0.003 | 0.024 | 0.355 | 0.026 | 0.126 | 0.003 | 0.029 | 0.381 | 0.031 | 0.153 |
| 104 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.373 | 0.027 | 0.006 | 0.373 | 0.031 | 0.152 | 0.023 | 0.006 | 0.337 | 0.027 | 0.135 | 0.023 | 0.006 | 0.324 | 0.026 | 0.131 |
| 105 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.371 | 0.003 | 0.023 | 0.371 | 0.025 | 0.121 | 0.002 | 0.024 | 0.311 | 0.025 | 0.122 | 0.002 | 0.025 | 0.321 | 0.026 | 0.129 |
| 106 | GA | Scherer | | 4 | D062574 | 0.366 | 0.004 | 0.014 | 0.366 | 0.017 | 0.082 | 0.002 | 0.013 | 0.248 | 0.015 | 0.074 | 0.002 | 0.013 | 0.165 | 0.013 | 0.067 |
| 107 | GA | Scherer | | 1 | D062571 | 0.364 | 0.003 | 0.015 | 0.364 | 0.016 | 0.081 | 0.002 | 0.014 | 0.248 | 0.015 | 0.073 | 0.001 | 0.013 | 0.165 | 0.014 | 0.067 |
| 108 | VA | Bremo Power Station | | 4 | D037964 | 0.337 | 0.000 | 0.031 | 0.337 | 0.030 | 0.147 | 0.000 | 0.016 | 0.244 | 0.015 | 0.074 | 0.000 | 0.013 | 0.154 | 0.013 | 0.062 |
| 109 | DE | Indian River | 594 | 4 | D005944 | 0.319 | 0.008 | 0.002 | 0.121 | 0.009 | 0.046 | 0.026 | 0.002 | 0.319 | 0.026 | 0.127 | 0.021 | 0.001 | 0.243 | 0.020 | 0.098 |
| 110 | NH | Merrimack | 2364 | 2 | D023642 | 0.317 | 0.004 | 0.002 | 0.113 | 0.006 | 0.030 | 0.007 | 0.003 | 0.192 | 0.010 | 0.047 | 0.011 | 0.016 | 0.317 | 0.026 | 0.128 |
| 111 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.305 | 0.023 | 0.005 | 0.305 | 0.026 | 0.127 | 0.014 | 0.006 | 0.242 | 0.019 | 0.096 | 0.016 | 0.006 | 0.251 | 0.021 | 0.102 |
| 112 | GA | Scherer | | 2 | D062572 | 0.281 | 0.002 | 0.011 | 0.281 | 0.012 | 0.061 | 0.001 | 0.011 | 0.191 | 0.011 | 0.055 | 0.001 | 0.010 | 0.127 | 0.010 | 0.051 |
| 113 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.270 | 0.014 | 0.011 | 0.270 | 0.024 | 0.119 | 0.011 | 0.005 | 0.183 | 0.015 | 0.072 | 0.010 | 0.005 | 0.176 | 0.014 | 0.071 |
| 114 | MA | Canal Station | 1599 | 1 | D015991 | 0.247 | 0.015 | 0.002 | 0.192 | 0.016 | 0.077 | 0.018 | 0.002 | 0.226 | 0.018 | 0.090 | 0.019 | 0.003 | 0.247 | 0.020 | 0.100 |
| 115 | MA | Canal Station | 1599 | 2 | D015992 | 0.228 | 0.014 | 0.003 | 0.194 | 0.016 | 0.078 | 0.010 | 0.003 | 0.152 | 0.012 | 0.061 | 0.015 | 0.005 | 0.228 | 0.019 | 0.092 |
| 116 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.220 | 0.014 | 0.005 | 0.220 | 0.018 | 0.088 | 0.008 | 0.004 | 0.139 | 0.011 | 0.056 | 0.008 | 0.005 | 0.142 | 0.012 | 0.057 |
| 117 | WI | Columbia | | 1 | D080231 | 0.179 | 0.005 | 0.014 | 0.155 | 0.018 | 0.088 | 0.006 | 0.015 | 0.179 | 0.020 | 0.098 | 0.006 | 0.008 | 0.158 | 0.013 | 0.064 |
| 118 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.175 | 0.010 | 0.006 | 0.175 | 0.015 | 0.072 | 0.008 | 0.003 | 0.129 | 0.011 | 0.052 | 0.008 | 0.003 | 0.125 | 0.010 | 0.051 |
| 119 | WI | Columbia | | 2 | D080232 | 0.173 | 0.005 | 0.012 | 0.157 | 0.016 | 0.080 | 0.006 | 0.013 | 0.173 | 0.017 | 0.085 | 0.006 | 0.008 | 0.164 | 0.013 | 0.066 |
| 120 | GA | Yates | | Y7BR | D00728Y7R | 0.159 | 0.000 | 0.005 | 0.159 | 0.005 | 0.026 | 0.000 | 0.017 | 0.092 | 0.016 | 0.079 | 0.000 | 0.010 | 0.122 | 0.010 | 0.049 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | NH | Merrimack | 2364 | 1 | D023641 | 0.120 | 0.002 | 0.001 | 0.043 | 0.002 | 0.011 | 0.003 | 0.001 | 0.073 | 0.003 | 0.017 | 0.004 | 0.006 | 0.120 | 0.010 | 0.049 |
| 122 | MA | Brayton Point | 1619 | 2 | D016192 | 0.093 | 0.004 | 0.003 | 0.093 | 0.006 | 0.030 | 0.003 | 0.003 | 0.069 | 0.005 | 0.025 | 0.003 | 0.004 | 0.089 | 0.007 | 0.036 |
| 123 | NH | Schiller | 2367 | 4 | | 0.091 | 0.002 | 0.000 | 0.026 | 0.002 | 0.010 | 0.003 | 0.000 | 0.040 | 0.003 | 0.016 | 0.006 | 0.002 | 0.091 | 0.007 | 0.037 |
| 124 | NH | Schiller | 2367 | 6 | | 0.088 | 0.002 | 0.000 | 0.025 | 0.002 | 0.010 | 0.003 | 0.000 | 0.039 | 0.003 | 0.016 | 0.006 | 0.002 | 0.088 | 0.007 | 0.036 |
| 125 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.078 | 0.002 | 0.003 | 0.060 | 0.004 | 0.021 | 0.002 | 0.005 | 0.074 | 0.007 | 0.034 | 0.002 | 0.004 | 0.078 | 0.006 | 0.032 |
| 126 | MA | Brayton Point | 1619 | 3 | D016193 | 0.073 | 0.004 | 0.001 | 0.072 | 0.005 | 0.025 | 0.003 | 0.001 | 0.047 | 0.004 | 0.019 | 0.004 | 0.002 | 0.073 | 0.006 | 0.030 |
| 127 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.067 | 0.002 | 0.002 | 0.053 | 0.004 | 0.019 | 0.002 | 0.004 | 0.063 | 0.006 | 0.030 | 0.002 | 0.003 | 0.067 | 0.005 | 0.027 |
| 128 | MA | Brayton Point | 1619 | 1 | D016191 | 0.058 | 0.004 | 0.001 | 0.058 | 0.004 | 0.021 | 0.003 | 0.001 | 0.042 | 0.003 | 0.016 | 0.003 | 0.001 | 0.052 | 0.004 | 0.021 |
| 129 | KS | La Cygne | 1241 | 1 | | 0.051 | 0.004 | 0.000 | 0.051 | 0.004 | 0.019 | 0.004 | 0.000 | 0.044 | 0.004 | 0.019 | 0.003 | 0.000 | 0.036 | 0.003 | 0.015 |
| 130 | KS | La Cygne | | 2 | D012412 | 0.014 | 0.001 | 0.000 | 0.011 | 0.001 | 0.004 | 0.001 | 0.000 | 0.014 | 0.001 | 0.006 | 0.001 | 0.000 | 0.013 | 0.001 | 0.005 |

## F.17 2011 EGU Ranking Visibility Impairing Sources to James River Face

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 80.720 | 2.322 | 0.525 | 32.940 | 2.500 | 6.950 | 5.597 | 0.834 | 80.720 | 5.267 | 12.412 | 4.025 | 0.697 | 57.032 | 3.991 | 10.072 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 32.355 | 1.617 | 0.158 | 20.211 | 1.598 | 4.799 | 1.624 | 0.206 | 20.826 | 1.645 | 4.914 | 2.596 | 0.171 | 32.355 | 2.445 | 6.861 |
| 3 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 18.466 | 1.292 | 0.135 | 16.102 | 1.294 | 3.992 | 1.301 | 0.335 | 18.466 | 1.480 | 4.464 | 0.788 | 0.295 | 12.082 | 0.997 | 3.135 |
| 4 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 17.150 | 1.266 | 0.132 | 15.772 | 1.269 | 3.925 | 1.018 | 0.092 | 12.431 | 1.013 | 3.212 | 1.407 | 0.108 | 17.150 | 1.371 | 4.204 |
| 5 | PA | Homer City | 3122 | 2 | D031222 | 9.719 | 0.292 | 0.054 | 3.808 | 0.323 | 1.098 | 0.830 | 0.042 | 9.719 | 0.799 | 2.594 | 0.590 | 0.051 | 7.096 | 0.591 | 1.958 |
| 6 | PA | Homer City | 3122 | 1 | D031221 | 9.622 | 0.292 | 0.044 | 3.695 | 0.313 | 1.067 | 0.829 | 0.034 | 9.622 | 0.791 | 2.571 | 0.589 | 0.042 | 6.982 | 0.581 | 1.929 |
| 7 | OH | Muskingum River | 2872 | 5 | D028725 | 9.121 | 0.476 | 0.023 | 5.500 | 0.460 | 1.550 | 0.476 | 0.027 | 5.550 | 0.464 | 1.563 | 0.792 | 0.027 | 9.121 | 0.751 | 2.453 |
| 8 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 9.034 | 0.737 | 0.076 | 9.034 | 0.747 | 2.432 | 0.265 | 0.087 | 3.871 | 0.330 | 1.115 | 0.361 | 0.057 | 4.604 | 0.388 | 1.313 |
| 9 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 8.994 | 0.572 | 0.097 | 7.412 | 0.619 | 2.036 | 0.711 | 0.099 | 8.994 | 0.745 | 2.422 | 0.286 | 0.104 | 4.295 | 0.366 | 1.230 |
| 10 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 8.934 | 0.687 | 0.117 | 8.934 | 0.741 | 2.408 | 0.376 | 0.125 | 5.535 | 0.469 | 1.559 | 0.486 | 0.102 | 6.500 | 0.545 | 1.807 |
| 11 | MI | Monroe | 1733 | 1,2 | D01733C12 | 8.644 | 0.557 | 0.165 | 7.994 | 0.669 | 2.180 | 0.558 | 0.213 | 8.550 | 0.716 | 2.316 | 0.467 | 0.312 | 8.644 | 0.729 | 2.338 |
| 12 | IN | Tanners Creek | 988 | U4 | D00988U4 | 8.258 | 0.640 | 0.105 | 8.258 | 0.687 | 2.245 | 0.294 | 0.077 | 4.082 | 0.347 | 1.172 | 0.445 | 0.067 | 5.658 | 0.475 | 1.591 |
| 13 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 8.055 | 0.416 | 0.291 | 7.840 | 0.664 | 2.142 | 0.453 | 0.213 | 7.366 | 0.622 | 2.025 | 0.466 | 0.261 | 8.055 | 0.679 | 2.195 |
| 14 | OH | Eastlake | | 5 | D028375 | 7.562 | 0.593 | 0.090 | 7.562 | 0.630 | 2.074 | 0.301 | 0.071 | 4.092 | 0.347 | 1.175 | 0.378 | 0.123 | 5.526 | 0.468 | 1.556 |
| 15 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 7.518 | 0.566 | 0.088 | 7.231 | 0.603 | 1.991 | 0.430 | 0.078 | 5.598 | 0.471 | 1.575 | 0.598 | 0.081 | 7.518 | 0.626 | 2.063 |
| 16 | PA | Cheswick | 8226 | 1 | D082261 | 7.255 | 0.254 | 0.109 | 4.005 | 0.342 | 1.151 | 0.584 | 0.072 | 7.255 | 0.604 | 1.997 | 0.238 | 0.095 | 3.665 | 0.313 | 1.059 |
| 17 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 6.977 | 0.314 | 0.120 | 4.788 | 0.407 | 1.362 | 0.396 | 0.147 | 5.994 | 0.507 | 1.678 | 0.506 | 0.124 | 6.977 | 0.585 | 1.928 |
| 18 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 6.799 | 0.511 | 0.057 | 6.284 | 0.525 | 1.752 | 0.411 | 0.039 | 4.956 | 0.416 | 1.407 | 0.568 | 0.047 | 6.799 | 0.566 | 1.883 |
| 19 | WV | Harrison Power Station | | 1 (25%), 2 (2( | D03944C01 | 6.680 | 0.255 | 0.329 | 6.494 | 0.558 | 1.806 | 0.081 | 0.274 | 3.963 | 0.349 | 1.140 | 0.165 | 0.434 | 6.680 | 0.579 | 1.853 |
| 20 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 6.651 | 0.540 | 0.038 | 6.394 | 0.533 | 1.780 | 0.529 | 0.073 | 6.651 | 0.556 | 1.845 | 0.447 | 0.050 | 5.481 | 0.460 | 1.545 |
| 21 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 5.766 | 0.210 | 0.040 | 2.740 | 0.233 | 0.802 | 0.445 | 0.077 | 5.766 | 0.485 | 1.619 | 0.424 | 0.053 | 5.253 | 0.441 | 1.485 |
| 22 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 5.681 | 0.207 | 0.039 | 2.699 | 0.230 | 0.790 | 0.439 | 0.076 | 5.681 | 0.478 | 1.597 | 0.418 | 0.052 | 5.178 | 0.435 | 1.465 |
| 23 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 5.556 | 0.434 | 0.048 | 5.314 | 0.446 | 1.501 | 0.330 | 0.044 | 4.108 | 0.347 | 1.180 | 0.459 | 0.045 | 5.556 | 0.466 | 1.564 |
| 24 | PA | Keystone | 3136 | 1 | D031361 | 5.437 | 0.165 | 0.115 | 3.088 | 0.267 | 0.899 | 0.404 | 0.089 | 5.437 | 0.458 | 1.533 | 0.257 | 0.145 | 4.432 | 0.380 | 1.267 |
| 25 | PA | Keystone | 3136 | 2 | D031362 | 5.412 | 0.164 | 0.114 | 3.072 | 0.265 | 0.895 | 0.402 | 0.088 | 5.412 | 0.456 | 1.526 | 0.256 | 0.144 | 4.409 | 0.378 | 1.261 |
| 26 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 5.367 | 0.220 | 0.037 | 2.818 | 0.240 | 0.824 | 0.189 | 0.061 | 2.749 | 0.235 | 0.805 | 0.352 | 0.135 | 5.367 | 0.455 | 1.515 |
| 27 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 4.990 | 0.400 | 0.053 | 4.990 | 0.420 | 1.416 | 0.369 | 0.049 | 4.596 | 0.387 | 1.311 | 0.325 | 0.074 | 4.390 | 0.372 | 1.255 |
| 28 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 4.615 | 0.346 | 0.073 | 4.615 | 0.390 | 1.316 | 0.320 | 0.090 | 4.517 | 0.383 | 1.290 | | | | | |
| 29 | VA | Bremo Power Station | | 4 | D037964 | 4.591 | 0.172 | 0.096 | 2.950 | 0.254 | 0.861 | 0.290 | 0.126 | 4.591 | 0.392 | 1.309 | 0.168 | 0.060 | 2.495 | 0.214 | 0.733 |
| 30 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 4.469 | 0.287 | 0.038 | 3.572 | 0.302 | 1.033 | 0.347 | 0.059 | 4.469 | 0.378 | 1.277 | 0.204 | 0.062 | 2.915 | 0.249 | 0.851 |
| 31 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 4.443 | 0.360 | 0.044 | 4.443 | 0.374 | 1.270 | 0.117 | 0.047 | 1.800 | 0.155 | 0.534 | 0.179 | 0.038 | 2.378 | 0.203 | 0.700 |
| 32 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 4.288 | 0.179 | 0.035 | 2.345 | 0.200 | 0.690 | 0.244 | 0.065 | 3.399 | 0.290 | 0.985 | 0.285 | 0.105 | 4.288 | 0.365 | 1.228 |
| 33 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 4.243 | 0.057 | 0.112 | 1.862 | 0.164 | 0.552 | 0.138 | 0.244 | 4.243 | 0.370 | 1.216 | 0.093 | 0.133 | 2.495 | 0.219 | 0.733 |
| 34 | OH | Cardinal | 2828 | 3 | D028283 | 4.189 | 0.279 | 0.020 | 3.279 | 0.277 | 0.952 | 0.249 | 0.027 | 3.036 | 0.257 | 0.885 | 0.348 | 0.033 | 4.189 | 0.353 | 1.201 |
| 35 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 4.093 | 0.053 | 0.009 | 0.683 | 0.059 | 0.206 | 0.355 | 0.017 | 4.093 | 0.344 | 1.175 | 0.138 | 0.012 | 1.647 | 0.140 | 0.490 |
| 36 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 4.022 | 0.133 | 0.111 | 2.686 | 0.233 | 0.787 | 0.122 | 0.113 | 2.586 | 0.225 | 0.758 | 0.196 | 0.168 | 4.022 | 0.347 | 1.156 |
| 37 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 3.914 | 0.235 | 0.059 | 3.228 | 0.275 | 0.938 | 0.234 | 0.121 | 3.914 | 0.336 | 1.127 | 0.156 | 0.051 | 2.269 | 0.195 | 0.669 |
| 38 | MD | Morgantown | 1573 | 1 | D015731 | 3.704 | 0.324 | 0.013 | 3.704 | 0.312 | 1.069 | 0.306 | 0.012 | 3.488 | 0.294 | 1.010 | 0.313 | 0.014 | 3.596 | 0.303 | 1.040 |
| 39 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 3.652 | 0.117 | 0.083 | 2.204 | 0.191 | 0.650 | 0.183 | 0.079 | 2.885 | 0.248 | 0.843 | 0.201 | 0.130 | 3.652 | 0.314 | 1.055 |
| 40 | NC | L V Sutton | | 3 | D027133 | 3.581 | 0.244 | 0.082 | 3.581 | 0.306 | 1.036 | 0.093 | 0.036 | 1.416 | 0.122 | 0.422 | 0.069 | 0.018 | 0.955 | 0.082 | 0.287 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 3.554 | 0.318 | 0.006 | **3.554** | 0.299 | **1.028** | 0.310 | 0.006 | **3.471** | 0.292 | **1.006** | 0.220 | 0.005 | **2.461** | 0.208 | 0.723 |
| 42 | WV | Albright Power Station | 3942 | 3 | D039423 | 3.360 | 0.274 | 0.032 | **3.360** | 0.284 | 0.975 | 0.107 | 0.032 | **1.521** | 0.131 | 0.453 | 0.152 | 0.030 | **1.994** | 0.170 | 0.590 |
| 43 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 3.285 | 0.293 | 0.006 | **3.285** | 0.277 | 0.954 | 0.286 | 0.007 | **3.210** | 0.270 | 0.933 | 0.203 | 0.006 | **2.278** | 0.193 | 0.671 |
| 44 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 3.227 | 0.118 | 0.078 | **2.162** | 0.187 | 0.638 | 0.109 | 0.079 | **2.062** | 0.179 | 0.609 | 0.174 | 0.118 | **3.227** | 0.279 | 0.938 |
| 45 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 3.166 | 0.237 | 0.025 | **2.872** | 0.243 | 0.839 | 0.231 | 0.026 | **2.819** | 0.239 | 0.824 | 0.261 | 0.027 | **3.166** | 0.268 | 0.921 |
| 46 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 3.107 | 0.187 | 0.095 | **3.107** | 0.267 | 0.905 | 0.184 | 0.097 | **3.095** | 0.266 | 0.901 | 0.190 | 0.068 | **2.838** | 0.243 | 0.829 |
| 47 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 3.089 | 0.050 | 0.163 | **2.362** | 0.209 | 0.695 | 0.092 | 0.187 | **3.089** | 0.271 | 0.900 | 0.055 | 0.198 | **2.812** | 0.249 | 0.822 |
| 48 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 3.069 | 0.197 | 0.076 | **3.008** | 0.258 | 0.877 | 0.116 | 0.040 | **1.707** | 0.147 | 0.507 | 0.084 | 0.193 | **3.069** | 0.270 | 0.894 |
| 49 | MD | C P Crane | 1552 | 2 | D015522 | 3.028 | 0.085 | 0.021 | **1.157** | 0.100 | 0.347 | 0.179 | 0.096 | **3.028** | 0.261 | 0.883 | 0.053 | 0.023 | 0.827 | 0.072 | 0.249 |
| 50 | PA | Portland | | 3 (2) | d031132 | 3.023 | 0.068 | 0.008 | 0.821 | 0.070 | 0.247 | 0.071 | 0.010 | 0.892 | 0.076 | 0.268 | 0.230 | 0.046 | **3.023** | 0.257 | 0.881 |
| 51 | MI | St. Clair | 1743 | 7 | D017437 | 3.019 | 0.246 | 0.029 | **3.019** | 0.256 | 0.880 | 0.218 | 0.031 | **2.731** | 0.232 | 0.799 | 0.162 | 0.029 | **2.091** | 0.179 | 0.618 |
| 52 | GA | Yates | | Y6BR | D00728Y6R | 3.007 | 0.263 | 0.011 | **3.007** | 0.254 | 0.877 | 0.179 | 0.008 | **2.049** | 0.174 | 0.606 | 0.249 | 0.010 | **2.839** | 0.240 | 0.830 |
| 53 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 2.977 | 0.190 | 0.081 | **2.977** | 0.256 | 0.868 | 0.151 | 0.080 | **2.547** | 0.220 | 0.748 | 0.136 | 0.096 | **2.561** | 0.222 | 0.751 |
| 54 | KY | Paradise | 1378 | 3 | D013783 | 2.964 | 0.045 | 0.080 | **1.380** | 0.122 | 0.412 | 0.145 | 0.123 | **2.964** | 0.257 | 0.865 | 0.072 | 0.119 | **2.113** | 0.186 | 0.624 |
| 55 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 2.959 | 0.107 | 0.032 | **1.520** | 0.131 | 0.453 | 0.227 | 0.043 | **2.959** | 0.252 | 0.863 | 0.135 | 0.036 | **1.877** | 0.161 | 0.556 |
| 56 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.913 | 0.226 | 0.040 | **2.913** | 0.248 | 0.851 | 0.181 | 0.033 | **2.340** | 0.200 | 0.689 | 0.193 | 0.053 | **2.701** | 0.231 | 0.791 |
| 57 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 2.909 | 0.198 | 0.066 | **2.909** | 0.249 | 0.849 | 0.091 | 0.051 | **1.554** | 0.135 | 0.463 | 0.144 | 0.046 | **2.083** | 0.179 | 0.615 |
| 58 | KY | Paradise | 1378 | 2 | D013782 | 2.886 | 0.074 | 0.016 | 0.987 | 0.085 | 0.296 | 0.242 | 0.022 | **2.886** | 0.244 | 0.843 | 0.122 | 0.017 | **1.520** | 0.130 | 0.453 |
| 59 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 2.819 | 0.228 | 0.027 | **2.795** | 0.237 | 0.817 | 0.204 | 0.025 | **2.505** | 0.213 | 0.736 | 0.228 | 0.029 | **2.819** | 0.239 | 0.824 |
| 60 | PA | Brunner Island | 3140 | 3 | D031403 | 2.792 | 0.199 | 0.055 | **2.792** | 0.239 | 0.817 | 0.119 | 0.038 | **1.727** | 0.149 | 0.513 | 0.075 | 0.117 | **2.124** | 0.187 | 0.627 |
| 61 | MD | C P Crane | 1552 | 1 | D015521 | 2.723 | 0.077 | 0.019 | **1.044** | 0.090 | 0.313 | 0.162 | 0.085 | **2.723** | 0.235 | 0.797 | 0.048 | 0.020 | 0.745 | 0.065 | 0.224 |
| 62 | IL | Powerton | | 51,52,61,62 | D00879C06 | 2.663 | 0.099 | 0.053 | **1.677** | 0.145 | 0.498 | 0.172 | 0.070 | **2.663** | 0.229 | 0.780 | 0.131 | 0.037 | **1.834** | 0.157 | 0.544 |
| 63 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 2.610 | 0.135 | 0.032 | **1.832** | 0.157 | 0.543 | 0.218 | 0.020 | **2.610** | 0.221 | 0.765 | 0.139 | 0.035 | **1.907** | 0.163 | 0.565 |
| 64 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 2.604 | 0.162 | 0.035 | **2.151** | 0.184 | 0.635 | 0.167 | 0.070 | **2.604** | 0.224 | 0.764 | 0.108 | 0.073 | **1.991** | 0.173 | 0.589 |
| 65 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 2.600 | 0.073 | 0.073 | **1.613** | 0.141 | 0.480 | 0.101 | 0.126 | **2.517** | 0.220 | 0.739 | 0.094 | 0.141 | **2.600** | 0.228 | 0.762 |
| 66 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33 | D02535C01 | 2.591 | 0.109 | 0.013 | **1.337** | 0.114 | 0.399 | 0.204 | 0.032 | **2.591** | 0.220 | 0.760 | 0.139 | 0.014 | **1.675** | 0.143 | 0.498 |
| 67 | KY | Paradise | 1378 | 1 | D01720C09 | 2.542 | 0.065 | 0.016 | 0.879 | 0.076 | 0.264 | 0.211 | 0.021 | **2.542** | 0.216 | 0.746 | 0.106 | 0.017 | **1.345** | 0.115 | 0.402 |
| 68 | GA | Scherer | | 4 | D062574 | 2.504 | 0.208 | 0.020 | **2.504** | 0.212 | 0.735 | 0.081 | 0.021 | **1.122** | 0.096 | 0.336 | 0.117 | 0.023 | **1.535** | 0.131 | 0.457 |
| 69 | OH | Killen Station | 6031 | 2 | D060312 | 2.494 | 0.150 | 0.072 | **2.441** | 0.210 | 0.717 | 0.133 | 0.054 | **2.051** | 0.177 | 0.606 | 0.127 | 0.099 | **2.494** | 0.216 | 0.733 |
| 70 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 2.489 | 0.214 | 0.013 | **2.489** | 0.211 | 0.731 | 0.116 | 0.014 | **1.415** | 0.121 | 0.422 | 0.195 | 0.015 | **2.296** | 0.195 | 0.676 |
| 71 | GA | Scherer | | 1 | D062571 | 2.455 | 0.202 | 0.022 | **2.455** | 0.209 | 0.721 | 0.079 | 0.023 | **1.122** | 0.097 | 0.336 | 0.114 | 0.026 | **1.526** | 0.131 | 0.454 |
| 72 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 2.454 | 0.079 | 0.019 | **1.071** | 0.092 | 0.321 | 0.172 | 0.051 | **2.454** | 0.210 | 0.721 | 0.066 | 0.015 | 0.888 | 0.076 | 0.267 |
| 73 | VA | Chesapeake Energy Center | | 4 | D038034 | 2.438 | 0.145 | 0.035 | **1.980** | 0.170 | 0.586 | 0.147 | 0.074 | **2.438** | 0.210 | 0.717 | 0.129 | 0.036 | **1.811** | 0.155 | 0.537 |
| 74 | GA | Scherer | | 2 | D062572 | 2.434 | 0.202 | 0.021 | **2.434** | 0.207 | 0.715 | 0.079 | 0.022 | **1.102** | 0.095 | 0.330 | 0.114 | 0.024 | **1.503** | 0.129 | 0.448 |
| 75 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 2.425 | 0.140 | 0.027 | **1.828** | 0.156 | 0.542 | 0.181 | 0.041 | **2.425** | 0.207 | 0.713 | 0.112 | 0.045 | **1.723** | 0.149 | 0.512 |
| 76 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 2.407 | 0.082 | 0.059 | **1.546** | 0.135 | 0.460 | 0.114 | 0.100 | **2.361** | 0.205 | 0.695 | 0.106 | 0.112 | **2.407** | 0.210 | 0.708 |
| 77 | MD | Brandon Shores | 602 | 2 | D006022 | 2.393 | 0.026 | 0.061 | 0.955 | 0.085 | 0.287 | 0.057 | 0.158 | **2.393** | 0.212 | 0.704 | 0.020 | 0.056 | 0.834 | 0.074 | 0.251 |
| 78 | PA | Armstrong Power Station | | 1 | D031781 | 2.377 | 0.093 | 0.015 | **1.185** | 0.102 | 0.355 | 0.202 | 0.015 | **2.377** | 0.202 | 0.699 | | | | | |
| 79 | PA | Armstrong Power Station | | 2 | D031782 | 2.346 | 0.091 | 0.016 | **1.176** | 0.101 | 0.352 | 0.198 | 0.017 | **2.346** | 0.199 | 0.690 | | | | | |
| 80 | MD | Brandon Shores | 602 | 1 | D006021 | 2.301 | 0.026 | 0.057 | 0.922 | 0.082 | 0.277 | 0.059 | 0.149 | **2.301** | 0.203 | 0.678 | 0.020 | 0.052 | 0.802 | 0.071 | 0.242 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 2.247 | 0.092 | 0.024 | **1.266** | 0.109 | 0.378 | 0.062 | 0.052 | **1.258** | 0.110 | 0.376 | 0.119 | 0.085 | **2.247** | 0.195 | 0.662 |
| 82 | GA | Yates | | Y7BR | D00728Y7R | 2.229 | 0.195 | 0.009 | **2.229** | 0.189 | 0.657 | 0.133 | 0.007 | **1.521** | 0.129 | 0.453 | 0.184 | 0.008 | **2.105** | 0.178 | 0.622 |
| 83 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 2.214 | 0.134 | 0.067 | **2.207** | 0.191 | 0.651 | 0.090 | 0.056 | **1.611** | 0.140 | 0.479 | 0.146 | 0.056 | **2.214** | 0.190 | 0.653 |
| 84 | MI | Belle River | | 2 | D060342 | 2.209 | 0.148 | 0.053 | **2.209** | 0.190 | 0.651 | 0.117 | 0.054 | **1.877** | 0.162 | 0.556 | 0.109 | 0.059 | **1.845** | 0.160 | 0.547 |
| 85 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 2.186 | 0.074 | 0.032 | **1.163** | 0.101 | 0.348 | 0.156 | 0.043 | **2.186** | 0.187 | 0.645 | 0.094 | 0.034 | **1.403** | 0.121 | 0.419 |
| 86 | MI | Belle River | | 1 | D060341 | 2.178 | 0.145 | 0.053 | **2.178** | 0.187 | 0.643 | 0.115 | 0.054 | **1.852** | 0.160 | 0.549 | 0.107 | 0.059 | **1.822** | 0.158 | 0.540 |
| 87 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 2.144 | 0.109 | 0.028 | **1.505** | 0.129 | 0.448 | 0.142 | 0.053 | **2.144** | 0.184 | 0.633 | 0.071 | 0.039 | **1.211** | 0.105 | 0.362 |
| 88 | IA | Ottumwa | | 1 | D062541 | 2.134 | 0.053 | 0.018 | 0.773 | 0.067 | 0.233 | 0.151 | 0.044 | **2.134** | 0.183 | 0.630 | 0.074 | 0.015 | 0.975 | 0.084 | 0.293 |
| 89 | NC | Cape Fear | 2708 | 6 | | 2.128 | 0.153 | 0.041 | **2.128** | 0.182 | 0.628 | 0.100 | 0.085 | **2.044** | 0.178 | 0.604 | 0.117 | 0.032 | **1.639** | 0.141 | 0.487 |
| 90 | OH | Conesville | 2840 | 5,6 | D02840C06 | 2.120 | 0.054 | 0.108 | **1.796** | 0.159 | 0.533 | 0.042 | 0.149 | **2.120** | 0.188 | 0.626 | 0.039 | 0.111 | **1.659** | 0.147 | 0.493 |
| 91 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 2.112 | 0.140 | 0.013 | **1.674** | 0.143 | 0.498 | 0.169 | 0.024 | **2.112** | 0.180 | 0.624 | 0.141 | 0.022 | **1.776** | 0.152 | 0.527 |
| 92 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 2.086 | 0.070 | 0.118 | **2.086** | 0.183 | 0.616 | | | | | | | | | | |
| 93 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 2.070 | 0.018 | 0.168 | **2.070** | 0.185 | 0.612 | | | | | | | | | | |
| 94 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 2.067 | 0.136 | 0.013 | **1.636** | 0.139 | 0.487 | 0.165 | 0.024 | **2.067** | 0.176 | 0.611 | 0.137 | 0.022 | **1.739** | 0.148 | 0.516 |
| 95 | MI | J H Campbell | | 3 (50%) | D01710M3A | 2.066 | 0.080 | 0.031 | **1.218** | 0.105 | 0.365 | 0.154 | 0.035 | **2.066** | 0.177 | 0.611 | 0.094 | 0.034 | **1.400** | 0.121 | 0.418 |
| 96 | PA | Montour | 3149 | 1 | D031491 | 2.039 | 0.056 | 0.047 | **1.129** | 0.099 | 0.338 | 0.086 | 0.065 | **1.670** | 0.145 | 0.496 | 0.093 | 0.092 | **2.039** | 0.178 | 0.603 |
| 97 | VA | Chesapeake Energy Center | | 3 | D038033 | 1.986 | 0.101 | 0.035 | **1.491** | 0.129 | 0.444 | 0.103 | 0.077 | **1.986** | 0.173 | 0.588 | 0.089 | 0.037 | **1.387** | 0.120 | 0.414 |
| 98 | OH | J M Stuart | 2850 | 4 | D028404 | 1.980 | 0.126 | 0.042 | **1.841** | 0.158 | 0.546 | 0.143 | 0.038 | **1.980** | 0.170 | 0.586 | 0.115 | 0.050 | **1.811** | 0.156 | 0.537 |
| 99 | PA | Montour | 3149 | 2 | D031492 | 1.950 | 0.056 | 0.043 | **1.087** | 0.095 | 0.326 | 0.087 | 0.059 | **1.607** | 0.140 | 0.478 | 0.094 | 0.083 | **1.950** | 0.170 | 0.577 |
| 100 | KY | Mill Creek | 1364 | 4 | D013644 | 1.931 | 0.081 | 0.025 | **1.159** | 0.100 | 0.347 | 0.125 | 0.024 | **1.633** | 0.140 | 0.486 | 0.138 | 0.038 | **1.931** | 0.166 | 0.572 |
| 101 | PA | Homer City | | 3 | D031223 | 1.904 | 0.037 | 0.070 | **1.184** | 0.105 | 0.354 | 0.110 | 0.063 | **1.904** | 0.165 | 0.564 | 0.057 | 0.056 | **1.243** | 0.109 | 0.372 |
| 102 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.900 | 0.070 | 0.022 | **1.009** | 0.087 | 0.303 | 0.145 | 0.029 | **1.900** | 0.162 | 0.563 | 0.084 | 0.027 | **1.215** | 0.105 | 0.363 |
| 103 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 1.887 | 0.138 | 0.034 | **1.887** | 0.162 | 0.559 | | | | | | | | | | |
| 104 | NC | Marshall | 2727 | 1,2 | x11 | 1.864 | 0.041 | 0.127 | **1.864** | 0.165 | 0.552 | | | | | | | | | | |
| 105 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 1.853 | 0.158 | 0.011 | **1.853** | 0.157 | 0.549 | 0.112 | 0.011 | **1.347** | 0.115 | 0.402 | 0.083 | 0.006 | 0.977 | 0.083 | 0.293 |
| 106 | PA | Portland | | 2 (1) | d031131 | 1.849 | 0.043 | 0.003 | 0.504 | 0.043 | 0.152 | 0.045 | 0.004 | 0.538 | 0.046 | 0.163 | 0.151 | 0.018 | **1.849** | 0.158 | 0.548 |
| 107 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 1.849 | 0.064 | 0.103 | **1.849** | 0.163 | 0.548 | | | | | | | | | | |
| 108 | NC | Marshall | 2727 | 4 | D027274 | 1.844 | 0.033 | 0.133 | **1.844** | 0.164 | 0.547 | | | | | | | | | | |
| 109 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 1.816 | 0.136 | 0.030 | **1.816** | 0.155 | 0.539 | | | | | | | | | | |
| 110 | OK | Northeastern | | 3313, 3314 | D02963C10 | 1.813 | 0.054 | 0.034 | 0.971 | 0.085 | 0.291 | 0.098 | 0.067 | **1.813** | 0.157 | 0.538 | 0.081 | 0.048 | **1.413** | 0.123 | 0.422 |
| 111 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 1.775 | 0.125 | 0.037 | **1.775** | 0.152 | 0.527 | 0.102 | 0.038 | **1.527** | 0.132 | 0.455 | 0.119 | 0.034 | **1.680** | 0.144 | 0.499 |
| 112 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 1.717 | 0.021 | 0.133 | **1.717** | 0.153 | 0.510 | | | | | | | | | | |
| 113 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 1.709 | 0.133 | 0.023 | **1.709** | 0.146 | 0.508 | | | | | | | | | | |
| 114 | IA | George Neal South | | 4 | D073434 | 1.708 | 0.049 | 0.022 | 0.778 | 0.068 | 0.234 | 0.118 | 0.038 | **1.708** | 0.147 | 0.507 | 0.044 | 0.016 | 0.660 | 0.057 | 0.199 |
| 115 | NC | L V Sutton | | 1, 2 | D02713C02 | 1.707 | 0.126 | 0.030 | **1.707** | 0.146 | 0.507 | 0.059 | 0.018 | 0.841 | 0.073 | 0.253 | 0.041 | 0.008 | 0.533 | 0.046 | 0.161 |
| 116 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 1.695 | 0.075 | 0.046 | **1.321** | 0.115 | 0.395 | 0.104 | 0.050 | **1.695** | 0.147 | 0.504 | 0.088 | 0.044 | **1.448** | 0.125 | 0.432 |
| 117 | MI | St. Clair | 1743 | 6 | D017436 | 1.666 | 0.135 | 0.017 | **1.666** | 0.142 | 0.495 | 0.130 | 0.020 | **1.637** | 0.140 | 0.487 | 0.092 | 0.021 | **1.237** | 0.106 | 0.370 |
| 118 | OH | Eastlake | 2837 | 1 | D028371 | 1.632 | 0.132 | 0.017 | **1.632** | 0.139 | 0.485 | | | | | | | | | | |
| 119 | NH | Merrimack | 2364 | 2 | D023642 | 1.622 | 0.043 | 0.003 | 0.503 | 0.043 | 0.152 | 0.051 | 0.003 | 0.583 | 0.050 | 0.176 | 0.136 | 0.012 | **1.622** | 0.138 | 0.483 |
| 120 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 1.590 | 0.138 | 0.008 | **1.590** | 0.135 | 0.473 | 0.116 | 0.025 | **1.548** | 0.133 | 0.461 | 0.092 | 0.035 | **1.395** | 0.120 | 0.416 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 1.577 | 0.073 | 0.071 | **1.577** | 0.138 | 0.469 | | | | | | | | | | |
| 122 | OH | Eastlake | 2837 | 2 | D028372 | 1.563 | 0.128 | 0.015 | **1.563** | 0.133 | 0.465 | | | | | | | | | | |
| 123 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 1.554 | 0.090 | 0.045 | **1.481** | 0.128 | 0.441 | 0.073 | 0.036 | **1.192** | 0.103 | 0.357 | 0.081 | 0.060 | **1.554** | 0.135 | 0.463 |
| 124 | PA | Sunbury | | 4 | D031524 | 1.547 | 0.052 | 0.006 | 0.626 | 0.054 | 0.189 | 0.078 | 0.007 | 0.934 | 0.080 | 0.281 | 0.128 | 0.014 | **1.547** | 0.132 | 0.461 |
| 125 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 1.526 | 0.122 | 0.018 | **1.526** | 0.130 | 0.455 | 0.108 | 0.026 | **1.471** | 0.126 | 0.439 | 0.083 | 0.022 | **1.148** | 0.099 | 0.344 |
| 126 | TX | Big Brown | 3497 | 2 | | 1.522 | 0.133 | 0.006 | **1.522** | 0.129 | 0.453 | 0.076 | 0.007 | 0.909 | 0.078 | 0.273 | 0.115 | 0.002 | **1.282** | 0.109 | 0.383 |
| 127 | NC | Roxboro | 2712 | 1 | D027121 | 1.480 | 0.067 | 0.068 | **1.480** | 0.130 | 0.441 | | | | | | | | | | |
| 128 | OH | Miami Fort Power Station | | 8 | D028328 | 1.474 | 0.064 | 0.070 | **1.474** | 0.129 | 0.439 | | | | | | | | | | |
| 129 | TX | Big Brown | 3497 | 1 | | 1.453 | 0.127 | 0.006 | **1.453** | 0.124 | 0.433 | 0.072 | 0.007 | 0.869 | 0.074 | 0.261 | 0.110 | 0.002 | **1.222** | 0.104 | 0.366 |
| 130 | SC | H B Robinson | | 1 | D032511 | 1.435 | 0.072 | 0.026 | **1.074** | 0.093 | 0.322 | 0.089 | 0.042 | **1.435** | 0.124 | 0.428 | 0.066 | 0.034 | **1.096** | 0.095 | 0.329 |
| 131 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 1.424 | 0.087 | 0.043 | **1.424** | 0.123 | 0.425 | | | | | | | | | | |
| 132 | MI | River Rouge | | 3 | D017403 | 1.421 | 0.089 | 0.040 | **1.421** | 0.123 | 0.424 | | | | | | | | | | |
| 133 | PA | Sunbury | | 3 | D031523 | 1.417 | 0.045 | 0.005 | 0.546 | 0.047 | 0.165 | 0.064 | 0.007 | 0.780 | 0.067 | 0.235 | 0.116 | 0.013 | **1.417** | 0.121 | 0.423 |
| 134 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 1.394 | 0.114 | 0.013 | **1.394** | 0.119 | 0.416 | | | | | | | | | | |
| 135 | IN | Gibson | 6113 | 4 | D061135 | 1.362 | 0.025 | 0.098 | **1.362** | 0.121 | 0.407 | | | | | | | | | | |
| 136 | OH | Eastlake | 2837 | 3 | D028373 | 1.356 | 0.110 | 0.014 | **1.356** | 0.116 | 0.405 | | | | | | | | | | |
| 137 | NC | Roxboro | 2712 | 2 | D027122 | 1.340 | 0.077 | 0.045 | **1.340** | 0.116 | 0.400 | | | | | | | | | | |
| 138 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 1.331 | 0.086 | 0.023 | **1.194** | 0.103 | 0.357 | 0.089 | 0.032 | **1.331** | 0.115 | 0.398 | 0.073 | 0.031 | **1.135** | 0.098 | 0.340 |
| 139 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 1.330 | 0.116 | 0.005 | **1.330** | 0.113 | 0.397 | 0.089 | 0.019 | **1.189** | 0.102 | 0.356 | 0.065 | 0.026 | 0.999 | 0.086 | 0.300 |
| 140 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.318 | 0.078 | 0.008 | 0.938 | 0.080 | 0.282 | 0.105 | 0.016 | **1.318** | 0.113 | 0.394 | 0.082 | 0.013 | **1.041** | 0.089 | 0.312 |
| 141 | MO | Labadie | | 4 | D021034 | 1.272 | 0.042 | 0.007 | 0.537 | 0.046 | 0.162 | 0.107 | 0.010 | **1.272** | 0.108 | 0.380 | 0.084 | 0.010 | **1.032** | 0.088 | 0.310 |
| 142 | IN | Merom | | 2SG1 | D062132G1 | 1.270 | 0.107 | 0.009 | **1.270** | 0.108 | 0.380 | | | | | | | | | | |
| 143 | WV | Longview Power | 56671 | 1 | | 1.252 | 0.088 | 0.027 | **1.252** | 0.108 | 0.374 | | | | | | | | | | |
| 144 | IN | Gibson | 6113 | 5 | D061135 | 1.248 | 0.073 | 0.041 | **1.248** | 0.108 | 0.373 | | | | | | | | | | |
| 145 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 1.245 | 0.106 | 0.008 | **1.245** | 0.106 | 0.372 | 0.087 | 0.008 | **1.038** | 0.089 | 0.311 | 0.072 | 0.008 | 0.874 | 0.075 | 0.263 |
| 146 | VA | Chesapeake Energy Center | | 2 | D038032 | 1.239 | 0.065 | 0.021 | 0.944 | 0.081 | 0.283 | 0.066 | 0.047 | **1.239** | 0.108 | 0.371 | 0.058 | 0.023 | 0.883 | 0.076 | 0.266 |
| 147 | KY | Ghent | 1356 | 1,2 … (1,4) | D01356C01 | 1.237 | 0.057 | 0.056 | **1.237** | 0.108 | 0.370 | | | | | | | | | | |
| 148 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 1.234 | 0.102 | 0.011 | **1.234** | 0.105 | 0.369 | | | | | | | | | | |
| 149 | SC | Jefferies | 3319 | 3 | | 1.189 | 0.105 | 0.004 | **1.189** | 0.101 | 0.356 | 0.064 | 0.009 | 0.804 | 0.069 | 0.242 | 0.056 | 0.036 | **1.018** | 0.089 | 0.305 |
| 150 | SC | Jefferies | 3319 | 4 | | 1.188 | 0.105 | 0.004 | **1.188** | 0.101 | 0.356 | 0.064 | 0.010 | 0.802 | 0.069 | 0.241 | 0.056 | 0.037 | **1.023** | 0.089 | 0.307 |
| 151 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 1.186 | 0.085 | 0.023 | **1.186** | 0.102 | 0.355 | | | | | | | | | | |
| 152 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 1.179 | 0.081 | 0.026 | **1.179** | 0.102 | 0.353 | | | | | | | | | | |
| 153 | TX | Martin Lake | 6146 | 1 | | 1.175 | 0.095 | 0.013 | **1.175** | 0.100 | 0.352 | 0.054 | 0.014 | 0.748 | 0.064 | 0.225 | 0.082 | 0.005 | 0.947 | 0.081 | 0.285 |
| 154 | PA | Sunbury | | 1A, 1B | D03152CS1 | 1.128 | 0.036 | 0.004 | 0.435 | 0.037 | 0.132 | 0.053 | 0.006 | 0.636 | 0.054 | 0.192 | 0.093 | 0.010 | **1.128** | 0.096 | 0.338 |
| 155 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 1.128 | 0.096 | 0.007 | **1.128** | 0.096 | 0.338 | 0.079 | 0.007 | 0.939 | 0.080 | 0.282 | 0.066 | 0.007 | 0.792 | 0.068 | 0.238 |
| 156 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.122 | 0.068 | 0.013 | 0.885 | 0.076 | 0.266 | 0.086 | 0.016 | **1.122** | 0.096 | 0.336 | 0.065 | 0.009 | 0.808 | 0.069 | 0.243 |
| 157 | DE | Indian River | 594 | 4 | D005944 | 1.109 | 0.031 | 0.008 | 0.421 | 0.036 | 0.127 | 0.040 | 0.010 | 0.549 | 0.047 | 0.166 | 0.094 | 0.008 | **1.109** | 0.095 | 0.332 |
| 158 | NC | Riverbend | 2732 | 9 | | 1.092 | 0.087 | 0.013 | **1.092** | 0.094 | 0.327 | | | | | | | | | | |
| 159 | OK | Grand River Dam Authority | | 1 | D001651 | 1.087 | 0.033 | 0.013 | 0.507 | 0.044 | 0.153 | 0.071 | 0.028 | **1.087** | 0.094 | 0.326 | 0.050 | 0.023 | 0.805 | 0.070 | 0.242 |
| 160 | TX | Martin Lake | 6146 | 2 | | 1.083 | 0.089 | 0.010 | **1.083** | 0.093 | 0.325 | 0.051 | 0.012 | 0.682 | 0.059 | 0.206 | 0.077 | 0.004 | 0.881 | 0.075 | 0.265 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | VA | Chesapeake Energy Center | | 1 | D038031 | 1.083 | 0.047 | 0.023 | 0.766 | 0.067 | 0.231 | 0.048 | 0.051 | **1.083** | 0.095 | 0.325 | 0.042 | 0.025 | 0.730 | 0.064 | 0.220 |
| 162 | AR | Independence | | 1 | D066411 | 1.061 | 0.078 | 0.018 | **1.061** | 0.091 | 0.318 | | | | | | | | | | |
| 163 | AR | Independence | | 2 | D066412 | 1.048 | 0.079 | 0.016 | **1.048** | 0.090 | 0.314 | | | | | | | | | | |
| 164 | SC | Canadys Steam | | CAN3 | D03280CN3 | 1.043 | 0.072 | 0.005 | 0.843 | 0.072 | 0.254 | 0.086 | 0.009 | **1.043** | 0.089 | 0.313 | 0.066 | 0.014 | 0.876 | 0.075 | 0.263 |
| 165 | NJ | B L England | 2378 | 1 | | 1.036 | 0.051 | 0.010 | 0.660 | 0.057 | 0.199 | 0.074 | 0.021 | **1.036** | 0.089 | 0.311 | 0.062 | 0.012 | 0.803 | 0.069 | 0.242 |
| 166 | MO | New Madrid Power Plant | | 1 | D021671 | 1.028 | 0.023 | 0.070 | **1.028** | 0.092 | 0.308 | | | | | | | | | | |
| 167 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 1.014 | 0.081 | 0.012 | **1.014** | 0.087 | 0.304 | | | | | | | | | | |
| 168 | KS | La Cygne | | 2 | D012412 | 1.007 | 0.041 | 0.015 | 0.611 | 0.053 | 0.184 | 0.054 | 0.038 | **1.007** | 0.088 | 0.302 | 0.037 | 0.018 | 0.605 | 0.053 | 0.183 |
| 169 | TX | Martin Lake | 6146 | 3 | | 1.005 | 0.081 | 0.011 | **1.005** | 0.086 | 0.302 | 0.046 | 0.012 | 0.640 | 0.055 | 0.193 | 0.070 | 0.004 | 0.811 | 0.069 | 0.244 |
| 170 | AR | White Bluff | | 1 | D060091 | 0.973 | 0.061 | 0.028 | 0.973 | 0.084 | 0.292 | | | | | | | | | | |
| 171 | WI | Columbia | | 2 | D080232 | 0.971 | 0.072 | 0.017 | 0.971 | 0.083 | 0.292 | 0.064 | 0.016 | 0.877 | 0.076 | 0.264 | 0.037 | 0.009 | 0.502 | 0.043 | 0.152 |
| 172 | MI | Monroe | 1733 | 3,4 | D01733C34 | 0.965 | 0.041 | 0.046 | 0.965 | 0.085 | 0.290 | | | | | | | | | | |
| 173 | AR | White Bluff | | 2 | D060092 | 0.965 | 0.059 | 0.029 | 0.965 | 0.084 | 0.290 | | | | | | | | | | |
| 174 | NC | Belews Creek | 8042 | 2 | D080422 | 0.961 | 0.032 | 0.055 | 0.961 | 0.085 | 0.289 | | | | | | | | | | |
| 175 | NC | Belews Creek | 8042 | 1 | D080421 | 0.959 | 0.032 | 0.055 | 0.959 | 0.085 | 0.288 | | | | | | | | | | |
| 176 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.957 | 0.054 | 0.034 | 0.957 | 0.083 | 0.288 | 0.045 | 0.026 | 0.784 | 0.068 | 0.236 | 0.028 | 0.016 | 0.479 | 0.042 | 0.145 |
| 177 | KY | East Bend | 6018 | 2 | D060182 | 0.957 | 0.033 | 0.054 | 0.957 | 0.085 | 0.287 | | | | | | | | | | |
| 178 | WI | Columbia | | 1 | D080231 | 0.957 | 0.072 | 0.015 | 0.957 | 0.082 | 0.287 | 0.057 | 0.017 | 0.815 | 0.070 | 0.245 | 0.034 | 0.006 | 0.439 | 0.038 | 0.133 |
| 179 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.945 | 0.052 | 0.024 | 0.832 | 0.072 | 0.251 | 0.047 | 0.016 | 0.686 | 0.059 | 0.207 | 0.055 | 0.032 | 0.945 | 0.082 | 0.284 |
| 180 | PA | Martins Creek | 3148 | 3,4 | x21 | 0.943 | 0.022 | 0.016 | 0.417 | 0.036 | 0.126 | 0.016 | 0.036 | 0.578 | 0.051 | 0.175 | 0.025 | 0.061 | 0.943 | 0.084 | 0.283 |
| 181 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 0.937 | 0.024 | 0.061 | 0.937 | 0.083 | 0.282 | | | | | | | | | | |
| 182 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 0.914 | 0.057 | 0.026 | 0.914 | 0.079 | 0.275 | 0.046 | 0.013 | 0.647 | 0.056 | 0.195 | 0.050 | 0.020 | 0.765 | 0.066 | 0.230 |
| 183 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 0.913 | 0.050 | 0.034 | 0.913 | 0.080 | 0.274 | | | | | | | | | | |
| 184 | IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 0.897 | 0.062 | 0.020 | 0.897 | 0.077 | 0.270 | | | | | | | | | | |
| 185 | OH | J M Stuart | 2850 | 3 | D028503 | 0.895 | 0.047 | 0.034 | 0.895 | 0.078 | 0.269 | | | | | | | | | | |
| 186 | NE | Nebraska City Station | | 1 | D060961 | 0.895 | 0.069 | 0.013 | 0.895 | 0.077 | 0.269 | | | | | | | | | | |
| 187 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 0.894 | 0.045 | 0.036 | 0.894 | 0.078 | 0.269 | | | | | | | | | | |
| 188 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.893 | 0.058 | 0.018 | 0.833 | 0.072 | 0.251 | 0.047 | 0.013 | 0.655 | 0.057 | 0.198 | 0.056 | 0.025 | 0.893 | 0.077 | 0.268 |
| 189 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 0.885 | 0.053 | 0.027 | 0.885 | 0.077 | 0.266 | | | | | | | | | | |
| 190 | IL | Joliet 29 | | 81, 82 | D00384C82 | 0.884 | 0.067 | 0.014 | 0.884 | 0.076 | 0.266 | | | | | | | | | | |
| 191 | OH | Cardinal | 2828 | 1 | D028281 | 0.883 | 0.068 | 0.013 | 0.883 | 0.076 | 0.266 | | | | | | | | | | |
| 192 | TX | Monticello | 6147 | 1 | | 0.880 | 0.074 | 0.006 | 0.880 | 0.075 | 0.265 | 0.042 | 0.007 | 0.543 | 0.047 | 0.164 | 0.064 | 0.002 | 0.727 | 0.062 | 0.219 |
| 193 | WV | John E Amos | 3935 | 3 | D039353 | 0.864 | 0.031 | 0.048 | 0.864 | 0.076 | 0.260 | | | | | | | | | | |
| 194 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 0.850 | 0.068 | 0.010 | 0.850 | 0.073 | 0.256 | | | | | | | | | | |
| 195 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 0.845 | 0.057 | 0.020 | 0.845 | 0.073 | 0.254 | 0.049 | 0.014 | 0.697 | 0.060 | 0.210 | 0.037 | 0.018 | 0.605 | 0.053 | 0.183 |
| 196 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 0.842 | 0.053 | 0.023 | 0.842 | 0.073 | 0.253 | | | | | | | | | | |
| 197 | TX | Monticello | 6147 | 2 | | 0.825 | 0.070 | 0.005 | 0.825 | 0.070 | 0.248 | | | | | | | | | | |
| 198 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 0.803 | 0.043 | 0.030 | 0.803 | 0.070 | 0.242 | | | | | | | | | | |
| 199 | NH | Merrimack | 2364 | 1 | D023641 | 0.801 | 0.021 | 0.001 | 0.249 | 0.021 | 0.076 | 0.025 | 0.001 | 0.290 | 0.025 | 0.088 | 0.068 | 0.005 | 0.801 | 0.068 | 0.241 |
| 200 | TX | Monticello | 6147 | 3 | | 0.790 | 0.062 | 0.010 | 0.790 | 0.068 | 0.238 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | OH | J M Stuart | 2850 | 1 | D028501 | 0.786 | 0.045 | 0.026 | 0.786 | 0.068 | 0.237 | | | | | | | | | | |
| 202 | MA | Brayton Point | 1619 | 3 | D016193 | 0.766 | 0.037 | 0.005 | 0.458 | 0.039 | 0.139 | 0.067 | 0.002 | 0.751 | 0.064 | 0.226 | 0.063 | 0.007 | 0.766 | 0.066 | 0.231 |
| 203 | NC | Marshall | 2727 | 3 | D027273 | 0.764 | 0.034 | 0.035 | 0.764 | 0.067 | 0.230 | | | | | | | | | | |
| 204 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.763 | 0.047 | 0.022 | 0.763 | 0.066 | 0.230 | | | | | | | | | | |
| 205 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.757 | 0.055 | 0.014 | 0.757 | 0.065 | 0.228 | | | | | | | | | | |
| 206 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.755 | 0.060 | 0.010 | 0.755 | 0.065 | 0.227 | | | | | | | | | | |
| 207 | TX | Limestone | 298 | LIM2 | | 0.749 | 0.054 | 0.015 | 0.749 | 0.065 | 0.226 | | | | | | | | | | |
| 208 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 0.741 | 0.044 | 0.024 | 0.741 | 0.064 | 0.223 | | | | | | | | | | |
| 209 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 0.735 | 0.046 | 0.022 | 0.735 | 0.064 | 0.222 | | | | | | | | | | |
| 210 | MO | New Madrid Power Plant | | 2 | D021672 | 0.727 | 0.022 | 0.044 | 0.727 | 0.065 | 0.219 | | | | | | | | | | |
| 211 | IA | Louisa | | 101 | D06664101 | 0.726 | 0.036 | 0.030 | 0.726 | 0.064 | 0.219 | | | | | | | | | | |
| 212 | AL | Greene County | 10 | 1 | | 0.708 | 0.060 | 0.005 | 0.708 | 0.061 | 0.214 | | | | | | | | | | |
| 213 | IN | Cayuga | 1001 | 2 | D010012 | 0.705 | 0.029 | 0.035 | 0.705 | 0.062 | 0.212 | | | | | | | | | | |
| 214 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 0.704 | 0.037 | 0.027 | 0.704 | 0.061 | 0.212 | | | | | | | | | | |
| 215 | TX | Limestone | 298 | LIM1 | | 0.696 | 0.050 | 0.014 | 0.696 | 0.060 | 0.210 | | | | | | | | | | |
| 216 | OH | Cardinal | 2828 | 2 | D028282 | 0.690 | 0.049 | 0.014 | 0.690 | 0.060 | 0.208 | | | | | | | | | | |
| 217 | OH | Conesville | 2840 | 4 | D028504 | 0.678 | 0.041 | 0.021 | 0.678 | 0.059 | 0.204 | | | | | | | | | | |
| 218 | MD | Morgantown | 1573 | 2 | D015732 | 0.677 | 0.052 | 0.010 | 0.677 | 0.058 | 0.204 | | | | | | | | | | |
| 219 | OH | J M Stuart | 2850 | 2 | D028502 | 0.671 | 0.027 | 0.034 | 0.671 | 0.059 | 0.202 | | | | | | | | | | |
| 220 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.665 | 0.053 | 0.008 | 0.665 | 0.057 | 0.201 | | | | | | | | | | |
| 221 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.664 | 0.026 | 0.034 | 0.664 | 0.059 | 0.200 | | | | | | | | | | |
| 222 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.655 | 0.042 | 0.018 | 0.655 | 0.057 | 0.198 | | | | | | | | | | |
| 223 | GA | Yates | | Y5BR | D00728Y5R | 0.654 | 0.056 | 0.004 | 0.654 | 0.056 | 0.197 | | | | | | | | | | |
| 224 | IN | Cayuga | 1001 | 1 | D010011 | 0.636 | 0.025 | 0.033 | 0.636 | 0.056 | 0.192 | | | | | | | | | | |
| 225 | MN | Sherburne County | | 3 | D060903 | 0.630 | 0.041 | 0.017 | 0.630 | 0.055 | 0.190 | | | | | | | | | | |
| 226 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.627 | 0.047 | 0.010 | 0.627 | 0.054 | 0.189 | | | | | | | | | | |
| 227 | OH | W H Sammis | 2866 | 7 | D028667 | 0.602 | 0.019 | 0.036 | 0.602 | 0.053 | 0.182 | | | | | | | | | | |
| 228 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.595 | 0.034 | 0.020 | 0.595 | 0.052 | 0.180 | | | | | | | | | | |
| 229 | WI | Nelson Dewey | 4054 | 2 | | 0.592 | 0.048 | 0.007 | 0.592 | 0.051 | 0.179 | | | | | | | | | | |
| 230 | NJ | B L England | 2378 | 2,3 | x12 | 0.585 | 0.016 | 0.014 | 0.328 | 0.029 | 0.100 | 0.023 | 0.030 | 0.585 | 0.052 | 0.177 | 0.019 | 0.017 | 0.394 | 0.035 | 0.119 |
| 231 | IL | Newton | | 2 | D060172 | 0.582 | 0.043 | 0.010 | 0.582 | 0.050 | 0.176 | | | | | | | | | | |
| 232 | AL | E C Gaston | 26 | 5 | | 0.580 | 0.024 | 0.028 | 0.580 | 0.051 | 0.175 | | | | | | | | | | |
| 233 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 0.567 | 0.013 | 0.038 | 0.567 | 0.051 | 0.171 | | | | | | | | | | |
| 234 | TN | Cumberland | 3399 | 1 | | 0.562 | 0.039 | 0.012 | 0.562 | 0.049 | 0.170 | | | | | | | | | | |
| 235 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 0.560 | 0.012 | 0.038 | 0.560 | 0.050 | 0.169 | | | | | | | | | | |
| 236 | MO | Labadie | | 3 | D021033 | 0.547 | 0.043 | 0.007 | 0.547 | 0.047 | 0.165 | | | | | | | | | | |
| 237 | OH | W H Sammis | 2866 | 6 | D02866M6A | 0.544 | 0.020 | 0.030 | 0.544 | 0.048 | 0.165 | | | | | | | | | | |
| 238 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.540 | 0.042 | 0.007 | 0.540 | 0.046 | 0.163 | | | | | | | | | | |
| 239 | MO | Labadie | | 1 | D021031 | 0.518 | 0.040 | 0.007 | 0.518 | 0.045 | 0.157 | | | | | | | | | | |
| 240 | GA | Bowen | 703 | 1BLR | D007031LR | 0.494 | 0.024 | 0.021 | 0.494 | 0.043 | 0.149 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | KS | Nearman Creek | 6064 | N1 | | 0.489 | 0.021 | 0.024 | 0.489 | 0.043 | 0.148 | | | | | | | | | | |
| 242 | MA | Brayton Point | 1619 | 2 | D016192 | 0.463 | 0.020 | 0.004 | 0.267 | 0.023 | 0.081 | 0.025 | 0.001 | 0.289 | 0.025 | 0.088 | 0.038 | 0.004 | 0.463 | 0.040 | 0.140 |
| 243 | KY | Green River | | 5 | D013575 | 0.459 | 0.037 | 0.005 | 0.459 | 0.039 | 0.139 | | | | | | | | | | |
| 244 | KY | D B Wilson | | W1 | D06823W1 | 0.447 | 0.035 | 0.006 | 0.447 | 0.038 | 0.135 | | | | | | | | | | |
| 245 | IA | George Neal North | | 3 | D010913 | 0.445 | 0.025 | 0.016 | 0.445 | 0.039 | 0.135 | | | | | | | | | | |
| 246 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.430 | 0.037 | 0.002 | 0.430 | 0.037 | 0.130 | | | | | | | | | | |
| 247 | WI | Edgewater (4050) | 4050 | 5 | | 0.430 | 0.034 | 0.006 | 0.430 | 0.037 | 0.130 | | | | | | | | | | |
| 248 | ME | William F Wyman | 1507 | 4 | D015074 | 0.426 | 0.010 | 0.001 | 0.112 | 0.010 | 0.034 | 0.012 | 0.001 | 0.135 | 0.012 | 0.041 | 0.032 | 0.007 | 0.426 | 0.037 | 0.129 |
| 249 | NH | Newington | 8002 | 1 | D080021 | 0.426 | 0.013 | 0.002 | 0.159 | 0.014 | 0.048 | 0.015 | 0.001 | 0.169 | 0.014 | 0.051 | 0.034 | 0.005 | 0.426 | 0.037 | 0.129 |
| 250 | TX | Welsh Power Plant | 6139 | 3 | | 0.423 | 0.030 | 0.009 | 0.423 | 0.037 | 0.128 | | | | | | | | | | |
| 251 | GA | Bowen | 703 | 4BLR | D007034LR | 0.410 | 0.013 | 0.024 | 0.410 | 0.036 | 0.124 | | | | | | | | | | |
| 252 | NC | Cliffside | 2721 | 5 | D027215 | 0.407 | 0.017 | 0.020 | 0.407 | 0.036 | 0.123 | | | | | | | | | | |
| 253 | OH | W H Sammis | 2866 | 5 | D028665 | 0.407 | 0.008 | 0.029 | 0.407 | 0.036 | 0.123 | | | | | | | | | | |
| 254 | MA | Brayton Point | 1619 | 1 | D016191 | 0.407 | 0.019 | 0.003 | 0.233 | 0.020 | 0.071 | 0.023 | 0.001 | 0.259 | 0.022 | 0.079 | 0.034 | 0.003 | 0.407 | 0.035 | 0.123 |
| 255 | DE | Edge Moor | 593 | 5 | D005935 | 0.406 | 0.026 | 0.011 | 0.406 | 0.035 | 0.123 | | | | | | | | | | |
| 256 | KS | La Cygne | 1241 | 1 | | 0.400 | 0.018 | 0.010 | 0.307 | 0.027 | 0.093 | 0.026 | 0.011 | 0.400 | 0.035 | 0.121 | 0.018 | 0.006 | 0.257 | 0.022 | 0.078 |
| 257 | TX | Welsh Power Plant | 6139 | 1 | | 0.398 | 0.029 | 0.008 | 0.398 | 0.034 | 0.121 | | | | | | | | | | |
| 258 | MO | Rush Island | | 2 | D061552 | 0.398 | 0.031 | 0.006 | 0.398 | 0.034 | 0.121 | | | | | | | | | | |
| 259 | TX | Welsh Power Plant | 6139 | 2 | | 0.395 | 0.029 | 0.007 | 0.395 | 0.034 | 0.120 | | | | | | | | | | |
| 260 | KY | Green River | | 4 | D013574 | 0.394 | 0.032 | 0.004 | 0.394 | 0.034 | 0.119 | | | | | | | | | | |
| 261 | SC | McMeekin | | MCM2 | D03287MM2 | 0.389 | 0.032 | 0.004 | 0.389 | 0.033 | 0.118 | | | | | | | | | | |
| 262 | SC | McMeekin | | MCM1 | D03287MM1 | 0.377 | 0.031 | 0.004 | 0.377 | 0.032 | 0.114 | | | | | | | | | | |
| 263 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.369 | 0.029 | 0.005 | 0.369 | 0.032 | 0.112 | | | | | | | | | | |
| 264 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.366 | 0.029 | 0.004 | 0.366 | 0.031 | 0.111 | | | | | | | | | | |
| 265 | PA | Shawville | 3131 | 1 | D031311 | 0.364 | 0.022 | 0.011 | 0.364 | 0.032 | 0.110 | | | | | | | | | | |
| 266 | IL | Wood River Power Station | | 5 | D008985 | 0.364 | 0.024 | 0.009 | 0.364 | 0.032 | 0.110 | | | | | | | | | | |
| 267 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.357 | 0.013 | 0.020 | 0.357 | 0.032 | 0.108 | | | | | | | | | | |
| 268 | PA | Shawville | 3131 | 2 | D031312 | 0.354 | 0.022 | 0.010 | 0.354 | 0.031 | 0.107 | | | | | | | | | | |
| 269 | MO | Sikeston | | 1 | D067681 | 0.354 | 0.022 | 0.010 | 0.354 | 0.031 | 0.107 | | | | | | | | | | |
| 270 | MO | Rush Island | | 1 | D061551 | 0.352 | 0.027 | 0.005 | 0.352 | 0.030 | 0.107 | | | | | | | | | | |
| 271 | IL | Marion | | 4 | D009764 | 0.345 | 0.022 | 0.010 | 0.345 | 0.030 | 0.105 | | | | | | | | | | |
| 272 | GA | Bowen | 703 | 2BLR | D007032LR | 0.327 | 0.011 | 0.018 | 0.327 | 0.029 | 0.099 | | | | | | | | | | |
| 273 | OK | Muskogee | 2952 | 4 | | 0.325 | 0.019 | 0.011 | 0.325 | 0.028 | 0.099 | | | | | | | | | | |
| 274 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.319 | 0.005 | 0.024 | 0.319 | 0.029 | 0.097 | | | | | | | | | | |
| 275 | OK | Sooner | 6095 | 1 | | 0.317 | 0.023 | 0.006 | 0.317 | 0.027 | 0.096 | | | | | | | | | | |
| 276 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.315 | 0.025 | 0.004 | 0.315 | 0.027 | 0.096 | | | | | | | | | | |
| 277 | OK | Sooner | | 2 | D060952 | 0.311 | 0.022 | 0.007 | 0.311 | 0.027 | 0.094 | | | | | | | | | | |
| 278 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.300 | 0.022 | 0.006 | 0.300 | 0.026 | 0.091 | | | | | | | | | | |
| 279 | OK | Muskogee | | 5 | D029525 | 0.295 | 0.018 | 0.009 | 0.295 | 0.026 | 0.090 | | | | | | | | | | |
| 280 | OK | Hugo | | 1 | D067721 | 0.272 | 0.019 | 0.006 | 0.272 | 0.024 | 0.083 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | WI | Genoa | 4143 | 1 | | 0.272 | 0.019 | 0.006 | 0.272 | 0.024 | 0.082 | | | | | | | | | | |
| 282 | GA | Bowen | 703 | 3BLR | D007033LR | 0.255 | 0.014 | 0.010 | 0.255 | 0.022 | 0.077 | | | | | | | | | | |
| 283 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.237 | 0.013 | 0.008 | 0.237 | 0.021 | 0.072 | | | | | | | | | | |
| 284 | MO | Meramec | | 3 | D021043 | 0.203 | 0.014 | 0.005 | 0.203 | 0.018 | 0.062 | | | | | | | | | | |
| 285 | MA | Canal Station | 1599 | 1 | D015991 | 0.195 | 0.011 | 0.001 | 0.129 | 0.011 | 0.039 | 0.017 | 0.001 | 0.195 | 0.017 | 0.059 | 0.014 | 0.002 | 0.166 | 0.014 | 0.051 |
| 286 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.180 | 0.008 | 0.004 | 0.137 | 0.012 | 0.042 | 0.007 | 0.008 | 0.169 | 0.015 | 0.051 | 0.011 | 0.006 | 0.180 | 0.016 | 0.055 |
| 287 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.176 | 0.008 | 0.008 | 0.176 | 0.015 | 0.053 | 0.008 | 0.006 | 0.153 | 0.013 | 0.047 | 0.009 | 0.007 | 0.176 | 0.015 | 0.053 |
| 288 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.172 | 0.009 | 0.007 | 0.172 | 0.015 | 0.052 | | | | | | | | | | |
| 289 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.165 | 0.012 | 0.003 | 0.165 | 0.014 | 0.050 | | | | | | | | | | |
| 290 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.160 | 0.008 | 0.007 | 0.160 | 0.014 | 0.049 | 0.006 | 0.004 | 0.115 | 0.010 | 0.035 | | | | | |
| 291 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.148 | 0.010 | 0.004 | 0.148 | 0.013 | 0.045 | | | | | | | | | | |
| 292 | MA | Canal Station | 1599 | 2 | D015992 | 0.134 | 0.007 | 0.002 | 0.099 | 0.009 | 0.030 | 0.009 | 0.001 | 0.105 | 0.009 | 0.032 | 0.009 | 0.003 | 0.134 | 0.012 | 0.041 |
| 293 | MA | Brayton Point | 1619 | 4 | x07 | 0.129 | 0.005 | 0.001 | 0.071 | 0.006 | 0.022 | 0.009 | 0.001 | 0.115 | 0.010 | 0.035 | 0.009 | 0.003 | 0.129 | 0.011 | 0.039 |
| 294 | MA | Salem Harbor Station | 1626 | 1 | | 0.120 | 0.005 | 0.001 | 0.058 | 0.005 | 0.018 | 0.009 | 0.000 | 0.105 | 0.009 | 0.032 | 0.009 | 0.002 | 0.120 | 0.010 | 0.036 |
| 295 | KS | Quindaro | 1295 | 2 | | 0.117 | 0.006 | 0.005 | 0.117 | 0.010 | 0.036 | | | | | | | | | | |
| 296 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.115 | 0.007 | 0.004 | 0.115 | 0.010 | 0.035 | | | | | | | | | | |
| 297 | CT | Middletown | 562 | 4 | | 0.106 | 0.005 | 0.005 | 0.106 | 0.009 | 0.032 | | | | | | | | | | |
| 298 | NH | Schiller | 2367 | 6 | | 0.106 | 0.003 | 0.001 | 0.045 | 0.004 | 0.014 | 0.005 | 0.000 | 0.056 | 0.005 | 0.017 | 0.008 | 0.002 | 0.106 | 0.009 | 0.032 |
| 299 | NH | Schiller | 2367 | 4 | | 0.104 | 0.003 | 0.001 | 0.044 | 0.004 | 0.013 | 0.005 | 0.000 | 0.055 | 0.005 | 0.017 | 0.008 | 0.002 | 0.104 | 0.009 | 0.032 |
| 300 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.096 | 0.005 | 0.003 | 0.096 | 0.008 | 0.029 | | | | | | | | | | |
| 301 | CT | New Haven Harbor | 6156 | NHB1 | | 0.089 | 0.005 | 0.003 | 0.089 | 0.008 | 0.027 | | | | | | | | | | |
| 302 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.086 | 0.005 | 0.003 | 0.086 | 0.008 | 0.026 | | | | | | | | | | |
| 303 | NY | Northport | 2516 | 3 | D025163 | 0.079 | 0.004 | 0.003 | 0.079 | 0.007 | 0.024 | | | | | | | | | | |
| 304 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.070 | 0.006 | 0.000 | 0.070 | 0.006 | 0.021 | | | | | | | | | | |
| 305 | SC | Winyah | 6249 | 1 | D062491 | 0.042 | 0.003 | 0.001 | 0.042 | 0.004 | 0.013 | | | | | | | | | | |
| 306 | ME | William F Wyman | 1507 | 3 | | 0.013 | 0.001 | 0.000 | 0.013 | 0.001 | 0.004 | | | | | | | | | | |
| 307 | ME | William F Wyman | 1507 | 1 | | 0.007 | 0.001 | 0.000 | 0.007 | 0.001 | 0.002 | | | | | | | | | | |
| 308 | ME | William F Wyman | 1507 | 2 | | 0.007 | 0.001 | 0.000 | 0.007 | 0.001 | 0.002 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## F.18 2015 EGU Ranking Visibility Impairing Sources to James River Face

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Muskingum River | 2872 | 5 | D028725 | 14.891 | 0.772 | 0.028 | 8.979 | 0.732 | 2.400 | 0.772 | 0.034 | 9.061 | 0.736 | 2.414 | 1.286 | 0.033 | 14.891 | 1.197 | 3.742 |
| 2 | PA | Homer City | 3122 | 1 | D031221 | 13.790 | 0.387 | 0.125 | 5.296 | 0.471 | 1.590 | 1.100 | 0.097 | 13.790 | 1.084 | 3.431 | 0.781 | 0.117 | 10.006 | 0.825 | 2.661 |
| 3 | PA | Homer City | 3122 | 2 | D031222 | 12.089 | 0.342 | 0.112 | 4.736 | 0.417 | 1.417 | 0.970 | 0.087 | 12.089 | 0.961 | 3.077 | 0.689 | 0.105 | 8.826 | 0.732 | 2.382 |
| 4 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 11.414 | 0.909 | 0.122 | 11.414 | 0.936 | 3.006 | 0.498 | 0.130 | 7.071 | 0.575 | 1.919 | 0.643 | 0.106 | 8.305 | 0.690 | 2.256 |
| 5 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 7.903 | 0.657 | 0.059 | 7.903 | 0.655 | 2.167 | 0.236 | 0.067 | 3.386 | 0.281 | 0.968 | 0.322 | 0.044 | 4.027 | 0.340 | 1.158 |
| 6 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 7.648 | 0.505 | 0.074 | 6.302 | 0.532 | 1.783 | 0.628 | 0.076 | 7.648 | 0.643 | 2.131 | 0.252 | 0.080 | 3.652 | 0.311 | 1.055 |
| 7 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 7.590 | 0.393 | 0.051 | 4.741 | 0.408 | 1.387 | 0.394 | 0.066 | 4.885 | 0.423 | 1.437 | 0.630 | 0.055 | 7.590 | 0.630 | 2.081 |
| 8 | WV | Harrison Power Station | | 1 (25%), 2 (209 | D03944C01 | 7.065 | 0.266 | 0.350 | 6.868 | 0.567 | 1.894 | 0.085 | 0.292 | 4.192 | 0.351 | 1.203 | 0.171 | 0.461 | 7.065 | 0.611 | 1.950 |
| 9 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 6.775 | 0.354 | 0.084 | 4.756 | 0.403 | 1.372 | 0.461 | 0.158 | 6.775 | 0.568 | 1.895 | 0.232 | 0.116 | 3.827 | 0.328 | 1.103 |
| 10 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 6.579 | 0.218 | 0.077 | 3.125 | 0.273 | 0.943 | 0.462 | 0.151 | 6.579 | 0.562 | 1.878 | 0.440 | 0.103 | 5.996 | 0.505 | 1.678 |
| 11 | IN | Tanners Creek | 988 | U4 | D00988U4 | 6.388 | 0.488 | 0.090 | 6.388 | 0.530 | 1.779 | 0.224 | 0.066 | 3.158 | 0.269 | 0.928 | 0.340 | 0.058 | 4.377 | 0.370 | 1.252 |
| 12 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 6.103 | 0.204 | 0.069 | 2.900 | 0.253 | 0.875 | 0.433 | 0.135 | 6.103 | 0.521 | 1.748 | 0.412 | 0.092 | 5.560 | 0.469 | 1.565 |
| 13 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 5.635 | 0.258 | 0.246 | 5.485 | 0.465 | 1.571 | 0.280 | 0.180 | 5.153 | 0.425 | 1.441 | 0.289 | 0.221 | 5.635 | 0.482 | 1.585 |
| 14 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 5.110 | 0.220 | 0.031 | 2.683 | 0.232 | 0.804 | 0.189 | 0.051 | 2.618 | 0.222 | 0.772 | 0.352 | 0.112 | 5.110 | 0.433 | 1.447 |
| 15 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 4.805 | 0.207 | 0.099 | 3.297 | 0.283 | 0.977 | 0.260 | 0.121 | 4.128 | 0.352 | 1.206 | 0.333 | 0.103 | 4.805 | 0.408 | 1.366 |
| 16 | OH | Killen Station | 6031 | 2 | D060312 | 4.522 | 0.207 | 0.168 | 4.425 | 0.347 | 1.190 | 0.183 | 0.126 | 3.719 | 0.287 | 0.989 | 0.175 | 0.233 | 4.522 | 0.392 | 1.291 |
| 17 | PA | Keystone | 3136 | 1 | D031361 | 4.207 | 0.110 | 0.111 | 2.389 | 0.206 | 0.716 | 0.270 | 0.085 | 4.207 | 0.328 | 1.126 | 0.172 | 0.139 | 3.429 | 0.297 | 0.994 |
| 18 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 4.084 | 0.092 | 0.077 | 1.667 | 0.157 | 0.552 | 0.222 | 0.122 | 4.084 | 0.319 | 1.095 | 0.160 | 0.102 | 2.885 | 0.249 | 0.843 |
| 19 | PA | Keystone | 3136 | 2 | D031362 | 4.075 | 0.106 | 0.109 | 2.313 | 0.199 | 0.695 | 0.259 | 0.084 | 4.075 | 0.316 | 1.087 | 0.164 | 0.137 | 3.320 | 0.287 | 0.964 |
| 20 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 3.857 | 0.108 | 0.125 | 2.575 | 0.217 | 0.754 | 0.099 | 0.127 | 2.479 | 0.210 | 0.733 | 0.159 | 0.190 | 3.857 | 0.335 | 1.111 |
| 21 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 3.775 | 0.313 | 0.019 | 3.629 | 0.306 | 1.053 | 0.306 | 0.036 | 3.775 | 0.316 | 1.085 | 0.259 | 0.025 | 3.112 | 0.263 | 0.906 |
| 22 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 3.531 | 0.217 | 0.049 | 2.912 | 0.246 | 0.854 | 0.217 | 0.100 | 3.531 | 0.294 | 1.012 | 0.145 | 0.042 | 2.047 | 0.176 | 0.605 |
| 23 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 3.521 | 0.125 | 0.068 | 2.125 | 0.179 | 0.624 | 0.194 | 0.065 | 2.781 | 0.240 | 0.832 | 0.214 | 0.106 | 3.521 | 0.302 | 1.019 |
| 24 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 3.347 | 0.121 | 0.076 | 2.077 | 0.184 | 0.642 | 0.169 | 0.131 | 3.241 | 0.278 | 0.961 | 0.157 | 0.146 | 3.347 | 0.290 | 0.971 |
| 25 | PA | Homer City | | 3 | D031223 | 3.284 | 0.049 | 0.148 | 2.042 | 0.185 | 0.645 | 0.145 | 0.133 | 3.284 | 0.259 | 0.896 | 0.075 | 0.119 | 2.145 | 0.189 | 0.633 |
| 26 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 3.232 | 0.126 | 0.068 | 2.076 | 0.180 | 0.630 | 0.176 | 0.116 | 3.171 | 0.270 | 0.934 | 0.163 | 0.130 | 3.232 | 0.280 | 0.939 |
| 27 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 3.075 | 0.203 | 0.076 | 3.015 | 0.258 | 0.892 | 0.119 | 0.039 | 1.710 | 0.147 | 0.516 | 0.086 | 0.191 | 3.075 | 0.270 | 0.896 |
| 28 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 2.975 | 0.194 | 0.077 | 2.975 | 0.251 | 0.869 | 0.089 | 0.059 | 1.589 | 0.137 | 0.483 | 0.141 | 0.053 | 2.130 | 0.183 | 0.629 |
| 29 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 2.966 | 0.175 | 0.096 | 2.966 | 0.251 | 0.870 | 0.172 | 0.098 | 2.954 | 0.250 | 0.868 | 0.178 | 0.069 | 2.708 | 0.233 | 0.793 |
| 30 | MI | Trenton Channel | 1745 | 9A | D017459A | 2.751 | 0.215 | 0.036 | 2.751 | 0.233 | 0.808 | 0.173 | 0.029 | 2.210 | 0.187 | 0.654 | 0.185 | 0.048 | 2.551 | 0.218 | 0.749 |
| 31 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 2.691 | 0.102 | 0.005 | 1.175 | 0.099 | 0.348 | 0.222 | 0.013 | 2.691 | 0.218 | 0.757 | 0.085 | 0.004 | 0.973 | 0.083 | 0.292 |
| 32 | GA | Yates | | Y6BR | D00728Y6R | 2.656 | 0.230 | 0.012 | 2.656 | 0.224 | 0.778 | 0.157 | 0.009 | 1.810 | 0.153 | 0.537 | 0.218 | 0.011 | 2.508 | 0.212 | 0.736 |
| 33 | PA | Cheswick | 8226 | 1 | D082261 | 2.638 | 0.028 | 0.108 | 1.456 | 0.128 | 0.449 | 0.065 | 0.070 | 2.638 | 0.126 | 0.445 | 0.026 | 0.094 | 1.333 | 0.119 | 0.398 |
| 34 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 2.585 | 0.082 | 0.035 | 1.456 | 0.109 | 0.385 | 0.055 | 0.078 | 1.447 | 0.125 | 0.440 | 0.106 | 0.128 | 2.585 | 0.226 | 0.758 |
| 35 | PA | Brunner Island | 3140 | 3 | D031403 | 2.559 | 0.169 | 0.053 | 2.559 | 0.206 | 0.717 | 0.102 | 0.037 | 1.583 | 0.128 | 0.451 | 0.064 | 0.112 | 1.946 | 0.171 | 0.576 |
| 36 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 2.533 | 0.128 | 0.034 | 1.778 | 0.150 | 0.527 | 0.205 | 0.022 | 2.533 | 0.210 | 0.731 | 0.131 | 0.038 | 1.851 | 0.159 | 0.549 |
| 37 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 2.461 | 0.153 | 0.069 | 2.454 | 0.206 | 0.717 | 0.103 | 0.058 | 1.791 | 0.150 | 0.526 | 0.167 | 0.057 | 2.461 | 0.211 | 0.723 |
| 38 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 2.427 | 0.208 | 0.017 | 2.427 | 0.209 | 0.727 | 0.068 | 0.019 | 0.983 | 0.080 | 0.285 | 0.104 | 0.015 | 1.299 | 0.111 | 0.388 |
| 39 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 2.308 | 0.172 | 0.010 | 1.845 | 0.168 | 0.589 | 0.208 | 0.015 | 2.308 | 0.206 | 0.718 | 0.122 | 0.015 | 1.505 | 0.129 | 0.449 |
| 40 | MI | Belle River | | 2 | D060342 | 2.257 | 0.146 | 0.058 | 2.257 | 0.189 | 0.660 | 0.116 | 0.058 | 1.917 | 0.162 | 0.566 | 0.108 | 0.064 | 1.885 | 0.163 | 0.559 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | MD | C P Crane | 1552 | 2 | D015522 | 2.224 | 0.042 | 0.027 | 0.850 | 0.064 | 0.228 | 0.089 | 0.123 | 2.224 | 0.197 | 0.688 | 0.026 | 0.029 | 0.607 | 0.053 | 0.183 |
| 42 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 2.218 | 0.189 | 0.014 | 2.218 | 0.187 | 0.654 | 0.134 | 0.014 | 1.612 | 0.137 | 0.480 | 0.099 | 0.008 | 1.169 | 0.100 | 0.350 |
| 43 | MI | St. Clair | 1743 | 7 | D017437 | 2.185 | 0.166 | 0.029 | **2.185** | 0.181 | 0.631 | 0.148 | 0.030 | **1.976** | 0.165 | 0.577 | 0.109 | 0.029 | **1.513** | 0.130 | 0.451 |
| 44 | MI | Belle River | | 1 | D060341 | 2.094 | 0.130 | 0.058 | **2.094** | 0.174 | 0.608 | 0.103 | 0.058 | **1.781** | 0.150 | 0.525 | 0.096 | 0.064 | **1.752** | 0.152 | 0.520 |
| 45 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 2.078 | 0.057 | 0.046 | **1.106** | 0.096 | 0.339 | 0.120 | 0.062 | **2.078** | 0.169 | 0.592 | 0.072 | 0.049 | **1.334** | 0.116 | 0.398 |
| 46 | MI | St. Clair | 1743 | 6 | D017436 | 2.007 | 0.173 | 0.015 | **2.007** | 0.174 | 0.607 | 0.165 | 0.018 | **1.972** | 0.169 | 0.593 | 0.118 | 0.018 | **1.491** | 0.127 | 0.444 |
| 47 | OH | Conesville | 2840 | 5,6 | D02840C06 | 1.948 | 0.077 | 0.081 | **1.651** | 0.148 | 0.518 | 0.060 | 0.112 | **1.948** | 0.160 | 0.562 | 0.054 | 0.084 | **1.525** | 0.134 | 0.454 |
| 48 | IL | Powerton | | 51,52,61,62 | D00879C06 | 1.893 | 0.067 | 0.044 | **1.192** | 0.104 | 0.366 | 0.117 | 0.058 | **1.893** | 0.162 | 0.568 | 0.089 | 0.030 | **1.304** | 0.112 | 0.390 |
| 49 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 1.886 | 0.109 | 0.058 | **1.886** | 0.155 | 0.544 | 0.087 | 0.058 | **1.614** | 0.135 | 0.473 | 0.078 | 0.069 | **1.623** | 0.142 | 0.483 |
| 50 | PA | Montour | 3149 | 1 | D031491 | 1.816 | 0.046 | 0.045 | **1.006** | 0.085 | 0.300 | 0.071 | 0.063 | **1.487** | 0.125 | 0.439 | 0.076 | 0.088 | **1.816** | 0.159 | 0.539 |
| 51 | PA | Montour | 3149 | 2 | D031492 | 1.661 | 0.037 | 0.045 | 0.926 | 0.077 | 0.273 | 0.058 | 0.062 | **1.369** | 0.113 | 0.397 | 0.063 | 0.088 | **1.661** | 0.146 | 0.494 |
| 52 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.603 | 0.098 | 0.007 | **1.140** | 0.098 | 0.346 | 0.132 | 0.014 | **1.603** | 0.136 | 0.477 | 0.104 | 0.012 | **1.267** | 0.108 | 0.379 |
| 53 | MI | J H Campbell | | 3 (50%) | D01710M3A | 1.510 | 0.072 | 0.008 | 0.890 | 0.075 | 0.264 | 0.138 | 0.009 | **1.510** | 0.137 | 0.480 | 0.085 | 0.009 | **1.023** | 0.087 | 0.307 |
| 54 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 1.485 | 0.113 | 0.011 | **1.347** | 0.114 | 0.402 | 0.110 | 0.011 | **1.322** | 0.112 | 0.395 | 0.124 | 0.011 | **1.485** | 0.127 | 0.443 |
| 55 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 1.435 | 0.041 | 0.028 | 0.737 | 0.064 | 0.227 | 0.086 | 0.038 | **1.435** | 0.115 | 0.406 | 0.051 | 0.032 | 0.910 | 0.079 | 0.274 |
| 56 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.418 | 0.052 | 0.050 | **1.084** | 0.095 | 0.335 | 0.095 | 0.057 | **1.418** | 0.141 | 0.496 | 0.057 | 0.060 | **1.291** | 0.113 | 0.386 |
| 57 | KY | Paradise | 1378 | 2 | D013782 | 1.333 | 0.031 | 0.012 | 0.456 | 0.040 | 0.143 | 0.103 | 0.016 | **1.333** | 0.110 | 0.387 | 0.052 | 0.013 | 0.702 | 0.060 | 0.212 |
| 58 | IA | Ottumwa | | 1 | D062541 | 1.332 | 0.028 | 0.019 | 0.482 | 0.044 | 0.157 | 0.079 | 0.048 | **1.332** | 0.119 | 0.418 | 0.039 | 0.017 | 0.608 | 0.053 | 0.184 |
| 59 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 1.310 | 0.039 | 0.057 | **1.022** | 0.090 | 0.319 | 0.055 | 0.062 | **1.310** | 0.110 | 0.387 | 0.046 | 0.055 | **1.120** | 0.098 | 0.336 |
| 60 | MD | C P Crane | 1552 | 1 | D015521 | 1.294 | 0.021 | 0.018 | 0.496 | 0.036 | 0.128 | 0.045 | 0.080 | **1.294** | 0.117 | 0.411 | 0.013 | 0.019 | 0.354 | 0.031 | 0.107 |
| 61 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.243 | 0.053 | 0.007 | 0.660 | 0.057 | 0.201 | 0.110 | 0.010 | **1.243** | 0.111 | 0.390 | 0.063 | 0.009 | 0.795 | 0.068 | 0.239 |
| 62 | OH | J M Stuart | 2850 | 4 | D028404 | 1.216 | 0.062 | 0.037 | **1.131** | 0.092 | 0.326 | 0.070 | 0.034 | **1.216** | 0.097 | 0.341 | 0.056 | 0.045 | **1.112** | 0.097 | 0.333 |
| 63 | TX | Big Brown | 3497 | 1 | | 1.187 | 0.103 | 0.006 | **1.187** | 0.101 | 0.357 | 0.059 | 0.007 | 0.710 | 0.061 | 0.217 | 0.089 | 0.002 | 0.999 | 0.085 | 0.300 |
| 64 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 1.184 | 0.103 | 0.007 | **1.184** | 0.101 | 0.356 | 0.084 | 0.006 | 0.987 | 0.084 | 0.297 | 0.070 | 0.006 | 0.832 | 0.071 | 0.250 |
| 65 | MD | Brandon Shores | 602 | 2 | D006022 | 1.156 | 0.027 | 0.017 | 0.461 | 0.042 | 0.148 | 0.061 | 0.045 | **1.156** | 0.099 | 0.348 | 0.021 | 0.016 | 0.403 | 0.035 | 0.122 |
| 66 | TX | Big Brown | 3497 | 2 | | 1.139 | 0.099 | 0.006 | **1.139** | 0.098 | 0.344 | 0.056 | 0.007 | 0.680 | 0.059 | 0.210 | 0.086 | 0.002 | 0.960 | 0.082 | 0.288 |
| 67 | MD | Brandon Shores | 602 | 1 | D006021 | 1.084 | 0.030 | 0.013 | 0.434 | 0.040 | 0.141 | 0.066 | 0.034 | **1.084** | 0.093 | 0.328 | 0.023 | 0.012 | 0.378 | 0.033 | 0.115 |
| 68 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 1.075 | 0.093 | 0.006 | **1.075** | 0.092 | 0.324 | 0.077 | 0.005 | 0.895 | 0.076 | 0.270 | 0.064 | 0.005 | 0.755 | 0.064 | 0.227 |
| 69 | KY | Paradise | 1378 | 1 | D01720C09 | 1.064 | 0.025 | 0.010 | 0.368 | 0.032 | 0.116 | 0.081 | 0.013 | **1.064** | 0.088 | 0.310 | 0.041 | 0.010 | 0.563 | 0.049 | 0.170 |
| 70 | OK | Northeastern | | 3313, 3314 | D02963C10 | 1.052 | 0.041 | 0.010 | 0.563 | 0.047 | 0.169 | 0.074 | 0.020 | **1.052** | 0.087 | 0.308 | 0.061 | 0.014 | 0.820 | 0.071 | 0.247 |
| 71 | IA | George Neal South | | 4 | D073434 | 1.033 | 0.025 | 0.019 | 0.471 | 0.041 | 0.146 | 0.059 | 0.033 | **1.033** | 0.086 | 0.304 | 0.022 | 0.014 | 0.399 | 0.035 | 0.121 |
| 72 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 1.000 | 0.035 | 0.058 | 0.962 | 0.087 | 0.308 | 0.027 | 0.051 | 0.745 | 0.073 | 0.259 | 0.037 | 0.053 | 1.000 | 0.088 | 0.300 |
| 73 | KY | Paradise | 1378 | 3 | D013783 | 0.966 | 0.020 | 0.020 | 0.450 | 0.038 | 0.135 | 0.066 | 0.031 | 0.966 | 0.090 | 0.319 | 0.033 | 0.030 | 0.689 | 0.060 | 0.208 |
| 74 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 0.906 | 0.087 | 0.002 | 0.906 | 0.082 | 0.291 | 0.080 | 0.002 | 0.835 | 0.076 | 0.268 | 0.071 | 0.002 | 0.797 | 0.068 | 0.240 |
| 75 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 0.869 | 0.039 | 0.040 | 0.831 | 0.074 | 0.262 | 0.030 | 0.037 | 0.642 | 0.062 | 0.220 | 0.041 | 0.038 | 0.869 | 0.076 | 0.261 |
| 76 | ME | William F Wyman | 1507 | 4 | D015074 | 0.865 | 0.018 | 0.002 | 0.228 | 0.019 | 0.067 | 0.022 | 0.002 | 0.275 | 0.023 | 0.080 | 0.062 | 0.017 | 0.865 | 0.075 | 0.260 |
| 77 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 0.840 | 0.056 | 0.019 | 0.800 | 0.070 | 0.249 | 0.046 | 0.015 | 0.644 | 0.057 | 0.201 | 0.051 | 0.026 | 0.840 | 0.073 | 0.253 |
| 78 | TX | Martin Lake | 6146 | 1 | | 0.833 | 0.067 | 0.010 | 0.833 | 0.071 | 0.253 | 0.038 | 0.012 | 0.530 | 0.046 | 0.164 | 0.058 | 0.004 | 0.672 | 0.057 | 0.203 |
| 79 | KY | Mill Creek | 1364 | 4 | D013644 | 0.822 | 0.007 | 0.040 | 0.493 | 0.045 | 0.159 | 0.011 | 0.039 | 0.695 | 0.047 | 0.168 | 0.013 | 0.061 | 0.822 | 0.074 | 0.247 |
| 80 | TX | Monticello | 6147 | 1 | | 0.805 | 0.068 | 0.005 | 0.805 | 0.068 | 0.241 | 0.039 | 0.006 | 0.496 | 0.042 | 0.148 | 0.059 | 0.002 | 0.665 | 0.057 | 0.201 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33 | D02535C01 | 0.798 | 0.032 | 0.006 | 0.412 | 0.035 | 0.126 | 0.060 | 0.015 | 0.798 | 0.070 | 0.246 | 0.041 | 0.007 | 0.516 | 0.044 | 0.156 |
| 82 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.791 | 0.007 | 0.008 | 0.132 | 0.014 | 0.051 | 0.046 | 0.015 | 0.791 | 0.057 | 0.202 | 0.018 | 0.011 | 0.318 | 0.028 | 0.097 |
| 83 | TX | Martin Lake | 6146 | 3 | | 0.789 | 0.063 | 0.010 | 0.789 | 0.068 | 0.240 | 0.036 | 0.011 | 0.502 | 0.044 | 0.156 | 0.055 | 0.004 | 0.637 | 0.054 | 0.192 |
| 84 | MD | Morgantown | 1573 | 1 | D015731 | 0.772 | 0.060 | 0.010 | 0.772 | 0.065 | 0.229 | 0.056 | 0.009 | 0.727 | 0.061 | 0.215 | 0.058 | 0.011 | 0.750 | 0.064 | 0.226 |
| 85 | MI | Monroe | 1733 | 1,2 | D01733C12 | 0.762 | 0.016 | 0.029 | 0.705 | 0.043 | 0.152 | 0.016 | 0.037 | 0.754 | 0.051 | 0.180 | 0.014 | 0.055 | 0.762 | 0.068 | 0.230 |
| 86 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 0.752 | 0.055 | 0.012 | 0.752 | 0.063 | 0.222 | 0.045 | 0.006 | 0.532 | 0.047 | 0.167 | 0.048 | 0.009 | 0.629 | 0.054 | 0.190 |
| 87 | MI | J C Weadock | | 7, 8 | D01720C09 | 0.752 | 0.050 | 0.014 | 0.701 | 0.060 | 0.213 | 0.041 | 0.010 | 0.552 | 0.047 | 0.169 | 0.049 | 0.019 | 0.752 | 0.065 | 0.226 |
| 88 | MO | Sibley | | 1, 2, 3 | D02094C01 | 0.737 | 0.036 | 0.020 | 0.582 | 0.053 | 0.187 | 0.046 | 0.026 | 0.737 | 0.067 | 0.237 | 0.035 | 0.014 | 0.531 | 0.046 | 0.161 |
| 89 | OH | Cardinal | 2828 | 3 | D028283 | 0.734 | 0.022 | 0.024 | 0.575 | 0.043 | 0.154 | 0.020 | 0.032 | 0.532 | 0.049 | 0.174 | 0.028 | 0.039 | 0.734 | 0.065 | 0.221 |
| 90 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 0.727 | 0.039 | 0.010 | 0.548 | 0.045 | 0.160 | 0.050 | 0.015 | 0.727 | 0.060 | 0.212 | 0.031 | 0.016 | 0.517 | 0.045 | 0.156 |
| 91 | MO | Labadie | | 4 | D021034 | 0.720 | 0.023 | 0.005 | 0.304 | 0.026 | 0.093 | 0.059 | 0.007 | 0.720 | 0.061 | 0.216 | 0.046 | 0.007 | 0.584 | 0.050 | 0.176 |
| 92 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 0.670 | 0.040 | 0.020 | 0.670 | 0.056 | 0.198 | 0.035 | 0.014 | 0.552 | 0.045 | 0.161 | 0.026 | 0.018 | 0.480 | 0.042 | 0.145 |
| 93 | TX | Martin Lake | 6146 | 2 | | 0.639 | 0.051 | 0.009 | 0.639 | 0.056 | 0.199 | 0.029 | 0.011 | 0.402 | 0.037 | 0.132 | 0.044 | 0.004 | 0.520 | 0.044 | 0.157 |
| 94 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.601 | 0.027 | 0.009 | 0.524 | 0.033 | 0.119 | 0.027 | 0.022 | 0.601 | 0.046 | 0.163 | 0.017 | 0.019 | 0.393 | 0.035 | 0.119 |
| 95 | OK | Grand River Dam Authority | | 1 | D001651 | 0.572 | 0.026 | 0.000 | 0.267 | 0.024 | 0.086 | 0.055 | 0.000 | 0.572 | 0.051 | 0.181 | 0.039 | 0.000 | 0.424 | 0.036 | 0.128 |
| 96 | GA | Scherer | | 4 | D062574 | 0.550 | 0.006 | 0.024 | 0.550 | 0.028 | 0.098 | 0.002 | 0.025 | 0.246 | 0.026 | 0.091 | 0.003 | 0.027 | 0.337 | 0.030 | 0.102 |
| 97 | GA | Scherer | | 1 | D062571 | 0.544 | 0.004 | 0.024 | 0.544 | 0.027 | 0.095 | 0.002 | 0.026 | 0.249 | 0.026 | 0.092 | 0.002 | 0.028 | 0.338 | 0.031 | 0.103 |
| 98 | NJ | B L England | 2378 | 2,3 | x12 | 0.538 | 0.013 | 0.014 | 0.302 | 0.026 | 0.092 | 0.019 | 0.030 | 0.538 | 0.047 | 0.165 | 0.016 | 0.017 | 0.362 | 0.032 | 0.110 |
| 99 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.489 | 0.010 | 0.008 | 0.214 | 0.017 | 0.060 | 0.025 | 0.017 | 0.489 | 0.039 | 0.140 | 0.017 | 0.009 | 0.287 | 0.025 | 0.087 |
| 100 | PA | Martins Creek | 3148 | 3,4 | x21 | 0.465 | 0.001 | 0.011 | 0.206 | 0.011 | 0.039 | 0.001 | 0.024 | 0.285 | 0.023 | 0.084 | 0.001 | 0.041 | 0.465 | 0.042 | 0.141 |
| 101 | NH | Newington | 8002 | 1 | D080021 | 0.425 | 0.010 | 0.004 | 0.159 | 0.013 | 0.046 | 0.011 | 0.002 | 0.169 | 0.012 | 0.043 | 0.025 | 0.014 | 0.425 | 0.037 | 0.129 |
| 102 | GA | Scherer | | 2 | D062572 | 0.415 | 0.002 | 0.019 | 0.415 | 0.020 | 0.072 | 0.001 | 0.020 | 0.188 | 0.020 | 0.070 | 0.001 | 0.022 | 0.256 | 0.023 | 0.078 |
| 103 | MA | Brayton Point | 1619 | 4 | x07 | 0.396 | 0.015 | 0.005 | 0.218 | 0.019 | 0.066 | 0.027 | 0.005 | 0.352 | 0.030 | 0.106 | 0.027 | 0.009 | 0.396 | 0.034 | 0.120 |
| 104 | DE | Indian River | 594 | 4 | D005944 | 0.368 | 0.010 | 0.002 | 0.140 | 0.012 | 0.041 | 0.014 | 0.003 | 0.182 | 0.015 | 0.054 | 0.032 | 0.002 | 0.368 | 0.031 | 0.112 |
| 105 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.349 | 0.004 | 0.017 | 0.349 | 0.020 | 0.071 | 0.003 | 0.025 | 0.336 | 0.027 | 0.097 | 0.003 | 0.021 | 0.262 | 0.024 | 0.080 |
| 106 | VA | Bremo Power Station | | 4 | D037964 | 0.341 | 0.000 | 0.027 | 0.219 | 0.025 | 0.091 | 0.000 | 0.035 | 0.341 | 0.033 | 0.119 | 0.000 | 0.017 | 0.186 | 0.017 | 0.056 |
| 107 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.333 | 0.018 | 0.005 | 0.275 | 0.022 | 0.078 | 0.019 | 0.010 | 0.333 | 0.027 | 0.098 | 0.012 | 0.011 | 0.255 | 0.022 | 0.077 |
| 108 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.316 | 0.005 | 0.025 | 0.316 | 0.028 | 0.101 | 0.004 | 0.020 | 0.259 | 0.022 | 0.079 | 0.002 | 0.012 | 0.158 | 0.014 | 0.048 |
| 109 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.313 | 0.022 | 0.005 | 0.313 | 0.025 | 0.090 | 0.021 | 0.006 | 0.306 | 0.025 | 0.090 | 0.015 | 0.005 | 0.217 | 0.019 | 0.066 |
| 110 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.312 | 0.021 | 0.005 | 0.312 | 0.025 | 0.089 | 0.021 | 0.006 | 0.305 | 0.025 | 0.089 | 0.015 | 0.005 | 0.216 | 0.019 | 0.066 |
| 111 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.304 | 0.003 | 0.016 | 0.273 | 0.017 | 0.062 | 0.003 | 0.022 | 0.304 | 0.024 | 0.084 | 0.002 | 0.021 | 0.259 | 0.023 | 0.079 |
| 112 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.285 | 0.004 | 0.005 | 0.285 | 0.008 | 0.027 | 0.003 | 0.014 | 0.278 | 0.017 | 0.059 | 0.002 | 0.020 | 0.250 | 0.023 | 0.076 |
| 113 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.283 | 0.004 | 0.004 | 0.283 | 0.007 | 0.024 | 0.003 | 0.013 | 0.253 | 0.015 | 0.052 | 0.002 | 0.017 | 0.213 | 0.019 | 0.065 |
| 114 | NH | Merrimack | 2364 | 2 | D023642 | 0.282 | 0.004 | 0.004 | 0.087 | 0.007 | 0.025 | 0.004 | 0.003 | 0.101 | 0.007 | 0.025 | 0.012 | 0.014 | 0.282 | 0.025 | 0.086 |
| 115 | MA | Canal Station | 1599 | 1 | D015991 | 0.279 | 0.015 | 0.002 | 0.186 | 0.016 | 0.056 | 0.024 | 0.001 | 0.279 | 0.023 | 0.083 | 0.019 | 0.003 | 0.238 | 0.021 | 0.072 |
| 116 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.244 | 0.015 | 0.005 | 0.215 | 0.019 | 0.066 | 0.013 | 0.003 | 0.177 | 0.016 | 0.056 | 0.016 | 0.007 | 0.244 | 0.021 | 0.074 |
| 117 | MA | Canal Station | 1599 | 2 | D015992 | 0.238 | 0.012 | 0.003 | 0.175 | 0.015 | 0.052 | 0.015 | 0.002 | 0.185 | 0.015 | 0.054 | 0.015 | 0.006 | 0.238 | 0.021 | 0.072 |
| 118 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.234 | 0.012 | 0.009 | 0.233 | 0.019 | 0.069 | 0.013 | 0.006 | 0.204 | 0.018 | 0.063 | 0.014 | 0.008 | 0.234 | 0.020 | 0.071 |
| 119 | WI | Columbia | | 1 | D080231 | 0.189 | 0.006 | 0.012 | 0.189 | 0.017 | 0.061 | 0.005 | 0.013 | 0.161 | 0.017 | 0.061 | 0.003 | 0.005 | 0.086 | 0.008 | 0.026 |
| 120 | WI | Columbia | | 2 | D080232 | 0.179 | 0.006 | 0.010 | 0.179 | 0.015 | 0.054 | 0.005 | 0.010 | 0.162 | 0.014 | 0.051 | 0.003 | 0.005 | 0.093 | 0.008 | 0.028 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | GA | Yates | | Y7BR | D00728Y7R | 0.139 | 0.000 | 0.012 | 0.139 | 0.012 | 0.042 | 0.000 | 0.009 | 0.095 | 0.009 | 0.031 | 0.000 | 0.012 | 0.131 | 0.012 | 0.040 |
| 122 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.131 | 0.006 | 0.003 | 0.100 | 0.008 | 0.030 | 0.005 | 0.006 | 0.123 | 0.011 | 0.038 | 0.008 | 0.004 | 0.131 | 0.011 | 0.040 |
| 123 | MA | Brayton Point | 1619 | 2 | D016192 | 0.111 | 0.003 | 0.005 | 0.064 | 0.007 | 0.025 | 0.004 | 0.001 | 0.069 | 0.005 | 0.016 | 0.005 | 0.005 | 0.111 | 0.010 | 0.034 |
| 124 | NH | Merrimack | 2364 | 1 | D023641 | 0.106 | 0.001 | 0.002 | 0.033 | 0.003 | 0.009 | 0.002 | 0.001 | 0.038 | 0.003 | 0.009 | 0.004 | 0.006 | 0.106 | 0.009 | 0.032 |
| 125 | NH | Schiller | 2367 | 4 | | 0.088 | 0.003 | 0.001 | 0.037 | 0.003 | 0.011 | 0.004 | 0.000 | 0.047 | 0.004 | 0.014 | 0.006 | 0.002 | 0.088 | 0.008 | 0.027 |
| 126 | NH | Schiller | 2367 | 6 | | 0.086 | 0.003 | 0.001 | 0.036 | 0.003 | 0.011 | 0.004 | 0.000 | 0.045 | 0.004 | 0.014 | 0.006 | 0.002 | 0.086 | 0.007 | 0.026 |
| 127 | MA | Brayton Point | 1619 | 1 | D016191 | 0.074 | 0.003 | 0.001 | 0.042 | 0.004 | 0.014 | 0.004 | 0.000 | 0.047 | 0.004 | 0.013 | 0.005 | 0.001 | 0.074 | 0.006 | 0.023 |
| 128 | MA | Brayton Point | 1619 | 3 | D016193 | 0.066 | 0.002 | 0.002 | 0.040 | 0.004 | 0.013 | 0.004 | 0.001 | 0.065 | 0.004 | 0.014 | 0.003 | 0.003 | 0.066 | 0.006 | 0.020 |
| 129 | KS | La Cygne | 1241 | 1 | | 0.052 | 0.003 | 0.000 | 0.040 | 0.003 | 0.011 | 0.004 | 0.000 | 0.052 | 0.004 | 0.015 | 0.003 | 0.000 | 0.033 | 0.003 | 0.010 |
| 130 | KS | La Cygne | | 2 | D012412 | 0.017 | 0.001 | 0.000 | 0.010 | 0.001 | 0.003 | 0.001 | 0.000 | 0.017 | 0.001 | 0.005 | 0.001 | 0.000 | 0.010 | 0.001 | 0.003 |

## F.19 2011 EGU Ranking Visibility Impairing Sources to Otter Creek

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 76.552 | 5.180 | 0.546 | 76.552 | 4.867 | 14.132 | 4.533 | 0.821 | 70.260 | 4.545 | 13.490 | 3.154 | 0.916 | 51.682 | 3.529 | 11.311 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 34.235 | 2.218 | 0.535 | 34.235 | 2.471 | 8.715 | 1.330 | 0.287 | 19.689 | 1.495 | 5.876 | 1.557 | 0.404 | 24.018 | 1.796 | 6.808 |
| 3 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 14.957 | 1.089 | 0.094 | 14.318 | 1.109 | 4.584 | 1.131 | 0.103 | 14.957 | 1.155 | 4.747 | 0.601 | 0.108 | 8.482 | 0.672 | 2.960 |
| 4 | PA | Homer City | 3122 | 2 | D031222 | 13.998 | 1.056 | 0.101 | 13.998 | 1.085 | 4.501 | 0.949 | 0.137 | 13.106 | 1.020 | 4.268 | 0.624 | 0.074 | 8.352 | 0.662 | 2.921 |
| 5 | PA | Homer City | 3122 | 1 | D031221 | 13.762 | 1.055 | 0.083 | 13.762 | 1.068 | 4.440 | 0.948 | 0.112 | 12.789 | 0.996 | 4.183 | 0.623 | 0.061 | 8.188 | 0.649 | 2.871 |
| 6 | PA | Cheswick | 8226 | 1 | D082261 | 13.489 | 0.903 | 0.216 | 13.489 | 1.048 | 4.369 | 0.770 | 0.235 | 12.081 | 0.943 | 3.992 | 0.531 | 0.236 | 9.192 | 0.726 | 3.172 |
| 7 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 12.741 | 0.870 | 0.151 | 12.304 | 0.960 | 4.053 | 0.926 | 0.131 | 12.741 | 0.992 | 4.170 | 0.713 | 0.085 | 9.563 | 0.754 | 3.281 |
| 8 | MI | Monroe | 1733 | 1,2 | D01733C12 | 11.990 | 0.555 | 0.219 | 9.269 | 0.732 | 3.195 | 0.632 | 0.365 | 11.990 | 0.937 | 3.967 | 0.561 | 0.386 | 11.382 | 0.891 | 3.800 |
| 9 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 11.515 | 0.716 | 0.092 | 9.694 | 0.764 | 3.320 | 0.862 | 0.095 | 11.515 | 0.901 | 3.837 | 0.698 | 0.074 | 9.247 | 0.730 | 3.189 |
| 10 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 11.338 | 0.609 | 0.335 | 11.338 | 0.888 | 3.788 | 0.525 | 0.189 | 8.541 | 0.676 | 2.978 | 0.690 | 0.250 | 11.295 | 0.885 | 3.776 |
| 11 | WV | Harrison Power Station | | 1 (25%), 2 (20 | D03944C01 | 10.608 | 0.322 | 0.557 | 10.608 | 0.833 | 3.583 | 0.233 | 0.544 | 9.398 | 0.741 | 3.233 | 0.333 | 0.531 | 10.422 | 0.819 | 3.530 |
| 12 | OH | Muskingum River | 2872 | 5 | D028725 | 9.458 | 0.716 | 0.072 | 9.458 | 0.746 | 3.251 | 0.419 | 0.038 | 5.438 | 0.436 | 1.996 | 0.545 | 0.060 | 7.223 | 0.575 | 2.572 |
| 13 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 9.427 | 0.614 | 0.173 | 9.427 | 0.744 | 3.242 | 0.650 | 0.074 | 8.664 | 0.685 | 3.015 | 0.420 | 0.074 | 5.888 | 0.471 | 2.144 |
| 14 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 9.414 | 0.523 | 0.181 | 8.418 | 0.667 | 2.941 | 0.587 | 0.199 | 9.414 | 0.743 | 3.238 | 0.463 | 0.196 | 7.883 | 0.626 | 2.778 |
| 15 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 8.987 | 0.360 | 0.258 | 7.394 | 0.588 | 2.626 | 0.466 | 0.284 | 8.987 | 0.710 | 3.111 | 0.206 | 0.327 | 6.398 | 0.511 | 2.310 |
| 16 | OH | Eastlake | | 5 | D028375 | 8.981 | 0.624 | 0.127 | 8.981 | 0.710 | 3.110 | 0.388 | 0.178 | 6.753 | 0.538 | 2.424 | 0.482 | 0.144 | 7.481 | 0.595 | 2.653 |
| 17 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 8.765 | 0.393 | 0.134 | 6.283 | 0.502 | 2.273 | 0.443 | 0.120 | 6.723 | 0.536 | 2.414 | 0.589 | 0.143 | 8.765 | 0.693 | 3.045 |
| 18 | OH | Conesville | 2840 | 5,6 | D02840C06 | 8.370 | 0.105 | 0.168 | 3.267 | 0.264 | 1.246 | 0.096 | 0.293 | 4.688 | 0.377 | 1.743 | 0.111 | 0.578 | 8.370 | 0.663 | 2.926 |
| 19 | WV | Albright Power Station | 3942 | 3 | D039423 | 8.050 | 0.447 | 0.144 | 7.059 | 0.562 | 2.521 | 0.517 | 0.156 | 8.050 | 0.638 | 2.829 | 0.476 | 0.166 | 7.679 | 0.610 | 2.715 |
| 20 | PA | Keystone | 3136 | 1 | D031361 | 7.934 | 0.480 | 0.183 | 7.934 | 0.629 | 2.793 | 0.376 | 0.276 | 7.807 | 0.620 | 2.754 | 0.428 | 0.206 | 7.583 | 0.602 | 2.685 |
| 21 | IN | Tanners Creek | 988 | U4 | D00988U4 | 7.910 | 0.564 | 0.098 | 7.910 | 0.628 | 2.786 | 0.370 | 0.065 | 5.178 | 0.415 | 1.909 | 0.251 | 0.060 | 3.696 | 0.298 | 1.399 |
| 22 | PA | Keystone | 3136 | 2 | D031362 | 7.895 | 0.478 | 0.182 | 7.895 | 0.626 | 2.781 | 0.375 | 0.274 | 7.764 | 0.616 | 2.741 | 0.427 | 0.205 | 7.546 | 0.600 | 2.673 |
| 23 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 7.787 | 0.102 | 0.540 | 7.787 | 0.618 | 2.748 | | | | | | | | | | |
| 24 | OH | Cardinal | 2828 | 3 | D028283 | 7.355 | 0.462 | 0.058 | 6.202 | 0.495 | 2.246 | 0.318 | 0.064 | 4.535 | 0.365 | 1.690 | 0.527 | 0.089 | 7.355 | 0.585 | 2.614 |
| 25 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 7.263 | 0.446 | 0.101 | 6.525 | 0.521 | 2.351 | 0.507 | 0.101 | 7.263 | 0.578 | 2.585 | 0.341 | 0.142 | 5.761 | 0.461 | 2.103 |
| 26 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 7.256 | 0.330 | 0.251 | 6.948 | 0.553 | 2.486 | 0.294 | 0.152 | 5.314 | 0.426 | 1.954 | 0.522 | 0.086 | 7.256 | 0.577 | 2.583 |
| 27 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 6.857 | 0.093 | 0.473 | 6.857 | 0.546 | 2.457 | | | | | | | | | | |
| 28 | MD | Morgantown | 1573 | 1 | D015731 | 6.348 | 0.519 | 0.014 | 6.348 | 0.507 | 2.294 | 0.169 | 0.015 | 2.176 | 0.177 | 0.847 | 0.184 | 0.018 | 2.386 | 0.194 | 0.925 |
| 29 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 6.243 | 0.494 | 0.030 | 6.243 | 0.499 | 2.260 | 0.251 | 0.074 | 3.869 | 0.312 | 1.460 | 0.276 | 0.068 | 4.084 | 0.329 | 1.535 |
| 30 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 5.966 | 0.440 | 0.040 | 5.705 | 0.457 | 2.084 | 0.457 | 0.044 | 5.966 | 0.477 | 2.170 | 0.243 | 0.046 | 3.427 | 0.277 | 1.303 |
| 31 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 5.724 | 0.181 | 0.296 | 5.724 | 0.458 | 2.090 | 0.163 | 0.175 | 4.030 | 0.325 | 1.516 | 0.138 | 0.243 | 4.571 | 0.367 | 1.703 |
| 32 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 5.676 | 0.070 | 0.100 | 2.018 | 0.164 | 0.788 | 0.238 | 0.237 | 5.676 | 0.454 | 2.074 | 0.086 | 0.160 | 2.949 | 0.239 | 1.131 |
| 33 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 5.654 | 0.384 | 0.091 | 5.654 | 0.453 | 2.067 | 0.222 | 0.043 | 3.140 | 0.254 | 1.200 | 0.140 | 0.027 | 1.975 | 0.160 | 0.771 |
| 34 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 5.519 | 0.365 | 0.099 | 5.519 | 0.442 | 2.023 | 0.282 | 0.093 | 4.459 | 0.359 | 1.665 | 0.279 | 0.157 | 5.200 | 0.417 | 1.916 |
| 35 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 5.434 | 0.360 | 0.096 | 5.434 | 0.435 | 1.994 | 0.278 | 0.091 | 4.388 | 0.353 | 1.640 | 0.275 | 0.153 | 5.111 | 0.410 | 1.886 |
| 36 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 5.311 | 0.342 | 0.057 | 4.743 | 0.381 | 1.762 | 0.389 | 0.057 | 5.311 | 0.426 | 1.953 | 0.262 | 0.079 | 4.049 | 0.326 | 1.522 |
| 37 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 5.253 | 0.190 | 0.028 | 2.580 | 0.209 | 0.997 | 0.342 | 0.099 | 5.253 | 0.421 | 1.934 | 0.289 | 0.039 | 3.885 | 0.313 | 1.465 |
| 38 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 5.198 | 0.319 | 0.077 | 4.709 | 0.378 | 1.750 | 0.385 | 0.052 | 5.198 | 0.417 | 1.915 | 0.237 | 0.048 | 3.383 | 0.273 | 1.287 |
| 39 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 5.111 | 0.033 | 0.389 | 5.111 | 0.410 | 1.886 | | | | | | | | | | |
| 40 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 4.959 | 0.059 | 0.030 | 1.058 | 0.086 | 0.421 | 0.203 | 0.103 | 3.639 | 0.294 | 1.379 | 0.304 | 0.113 | 4.959 | 0.398 | 1.835 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | MI | J H Campbell | | 3 (50%) | D01710M3A | 4.824 | 0.067 | 0.037 | 1.240 | 0.101 | 0.491 | 0.215 | 0.100 | 3.740 | 0.302 | 1.414 | 0.281 | 0.124 | 4.824 | 0.387 | 1.789 |
| 42 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 4.799 | 0.310 | 0.034 | 4.080 | 0.329 | 1.533 | 0.366 | 0.038 | 4.799 | 0.386 | 1.781 | 0.210 | 0.035 | 2.902 | 0.235 | 1.114 |
| 43 | MI | St. Clair | 1743 | 7 | D017437 | 4.767 | 0.372 | 0.029 | 4.767 | 0.383 | 1.770 | 0.319 | 0.050 | 4.392 | 0.353 | 1.641 | 0.254 | 0.033 | 3.406 | 0.275 | 1.295 |
| 44 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 4.697 | 0.300 | 0.036 | 3.987 | 0.321 | 1.501 | 0.354 | 0.041 | 4.697 | 0.377 | 1.746 | 0.190 | 0.033 | 2.633 | 0.213 | 1.016 |
| 45 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 4.422 | 0.161 | 0.208 | 4.422 | 0.356 | 1.652 | 0.145 | 0.123 | 3.195 | 0.258 | 1.220 | 0.123 | 0.172 | 3.521 | 0.284 | 1.337 |
| 46 | PA | Brunner Island | 3140 | 3 | D031403 | 4.399 | 0.149 | 0.218 | 4.399 | 0.354 | 1.644 | 0.213 | 0.096 | 3.675 | 0.296 | 1.391 | 0.079 | 0.060 | 1.650 | 0.134 | 0.649 |
| 47 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 4.375 | 0.274 | 0.094 | 4.375 | 0.352 | 1.636 | 0.223 | 0.141 | 4.338 | 0.349 | 1.623 | 0.189 | 0.094 | 3.364 | 0.272 | 1.281 |
| 48 | MI | Trenton Channel | 1745 | 9A | D017459A | 4.315 | 0.233 | 0.085 | 3.779 | 0.305 | 1.428 | 0.308 | 0.056 | 4.315 | 0.347 | 1.615 | 0.182 | 0.034 | 2.550 | 0.207 | 0.986 |
| 49 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 3.899 | 0.225 | 0.103 | 3.899 | 0.314 | 1.470 | | | | | | | | | | |
| 50 | IL | Powerton | | 51,52,61,62 | D00879C06 | 3.821 | 0.112 | 0.054 | 1.978 | 0.161 | 0.773 | 0.237 | 0.085 | 3.821 | 0.308 | 1.443 | 0.197 | 0.035 | 2.741 | 0.222 | 1.055 |
| 51 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 3.783 | 0.132 | 0.185 | 3.783 | 0.305 | 1.429 | 0.102 | 0.112 | 2.557 | 0.207 | 0.988 | 0.062 | 0.046 | 1.277 | 0.104 | 0.506 |
| 52 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 3.774 | 0.154 | 0.058 | 2.515 | 0.204 | 0.972 | 0.224 | 0.093 | 3.774 | 0.304 | 1.426 | 0.125 | 0.112 | 2.814 | 0.228 | 1.082 |
| 53 | PA | Homer City | | 3 | D031223 | 3.632 | 0.110 | 0.113 | 2.652 | 0.215 | 1.023 | 0.106 | 0.197 | 3.632 | 0.293 | 1.376 | 0.069 | 0.091 | 1.898 | 0.154 | 0.743 |
| 54 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 3.525 | 0.246 | 0.051 | 3.525 | 0.285 | 1.338 | 0.215 | 0.027 | 2.867 | 0.232 | 1.101 | 0.106 | 0.030 | 1.613 | 0.131 | 0.635 |
| 55 | MI | Belle River | | 2 | D060342 | 3.503 | 0.227 | 0.068 | 3.503 | 0.283 | 1.330 | 0.165 | 0.088 | 3.013 | 0.244 | 1.154 | 0.154 | 0.065 | 2.592 | 0.210 | 1.001 |
| 56 | PA | Montour | 3149 | 1 | D031491 | 3.468 | 0.090 | 0.200 | 3.468 | 0.280 | 1.318 | 0.091 | 0.029 | 1.421 | 0.116 | 0.561 | 0.117 | 0.115 | 2.769 | 0.224 | 1.066 |
| 57 | MI | Belle River | | 1 | D060341 | 3.452 | 0.223 | 0.068 | 3.452 | 0.279 | 1.312 | 0.162 | 0.088 | 2.974 | 0.241 | 1.140 | 0.151 | 0.065 | 2.557 | 0.207 | 0.988 |
| 58 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 3.407 | 0.085 | 0.177 | 3.140 | 0.254 | 1.200 | 0.053 | 0.231 | 3.407 | 0.275 | 1.296 | 0.086 | 0.140 | 2.705 | 0.219 | 1.043 |
| 59 | GA | Yates | | Y6BR | D00728Y6R | 3.261 | 0.271 | 0.005 | 3.261 | 0.264 | 1.244 | 0.140 | 0.018 | 1.861 | 0.151 | 0.729 | 0.194 | 0.011 | 2.422 | 0.196 | 0.938 |
| 60 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 3.258 | 0.126 | 0.069 | 2.319 | 0.188 | 0.900 | 0.118 | 0.070 | 2.225 | 0.181 | 0.865 | 0.194 | 0.081 | 3.258 | 0.263 | 1.243 |
| 61 | PA | Montour | 3149 | 2 | D031492 | 3.251 | 0.090 | 0.181 | 3.251 | 0.263 | 1.240 | 0.092 | 0.026 | 1.397 | 0.114 | 0.552 | 0.118 | 0.104 | 2.652 | 0.215 | 1.023 |
| 62 | WV | Longview Power | 56671 | 1 | | 3.195 | 0.133 | 0.135 | 3.195 | 0.258 | 1.220 | | | | | | | | | | |
| 63 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 3.157 | 0.204 | 0.062 | 3.157 | 0.255 | 1.207 | 0.090 | 0.109 | 2.370 | 0.192 | 0.919 | 0.170 | 0.060 | 2.736 | 0.222 | 1.054 |
| 64 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 3.129 | 0.154 | 0.016 | 2.001 | 0.163 | 0.781 | 0.238 | 0.026 | 3.129 | 0.253 | 1.196 | 0.129 | 0.012 | 1.668 | 0.136 | 0.655 |
| 65 | VA | Bremo Power Station | | 4 | D037964 | 3.024 | 0.141 | 0.113 | 3.024 | 0.245 | 1.158 | 0.105 | 0.045 | 1.786 | 0.145 | 0.700 | 0.063 | 0.043 | 1.260 | 0.103 | 0.499 |
| 66 | PA | Armstrong Power Station | | 1 | D031781 | 2.924 | 0.223 | 0.023 | 2.924 | 0.237 | 1.122 | 0.128 | 0.031 | 1.877 | 0.153 | 0.734 | | | | | |
| 67 | OH | Killen Station | 6031 | 2 | D060312 | 2.922 | 0.103 | 0.087 | 2.262 | 0.184 | 0.879 | 0.169 | 0.077 | 2.922 | 0.236 | 1.121 | 0.130 | 0.115 | 2.921 | 0.236 | 1.121 |
| 68 | PA | Armstrong Power Station | | 2 | D031782 | 2.890 | 0.219 | 0.025 | 2.890 | 0.234 | 1.110 | 0.125 | 0.033 | 1.870 | 0.152 | 0.732 | | | | | |
| 69 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 2.887 | 0.203 | 0.022 | 2.661 | 0.216 | 1.026 | 0.102 | 0.041 | 1.689 | 0.137 | 0.664 | 0.210 | 0.034 | 2.887 | 0.234 | 1.109 |
| 70 | KY | Paradise | 1378 | 3 | D013783 | 2.886 | 0.056 | 0.150 | 2.478 | 0.201 | 0.959 | 0.099 | 0.142 | 2.886 | 0.234 | 1.108 | 0.067 | 0.151 | 2.603 | 0.211 | 1.005 |
| 71 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 2.879 | 0.163 | 0.036 | 2.359 | 0.191 | 0.915 | 0.148 | 0.052 | 2.375 | 0.193 | 0.921 | 0.202 | 0.041 | 2.879 | 0.233 | 1.106 |
| 72 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 2.851 | 0.233 | 0.008 | 2.851 | 0.231 | 1.096 | 0.161 | 0.019 | 2.119 | 0.172 | 0.825 | 0.188 | 0.018 | 2.440 | 0.198 | 0.945 |
| 73 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 2.851 | 0.047 | 0.029 | 0.904 | 0.074 | 0.360 | 0.148 | 0.091 | 2.851 | 0.231 | 1.096 | 0.070 | 0.037 | 1.262 | 0.103 | 0.500 |
| 74 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 2.826 | 0.198 | 0.022 | 2.601 | 0.211 | 1.004 | 0.099 | 0.041 | 1.662 | 0.135 | 0.653 | 0.204 | 0.034 | 2.826 | 0.229 | 1.087 |
| 75 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 2.790 | 0.174 | 0.061 | 2.790 | 0.226 | 1.074 | 0.119 | 0.043 | 1.925 | 0.156 | 0.753 | 0.081 | 0.040 | 1.426 | 0.116 | 0.563 |
| 76 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.752 | 0.165 | 0.067 | 2.752 | 0.223 | 1.059 | 0.152 | 0.041 | 2.285 | 0.185 | 0.887 | 0.117 | 0.027 | 1.702 | 0.138 | 0.669 |
| 77 | MI | St. Clair | 1743 | 6 | D017436 | 2.644 | 0.203 | 0.018 | 2.610 | 0.211 | 1.008 | 0.193 | 0.030 | 2.644 | 0.214 | 1.020 | 0.151 | 0.025 | 2.076 | 0.169 | 0.810 |
| 78 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 2.644 | 0.215 | 0.009 | 2.644 | 0.214 | 1.020 | 0.148 | 0.020 | 1.992 | 0.162 | 0.778 | 0.174 | 0.020 | 2.286 | 0.185 | 0.888 |
| 79 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 2.634 | 0.167 | 0.037 | 2.412 | 0.196 | 0.934 | 0.196 | 0.027 | 2.634 | 0.213 | 1.016 | | | | | |
| 80 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 2.560 | 0.197 | 0.020 | 2.560 | 0.207 | 0.989 | 0.120 | 0.014 | 1.584 | 0.129 | 0.623 | 0.139 | 0.009 | 1.749 | 0.142 | 0.686 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 2.489 | 0.182 | 0.028 | **2.489** | 0.202 | 0.963 | 0.115 | 0.023 | **1.626** | 0.132 | 0.640 | 0.065 | 0.016 | 0.956 | 0.078 | 0.381 |
| 82 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 2.440 | 0.179 | 0.027 | **2.440** | 0.198 | 0.945 | | | | | | | | | | |
| 83 | OH | J M Stuart | 2850 | 4 | D028404 | 2.436 | 0.102 | 0.057 | **1.884** | 0.153 | 0.737 | 0.165 | 0.040 | **2.436** | 0.198 | 0.943 | 0.099 | 0.064 | **1.937** | 0.157 | 0.757 |
| 84 | KY | Ghent | 1356 | 3,4 … (2,3) | D01356C02 | 2.436 | 0.115 | 0.071 | **2.210** | 0.179 | 0.859 | 0.129 | 0.076 | **2.436** | 0.198 | 0.943 | 0.070 | 0.097 | **1.995** | 0.162 | 0.779 |
| 85 | GA | Yates | | Y7BR | D00728Y7R | 2.413 | 0.200 | 0.004 | **2.413** | 0.196 | 0.935 | 0.104 | 0.014 | **1.388** | 0.113 | 0.548 | 0.144 | 0.008 | **1.798** | 0.146 | 0.705 |
| 86 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 2.409 | 0.120 | 0.082 | **2.409** | 0.195 | 0.933 | | | | | | | | | | |
| 87 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 2.316 | 0.179 | 0.017 | **2.316** | 0.188 | 0.899 | 0.109 | 0.013 | **1.432** | 0.117 | 0.565 | 0.126 | 0.008 | **1.584** | 0.129 | 0.624 |
| 88 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33 | D02535C01 | 2.305 | 0.053 | 0.009 | 0.741 | 0.061 | 0.297 | 0.094 | 0.024 | **1.394** | 0.114 | 0.551 | 0.167 | 0.027 | **2.305** | 0.187 | 0.895 |
| 89 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 2.274 | 0.121 | 0.039 | **1.900** | 0.154 | 0.743 | 0.161 | 0.031 | **2.274** | 0.185 | 0.883 | 0.113 | 0.026 | **1.654** | 0.135 | 0.650 |
| 90 | KY | Paradise | 1378 | 2 | D013782 | 2.269 | 0.093 | 0.029 | **1.453** | 0.118 | 0.573 | 0.166 | 0.026 | **2.269** | 0.184 | 0.881 | 0.106 | 0.028 | **1.583** | 0.129 | 0.623 |
| 91 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 2.261 | 0.176 | 0.015 | **2.261** | 0.183 | 0.878 | 0.127 | 0.015 | **1.680** | 0.137 | 0.660 | 0.133 | 0.019 | **1.798** | 0.146 | 0.705 |
| 92 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 2.245 | 0.093 | 0.093 | **2.216** | 0.180 | 0.862 | 0.126 | 0.063 | **2.245** | 0.182 | 0.873 | 0.060 | 0.037 | **1.157** | 0.094 | 0.459 |
| 93 | IN | IPL - Harding Street Station (EW Stout) | 990 | 70 | D0099070 | 2.234 | 0.132 | 0.056 | **2.234** | 0.181 | 0.869 | | | | | | | | | | |
| 94 | OK | Northeastern | | 3313, 3314 | D02963C10 | 2.226 | 0.063 | 0.045 | **1.273** | 0.104 | 0.504 | 0.107 | 0.080 | **2.226** | 0.181 | 0.865 | 0.038 | 0.047 | **1.012** | 0.083 | 0.403 |
| 95 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 2.160 | 0.159 | 0.024 | **2.160** | 0.175 | 0.841 | | | | | | | | | | |
| 96 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 2.146 | 0.151 | 0.030 | **2.146** | 0.174 | 0.836 | | | | | | | | | | |
| 97 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 2.146 | 0.113 | 0.036 | **1.767** | 0.144 | 0.693 | 0.102 | 0.052 | **1.833** | 0.149 | 0.718 | 0.140 | 0.041 | **2.146** | 0.174 | 0.836 |
| 98 | KY | Mill Creek | 1364 | 4 | D013644 | 2.140 | 0.106 | 0.018 | **1.464** | 0.119 | 0.578 | 0.153 | 0.028 | **2.140** | 0.174 | 0.834 | 0.086 | 0.033 | **1.410** | 0.115 | 0.557 |
| 99 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 2.136 | 0.166 | 0.015 | **2.136** | 0.173 | 0.832 | 0.095 | 0.018 | **1.337** | 0.109 | 0.529 | 0.132 | 0.010 | **1.677** | 0.136 | 0.659 |
| 100 | MI | River Rouge | | 3 | D017403 | 2.099 | 0.106 | 0.071 | **2.099** | 0.170 | 0.818 | | | | | | | | | | |
| 101 | IN | Gibson | 6113 | 5 | D061135 | 2.071 | 0.129 | 0.046 | **2.071** | 0.168 | 0.808 | | | | | | | | | | |
| 102 | MD | Brandon Shores | 602 | 2 | D006022 | 2.023 | 0.028 | 0.136 | **1.967** | 0.160 | 0.768 | 0.024 | 0.144 | **2.023** | 0.164 | 0.790 | 0.042 | 0.075 | **1.390** | 0.113 | 0.549 |
| 103 | KY | Paradise | 1378 | 1 | D01720C09 | 2.009 | 0.082 | 0.028 | **1.301** | 0.106 | 0.515 | 0.145 | 0.025 | **2.009** | 0.163 | 0.785 | 0.093 | 0.027 | **1.413** | 0.115 | 0.558 |
| 104 | IN | Merom | | 2SG1 | D062132G1 | 1.985 | 0.155 | 0.013 | **1.985** | 0.161 | 0.775 | | | | | | | | | | |
| 105 | WV | John E Amos | 3935 | 3 | D039353 | 1.955 | 0.098 | 0.066 | **1.955** | 0.159 | 0.764 | | | | | | | | | | |
| 106 | MD | Brandon Shores | 602 | 1 | D006021 | 1.923 | 0.029 | 0.128 | **1.877** | 0.153 | 0.735 | 0.025 | 0.135 | **1.923** | 0.156 | 0.752 | 0.043 | 0.070 | **1.349** | 0.110 | 0.533 |
| 107 | GA | Scherer | | 4 | D062574 | 1.911 | 0.147 | 0.015 | **1.911** | 0.155 | 0.747 | 0.094 | 0.012 | **1.252** | 0.102 | 0.496 | 0.047 | 0.009 | 0.660 | 0.054 | 0.264 |
| 108 | PA | Portland | | 3 (2) | d031132 | 1.909 | 0.122 | 0.013 | **1.604** | 0.131 | 0.631 | 0.144 | 0.018 | **1.909** | 0.155 | 0.747 | 0.139 | 0.011 | **1.765** | 0.144 | 0.692 |
| 109 | IN | Gibson | 6113 | 4 | D061135 | 1.907 | 0.044 | 0.116 | **1.907** | 0.155 | 0.746 | | | | | | | | | | |
| 110 | OH | Eastlake | 2837 | 1 | D028371 | 1.904 | 0.137 | 0.024 | **1.904** | 0.155 | 0.745 | | | | | | | | | | |
| 111 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 1.899 | 0.134 | 0.026 | **1.899** | 0.154 | 0.743 | 0.105 | 0.025 | **1.537** | 0.125 | 0.605 | 0.108 | 0.032 | **1.658** | 0.135 | 0.652 |
| 112 | GA | Scherer | | 1 | D062571 | 1.876 | 0.142 | 0.017 | **1.876** | 0.152 | 0.734 | 0.091 | 0.014 | **1.236** | 0.101 | 0.490 | 0.045 | 0.010 | 0.656 | 0.054 | 0.263 |
| 113 | GA | Scherer | | 2 | D062572 | 1.859 | 0.142 | 0.015 | **1.859** | 0.151 | 0.728 | 0.091 | 0.013 | **1.222** | 0.100 | 0.484 | 0.045 | 0.009 | 0.646 | 0.053 | 0.259 |
| 114 | OH | Eastlake | 2837 | 2 | D028372 | 1.820 | 0.132 | 0.022 | **1.820** | 0.148 | 0.713 | | | | | | | | | | |
| 115 | OH | Cardinal | 2828 | 1 | D028281 | 1.819 | 0.120 | 0.034 | **1.819** | 0.148 | 0.713 | | | | | | | | | | |
| 116 | TX | Big Brown | 3497 | 2 | | 1.816 | 0.146 | 0.007 | **1.816** | 0.148 | 0.712 | 0.070 | 0.002 | 0.852 | 0.069 | 0.340 | 0.131 | 0.005 | **1.607** | 0.131 | 0.632 |
| 117 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 1.804 | 0.118 | 0.035 | **1.804** | 0.147 | 0.707 | | | | | | | | | | |
| 118 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.800 | 0.105 | 0.017 | **1.440** | 0.117 | 0.569 | 0.129 | 0.023 | **1.800** | 0.146 | 0.706 | 0.118 | 0.033 | **1.791** | 0.146 | 0.702 |
| 119 | IA | George Neal South | | 4 | D073434 | 1.798 | 0.088 | 0.035 | **1.461** | 0.119 | 0.576 | 0.122 | 0.030 | **1.798** | 0.146 | 0.705 | 0.047 | 0.019 | 0.780 | 0.064 | 0.312 |
| 120 | MD | C P Crane | 1552 | 2 | D015522 | 1.792 | 0.093 | 0.036 | **1.521** | 0.124 | 0.600 | 0.075 | 0.056 | **1.549** | 0.126 | 0.610 | 0.106 | 0.045 | **1.792** | 0.146 | 0.703 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | OH | W H Sammis | 2866 | 7 | D028667 | 1.765 | 0.036 | 0.112 | **1.765** | 0.143 | 0.692 | | | | | | | | | | |
| 122 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 1.747 | 0.110 | 0.037 | **1.747** | 0.142 | 0.686 | 0.085 | 0.034 | **1.402** | 0.114 | 0.554 | 0.084 | 0.042 | **1.493** | 0.122 | 0.589 |
| 123 | MO | New Madrid Power Plant | | 1 | D021671 | 1.742 | 0.032 | 0.114 | **1.742** | 0.142 | 0.684 | | | | | | | | | | |
| 124 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 1.735 | 0.024 | 0.120 | **1.735** | 0.141 | 0.681 | | | | | | | | | | |
| 125 | TX | Big Brown | 3497 | 1 | | 1.733 | 0.139 | 0.007 | **1.733** | 0.141 | 0.680 | 0.067 | 0.002 | 0.812 | 0.066 | 0.324 | 0.125 | 0.005 | **1.533** | 0.125 | 0.604 |
| 126 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 1.719 | 0.023 | 0.120 | **1.719** | 0.140 | 0.675 | | | | | | | | | | |
| 127 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 1.715 | 0.086 | 0.041 | **1.502** | 0.122 | 0.592 | 0.078 | 0.033 | **1.320** | 0.107 | 0.522 | 0.126 | 0.019 | **1.715** | 0.139 | 0.673 |
| 128 | MO | Labadie | | 4 | D021034 | 1.691 | 0.049 | 0.009 | 0.687 | 0.056 | 0.275 | 0.129 | 0.014 | **1.691** | 0.138 | 0.664 | 0.064 | 0.009 | 0.853 | 0.070 | 0.341 |
| 129 | MD | C P Crane | 1552 | 1 | D015521 | 1.614 | 0.084 | 0.032 | **1.371** | 0.112 | 0.542 | 0.068 | 0.049 | **1.389** | 0.113 | 0.549 | 0.096 | 0.040 | **1.614** | 0.131 | 0.635 |
| 130 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 1.593 | 0.024 | 0.108 | **1.593** | 0.130 | 0.627 | | | | | | | | | | |
| 131 | VA | Chesapeake Energy Center | | 4 | D038034 | 1.582 | 0.106 | 0.027 | **1.582** | 0.129 | 0.623 | 0.077 | 0.017 | **1.109** | 0.090 | 0.441 | 0.081 | 0.011 | **1.084** | 0.088 | 0.431 |
| 132 | OH | Eastlake | 2837 | 3 | D028373 | 1.582 | 0.114 | 0.020 | **1.582** | 0.129 | 0.623 | | | | | | | | | | |
| 133 | NH | Merrimack | 2364 | 2 | D023642 | 1.578 | 0.049 | 0.002 | 0.598 | 0.049 | 0.240 | 0.061 | 0.002 | 0.752 | 0.061 | 0.301 | 0.122 | 0.012 | **1.578** | 0.128 | 0.621 |
| 134 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 1.566 | 0.120 | 0.013 | **1.566** | 0.127 | 0.617 | | | | | | | | | | |
| 135 | OH | W H Sammis | 2866 | 6 | D02866M6A | 1.555 | 0.037 | 0.093 | **1.555** | 0.127 | 0.613 | | | | | | | | | | |
| 136 | NJ | B L England | 2378 | 1 | | 1.529 | 0.055 | 0.007 | 0.727 | 0.059 | 0.291 | 0.090 | 0.039 | **1.529** | 0.124 | 0.602 | 0.060 | 0.009 | 0.810 | 0.066 | 0.324 |
| 137 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 1.518 | 0.066 | 0.061 | **1.518** | 0.124 | 0.598 | | | | | | | | | | |
| 138 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 1.513 | 0.055 | 0.072 | **1.513** | 0.123 | 0.596 | | | | | | | | | | |
| 139 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 1.461 | 0.086 | 0.038 | **1.461** | 0.119 | 0.577 | | | | | | | | | | |
| 140 | OH | Cardinal | 2828 | 2 | D028282 | 1.458 | 0.087 | 0.036 | **1.458** | 0.119 | 0.575 | | | | | | | | | | |
| 141 | IA | Ottumwa | | 1 | D062541 | 1.434 | 0.046 | 0.016 | 0.736 | 0.060 | 0.295 | 0.092 | 0.029 | **1.434** | 0.117 | 0.566 | 0.055 | 0.016 | 0.841 | 0.069 | 0.336 |
| 142 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 1.434 | 0.032 | 0.010 | 0.502 | 0.041 | 0.202 | 0.080 | 0.041 | **1.434** | 0.117 | 0.566 | 0.044 | 0.019 | 0.741 | 0.060 | 0.297 |
| 143 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.424 | 0.029 | 0.090 | **1.424** | 0.116 | 0.562 | 0.024 | 0.071 | **1.146** | 0.093 | 0.455 | 0.032 | 0.038 | 0.841 | 0.069 | 0.336 |
| 144 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 1.422 | 0.058 | 0.052 | **1.310** | 0.107 | 0.519 | 0.097 | 0.023 | **1.422** | 0.116 | 0.562 | 0.054 | 0.012 | 0.775 | 0.063 | 0.310 |
| 145 | OH | Miami Fort Power Station | | 8 | D028328 | 1.416 | 0.058 | 0.061 | **1.416** | 0.115 | 0.559 | | | | | | | | | | |
| 146 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 1.415 | 0.066 | 0.053 | **1.415** | 0.115 | 0.559 | | | | | | | | | | |
| 147 | MN | Sherburne County | | 1, 2 | D06090CS1 | 1.412 | 0.059 | 0.043 | **1.212** | 0.099 | 0.481 | 0.073 | 0.046 | **1.412** | 0.115 | 0.558 | 0.026 | 0.019 | 0.531 | 0.043 | 0.213 |
| 148 | PA | Sunbury | | 4 | D031524 | 1.411 | 0.092 | 0.009 | **1.194** | 0.097 | 0.474 | 0.108 | 0.012 | **1.411** | 0.115 | 0.557 | 0.081 | 0.022 | **1.217** | 0.099 | 0.483 |
| 149 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 1.410 | 0.103 | 0.016 | **1.410** | 0.115 | 0.557 | | | | | | | | | | |
| 150 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 1.404 | 0.083 | 0.026 | **1.280** | 0.104 | 0.507 | 0.084 | 0.034 | **1.404** | 0.114 | 0.554 | 0.074 | 0.031 | **1.250** | 0.102 | 0.495 |
| 151 | TX | Martin Lake | 6146 | 1 | | 1.402 | 0.105 | 0.014 | **1.402** | 0.114 | 0.554 | 0.050 | 0.004 | 0.637 | 0.052 | 0.255 | 0.094 | 0.009 | **1.217** | 0.099 | 0.482 |
| 152 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 1.395 | 0.078 | 0.039 | **1.395** | 0.114 | 0.551 | 0.089 | 0.015 | **1.226** | 0.100 | 0.486 | 0.056 | 0.017 | 0.861 | 0.070 | 0.344 |
| 153 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.377 | 0.092 | 0.024 | **1.377** | 0.112 | 0.544 | 0.079 | 0.016 | **1.122** | 0.092 | 0.446 | 0.057 | 0.008 | 0.774 | 0.063 | 0.309 |
| 154 | MI | J C Weadock | | 7, 8 | D01720C09 | 1.370 | 0.084 | 0.019 | **1.220** | 0.099 | 0.484 | 0.089 | 0.027 | **1.370** | 0.112 | 0.541 | 0.076 | 0.024 | **1.184** | 0.096 | 0.470 |
| 155 | MO | New Madrid Power Plant | | 2 | D021672 | 1.368 | 0.030 | 0.084 | **1.368** | 0.111 | 0.541 | | | | | | | | | | |
| 156 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 1.327 | 0.070 | 0.005 | 0.880 | 0.072 | 0.351 | 0.065 | 0.008 | 0.869 | 0.071 | 0.347 | 0.105 | 0.007 | **1.327** | 0.108 | 0.525 |
| 157 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 1.326 | 0.081 | 0.031 | **1.326** | 0.108 | 0.524 | | | | | | | | | | |
| 158 | OH | Conesville | 2840 | 4 | D028504 | 1.310 | 0.077 | 0.033 | **1.310** | 0.107 | 0.519 | | | | | | | | | | |
| 159 | TX | Martin Lake | 6146 | 2 | | 1.293 | 0.098 | 0.012 | **1.293** | 0.105 | 0.512 | 0.047 | 0.003 | 0.590 | 0.048 | 0.237 | 0.088 | 0.008 | **1.126** | 0.092 | 0.447 |
| 160 | MI | Monroe | 1733 | 3,4 | D01733C34 | 1.288 | 0.041 | 0.067 | **1.288** | 0.105 | 0.510 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | IL | Joliet 29 | | 81, 82 | D00384C82 | 1.265 | 0.083 | 0.024 | **1.265** | 0.103 | 0.501 | | | | | | | | | | |
| 162 | OH | W H Sammis | 2866 | 5 | D028665 | 1.261 | 0.015 | 0.090 | **1.261** | 0.103 | 0.500 | | | | | | | | | | |
| 163 | IL | Newton | | 2 | D060172 | 1.260 | 0.092 | 0.015 | **1.260** | 0.103 | 0.499 | | | | | | | | | | |
| 164 | OK | Grand River Dam Authority | | 1 | D001651 | 1.245 | 0.032 | 0.019 | 0.607 | 0.050 | 0.243 | 0.072 | 0.033 | **1.245** | 0.101 | 0.493 | 0.027 | 0.026 | 0.626 | 0.051 | 0.251 |
| 165 | VA | Chesapeake Energy Center | | 3 | D038033 | 1.233 | 0.076 | 0.028 | **1.233** | 0.100 | 0.488 | 0.055 | 0.018 | 0.857 | 0.070 | 0.342 | 0.057 | 0.011 | 0.801 | 0.065 | 0.320 |
| 166 | AL | Greene County | 10 | 1 | | 1.223 | 0.095 | 0.009 | **1.223** | 0.100 | 0.485 | | | | | | | | | | |
| 167 | MO | Rush Island | | 2 | D061552 | 1.205 | 0.095 | 0.008 | **1.205** | 0.098 | 0.478 | | | | | | | | | | |
| 168 | TX | Martin Lake | 6146 | 3 | | 1.200 | 0.090 | 0.012 | **1.200** | 0.098 | 0.476 | 0.043 | 0.003 | 0.545 | 0.045 | 0.219 | 0.080 | 0.008 | **1.042** | 0.085 | 0.414 |
| 169 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 1.184 | 0.048 | 0.051 | **1.184** | 0.096 | 0.470 | | | | | | | | | | |
| 170 | KY | Ghent | 1356 | 1,2 ... (1,4) | D01356C01 | 1.182 | 0.050 | 0.049 | **1.182** | 0.096 | 0.469 | | | | | | | | | | |
| 171 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 1.174 | 0.031 | 0.033 | 0.758 | 0.062 | 0.303 | 0.049 | 0.050 | **1.174** | 0.096 | 0.466 | 0.037 | 0.037 | 0.885 | 0.072 | 0.353 |
| 172 | MO | Rush Island | | 1 | D061551 | 1.170 | 0.090 | 0.009 | **1.170** | 0.095 | 0.464 | | | | | | | | | | |
| 173 | WI | Nelson Dewey | 4054 | 2 | | 1.168 | 0.081 | 0.018 | **1.168** | 0.095 | 0.464 | | | | | | | | | | |
| 174 | PA | Portland | | 2 (1) | d031131 | 1.161 | 0.077 | 0.005 | 0.967 | 0.079 | 0.385 | 0.091 | 0.007 | **1.161** | 0.095 | 0.461 | 0.087 | 0.005 | **1.086** | 0.089 | 0.432 |
| 175 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 1.121 | 0.034 | 0.026 | 0.720 | 0.059 | 0.288 | 0.055 | 0.039 | **1.121** | 0.091 | 0.445 | 0.042 | 0.029 | 0.843 | 0.069 | 0.337 |
| 176 | MD | Morgantown | 1573 | 2 | D015732 | 1.100 | 0.082 | 0.011 | **1.100** | 0.090 | 0.437 | | | | | | | | | | |
| 177 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 1.093 | 0.027 | 0.065 | **1.093** | 0.089 | 0.434 | | | | | | | | | | |
| 178 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 1.080 | 0.060 | 0.004 | 0.748 | 0.061 | 0.299 | 0.053 | 0.006 | 0.699 | 0.057 | 0.280 | 0.086 | 0.006 | **1.080** | 0.088 | 0.429 |
| 179 | IN | Cayuga | 1001 | 2 | D010012 | 1.073 | 0.033 | 0.057 | **1.073** | 0.087 | 0.427 | | | | | | | | | | |
| 180 | PA | Sunbury | | 3 | D031523 | 1.065 | 0.079 | 0.009 | **1.044** | 0.085 | 0.415 | 0.079 | 0.011 | **1.065** | 0.087 | 0.424 | 0.073 | 0.014 | **1.026** | 0.084 | 0.408 |
| 181 | AR | Independence | | 1 | D066411 | 1.059 | 0.050 | 0.039 | **1.059** | 0.086 | 0.421 | | | | | | | | | | |
| 182 | SC | Jefferies | 3319 | 4 | | 1.057 | 0.034 | 0.001 | 0.421 | 0.034 | 0.170 | 0.059 | 0.005 | 0.758 | 0.062 | 0.303 | 0.087 | 0.003 | **1.057** | 0.086 | 0.420 |
| 183 | SC | Jefferies | 3319 | 3 | | 1.057 | 0.035 | 0.001 | 0.426 | 0.035 | 0.171 | 0.059 | 0.005 | 0.753 | 0.061 | 0.301 | 0.087 | 0.003 | **1.057** | 0.086 | 0.420 |
| 184 | TX | Monticello | 6147 | 1 | | 1.052 | 0.082 | 0.007 | **1.052** | 0.086 | 0.418 | 0.039 | 0.002 | 0.485 | 0.040 | 0.195 | 0.073 | 0.005 | 0.922 | 0.075 | 0.368 |
| 185 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 1.041 | 0.068 | 0.020 | **1.041** | 0.085 | 0.414 | | | | | | | | | | |
| 186 | NC | L V Sutton | | 3 | D027133 | 1.035 | 0.068 | 0.019 | **1.035** | 0.084 | 0.412 | 0.060 | 0.012 | 0.844 | 0.069 | 0.337 | 0.057 | 0.015 | 0.848 | 0.069 | 0.339 |
| 187 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 1.030 | 0.028 | 0.058 | **1.030** | 0.084 | 0.410 | | | | | | | | | | |
| 188 | NJ | B L England | 2378 | 2,3 | x12 | 1.016 | 0.017 | 0.010 | 0.320 | 0.026 | 0.129 | 0.028 | 0.057 | **1.016** | 0.083 | 0.405 | 0.018 | 0.012 | 0.368 | 0.030 | 0.148 |
| 189 | OH | J M Stuart | 2850 | 3 | D028503 | 1.016 | 0.038 | 0.047 | **1.016** | 0.083 | 0.404 | | | | | | | | | | |
| 190 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 1.015 | 0.047 | 0.038 | **1.015** | 0.083 | 0.404 | | | | | | | | | | |
| 191 | WI | Columbia | | 2 | D080232 | 1.015 | 0.062 | 0.020 | 0.973 | 0.079 | 0.388 | 0.059 | 0.019 | 0.932 | 0.076 | 0.371 | 0.070 | 0.016 | **1.015** | 0.083 | 0.404 |
| 192 | AR | Independence | | 2 | D066412 | 1.012 | 0.051 | 0.034 | **1.012** | 0.083 | 0.403 | | | | | | | | | | |
| 193 | AR | White Bluff | | 1 | D060091 | 1.009 | 0.052 | 0.033 | **1.009** | 0.082 | 0.402 | | | | | | | | | | |
| 194 | AR | White Bluff | | 2 | D060092 | 1.007 | 0.050 | 0.034 | **1.007** | 0.082 | 0.401 | | | | | | | | | | |
| 195 | NC | Cape Fear | 2708 | 6 | | 1.002 | 0.055 | 0.007 | 0.722 | 0.059 | 0.289 | 0.052 | 0.033 | **1.002** | 0.082 | 0.399 | 0.048 | 0.009 | 0.671 | 0.055 | 0.269 |
| 196 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 0.992 | 0.050 | 0.017 | 0.798 | 0.065 | 0.319 | 0.046 | 0.011 | 0.678 | 0.055 | 0.271 | 0.077 | 0.007 | 0.992 | 0.081 | 0.395 |
| 197 | TX | Monticello | 6147 | 2 | | 0.985 | 0.077 | 0.006 | 0.985 | 0.080 | 0.392 | | | | | | | | | | |
| 198 | IN | Cayuga | 1001 | 1 | D010011 | 0.977 | 0.029 | 0.053 | 0.977 | 0.080 | 0.389 | | | | | | | | | | |
| 199 | MN | Sherburne County | | 3 | D060903 | 0.948 | 0.056 | 0.024 | 0.948 | 0.077 | 0.378 | | | | | | | | | | |
| 200 | KS | La Cygne | | 2 | D012412 | 0.945 | 0.034 | 0.022 | 0.671 | 0.055 | 0.269 | 0.057 | 0.023 | 0.945 | 0.077 | 0.377 | 0.043 | 0.029 | 0.850 | 0.069 | 0.339 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | TX | Monticello | 6147 | 3 | | 0.945 | 0.069 | 0.011 | 0.945 | 0.077 | 0.377 | | | | | | | | | | |
| 202 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.938 | 0.060 | 0.019 | 0.938 | 0.077 | 0.374 | | | | | | | | | | |
| 203 | KY | East Bend | 6018 | 2 | D060182 | 0.937 | 0.032 | 0.047 | 0.937 | 0.076 | 0.374 | | | | | | | | | | |
| 204 | WI | Columbia | | 1 | D080231 | 0.935 | 0.061 | 0.018 | 0.935 | 0.076 | 0.373 | 0.058 | 0.017 | 0.891 | 0.073 | 0.355 | 0.067 | 0.011 | 0.928 | 0.076 | 0.370 |
| 205 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.910 | 0.066 | 0.011 | 0.910 | 0.074 | 0.363 | | | | | | | | | | |
| 206 | PA | Sunbury | | 1A, 1B | D03152CS1 | 0.900 | 0.065 | 0.007 | 0.851 | 0.069 | 0.340 | 0.068 | 0.009 | 0.900 | 0.073 | 0.359 | 0.057 | 0.013 | 0.823 | 0.067 | 0.329 |
| 207 | TX | Limestone | 298 | LIM2 | | 0.900 | 0.059 | 0.017 | 0.900 | 0.073 | 0.359 | | | | | | | | | | |
| 208 | SC | H B Robinson | | 1 | D032511 | 0.898 | 0.052 | 0.004 | 0.662 | 0.054 | 0.265 | 0.063 | 0.013 | 0.898 | 0.073 | 0.358 | 0.039 | 0.017 | 0.664 | 0.054 | 0.266 |
| 209 | IA | Louisa | | 101 | D06664101 | 0.896 | 0.046 | 0.029 | 0.896 | 0.073 | 0.358 | | | | | | | | | | |
| 210 | IA | George Neal North | | 3 | D010913 | 0.891 | 0.048 | 0.027 | 0.891 | 0.073 | 0.355 | | | | | | | | | | |
| 211 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.878 | 0.043 | 0.031 | 0.878 | 0.072 | 0.350 | | | | | | | | | | |
| 212 | OH | J M Stuart | 2850 | 1 | D028501 | 0.871 | 0.037 | 0.037 | 0.871 | 0.071 | 0.348 | | | | | | | | | | |
| 213 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.869 | 0.061 | 0.013 | 0.869 | 0.071 | 0.347 | | | | | | | | | | |
| 214 | MA | Brayton Point | 1619 | 3 | D016193 | 0.868 | 0.071 | 0.003 | 0.868 | 0.071 | 0.347 | 0.036 | 0.004 | 0.473 | 0.039 | 0.190 | 0.066 | 0.005 | 0.838 | 0.068 | 0.335 |
| 215 | AL | E C Gaston | 26 | 5 | | 0.857 | 0.032 | 0.040 | 0.857 | 0.070 | 0.342 | | | | | | | | | | |
| 216 | TX | Limestone | 298 | LIM1 | | 0.837 | 0.055 | 0.016 | 0.837 | 0.068 | 0.334 | | | | | | | | | | |
| 217 | OH | J M Stuart | 2850 | 2 | D028502 | 0.822 | 0.021 | 0.047 | 0.822 | 0.067 | 0.328 | | | | | | | | | | |
| 218 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.812 | 0.021 | 0.047 | 0.812 | 0.066 | 0.324 | | | | | | | | | | |
| 219 | SC | Canadys Steam | | CAN3 | D03280CN3 | 0.800 | 0.050 | 0.001 | 0.611 | 0.050 | 0.245 | 0.035 | 0.006 | 0.484 | 0.040 | 0.195 | 0.061 | 0.007 | 0.800 | 0.065 | 0.320 |
| 220 | NH | Merrimack | 2364 | 1 | D023641 | 0.779 | 0.025 | 0.001 | 0.298 | 0.024 | 0.120 | 0.031 | 0.001 | 0.373 | 0.031 | 0.150 | 0.061 | 0.005 | 0.779 | 0.064 | 0.311 |
| 221 | VA | Chesapeake Energy Center | | 2 | D038032 | 0.773 | 0.048 | 0.017 | 0.773 | 0.063 | 0.309 | 0.036 | 0.011 | 0.555 | 0.045 | 0.223 | 0.037 | 0.007 | 0.510 | 0.042 | 0.205 |
| 222 | DE | Indian River | 594 | 4 | D005944 | 0.765 | 0.021 | 0.006 | 0.323 | 0.026 | 0.130 | 0.060 | 0.005 | 0.765 | 0.062 | 0.306 | 0.058 | 0.002 | 0.714 | 0.058 | 0.286 |
| 223 | WI | Edgewater (4050) | 4050 | 5 | | 0.752 | 0.053 | 0.010 | 0.752 | 0.061 | 0.301 | | | | | | | | | | |
| 224 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.746 | 0.036 | 0.027 | 0.746 | 0.061 | 0.298 | | | | | | | | | | |
| 225 | KY | Green River | | 5 | D013575 | 0.718 | 0.051 | 0.010 | 0.718 | 0.059 | 0.288 | | | | | | | | | | |
| 226 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 0.709 | 0.049 | 0.012 | 0.709 | 0.058 | 0.284 | | | | | | | | | | |
| 227 | GA | Yates | | Y5BR | D00728Y5R | 0.699 | 0.058 | 0.002 | 0.699 | 0.057 | 0.280 | | | | | | | | | | |
| 228 | MO | Labadie | | 3 | D021033 | 0.694 | 0.050 | 0.009 | 0.694 | 0.057 | 0.278 | | | | | | | | | | |
| 229 | NE | Nebraska City Station | | 1 | D060961 | 0.674 | 0.044 | 0.013 | 0.674 | 0.055 | 0.270 | | | | | | | | | | |
| 230 | MO | Labadie | | 1 | D021031 | 0.665 | 0.048 | 0.008 | 0.665 | 0.054 | 0.266 | | | | | | | | | | |
| 231 | KY | Green River | | 4 | D013574 | 0.662 | 0.046 | 0.010 | 0.662 | 0.054 | 0.265 | | | | | | | | | | |
| 232 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.661 | 0.041 | 0.015 | 0.661 | 0.054 | 0.265 | | | | | | | | | | |
| 233 | TN | Cumberland | 3399 | 1 | | 0.660 | 0.030 | 0.026 | 0.660 | 0.054 | 0.264 | | | | | | | | | | |
| 234 | IL | Marion | | 4 | D009764 | 0.649 | 0.035 | 0.020 | 0.649 | 0.053 | 0.260 | | | | | | | | | | |
| 235 | VA | Chesapeake Energy Center | | 1 | D038031 | 0.630 | 0.035 | 0.018 | 0.630 | 0.051 | 0.253 | 0.026 | 0.012 | 0.448 | 0.037 | 0.180 | 0.026 | 0.007 | 0.397 | 0.032 | 0.160 |
| 236 | KY | D B Wilson | | W1 | D06823W1 | 0.630 | 0.043 | 0.010 | 0.630 | 0.051 | 0.253 | | | | | | | | | | |
| 237 | NC | Roxboro | 2712 | 2 | D027122 | 0.604 | 0.031 | 0.020 | 0.604 | 0.049 | 0.243 | | | | | | | | | | |
| 238 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.604 | 0.040 | 0.011 | 0.604 | 0.049 | 0.242 | | | | | | | | | | |
| 239 | GA | Bowen | 703 | 2BLR | D007032LR | 0.587 | 0.009 | 0.040 | 0.587 | 0.048 | 0.236 | | | | | | | | | | |
| 240 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.579 | 0.040 | 0.009 | 0.579 | 0.047 | 0.232 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | WI | Genoa | 4143 | 1 | | 0.572 | 0.035 | 0.013 | 0.572 | 0.047 | 0.230 | | | | | | | | | | |
| 242 | NC | Marshall | 2727 | 1,2 | x11 | 0.564 | 0.022 | 0.026 | 0.564 | 0.046 | 0.227 | | | | | | | | | | |
| 243 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.564 | 0.037 | 0.011 | 0.564 | 0.046 | 0.227 | | | | | | | | | | |
| 244 | NC | L V Sutton | | 1, 2 | D02713C02 | 0.557 | 0.039 | 0.008 | 0.557 | 0.046 | 0.224 | 0.037 | 0.006 | 0.504 | 0.041 | 0.203 | 0.040 | 0.007 | 0.555 | 0.045 | 0.223 |
| 245 | NC | Marshall | 2727 | 4 | D027274 | 0.530 | 0.017 | 0.027 | 0.530 | 0.043 | 0.213 | | | | | | | | | | |
| 246 | NC | Riverbend | 2732 | 9 | | 0.529 | 0.042 | 0.003 | 0.529 | 0.043 | 0.213 | | | | | | | | | | |
| 247 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.529 | 0.033 | 0.012 | 0.529 | 0.043 | 0.213 | | | | | | | | | | |
| 248 | NC | Belews Creek | 8042 | 2 | D080422 | 0.521 | 0.018 | 0.026 | 0.521 | 0.043 | 0.209 | | | | | | | | | | |
| 249 | GA | Bowen | 703 | 4BLR | D007034LR | 0.520 | 0.012 | 0.032 | 0.520 | 0.042 | 0.209 | | | | | | | | | | |
| 250 | PA | Shawville | 3131 | 1 | D031311 | 0.519 | 0.028 | 0.016 | 0.519 | 0.042 | 0.209 | | | | | | | | | | |
| 251 | NC | Belews Creek | 8042 | 1 | D080421 | 0.519 | 0.018 | 0.026 | 0.519 | 0.042 | 0.208 | | | | | | | | | | |
| 252 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.518 | 0.033 | 0.011 | 0.518 | 0.042 | 0.208 | | | | | | | | | | |
| 253 | KS | Nearman Creek | 6064 | N1 | | 0.511 | 0.020 | 0.023 | 0.511 | 0.042 | 0.205 | | | | | | | | | | |
| 254 | TX | Welsh Power Plant | 6139 | 3 | | 0.505 | 0.034 | 0.009 | 0.505 | 0.041 | 0.203 | | | | | | | | | | |
| 255 | PA | Shawville | 3131 | 2 | D031312 | 0.503 | 0.027 | 0.015 | 0.503 | 0.041 | 0.202 | | | | | | | | | | |
| 256 | GA | Bowen | 703 | 1BLR | D007031LR | 0.498 | 0.021 | 0.021 | 0.498 | 0.041 | 0.200 | | | | | | | | | | |
| 257 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 0.491 | 0.021 | 0.020 | 0.491 | 0.040 | 0.197 | | | | | | | | | | |
| 258 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.486 | 0.021 | 0.020 | 0.486 | 0.040 | 0.195 | | | | | | | | | | |
| 259 | TX | Welsh Power Plant | 6139 | 1 | | 0.483 | 0.032 | 0.009 | 0.483 | 0.039 | 0.194 | | | | | | | | | | |
| 260 | TX | Welsh Power Plant | 6139 | 2 | | 0.479 | 0.033 | 0.008 | 0.479 | 0.039 | 0.193 | | | | | | | | | | |
| 261 | KS | La Cygne | 1241 | 1 | | 0.414 | 0.021 | 0.013 | 0.414 | 0.034 | 0.167 | 0.025 | 0.008 | 0.383 | 0.031 | 0.154 | 0.018 | 0.008 | 0.316 | 0.026 | 0.127 |
| 262 | OK | Muskogee | 2952 | 4 | | 0.410 | 0.017 | 0.018 | 0.410 | 0.034 | 0.165 | | | | | | | | | | |
| 263 | NH | Newington | 8002 | 1 | D080021 | 0.402 | 0.009 | 0.001 | 0.118 | 0.010 | 0.048 | 0.010 | 0.001 | 0.129 | 0.011 | 0.052 | 0.029 | 0.005 | 0.402 | 0.033 | 0.162 |
| 264 | OK | Hugo | | 1 | D067721 | 0.402 | 0.026 | 0.008 | 0.402 | 0.033 | 0.162 | | | | | | | | | | |
| 265 | ME | William F Wyman | 1507 | 4 | D015074 | 0.397 | 0.004 | 0.001 | 0.055 | 0.004 | 0.022 | 0.010 | 0.002 | 0.138 | 0.011 | 0.056 | 0.027 | 0.006 | 0.397 | 0.032 | 0.160 |
| 266 | IL | Wood River Power Station | | 5 | D008985 | 0.394 | 0.025 | 0.008 | 0.394 | 0.032 | 0.159 | | | | | | | | | | |
| 267 | MO | Meramec | | 3 | D021043 | 0.379 | 0.026 | 0.007 | 0.379 | 0.031 | 0.153 | | | | | | | | | | |
| 268 | OK | Sooner | 6095 | 1 | | 0.379 | 0.020 | 0.012 | 0.379 | 0.031 | 0.153 | | | | | | | | | | |
| 269 | OK | Sooner | | 2 | D060952 | 0.375 | 0.020 | 0.012 | 0.375 | 0.031 | 0.151 | | | | | | | | | | |
| 270 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.370 | 0.015 | 0.016 | 0.370 | 0.030 | 0.149 | | | | | | | | | | |
| 271 | OK | Muskogee | | 5 | D029525 | 0.368 | 0.016 | 0.015 | 0.368 | 0.030 | 0.148 | | | | | | | | | | |
| 272 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.367 | 0.030 | 0.002 | 0.367 | 0.030 | 0.148 | | | | | | | | | | |
| 273 | NC | Roxboro | 2712 | 1 | D027121 | 0.362 | 0.019 | 0.011 | 0.362 | 0.030 | 0.146 | | | | | | | | | | |
| 274 | MO | Sikeston | | 1 | D067681 | 0.361 | 0.018 | 0.012 | 0.361 | 0.030 | 0.146 | | | | | | | | | | |
| 275 | MA | Brayton Point | 1619 | 2 | D016192 | 0.311 | 0.024 | 0.002 | 0.311 | 0.025 | 0.125 | 0.014 | 0.002 | 0.185 | 0.015 | 0.075 | 0.023 | 0.003 | 0.302 | 0.025 | 0.122 |
| 276 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.309 | 0.024 | 0.002 | 0.309 | 0.025 | 0.125 | | | | | | | | | | |
| 277 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.305 | 0.006 | 0.020 | 0.305 | 0.025 | 0.123 | | | | | | | | | | |
| 278 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.303 | 0.022 | 0.004 | 0.303 | 0.025 | 0.122 | 0.016 | 0.007 | 0.274 | 0.022 | 0.111 | | | | | |
| 279 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.297 | 0.019 | 0.006 | 0.297 | 0.024 | 0.120 | 0.009 | 0.006 | 0.171 | 0.014 | 0.069 | 0.008 | 0.005 | 0.160 | 0.013 | 0.065 |
| 280 | NC | Marshall | 2727 | 3 | D027273 | 0.296 | 0.018 | 0.007 | 0.296 | 0.024 | 0.120 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | MA | Brayton Point | 1619 | 1 | D016191 | 0.282 | 0.023 | 0.001 | 0.282 | 0.023 | 0.114 | 0.013 | 0.001 | 0.163 | 0.013 | 0.066 | 0.020 | 0.002 | 0.259 | 0.021 | 0.105 |
| 282 | GA | Bowen | 703 | 3BLR | D007033LR | 0.257 | 0.012 | 0.010 | 0.257 | 0.021 | 0.104 | | | | | | | | | | |
| 283 | SC | McMeekin | | MCM2 | D03287MM2 | 0.242 | 0.019 | 0.002 | 0.242 | 0.020 | 0.098 | | | | | | | | | | |
| 284 | SC | McMeekin | | MCM1 | D03287MM1 | 0.233 | 0.018 | 0.002 | 0.233 | 0.019 | 0.094 | | | | | | | | | | |
| 285 | NC | Cliffside | 2721 | 5 | D027215 | 0.225 | 0.009 | 0.010 | 0.225 | 0.018 | 0.091 | | | | | | | | | | |
| 286 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.206 | 0.014 | 0.004 | 0.206 | 0.017 | 0.083 | 0.009 | 0.005 | 0.166 | 0.014 | 0.067 | 0.008 | 0.004 | 0.142 | 0.012 | 0.057 |
| 287 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.192 | 0.013 | 0.003 | 0.192 | 0.016 | 0.078 | | | | | | | | | | |
| 288 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.180 | 0.013 | 0.002 | 0.180 | 0.015 | 0.073 | | | | | | | | | | |
| 289 | MA | Canal Station | 1599 | 1 | D015991 | 0.170 | 0.010 | 0.001 | 0.122 | 0.010 | 0.050 | 0.011 | 0.001 | 0.150 | 0.012 | 0.061 | 0.013 | 0.002 | 0.170 | 0.014 | 0.069 |
| 290 | NY | Northport | 2516 | 3 | D025163 | 0.164 | 0.012 | 0.002 | 0.164 | 0.013 | 0.066 | | | | | | | | | | |
| 291 | MA | Brayton Point | 1619 | 4 | x07 | 0.157 | 0.010 | 0.001 | 0.138 | 0.011 | 0.056 | 0.005 | 0.002 | 0.079 | 0.006 | 0.032 | 0.011 | 0.002 | 0.157 | 0.013 | 0.064 |
| 292 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.153 | 0.010 | 0.003 | 0.153 | 0.012 | 0.062 | | | | | | | | | | |
| 293 | CT | Middletown | 562 | 4 | | 0.151 | 0.011 | 0.002 | 0.151 | 0.012 | 0.061 | | | | | | | | | | |
| 294 | CT | New Haven Harbor | 6156 | NHB1 | | 0.147 | 0.010 | 0.002 | 0.147 | 0.012 | 0.060 | | | | | | | | | | |
| 295 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.136 | 0.008 | 0.003 | 0.136 | 0.011 | 0.055 | | | | | | | | | | |
| 296 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.134 | 0.008 | 0.004 | 0.134 | 0.011 | 0.054 | | | | | | | | | | |
| 297 | MA | Canal Station | 1599 | 2 | D015992 | 0.129 | 0.007 | 0.001 | 0.100 | 0.008 | 0.040 | 0.005 | 0.002 | 0.084 | 0.007 | 0.034 | 0.009 | 0.002 | 0.129 | 0.011 | 0.052 |
| 298 | DE | Edge Moor | 593 | 5 | D005935 | 0.124 | 0.007 | 0.003 | 0.124 | 0.010 | 0.050 | | | | | | | | | | |
| 299 | KS | Quindaro | 1295 | 2 | | 0.123 | 0.006 | 0.005 | 0.123 | 0.010 | 0.050 | | | | | | | | | | |
| 300 | MA | Salem Harbor Station | 1626 | 1 | | 0.110 | 0.004 | 0.000 | 0.051 | 0.004 | 0.021 | 0.006 | 0.000 | 0.076 | 0.006 | 0.031 | 0.008 | 0.002 | 0.110 | 0.009 | 0.045 |
| 301 | NH | Schiller | 2367 | 6 | | 0.100 | 0.002 | 0.000 | 0.030 | 0.002 | 0.012 | 0.003 | 0.000 | 0.042 | 0.003 | 0.017 | 0.007 | 0.002 | 0.100 | 0.008 | 0.041 |
| 302 | NH | Schiller | 2367 | 4 | | 0.099 | 0.002 | 0.000 | 0.030 | 0.002 | 0.012 | 0.003 | 0.000 | 0.041 | 0.003 | 0.017 | 0.007 | 0.002 | 0.099 | 0.008 | 0.040 |
| 303 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.069 | 0.003 | 0.002 | 0.069 | 0.006 | 0.028 | | | | | | | | | | |
| 304 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.058 | 0.005 | 0.000 | 0.058 | 0.005 | 0.023 | | | | | | | | | | |
| 305 | SC | Winyah | 6249 | 1 | D062491 | 0.026 | 0.001 | 0.001 | 0.026 | 0.002 | 0.010 | | | | | | | | | | |
| 306 | ME | William F Wyman | 1507 | 3 | | 0.006 | 0.000 | 0.000 | 0.006 | 0.000 | 0.002 | | | | | | | | | | |
| 307 | ME | William F Wyman | 1507 | 1 | | 0.003 | 0.000 | 0.000 | 0.003 | 0.000 | 0.001 | | | | | | | | | | |
| 308 | ME | William F Wyman | 1507 | 2 | | 0.003 | 0.000 | 0.000 | 0.003 | 0.000 | 0.001 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## F.20 2015 EGU Ranking Visibility Impairing Sources to Otter Creek

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | PA | Homer City | 3122 | 1 | D031221 | 19.981 | 1.399 | 0.217 | 19.981 | 1.497 | 5.884 | 1.258 | 0.294 | 18.569 | 1.437 | 5.690 | 0.826 | 0.162 | 11.889 | 0.929 | 3.940 |
| 2 | PA | Homer City | 3122 | 2 | D031222 | 17.613 | 1.235 | 0.199 | 17.613 | 1.333 | 5.350 | 1.110 | 0.270 | 16.490 | 1.283 | 5.182 | 0.729 | 0.146 | 10.508 | 0.826 | 3.554 |
| 3 | OH | Muskingum River | 2872 | 5 | D028725 | 15.101 | 1.162 | 0.088 | 15.101 | 1.171 | 4.800 | 0.680 | 0.046 | 8.683 | 0.688 | 3.026 | 0.885 | 0.073 | 11.532 | 0.902 | 3.842 |
| 4 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 14.196 | 0.805 | 0.347 | 14.196 | 1.077 | 4.473 | 0.694 | 0.196 | 10.694 | 0.839 | 3.604 | 0.913 | 0.259 | 14.143 | 1.096 | 4.539 |
| 5 | WV | Harrison Power Station | | 1 (25%), 2 (209 | D03944C01 | 11.177 | 0.335 | 0.590 | 11.177 | 0.876 | 3.744 | 0.243 | 0.577 | 9.902 | 0.781 | 3.385 | 0.347 | 0.563 | 10.980 | 0.861 | 3.688 |
| 6 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 11.069 | 0.768 | 0.116 | 10.690 | 0.834 | 3.588 | 0.817 | 0.101 | 11.069 | 0.865 | 3.704 | 0.629 | 0.065 | 8.308 | 0.658 | 2.907 |
| 7 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 8.692 | 0.539 | 0.176 | 8.692 | 0.677 | 2.982 | 0.323 | 0.095 | 4.999 | 0.399 | 1.838 | 0.378 | 0.133 | 6.098 | 0.487 | 2.213 |
| 8 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 8.478 | 0.393 | 0.112 | 6.077 | 0.481 | 2.185 | 0.443 | 0.100 | 6.503 | 0.517 | 2.337 | 0.589 | 0.119 | 8.478 | 0.671 | 2.959 |
| 9 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 7.552 | 0.379 | 0.190 | 7.552 | 0.541 | 2.437 | 0.293 | 0.179 | 6.098 | 0.451 | 2.060 | 0.290 | 0.303 | 7.102 | 0.565 | 2.534 |
| 10 | OH | Conesville | 2840 | 5,6 | D02840C06 | 7.179 | 0.149 | 0.127 | 2.802 | 0.266 | 1.253 | 0.136 | 0.222 | 4.021 | 0.345 | 1.606 | 0.157 | 0.438 | 7.179 | 0.571 | 2.559 |
| 11 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 6.890 | 0.355 | 0.170 | 6.890 | 0.500 | 2.266 | 0.274 | 0.161 | 5.567 | 0.416 | 1.910 | 0.271 | 0.271 | 6.492 | 0.518 | 2.340 |
| 12 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 6.852 | 0.308 | 0.253 | 6.561 | 0.536 | 2.413 | 0.275 | 0.153 | 5.018 | 0.409 | 1.883 | 0.488 | 0.087 | 6.852 | 0.546 | 2.455 |
| 13 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 6.836 | 0.223 | 0.219 | 5.624 | 0.424 | 1.945 | 0.289 | 0.241 | 6.836 | 0.506 | 2.290 | 0.128 | 0.278 | 4.867 | 0.391 | 1.804 |
| 14 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 6.659 | 0.344 | 0.150 | 5.955 | 0.471 | 2.146 | 0.386 | 0.165 | 6.659 | 0.525 | 2.369 | 0.305 | 0.163 | 5.577 | 0.447 | 2.042 |
| 15 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 6.521 | 0.414 | 0.046 | 5.490 | 0.438 | 2.007 | 0.499 | 0.047 | 6.521 | 0.519 | 2.345 | 0.404 | 0.036 | 5.237 | 0.420 | 1.928 |
| 16 | IN | Tanners Creek | 988 | U4 | D00988U4 | 6.173 | 0.430 | 0.084 | 6.173 | 0.490 | 2.222 | 0.282 | 0.056 | 4.041 | 0.324 | 1.511 | 0.192 | 0.052 | 2.884 | 0.233 | 1.108 |
| 17 | PA | Homer City | | 3 | D031223 | 6.149 | 0.145 | 0.221 | 4.490 | 0.353 | 1.639 | 0.141 | 0.386 | 6.149 | 0.507 | 2.294 | 0.090 | 0.178 | 3.213 | 0.260 | 1.227 |
| 18 | PA | Keystone | 3136 | 1 | D031361 | 6.055 | 0.321 | 0.176 | 6.055 | 0.475 | 2.160 | 0.252 | 0.265 | 5.958 | 0.494 | 2.242 | 0.286 | 0.198 | 5.787 | 0.463 | 2.111 |
| 19 | PA | Keystone | 3136 | 2 | D031362 | 5.859 | 0.307 | 0.173 | 5.859 | 0.459 | 2.094 | 0.241 | 0.261 | 5.762 | 0.480 | 2.182 | 0.274 | 0.195 | 5.600 | 0.448 | 2.049 |
| 20 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 5.810 | 0.147 | 0.334 | 5.810 | 0.462 | 2.108 | 0.132 | 0.197 | 4.090 | 0.317 | 1.483 | 0.112 | 0.274 | 4.639 | 0.373 | 1.726 |
| 21 | OH | Killen Station | 6031 | 2 | D060312 | 5.328 | 0.142 | 0.201 | 4.124 | 0.330 | 1.540 | 0.233 | 0.178 | 5.328 | 0.393 | 1.814 | 0.179 | 0.265 | 5.327 | 0.427 | 1.959 |
| 22 | PA | Cheswick | 8226 | 1 | D082261 | 5.145 | 0.100 | 0.213 | 5.145 | 0.303 | 1.419 | 0.086 | 0.231 | 4.608 | 0.306 | 1.435 | 0.059 | 0.232 | 3.506 | 0.283 | 1.331 |
| 23 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 5.036 | 0.179 | 0.030 | 2.474 | 0.201 | 0.959 | 0.322 | 0.108 | 5.036 | 0.410 | 1.888 | 0.272 | 0.042 | 3.725 | 0.300 | 1.409 |
| 24 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 4.925 | 0.342 | 0.070 | 4.925 | 0.394 | 1.815 | 0.198 | 0.033 | 2.735 | 0.221 | 1.053 | 0.125 | 0.021 | 1.720 | 0.140 | 0.675 |
| 25 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 4.872 | 0.206 | 0.089 | 4.872 | 0.283 | 1.332 | 0.180 | 0.134 | 4.472 | 0.302 | 1.417 | 0.125 | 0.150 | 3.289 | 0.266 | 1.254 |
| 26 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 4.612 | 0.187 | 0.168 | 4.249 | 0.341 | 1.586 | 0.316 | 0.073 | 4.612 | 0.372 | 1.721 | 0.174 | 0.038 | 2.515 | 0.204 | 0.973 |
| 27 | MI | Trenton Channel | 1745 | 9A | D017459A | 4.088 | 0.223 | 0.077 | 3.580 | 0.287 | 1.350 | 0.294 | 0.050 | 4.088 | 0.329 | 1.536 | 0.173 | 0.031 | 2.416 | 0.196 | 0.936 |
| 28 | PA | Brunner Island | 3140 | 3 | D031403 | 3.945 | 0.127 | 0.209 | 3.945 | 0.324 | 1.514 | 0.181 | 0.092 | 3.295 | 0.262 | 1.238 | 0.067 | 0.058 | 1.480 | 0.120 | 0.584 |
| 29 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 3.829 | 0.135 | 0.183 | 3.829 | 0.307 | 1.438 | 0.105 | 0.111 | 2.588 | 0.209 | 0.996 | 0.063 | 0.046 | 1.293 | 0.105 | 0.512 |
| 30 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 3.566 | 0.163 | 0.047 | 2.376 | 0.203 | 0.967 | 0.238 | 0.076 | 3.566 | 0.301 | 1.412 | 0.132 | 0.091 | 2.659 | 0.215 | 1.026 |
| 31 | MI | Belle River | | 2 | D060342 | 3.562 | 0.225 | 0.074 | 3.562 | 0.286 | 1.344 | 0.163 | 0.095 | 3.064 | 0.249 | 1.178 | 0.152 | 0.070 | 2.636 | 0.214 | 1.017 |
| 32 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 3.474 | 0.112 | 0.102 | 2.473 | 0.207 | 0.988 | 0.105 | 0.103 | 2.373 | 0.201 | 0.958 | 0.173 | 0.119 | 3.474 | 0.281 | 1.320 |
| 33 | MI | J H Campbell | | 3 (50%) | D01710M3A | 3.393 | 0.061 | 0.010 | 0.872 | 0.068 | 0.333 | 0.194 | 0.027 | 2.632 | 0.211 | 1.007 | 0.253 | 0.033 | 3.393 | 0.274 | 1.291 |
| 34 | MI | St. Clair | 1743 | 7 | D017437 | 3.393 | 0.252 | 0.028 | 3.393 | 0.268 | 1.265 | 0.216 | 0.050 | 3.126 | 0.255 | 1.205 | 0.172 | 0.033 | 2.424 | 0.197 | 0.939 |
| 35 | MI | Belle River | | 1 | D060341 | 3.284 | 0.199 | 0.074 | 3.284 | 0.262 | 1.236 | 0.145 | 0.095 | 2.829 | 0.231 | 1.099 | 0.135 | 0.070 | 2.433 | 0.197 | 0.942 |
| 36 | MI | St. Clair | 1743 | 6 | D017436 | 3.230 | 0.259 | 0.016 | 3.189 | 0.263 | 1.240 | 0.247 | 0.027 | 3.230 | 0.262 | 1.236 | 0.193 | 0.022 | 2.537 | 0.206 | 0.981 |
| 37 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 3.189 | 0.045 | 0.010 | 0.681 | 0.053 | 0.262 | 0.154 | 0.035 | 2.340 | 0.182 | 0.871 | 0.230 | 0.039 | 3.189 | 0.258 | 1.218 |
| 38 | PA | Montour | 3149 | 1 | D031491 | 3.090 | 0.073 | 0.192 | 3.090 | 0.257 | 1.216 | 0.075 | 0.027 | 1.266 | 0.099 | 0.481 | 0.096 | 0.111 | 2.467 | 0.200 | 0.955 |
| 39 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 2.903 | 0.170 | 0.071 | 2.903 | 0.232 | 1.101 | 0.116 | 0.051 | 2.002 | 0.161 | 0.773 | 0.079 | 0.046 | 1.484 | 0.121 | 0.585 |
| 40 | GA | Yates | | Y6BR | D00728Y6R | 2.889 | 0.237 | 0.005 | 2.889 | 0.232 | 1.100 | 0.122 | 0.019 | 1.649 | 0.136 | 0.658 | 0.170 | 0.012 | 2.146 | 0.174 | 0.836 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 2.808 | 0.192 | 0.020 | 2.544 | 0.203 | 0.968 | 0.231 | 0.013 | 2.808 | 0.234 | 1.111 | 0.143 | 0.012 | 1.828 | 0.149 | 0.716 |
| 42 | PA | Montour | 3149 | 2 | D031492 | 2.766 | 0.060 | 0.191 | 2.766 | 0.244 | 1.157 | 0.062 | 0.027 | 1.189 | 0.086 | 0.418 | 0.079 | 0.110 | 2.256 | 0.183 | 0.877 |
| 43 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 2.715 | 0.157 | 0.067 | 2.715 | 0.216 | 1.027 | 0.128 | 0.101 | 2.692 | 0.221 | 1.050 | 0.108 | 0.067 | 2.087 | 0.169 | 0.814 |
| 44 | IL | Powerton | | 51,52,61,62 | D00879C06 | 2.676 | 0.076 | 0.045 | 1.385 | 0.117 | 0.567 | 0.161 | 0.070 | 2.676 | 0.222 | 1.055 | 0.134 | 0.028 | 1.920 | 0.156 | 0.751 |
| 45 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 2.622 | 0.131 | 0.073 | 2.379 | 0.197 | 0.941 | 0.147 | 0.078 | 2.622 | 0.217 | 1.034 | 0.080 | 0.100 | 2.148 | 0.174 | 0.836 |
| 46 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 2.555 | 0.198 | 0.018 | 2.555 | 0.207 | 0.988 | 0.113 | 0.023 | 1.600 | 0.131 | 0.631 | 0.158 | 0.012 | 2.006 | 0.163 | 0.783 |
| 47 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 2.500 | 0.153 | 0.055 | 2.500 | 0.200 | 0.956 | 0.141 | 0.034 | 2.076 | 0.168 | 0.807 | 0.109 | 0.022 | 1.547 | 0.126 | 0.609 |
| 48 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 2.454 | 0.191 | 0.015 | 2.454 | 0.198 | 0.944 | 0.116 | 0.011 | 1.518 | 0.122 | 0.593 | 0.135 | 0.007 | 1.677 | 0.136 | 0.659 |
| 49 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 2.273 | 0.046 | 0.014 | 0.721 | 0.058 | 0.282 | 0.144 | 0.044 | 2.273 | 0.181 | 0.865 | 0.068 | 0.018 | 1.007 | 0.082 | 0.401 |
| 50 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 2.262 | 0.108 | 0.076 | 2.262 | 0.178 | 0.854 | 0.048 | 0.134 | 1.698 | 0.177 | 0.849 | 0.090 | 0.075 | 1.959 | 0.159 | 0.766 |
| 51 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 2.244 | 0.148 | 0.014 | 1.908 | 0.156 | 0.749 | 0.174 | 0.016 | 2.244 | 0.183 | 0.875 | 0.100 | 0.015 | 1.357 | 0.111 | 0.537 |
| 52 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 2.225 | 0.174 | 0.013 | 2.225 | 0.179 | 0.860 | 0.106 | 0.010 | 1.376 | 0.111 | 0.539 | 0.123 | 0.006 | 1.522 | 0.124 | 0.600 |
| 53 | IN | Michigan City Generating Station | | 12 | D0099712 | 2.136 | 0.133 | 0.015 | 1.709 | 0.142 | 0.687 | 0.164 | 0.021 | 2.136 | 0.177 | 0.849 | 0.149 | 0.030 | 2.125 | 0.172 | 0.828 |
| 54 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 1.996 | 0.087 | 0.053 | 1.643 | 0.135 | 0.652 | 0.078 | 0.077 | 1.704 | 0.150 | 0.724 | 0.107 | 0.061 | 1.996 | 0.162 | 0.779 |
| 55 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 1.982 | 0.111 | 0.011 | 1.736 | 0.116 | 0.564 | 0.101 | 0.008 | 1.525 | 0.105 | 0.512 | 0.163 | 0.005 | 1.982 | 0.161 | 0.774 |
| 56 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.949 | 0.088 | 0.052 | 1.797 | 0.136 | 0.655 | 0.054 | 0.068 | 1.949 | 0.119 | 0.577 | 0.089 | 0.041 | 1.548 | 0.126 | 0.610 |
| 57 | OH | Cardinal | 2828 | 3 | D028283 | 1.760 | 0.037 | 0.068 | 1.484 | 0.102 | 0.498 | 0.025 | 0.075 | 1.085 | 0.098 | 0.476 | 0.042 | 0.105 | 1.760 | 0.143 | 0.690 |
| 58 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 1.736 | 0.028 | 0.066 | 1.560 | 0.092 | 0.447 | 0.032 | 0.066 | 1.736 | 0.096 | 0.465 | 0.021 | 0.094 | 1.377 | 0.112 | 0.544 |
| 59 | OH | J M Stuart | 2850 | 4 | D028404 | 1.589 | 0.050 | 0.051 | 1.229 | 0.098 | 0.476 | 0.081 | 0.036 | 1.589 | 0.113 | 0.548 | 0.048 | 0.058 | 1.264 | 0.103 | 0.501 |
| 60 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 1.585 | 0.051 | 0.035 | 1.024 | 0.083 | 0.404 | 0.082 | 0.052 | 1.585 | 0.129 | 0.623 | 0.062 | 0.039 | 1.195 | 0.097 | 0.474 |
| 61 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 1.553 | 0.053 | 0.031 | 0.998 | 0.081 | 0.395 | 0.085 | 0.046 | 1.553 | 0.126 | 0.611 | 0.064 | 0.034 | 1.169 | 0.095 | 0.464 |
| 62 | MD | Morgantown | 1573 | 1 | D015731 | 1.496 | 0.095 | 0.011 | 1.496 | 0.102 | 0.495 | 0.031 | 0.011 | 0.513 | 0.041 | 0.202 | 0.034 | 0.014 | 0.562 | 0.046 | 0.226 |
| 63 | TX | Big Brown | 3497 | 1 | | 1.421 | 0.113 | 0.007 | 1.421 | 0.116 | 0.562 | 0.055 | 0.002 | 0.666 | 0.054 | 0.266 | 0.102 | 0.005 | 1.257 | 0.102 | 0.498 |
| 64 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 1.402 | 0.031 | 0.047 | 1.252 | 0.076 | 0.371 | 0.035 | 0.048 | 1.402 | 0.080 | 0.392 | 0.024 | 0.066 | 1.069 | 0.087 | 0.425 |
| 65 | TX | Big Brown | 3497 | 2 | | 1.366 | 0.109 | 0.007 | 1.366 | 0.112 | 0.542 | 0.052 | 0.002 | 0.641 | 0.052 | 0.256 | 0.098 | 0.005 | 1.209 | 0.099 | 0.479 |
| 66 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 1.354 | 0.105 | 0.012 | 1.354 | 0.112 | 0.545 | 0.066 | 0.009 | 0.885 | 0.073 | 0.356 | 0.038 | 0.006 | 0.520 | 0.043 | 0.209 |
| 67 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 1.334 | 0.062 | 0.031 | 1.093 | 0.090 | 0.439 | 0.056 | 0.046 | 1.100 | 0.099 | 0.480 | 0.077 | 0.036 | 1.334 | 0.109 | 0.527 |
| 68 | MD | C P Crane | 1552 | 2 | D015522 | 1.312 | 0.046 | 0.045 | 1.114 | 0.089 | 0.432 | 0.037 | 0.071 | 1.134 | 0.105 | 0.511 | 0.052 | 0.058 | 1.312 | 0.107 | 0.519 |
| 69 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 1.233 | 0.058 | 0.040 | 1.217 | 0.095 | 0.463 | 0.078 | 0.027 | 1.233 | 0.102 | 0.497 | 0.037 | 0.016 | 0.636 | 0.052 | 0.255 |
| 70 | MI | J C Weadock | | 7, 8 | D01720C09 | 1.160 | 0.074 | 0.014 | 1.033 | 0.085 | 0.414 | 0.077 | 0.021 | 1.160 | 0.095 | 0.461 | 0.066 | 0.019 | 1.002 | 0.082 | 0.399 |
| 71 | MD | Brandon Shores | 602 | 2 | D006022 | 1.133 | 0.030 | 0.039 | 1.102 | 0.067 | 0.326 | 0.026 | 0.041 | 1.133 | 0.065 | 0.319 | 0.045 | 0.021 | 0.779 | 0.064 | 0.311 |
| 72 | OK | Northeastern | | 3313, 3314 | D02963C10 | 1.130 | 0.047 | 0.014 | 0.646 | 0.059 | 0.289 | 0.081 | 0.025 | 1.130 | 0.102 | 0.496 | 0.029 | 0.014 | 0.514 | 0.042 | 0.207 |
| 73 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 1.122 | 0.108 | 0.001 | 1.122 | 0.104 | 0.507 | 0.055 | 0.002 | 0.696 | 0.055 | 0.270 | 0.060 | 0.002 | 0.734 | 0.060 | 0.294 |
| 74 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 1.121 | 0.023 | 0.010 | 0.393 | 0.031 | 0.155 | 0.056 | 0.039 | 1.121 | 0.093 | 0.451 | 0.031 | 0.018 | 0.579 | 0.047 | 0.233 |
| 75 | KY | Mill Creek | 1364 | 4 | D013644 | 1.120 | 0.010 | 0.029 | 0.766 | 0.038 | 0.187 | 0.014 | 0.046 | 1.120 | 0.058 | 0.285 | 0.008 | 0.054 | 0.738 | 0.060 | 0.295 |
| 76 | KY | Paradise | 1378 | 2 | D013782 | 1.103 | 0.040 | 0.021 | 0.706 | 0.059 | 0.288 | 0.071 | 0.018 | 1.103 | 0.086 | 0.419 | 0.045 | 0.020 | 0.769 | 0.063 | 0.308 |
| 77 | IA | George Neal South | | 4 | D073434 | 1.093 | 0.045 | 0.030 | 0.888 | 0.073 | 0.355 | 0.062 | 0.026 | 1.093 | 0.085 | 0.412 | 0.024 | 0.016 | 0.474 | 0.039 | 0.191 |
| 78 | MD | Brandon Shores | 602 | 1 | D006021 | 1.083 | 0.032 | 0.029 | 1.057 | 0.060 | 0.292 | 0.028 | 0.031 | 1.083 | 0.057 | 0.281 | 0.048 | 0.016 | 0.759 | 0.062 | 0.304 |
| 79 | MI | Monroe | 1733 | 1,2 | D01733C12 | 1.062 | 0.016 | 0.038 | 0.821 | 0.053 | 0.262 | 0.019 | 0.064 | 1.062 | 0.081 | 0.394 | 0.017 | 0.068 | 1.008 | 0.082 | 0.401 |
| 80 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 1.029 | 0.068 | 0.018 | 1.029 | 0.083 | 0.403 | 0.059 | 0.010 | 0.837 | 0.066 | 0.324 | 0.029 | 0.011 | 0.471 | 0.039 | 0.190 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | TX | Martin Lake | 6146 | 1 | | 1.000 | 0.074 | 0.012 | 1.000 | 0.082 | 0.400 | 0.035 | 0.003 | 0.454 | 0.037 | 0.182 | 0.066 | 0.008 | 0.868 | 0.071 | 0.347 |
| 82 | MO | Labadie | | 4 | D021034 | 0.961 | 0.027 | 0.006 | 0.390 | 0.032 | 0.159 | 0.071 | 0.010 | 0.961 | 0.078 | 0.380 | 0.035 | 0.006 | 0.485 | 0.040 | 0.195 |
| 83 | TX | Monticello | 6147 | 1 | | 0.959 | 0.075 | 0.006 | 0.959 | 0.078 | 0.381 | 0.036 | 0.002 | 0.443 | 0.036 | 0.178 | 0.067 | 0.004 | 0.841 | 0.069 | 0.336 |
| 84 | TX | Martin Lake | 6146 | 3 | | 0.948 | 0.070 | 0.011 | 0.948 | 0.078 | 0.380 | 0.033 | 0.003 | 0.431 | 0.035 | 0.173 | 0.062 | 0.007 | 0.823 | 0.067 | 0.329 |
| 85 | IA | Ottumwa | | 1 | D062541 | 0.940 | 0.024 | 0.018 | 0.483 | 0.041 | 0.200 | 0.048 | 0.032 | 0.940 | 0.078 | 0.380 | 0.029 | 0.018 | 0.552 | 0.045 | 0.222 |
| 86 | NJ | B L England | 2378 | 2,3 | x12 | 0.926 | 0.014 | 0.010 | 0.291 | 0.024 | 0.117 | 0.024 | 0.057 | 0.926 | 0.079 | 0.384 | 0.016 | 0.012 | 0.335 | 0.027 | 0.135 |
| 87 | MO | Sibley | | 1, 2, 3 | D02094C01 | 0.919 | 0.049 | 0.038 | 0.919 | 0.085 | 0.413 | 0.042 | 0.025 | 0.749 | 0.065 | 0.319 | 0.031 | 0.013 | 0.516 | 0.042 | 0.208 |
| 88 | KY | Paradise | 1378 | 3 | D013783 | 0.882 | 0.026 | 0.036 | 0.757 | 0.060 | 0.296 | 0.045 | 0.034 | 0.882 | 0.077 | 0.377 | 0.030 | 0.036 | 0.795 | 0.065 | 0.318 |
| 89 | KY | Paradise | 1378 | 1 | D01720C09 | 0.881 | 0.031 | 0.018 | 0.571 | 0.048 | 0.233 | 0.056 | 0.015 | 0.881 | 0.069 | 0.337 | 0.036 | 0.017 | 0.620 | 0.051 | 0.249 |
| 90 | ME | William F Wyman | 1507 | 4 | D015074 | 0.812 | 0.008 | 0.002 | 0.112 | 0.009 | 0.044 | 0.019 | 0.005 | 0.283 | 0.023 | 0.112 | 0.052 | 0.017 | 0.812 | 0.066 | 0.325 |
| 91 | TX | Martin Lake | 6146 | 2 | | 0.779 | 0.056 | 0.011 | 0.779 | 0.064 | 0.316 | 0.027 | 0.003 | 0.355 | 0.029 | 0.142 | 0.050 | 0.007 | 0.678 | 0.055 | 0.272 |
| 92 | MD | C P Crane | 1552 | 1 | D015521 | 0.765 | 0.023 | 0.030 | 0.650 | 0.051 | 0.253 | 0.019 | 0.046 | 0.659 | 0.063 | 0.310 | 0.026 | 0.038 | 0.765 | 0.062 | 0.306 |
| 93 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33% | D02535C01 | 0.729 | 0.016 | 0.004 | 0.235 | 0.019 | 0.095 | 0.027 | 0.011 | 0.441 | 0.037 | 0.184 | 0.049 | 0.013 | 0.729 | 0.060 | 0.292 |
| 94 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.629 | 0.013 | 0.007 | 0.224 | 0.019 | 0.096 | 0.044 | 0.017 | 0.629 | 0.059 | 0.289 | 0.016 | 0.012 | 0.327 | 0.027 | 0.132 |
| 95 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.616 | 0.020 | 0.014 | 0.394 | 0.033 | 0.162 | 0.031 | 0.024 | 0.616 | 0.053 | 0.259 | 0.017 | 0.011 | 0.328 | 0.027 | 0.132 |
| 96 | PA | Martins Creek | 3148 | 3,4 | x21 | 0.540 | 0.001 | 0.059 | 0.540 | 0.059 | 0.291 | 0.001 | 0.047 | 0.435 | 0.047 | 0.232 | 0.001 | 0.025 | 0.319 | 0.026 | 0.129 |
| 97 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.526 | 0.005 | 0.032 | 0.451 | 0.037 | 0.181 | 0.007 | 0.034 | 0.526 | 0.040 | 0.195 | 0.002 | 0.014 | 0.198 | 0.016 | 0.080 |
| 98 | OK | Grand River Dam Authority | | 1 | D001651 | 0.487 | 0.025 | 0.000 | 0.238 | 0.024 | 0.118 | 0.056 | 0.000 | 0.487 | 0.054 | 0.263 | 0.021 | 0.000 | 0.245 | 0.020 | 0.099 |
| 99 | MA | Brayton Point | 1619 | 4 | x07 | 0.482 | 0.031 | 0.005 | 0.423 | 0.034 | 0.169 | 0.015 | 0.005 | 0.244 | 0.020 | 0.099 | 0.033 | 0.008 | 0.482 | 0.039 | 0.194 |
| 100 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.472 | 0.004 | 0.025 | 0.472 | 0.029 | 0.144 | 0.003 | 0.024 | 0.382 | 0.027 | 0.134 | 0.003 | 0.031 | 0.412 | 0.034 | 0.166 |
| 101 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.440 | 0.003 | 0.026 | 0.440 | 0.029 | 0.141 | 0.003 | 0.023 | 0.353 | 0.025 | 0.125 | 0.003 | 0.029 | 0.376 | 0.031 | 0.152 |
| 102 | NH | Newington | 8002 | 1 | D080021 | 0.413 | 0.007 | 0.002 | 0.121 | 0.009 | 0.042 | 0.007 | 0.002 | 0.133 | 0.009 | 0.047 | 0.021 | 0.014 | 0.413 | 0.034 | 0.166 |
| 103 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.413 | 0.016 | 0.008 | 0.413 | 0.023 | 0.111 | 0.011 | 0.018 | 0.311 | 0.028 | 0.139 | 0.013 | 0.017 | 0.357 | 0.029 | 0.144 |
| 104 | GA | Scherer | | 4 | D062574 | 0.412 | 0.004 | 0.017 | 0.412 | 0.021 | 0.102 | 0.003 | 0.014 | 0.270 | 0.017 | 0.082 | 0.001 | 0.011 | 0.142 | 0.012 | 0.058 |
| 105 | GA | Scherer | | 1 | D062571 | 0.410 | 0.003 | 0.018 | 0.410 | 0.021 | 0.102 | 0.002 | 0.015 | 0.270 | 0.017 | 0.082 | 0.001 | 0.011 | 0.143 | 0.012 | 0.058 |
| 106 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.404 | 0.016 | 0.007 | 0.404 | 0.022 | 0.111 | 0.011 | 0.017 | 0.300 | 0.027 | 0.133 | 0.013 | 0.016 | 0.346 | 0.028 | 0.139 |
| 107 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.366 | 0.024 | 0.005 | 0.334 | 0.028 | 0.137 | 0.024 | 0.007 | 0.366 | 0.030 | 0.148 | 0.021 | 0.006 | 0.326 | 0.027 | 0.131 |
| 108 | VA | Bremo Power Station | | 4 | D037964 | 0.349 | 0.000 | 0.031 | 0.349 | 0.031 | 0.153 | 0.000 | 0.013 | 0.206 | 0.012 | 0.062 | 0.000 | 0.012 | 0.146 | 0.012 | 0.059 |
| 109 | GA | Scherer | | 2 | D062572 | 0.316 | 0.002 | 0.014 | 0.316 | 0.016 | 0.077 | 0.001 | 0.012 | 0.208 | 0.013 | 0.062 | 0.001 | 0.009 | 0.110 | 0.009 | 0.044 |
| 110 | NH | Merrimack | 2364 | 2 | D023642 | 0.290 | 0.004 | 0.002 | 0.110 | 0.006 | 0.029 | 0.005 | 0.003 | 0.138 | 0.008 | 0.038 | 0.010 | 0.014 | 0.290 | 0.024 | 0.117 |
| 111 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.282 | 0.021 | 0.004 | 0.282 | 0.024 | 0.120 | 0.014 | 0.005 | 0.228 | 0.019 | 0.092 | 0.012 | 0.005 | 0.194 | 0.016 | 0.079 |
| 112 | DE | Indian River | 594 | 4 | D005944 | 0.256 | 0.007 | 0.001 | 0.108 | 0.008 | 0.042 | 0.020 | 0.001 | 0.256 | 0.021 | 0.102 | 0.020 | 0.001 | 0.239 | 0.020 | 0.097 |
| 113 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.246 | 0.013 | 0.010 | 0.246 | 0.022 | 0.108 | 0.014 | 0.004 | 0.226 | 0.017 | 0.085 | 0.009 | 0.004 | 0.154 | 0.013 | 0.062 |
| 114 | MA | Canal Station | 1599 | 1 | D015991 | 0.244 | 0.013 | 0.001 | 0.175 | 0.014 | 0.070 | 0.016 | 0.003 | 0.215 | 0.018 | 0.087 | 0.018 | 0.003 | 0.244 | 0.020 | 0.099 |
| 115 | MA | Canal Station | 1599 | 2 | D015992 | 0.225 | 0.012 | 0.002 | 0.175 | 0.014 | 0.069 | 0.009 | 0.004 | 0.147 | 0.012 | 0.060 | 0.014 | 0.005 | 0.225 | 0.018 | 0.091 |
| 116 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.217 | 0.014 | 0.004 | 0.217 | 0.018 | 0.087 | 0.006 | 0.004 | 0.125 | 0.010 | 0.051 | 0.006 | 0.004 | 0.117 | 0.010 | 0.047 |
| 117 | GA | Yates | | Y7BR | D00728Y7R | 0.193 | 0.000 | 0.005 | 0.193 | 0.005 | 0.027 | 0.000 | 0.020 | 0.111 | 0.019 | 0.096 | 0.000 | 0.012 | 0.144 | 0.012 | 0.058 |
| 118 | WI | Columbia | | 2 | D080232 | 0.184 | 0.005 | 0.012 | 0.176 | 0.017 | 0.085 | 0.005 | 0.012 | 0.169 | 0.016 | 0.081 | 0.006 | 0.010 | 0.184 | 0.015 | 0.074 |
| 119 | WI | Columbia | | 1 | D080231 | 0.176 | 0.005 | 0.014 | 0.176 | 0.019 | 0.094 | 0.005 | 0.013 | 0.168 | 0.018 | 0.089 | 0.006 | 0.009 | 0.175 | 0.014 | 0.071 |
| 120 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.168 | 0.009 | 0.006 | 0.168 | 0.014 | 0.070 | 0.010 | 0.002 | 0.147 | 0.012 | 0.058 | 0.006 | 0.002 | 0.104 | 0.008 | 0.042 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | NH | Merrimack | 2364 | 1 | D023641 | 0.109 | 0.001 | 0.001 | 0.042 | 0.002 | 0.011 | 0.002 | 0.001 | 0.052 | 0.003 | 0.014 | 0.004 | 0.006 | 0.109 | 0.009 | 0.044 |
| 122 | NH | Schiller | 2367 | 4 | | 0.084 | 0.002 | 0.000 | 0.025 | 0.002 | 0.010 | 0.003 | 0.000 | 0.035 | 0.003 | 0.014 | 0.006 | 0.002 | 0.084 | 0.007 | 0.034 |
| 123 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.083 | 0.002 | 0.003 | 0.055 | 0.005 | 0.022 | 0.002 | 0.005 | 0.054 | 0.006 | 0.031 | 0.003 | 0.004 | 0.083 | 0.007 | 0.034 |
| 124 | NH | Schiller | 2367 | 6 | | 0.082 | 0.002 | 0.000 | 0.025 | 0.002 | 0.010 | 0.003 | 0.000 | 0.034 | 0.003 | 0.014 | 0.006 | 0.001 | 0.082 | 0.007 | 0.033 |
| 125 | MA | Brayton Point | 1619 | 2 | D016192 | 0.078 | 0.003 | 0.002 | 0.078 | 0.005 | 0.027 | 0.002 | 0.002 | 0.046 | 0.004 | 0.019 | 0.003 | 0.003 | 0.076 | 0.006 | 0.031 |
| 126 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.077 | 0.002 | 0.002 | 0.053 | 0.004 | 0.021 | 0.002 | 0.004 | 0.050 | 0.005 | 0.026 | 0.003 | 0.004 | 0.077 | 0.006 | 0.031 |
| 127 | MA | Brayton Point | 1619 | 3 | D016193 | 0.066 | 0.004 | 0.001 | 0.066 | 0.005 | 0.023 | 0.002 | 0.001 | 0.036 | 0.003 | 0.016 | 0.004 | 0.002 | 0.064 | 0.005 | 0.026 |
| 128 | MA | Brayton Point | 1619 | 1 | D016191 | 0.052 | 0.004 | 0.001 | 0.052 | 0.004 | 0.020 | 0.002 | 0.001 | 0.030 | 0.002 | 0.012 | 0.003 | 0.001 | 0.048 | 0.004 | 0.019 |
| 129 | KS | La Cygne | 1241 | 1 | | 0.050 | 0.004 | 0.000 | 0.050 | 0.004 | 0.019 | 0.004 | 0.000 | 0.047 | 0.004 | 0.020 | 0.003 | 0.000 | 0.038 | 0.003 | 0.016 |
| 130 | KS | La Cygne | | 2 | D012412 | 0.015 | 0.001 | 0.000 | 0.011 | 0.001 | 0.004 | 0.001 | 0.000 | 0.015 | 0.001 | 0.007 | 0.001 | 0.000 | 0.014 | 0.001 | 0.006 |

## F.21 2011 EGU Ranking Visibility Impairing Sources to Shenandoah

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 62.649 | 4.298 | 0.780 | 61.715 | 4.535 | 13.111 | 3.319 | 0.592 | 46.419 | 3.588 | 11.113 | 4.322 | 0.832 | 62.649 | 4.590 | 13.221 |
| 2 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 32.903 | 1.944 | 0.221 | 24.860 | 2.079 | 7.380 | 2.085 | 0.354 | 28.080 | 2.320 | 8.034 | 2.587 | 0.230 | 32.903 | 2.669 | 8.940 |
| 3 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 23.637 | 1.338 | 0.410 | 19.743 | 1.685 | 6.243 | 1.745 | 0.326 | 23.637 | 1.987 | 7.120 | 1.449 | 0.333 | 20.182 | 1.720 | 6.346 |
| 4 | OH | Walter C Beckford Generating Station | | 6 | D028306 | 17.333 | 1.424 | 0.106 | 17.333 | 1.494 | 5.660 | 0.916 | 0.080 | 11.123 | 0.984 | 3.977 | 0.806 | 0.094 | 10.020 | 0.891 | 3.647 |
| 5 | MI | Monroe | 1733 | 1,2 | D01733C12 | 14.783 | 0.398 | 0.116 | 5.676 | 0.514 | 2.226 | 0.883 | 0.438 | 14.783 | 1.288 | 5.003 | 0.424 | 0.302 | 8.057 | 0.722 | 3.029 |
| 6 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 11.669 | 0.626 | 0.076 | 7.774 | 0.698 | 2.937 | 0.769 | 0.199 | 10.785 | 0.956 | 3.877 | 0.832 | 0.214 | 11.669 | 1.030 | 4.137 |
| 7 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 11.625 | 0.644 | 0.045 | 7.636 | 0.686 | 2.892 | 0.956 | 0.084 | 11.625 | 1.026 | 4.124 | 0.529 | 0.058 | 6.492 | 0.586 | 2.508 |
| 8 | PA | Homer City | 3122 | 2 | D031222 | 9.422 | 0.605 | 0.079 | 7.579 | 0.681 | 2.873 | 0.623 | 0.094 | 7.949 | 0.713 | 2.994 | 0.744 | 0.104 | 9.422 | 0.840 | 3.462 |
| 9 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 9.347 | 0.535 | 0.306 | 9.347 | 0.833 | 3.439 | 0.399 | 0.219 | 6.847 | 0.617 | 2.629 | 0.236 | 0.260 | 5.495 | 0.498 | 2.162 |
| 10 | OH | Muskingum River | 2872 | 5 | D028725 | 9.313 | 0.622 | 0.030 | 7.228 | 0.650 | 2.757 | 0.699 | 0.051 | 8.326 | 0.746 | 3.116 | 0.803 | 0.033 | 9.313 | 0.830 | 3.428 |
| 11 | PA | Homer City | 3122 | 1 | D031221 | 9.197 | 0.605 | 0.064 | 7.412 | 0.666 | 2.818 | 0.623 | 0.076 | 7.745 | 0.695 | 2.928 | 0.743 | 0.084 | 9.197 | 0.820 | 3.392 |
| 12 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 9.161 | 0.619 | 0.114 | 8.129 | 0.729 | 3.053 | 0.431 | 0.145 | 6.358 | 0.574 | 2.462 | 0.731 | 0.093 | 9.161 | 0.817 | 3.381 |
| 13 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 8.781 | 0.694 | 0.096 | 8.781 | 0.785 | 3.261 | 0.538 | 0.106 | 7.130 | 0.642 | 2.724 | 0.371 | 0.149 | 5.747 | 0.521 | 2.250 |
| 14 | MD | Morgantown | 1573 | 1 | D015731 | 8.743 | 0.431 | 0.020 | 4.962 | 0.451 | 1.971 | 0.750 | 0.037 | 8.743 | 0.782 | 3.249 | 0.511 | 0.056 | 6.260 | 0.566 | 2.429 |
| 15 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 8.632 | 0.349 | 0.098 | 4.933 | 0.448 | 1.961 | 0.569 | 0.210 | 8.632 | 0.772 | 3.214 | 0.462 | 0.174 | 7.029 | 0.633 | 2.690 |
| 16 | PA | Cheswick | 8226 | 1 | D082261 | 7.830 | 0.534 | 0.173 | 7.830 | 0.703 | 2.955 | 0.477 | 0.223 | 7.754 | 0.696 | 2.931 | 0.431 | 0.194 | 6.919 | 0.624 | 2.653 |
| 17 | OH | Eastlake | | 5 | D028375 | 7.346 | 0.511 | 0.122 | 7.007 | 0.631 | 2.683 | 0.374 | 0.105 | 5.279 | 0.479 | 2.085 | 0.560 | 0.103 | 7.346 | 0.661 | 2.796 |
| 18 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 7.320 | 0.589 | 0.072 | 7.320 | 0.658 | 2.787 | 0.271 | 0.060 | 3.629 | 0.332 | 1.479 | 0.312 | 0.068 | 4.183 | 0.382 | 1.686 |
| 19 | IN | Tanners Creek | 988 | U4 | D00988U4 | 6.879 | 0.541 | 0.081 | 6.879 | 0.620 | 2.640 | 0.340 | 0.068 | 4.493 | 0.409 | 1.801 | 0.321 | 0.050 | 4.077 | 0.372 | 1.647 |
| 20 | PA | Keystone | 3136 | 1 | D031361 | 6.868 | 0.289 | 0.195 | 5.351 | 0.486 | 2.111 | 0.341 | 0.240 | 6.438 | 0.581 | 2.490 | 0.358 | 0.262 | 6.868 | 0.619 | 2.636 |
| 21 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 6.867 | 0.165 | 0.097 | 2.879 | 0.264 | 1.191 | 0.302 | 0.317 | 6.867 | 0.619 | 2.636 | 0.138 | 0.374 | 5.713 | 0.518 | 2.238 |
| 22 | OH | Walter C Beckford Generating Station | | 5 (50%) | D02830M51 | 6.862 | 0.575 | 0.045 | 6.862 | 0.619 | 2.634 | 0.370 | 0.035 | 4.449 | 0.405 | 1.784 | 0.325 | 0.040 | 4.019 | 0.367 | 1.625 |
| 23 | PA | Keystone | 3136 | 2 | D031362 | 6.830 | 0.288 | 0.194 | 5.323 | 0.483 | 2.100 | 0.340 | 0.238 | 6.402 | 0.578 | 2.478 | 0.357 | 0.260 | 6.830 | 0.616 | 2.623 |
| 24 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 6.744 | 0.459 | 0.073 | 5.880 | 0.532 | 2.297 | 0.516 | 0.094 | 6.744 | 0.608 | 2.594 | 0.403 | 0.116 | 5.732 | 0.519 | 2.245 |
| 25 | WV | Harrison Power Station | | 1 (25%), 2 (20 | D03944C01 | 6.581 | 0.172 | 0.366 | 5.993 | 0.542 | 2.336 | 0.135 | 0.313 | 4.981 | 0.453 | 1.978 | 0.162 | 0.428 | 6.581 | 0.594 | 2.539 |
| 26 | VA | Chesterfield Power Station | 3797 | 3,7,8A | x28 | 6.458 | 0.391 | 0.136 | 5.828 | 0.528 | 2.279 | 0.502 | 0.083 | 6.458 | 0.583 | 2.497 | | | | | |
| 27 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 6.143 | 0.442 | 0.114 | 6.143 | 0.555 | 2.388 | 0.438 | 0.108 | 6.032 | 0.546 | 2.350 | 0.472 | 0.079 | 6.086 | 0.550 | 2.369 |
| 28 | VA | Bremo Power Station | | 4 | D037964 | 6.059 | 0.248 | 0.172 | 4.639 | 0.422 | 1.854 | 0.287 | 0.142 | 4.730 | 0.430 | 1.887 | 0.280 | 0.267 | 6.059 | 0.548 | 2.359 |
| 29 | PA | Brunner Island | 3140 | 3 | D031403 | 5.952 | 0.135 | 0.109 | 2.689 | 0.247 | 1.116 | 0.328 | 0.210 | 5.952 | 0.539 | 2.322 | 0.107 | 0.212 | 3.546 | 0.324 | 1.447 |
| 30 | OH | Cardinal | 2828 | 3 | D028283 | 5.761 | 0.441 | 0.033 | 5.223 | 0.474 | 2.065 | 0.435 | 0.036 | 5.200 | 0.472 | 2.057 | 0.477 | 0.045 | 5.761 | 0.522 | 2.255 |
| 31 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 5.534 | 0.268 | 0.157 | 4.696 | 0.427 | 1.875 | 0.378 | 0.124 | 5.534 | 0.502 | 2.175 | 0.264 | 0.093 | 3.932 | 0.359 | 1.593 |
| 32 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 5.306 | 0.263 | 0.023 | 3.136 | 0.287 | 1.290 | 0.422 | 0.060 | 5.306 | 0.482 | 2.095 | 0.246 | 0.050 | 3.246 | 0.297 | 1.333 |
| 33 | MD | Brandon Shores | 602 | 2 | D006022 | 4.965 | 0.060 | 0.137 | 2.185 | 0.201 | 0.916 | 0.078 | 0.216 | 3.270 | 0.299 | 1.342 | 0.098 | 0.347 | 4.965 | 0.451 | 1.972 |
| 34 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 4.948 | 0.353 | 0.040 | 4.321 | 0.394 | 1.737 | 0.396 | 0.053 | 4.948 | 0.450 | 1.966 | 0.309 | 0.065 | 4.118 | 0.376 | 1.662 |
| 35 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 4.790 | 0.302 | 0.063 | 4.011 | 0.366 | 1.623 | 0.294 | 0.059 | 3.879 | 0.354 | 1.573 | 0.345 | 0.090 | 4.790 | 0.436 | 1.909 |
| 36 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 4.775 | 0.189 | 0.130 | 3.524 | 0.322 | 1.439 | 0.173 | 0.257 | 4.775 | 0.434 | 1.904 | 0.181 | 0.164 | 3.816 | 0.349 | 1.549 |
| 37 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 4.775 | 0.267 | 0.048 | 3.452 | 0.316 | 1.411 | 0.386 | 0.048 | 4.775 | 0.434 | 1.903 | 0.203 | 0.047 | 2.742 | 0.252 | 1.137 |
| 38 | MD | Brandon Shores | 602 | 1 | D006021 | 4.760 | 0.061 | 0.129 | 2.103 | 0.194 | 0.883 | 0.080 | 0.203 | 3.145 | 0.288 | 1.294 | 0.100 | 0.327 | 4.760 | 0.433 | 1.898 |
| 39 | NC | Mayo | 6250 | 1A,1B | D06250C05 | 4.722 | 0.205 | 0.050 | 2.794 | 0.256 | 1.157 | 0.321 | 0.108 | 4.722 | 0.430 | 1.884 | 0.175 | 0.049 | 2.458 | 0.226 | 1.025 |
| 40 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 4.716 | 0.298 | 0.061 | 3.951 | 0.361 | 1.600 | 0.290 | 0.058 | 3.821 | 0.349 | 1.551 | 0.341 | 0.087 | 4.716 | 0.429 | 1.882 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 4.615 | 0.309 | 0.110 | 4.615 | 0.420 | 1.845 | 0.192 | 0.077 | 2.961 | 0.272 | 1.222 | 0.170 | 0.083 | 2.789 | 0.256 | 1.155 |
| 42 | OH | Conesville | 2840 | 5,6 | D02840C06 | 4.522 | 0.069 | 0.156 | 2.498 | 0.230 | 1.041 | 0.081 | 0.202 | 3.135 | 0.287 | 1.290 | 0.124 | 0.282 | 4.522 | 0.412 | 1.811 |
| 43 | MI | J H Campbell | | 3 (50%) | D01710M3A | 4.492 | 0.078 | 0.030 | 1.175 | 0.109 | 0.503 | 0.194 | 0.057 | 2.758 | 0.253 | 1.143 | 0.287 | 0.120 | 4.492 | 0.409 | 1.800 |
| 44 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 4.435 | 0.066 | 0.125 | 2.118 | 0.195 | 0.889 | 0.173 | 0.228 | 4.435 | 0.404 | 1.779 | 0.128 | 0.147 | 3.042 | 0.279 | 1.254 |
| 45 | MI | St. Clair | 1743 | 7 | D017437 | 4.426 | 0.306 | 0.024 | 3.626 | 0.332 | 1.477 | 0.359 | 0.044 | 4.426 | 0.403 | 1.776 | 0.210 | 0.032 | 2.660 | 0.244 | 1.105 |
| 46 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 4.422 | 0.185 | 0.043 | 2.502 | 0.230 | 1.043 | 0.243 | 0.067 | 3.400 | 0.311 | 1.391 | 0.305 | 0.096 | 4.422 | 0.403 | 1.775 |
| 47 | MD | C P Crane | 1552 | 2 | D015522 | 4.330 | 0.215 | 0.057 | 2.984 | 0.274 | 1.231 | 0.239 | 0.080 | 3.511 | 0.321 | 1.434 | 0.266 | 0.127 | 4.330 | 0.395 | 1.741 |
| 48 | PA | Montour | 3149 | 1 | D031491 | 4.170 | 0.183 | 0.111 | 3.245 | 0.297 | 1.332 | 0.143 | 0.233 | 4.170 | 0.380 | 1.682 | 0.077 | 0.142 | 2.423 | 0.223 | 1.011 |
| 49 | MI | Trenton Channel | 1745 | 9A | D017459A | 4.019 | 0.166 | 0.035 | 2.198 | 0.202 | 0.921 | 0.313 | 0.053 | 4.019 | 0.367 | 1.625 | 0.228 | 0.050 | 3.054 | 0.280 | 1.259 |
| 50 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 3.962 | 0.201 | 0.069 | 2.967 | 0.272 | 1.225 | 0.244 | 0.115 | 3.962 | 0.362 | 1.604 | 0.125 | 0.097 | 2.443 | 0.225 | 1.019 |
| 51 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 3.960 | 0.139 | 0.058 | 2.162 | 0.199 | 0.907 | 0.293 | 0.067 | 3.960 | 0.362 | 1.603 | 0.136 | 0.099 | 2.583 | 0.237 | 1.074 |
| 52 | PA | Montour | 3149 | 2 | D031492 | 3.932 | 0.185 | 0.101 | 3.148 | 0.288 | 1.295 | 0.145 | 0.210 | 3.932 | 0.359 | 1.593 | 0.078 | 0.128 | 2.279 | 0.210 | 0.954 |
| 53 | AL | E C Gaston | 26 | 3, 4 | D00026CBN | 3.919 | 0.229 | 0.035 | 2.895 | 0.266 | 1.197 | 0.317 | 0.040 | 3.919 | 0.358 | 1.588 | 0.209 | 0.047 | 2.804 | 0.257 | 1.161 |
| 54 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 3.910 | 0.238 | 0.028 | 2.919 | 0.268 | 1.206 | 0.316 | 0.040 | 3.910 | 0.357 | 1.584 | 0.223 | 0.045 | 2.940 | 0.270 | 1.214 |
| 55 | MD | C P Crane | 1552 | 1 | D015521 | 3.896 | 0.194 | 0.051 | 2.691 | 0.247 | 1.117 | 0.217 | 0.071 | 3.162 | 0.290 | 1.300 | 0.241 | 0.113 | 3.896 | 0.356 | 1.579 |
| 56 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 3.851 | 0.345 | 0.005 | 3.851 | 0.352 | 1.563 | 0.260 | 0.009 | 2.950 | 0.271 | 1.218 | 0.200 | 0.010 | 2.302 | 0.212 | 0.963 |
| 57 | WV | Pleasants Power Station | 6004 | 2 | D060042 | 3.701 | 0.168 | 0.092 | 2.865 | 0.263 | 1.185 | 0.154 | 0.181 | 3.701 | 0.338 | 1.506 | 0.161 | 0.116 | 3.056 | 0.280 | 1.259 |
| 58 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 3.629 | 0.291 | 0.039 | 3.629 | 0.332 | 1.479 | 0.121 | 0.034 | 1.691 | 0.156 | 0.716 | 0.157 | 0.052 | 2.286 | 0.210 | 0.957 |
| 59 | VA | Chesapeake Energy Center | | 4 | D038034 | 3.581 | 0.231 | 0.095 | 3.581 | 0.328 | 1.460 | 0.192 | 0.042 | 2.570 | 0.236 | 1.069 | 0.228 | 0.062 | 3.192 | 0.292 | 1.312 |
| 60 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 3.558 | 0.318 | 0.006 | 3.558 | 0.325 | 1.452 | 0.240 | 0.010 | 2.736 | 0.251 | 1.135 | 0.185 | 0.011 | 2.141 | 0.197 | 0.898 |
| 61 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 3.525 | 0.176 | 0.111 | 3.160 | 0.290 | 1.299 | 0.241 | 0.080 | 3.525 | 0.322 | 1.439 | 0.196 | 0.086 | 3.109 | 0.285 | 1.280 |
| 62 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 3.270 | 0.149 | 0.088 | 2.614 | 0.240 | 1.087 | 0.227 | 0.071 | 3.270 | 0.299 | 1.342 | 0.106 | 0.042 | 1.624 | 0.150 | 0.689 |
| 63 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 3.092 | 0.054 | 0.141 | 2.163 | 0.199 | 0.907 | 0.070 | 0.171 | 2.679 | 0.246 | 1.112 | 0.066 | 0.212 | 3.092 | 0.283 | 1.273 |
| 64 | WV | Fort Martin Power Station | 3943 | 1 | D039431 | 3.088 | 0.057 | 0.221 | 3.088 | 0.283 | 1.272 | | | | | | | | | | |
| 65 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 3.067 | 0.070 | 0.099 | 1.869 | 0.172 | 0.789 | 0.116 | 0.161 | 3.067 | 0.281 | 1.264 | 0.066 | 0.083 | 1.652 | 0.152 | 0.701 |
| 66 | PA | Sunbury | | 4 | D031524 | 3.030 | 0.207 | 0.017 | 2.450 | 0.225 | 1.022 | 0.245 | 0.031 | 3.030 | 0.278 | 1.249 | 0.080 | 0.023 | 1.129 | 0.104 | 0.484 |
| 67 | KY | Paradise | 1378 | 3 | D013783 | 2.998 | 0.041 | 0.111 | 1.691 | 0.156 | 0.716 | 0.110 | 0.138 | 2.745 | 0.252 | 1.138 | 0.092 | 0.178 | 2.998 | 0.275 | 1.237 |
| 68 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 2.964 | 0.098 | 0.013 | 1.203 | 0.111 | 0.515 | 0.255 | 0.015 | 2.964 | 0.272 | 1.224 | 0.198 | 0.016 | 2.339 | 0.215 | 0.978 |
| 69 | IL | Powerton | | 51,52,61,62 | D00879C06 | 2.961 | 0.080 | 0.043 | 1.352 | 0.125 | 0.577 | 0.190 | 0.079 | 2.961 | 0.272 | 1.222 | 0.198 | 0.030 | 2.495 | 0.229 | 1.040 |
| 70 | NC | Cape Fear | 2708 | 6 | | 2.943 | 0.090 | 0.041 | 1.440 | 0.133 | 0.613 | 0.188 | 0.080 | 2.943 | 0.270 | 1.215 | 0.107 | 0.026 | 1.450 | 0.134 | 0.617 |
| 71 | PA | Portland | | 3 (2) | d031132 | 2.924 | 0.229 | 0.038 | 2.924 | 0.268 | 1.208 | 0.200 | 0.021 | 2.425 | 0.223 | 1.012 | 0.132 | 0.028 | 1.749 | 0.161 | 0.740 |
| 72 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 2.911 | 0.243 | 0.023 | 2.911 | 0.267 | 1.203 | 0.168 | 0.030 | 2.166 | 0.199 | 0.909 | 0.155 | 0.052 | 2.275 | 0.209 | 0.952 |
| 73 | VA | Chesapeake Energy Center | | 3 | D038033 | 2.881 | 0.164 | 0.098 | 2.881 | 0.264 | 1.191 | 0.133 | 0.042 | 1.922 | 0.177 | 0.810 | 0.160 | 0.064 | 2.453 | 0.226 | 1.023 |
| 74 | WV | Albright Power Station | 3942 | 3 | D039423 | 2.853 | 0.217 | 0.043 | 2.853 | 0.262 | 1.180 | 0.199 | 0.061 | 2.846 | 0.261 | 1.178 | 0.181 | 0.046 | 2.487 | 0.229 | 1.037 |
| 75 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 2.851 | 0.079 | 0.079 | 1.740 | 0.160 | 0.736 | 0.131 | 0.128 | 2.851 | 0.262 | 1.180 | 0.075 | 0.066 | 1.551 | 0.143 | 0.659 |
| 76 | PA | Sunbury | | 3 | D031523 | 2.850 | 0.180 | 0.018 | 2.167 | 0.200 | 0.909 | 0.231 | 0.029 | 2.850 | 0.261 | 1.179 | 0.075 | 0.025 | 1.094 | 0.101 | 0.469 |
| 77 | WV | Phil Sporn | 3938 | 11,21,31,41 | D03938C04 | 2.823 | 0.200 | 0.057 | 2.823 | 0.259 | 1.168 | | | | | | | | | | |
| 78 | OH | Killen Station | 6031 | 2 | D060312 | 2.812 | 0.176 | 0.080 | 2.812 | 0.258 | 1.164 | 0.170 | 0.077 | 2.718 | 0.250 | 1.128 | 0.101 | 0.083 | 2.033 | 0.187 | 0.855 |
| 79 | MI | Belle River | | 2 | D060342 | 2.798 | 0.163 | 0.064 | 2.493 | 0.229 | 1.039 | 0.176 | 0.078 | 2.798 | 0.257 | 1.159 | 0.102 | 0.068 | 1.873 | 0.173 | 0.790 |
| 80 | MI | Belle River | | 1 | D060341 | 2.761 | 0.160 | 0.064 | 2.458 | 0.226 | 1.025 | 0.173 | 0.078 | 2.761 | 0.253 | 1.144 | 0.100 | 0.068 | 1.850 | 0.171 | 0.781 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | MI | St. Clair | 1743 | 6 | D017436 | 2.756 | 0.184 | 0.015 | 2.178 | 0.200 | 0.913 | 0.222 | 0.029 | 2.756 | 0.253 | 1.142 | 0.130 | 0.021 | 1.650 | 0.152 | 0.699 |
| 82 | WV | Fort Martin Power Station | 3943 | 2 | D039432 | 2.722 | 0.052 | 0.193 | 2.722 | 0.250 | 1.129 | | | | | | | | | | |
| 83 | GA | Yates | | Y6BR | D00728Y6R | 2.700 | 0.237 | 0.010 | 2.700 | 0.248 | 1.121 | 0.151 | 0.016 | 1.833 | 0.169 | 0.774 | 0.186 | 0.016 | 2.214 | 0.204 | 0.928 |
| 84 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 2.647 | 0.123 | 0.038 | 1.759 | 0.162 | 0.744 | 0.207 | 0.034 | 2.647 | 0.243 | 1.099 | 0.152 | 0.038 | 2.085 | 0.192 | 0.876 |
| 85 | OH | J M Stuart | 2850 | 4 | D028404 | 2.559 | 0.175 | 0.058 | 2.559 | 0.235 | 1.065 | 0.156 | 0.042 | 2.175 | 0.200 | 0.912 | 0.075 | 0.050 | 1.368 | 0.126 | 0.583 |
| 86 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 2.493 | 0.068 | 0.025 | 1.020 | 0.094 | 0.438 | 0.180 | 0.048 | 2.493 | 0.229 | 1.039 | 0.166 | 0.058 | 2.458 | 0.226 | 1.025 |
| 87 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33 | D02535C01 | 2.472 | 0.103 | 0.007 | 1.210 | 0.112 | 0.518 | 0.186 | 0.040 | 2.472 | 0.227 | 1.031 | 0.130 | 0.023 | 1.671 | 0.154 | 0.708 |
| 88 | NC | L V Sutton | | 3 | D027133 | 2.460 | 0.092 | 0.043 | 1.478 | 0.137 | 0.629 | 0.166 | 0.059 | 2.460 | 0.226 | 1.026 | 0.097 | 0.024 | 1.319 | 0.122 | 0.563 |
| 89 | NJ | B L England | 2378 | 1 | | 2.452 | 0.089 | 0.023 | 1.225 | 0.113 | 0.524 | 0.163 | 0.060 | 2.452 | 0.225 | 1.023 | 0.181 | 0.024 | 2.247 | 0.207 | 0.941 |
| 90 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 2.417 | 0.141 | 0.078 | 2.417 | 0.222 | 1.009 | 0.133 | 0.057 | 2.079 | 0.191 | 0.874 | 0.089 | 0.073 | 1.786 | 0.165 | 0.755 |
| 91 | KY | Mill Creek | 1364 | 4 | D013644 | 2.413 | 0.096 | 0.017 | 1.234 | 0.114 | 0.528 | 0.200 | 0.020 | 2.413 | 0.222 | 1.007 | 0.093 | 0.030 | 1.345 | 0.124 | 0.574 |
| 92 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 2.386 | 0.167 | 0.051 | 2.386 | 0.219 | 0.996 | 0.108 | 0.045 | 1.682 | 0.155 | 0.712 | 0.104 | 0.032 | 1.486 | 0.137 | 0.632 |
| 93 | NC | H F Lee Steam Electric Plant | | 3 | D027093 | 2.386 | 0.170 | 0.048 | 2.386 | 0.219 | 0.996 | 0.170 | 0.034 | 2.242 | 0.206 | 0.939 | 0.107 | 0.025 | 1.444 | 0.133 | 0.615 |
| 94 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 2.331 | 0.145 | 0.067 | 2.331 | 0.214 | 0.975 | 0.130 | 0.072 | 2.219 | 0.204 | 0.930 | 0.145 | 0.058 | 2.234 | 0.206 | 0.936 |
| 95 | GA | Jack McDonough | | MB1, MB2 | D00710C01 | 2.323 | 0.196 | 0.016 | 2.323 | 0.214 | 0.971 | 0.089 | 0.021 | 1.202 | 0.111 | 0.514 | 0.149 | 0.023 | 1.879 | 0.173 | 0.793 |
| 96 | PA | Homer City | | 3 | D031223 | 2.301 | 0.084 | 0.094 | 1.969 | 0.181 | 0.829 | 0.081 | 0.127 | 2.301 | 0.212 | 0.963 | 0.086 | 0.116 | 2.235 | 0.206 | 0.936 |
| 97 | KY | Paradise | 1378 | 2 | D013782 | 2.299 | 0.070 | 0.021 | 1.003 | 0.093 | 0.431 | 0.187 | 0.023 | 2.299 | 0.211 | 0.962 | 0.121 | 0.023 | 1.580 | 0.146 | 0.671 |
| 98 | PA | Armstrong Power Station | | 1 | D031781 | 2.245 | 0.123 | 0.030 | 1.680 | 0.155 | 0.712 | 0.160 | 0.045 | 2.245 | 0.207 | 0.940 | | | | | |
| 99 | PA | Armstrong Power Station | | 2 | D031782 | 2.244 | 0.121 | 0.032 | 1.676 | 0.155 | 0.710 | 0.157 | 0.048 | 2.244 | 0.206 | 0.940 | | | | | |
| 100 | PA | Sunbury | | 1A, 1B | D03152CS1 | 2.243 | 0.145 | 0.013 | 1.729 | 0.160 | 0.732 | 0.182 | 0.023 | 2.243 | 0.206 | 0.939 | 0.057 | 0.018 | 0.819 | 0.076 | 0.353 |
| 101 | TN | John Sevier | 3405 | 1,2 | D03405C12 | 2.037 | 0.152 | 0.019 | 1.873 | 0.173 | 0.790 | 0.163 | 0.023 | 2.037 | 0.188 | 0.857 | 0.151 | 0.024 | 1.917 | 0.177 | 0.808 |
| 102 | WV | Mount Storm Power Station | 3954 | 1,2 | D03954CS0 | 2.031 | 0.125 | 0.060 | 2.031 | 0.187 | 0.854 | | | | | | | | | | |
| 103 | KY | Paradise | 1378 | 1 | D01720C09 | 2.031 | 0.061 | 0.021 | 0.898 | 0.083 | 0.387 | 0.163 | 0.022 | 2.031 | 0.187 | 0.854 | 0.106 | 0.022 | 1.403 | 0.130 | 0.598 |
| 104 | GA | Yates | | Y7BR | D00728Y7R | 2.002 | 0.175 | 0.008 | 2.002 | 0.184 | 0.843 | 0.112 | 0.013 | 1.366 | 0.126 | 0.583 | 0.138 | 0.013 | 1.646 | 0.152 | 0.698 |
| 105 | TN | John Sevier | 3405 | 3,4 | D03405C34 | 1.994 | 0.148 | 0.019 | 1.832 | 0.169 | 0.774 | 0.159 | 0.023 | 1.994 | 0.184 | 0.839 | 0.147 | 0.024 | 1.877 | 0.173 | 0.792 |
| 106 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 1.985 | 0.068 | 0.039 | 1.173 | 0.108 | 0.502 | 0.124 | 0.057 | 1.985 | 0.183 | 0.836 | 0.089 | 0.058 | 1.620 | 0.150 | 0.687 |
| 107 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 1.946 | 0.085 | 0.038 | 1.350 | 0.125 | 0.576 | 0.143 | 0.035 | 1.946 | 0.179 | 0.820 | 0.105 | 0.038 | 1.578 | 0.146 | 0.670 |
| 108 | PA | Hatfield's Ferry Power Station | 3179 | 3 | x20 | 1.942 | 0.023 | 0.152 | 1.942 | 0.179 | 0.818 | | | | | | | | | | |
| 109 | GA | Scherer | | 4 | D062574 | 1.878 | 0.155 | 0.016 | 1.878 | 0.173 | 0.792 | 0.091 | 0.021 | 1.226 | 0.113 | 0.524 | 0.090 | 0.027 | 1.279 | 0.118 | 0.547 |
| 110 | MD | Dickerson | 1572 | 1,2,3 | D01572C23 | 1.870 | 0.056 | 0.113 | 1.870 | 0.172 | 0.789 | | | | | | | | | | |
| 111 | IA | Ottumwa | | 1 | D062541 | 1.867 | 0.051 | 0.018 | 0.747 | 0.069 | 0.323 | 0.132 | 0.038 | 1.867 | 0.172 | 0.788 | 0.059 | 0.015 | 0.805 | 0.075 | 0.348 |
| 112 | VA | Chesapeake Energy Center | | 2 | D038032 | 1.843 | 0.107 | 0.060 | 1.843 | 0.170 | 0.778 | 0.083 | 0.026 | 1.189 | 0.110 | 0.509 | 0.103 | 0.038 | 1.546 | 0.143 | 0.657 |
| 113 | GA | Scherer | | 1 | D062571 | 1.843 | 0.150 | 0.018 | 1.843 | 0.170 | 0.778 | 0.089 | 0.023 | 1.227 | 0.113 | 0.525 | 0.087 | 0.029 | 1.278 | 0.118 | 0.546 |
| 114 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 1.830 | 0.121 | 0.046 | 1.830 | 0.169 | 0.773 | 0.090 | 0.052 | 1.561 | 0.144 | 0.663 | 0.073 | 0.076 | 1.653 | 0.153 | 0.701 |
| 115 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 1.828 | 0.155 | 0.012 | 1.828 | 0.169 | 0.772 | 0.104 | 0.017 | 1.322 | 0.122 | 0.564 | 0.111 | 0.006 | 1.274 | 0.118 | 0.544 |
| 116 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 1.826 | 0.129 | 0.038 | 1.826 | 0.168 | 0.771 | 0.079 | 0.023 | 1.120 | 0.104 | 0.480 | 0.062 | 0.042 | 1.142 | 0.106 | 0.489 |
| 117 | GA | Scherer | | 2 | D062572 | 1.825 | 0.150 | 0.017 | 1.825 | 0.168 | 0.771 | 0.089 | 0.021 | 1.207 | 0.112 | 0.516 | 0.087 | 0.027 | 1.253 | 0.116 | 0.536 |
| 118 | MA | Brayton Point | 1619 | 3 | D016193 | 1.811 | 0.084 | 0.007 | 0.992 | 0.092 | 0.426 | 0.156 | 0.009 | 1.811 | 0.167 | 0.765 | 0.131 | 0.014 | 1.586 | 0.146 | 0.673 |
| 119 | IA | George Neal South | | 4 | D073434 | 1.773 | 0.073 | 0.028 | 1.098 | 0.102 | 0.471 | 0.123 | 0.039 | 1.773 | 0.163 | 0.750 | 0.050 | 0.018 | 0.742 | 0.069 | 0.321 |
| 120 | OK | Northeastern | | 3313, 3314 | D02963C10 | 1.761 | 0.054 | 0.033 | 0.954 | 0.088 | 0.410 | 0.085 | 0.075 | 1.761 | 0.162 | 0.745 | 0.064 | 0.044 | 1.184 | 0.109 | 0.507 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | PA | Portland | | 2 (1) | d031131 | 1.759 | 0.144 | 0.017 | **1.759** | 0.162 | 0.744 | 0.124 | 0.009 | **1.451** | 0.134 | 0.618 | 0.086 | 0.011 | **1.050** | 0.097 | 0.451 |
| 122 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 1.743 | 0.117 | 0.006 | **1.346** | 0.124 | 0.574 | 0.141 | 0.018 | **1.743** | 0.161 | 0.738 | 0.086 | 0.021 | **1.168** | 0.108 | 0.500 |
| 123 | DE | Indian River | 594 | 4 | D005944 | 1.731 | 0.058 | 0.014 | 0.782 | 0.072 | 0.337 | 0.140 | 0.019 | **1.731** | 0.160 | 0.732 | 0.074 | 0.006 | 0.873 | 0.081 | 0.376 |
| 124 | OH | Miami Fort Generating Station | 2832 | 7 | D028327 | 1.716 | 0.086 | 0.070 | **1.716** | 0.158 | 0.727 | | | | | | | | | | |
| 125 | MI | J C Weadock | | 7, 8 | D01720C09 | 1.707 | 0.128 | 0.028 | **1.707** | 0.157 | 0.723 | 0.078 | 0.019 | **1.060** | 0.098 | 0.455 | 0.064 | 0.033 | **1.058** | 0.098 | 0.454 |
| 126 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 1.674 | 0.069 | 0.032 | **1.104** | 0.102 | 0.474 | 0.099 | 0.048 | **1.616** | 0.149 | 0.686 | 0.081 | 0.071 | **1.674** | 0.154 | 0.709 |
| 127 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 1.674 | 0.114 | 0.010 | **1.347** | 0.124 | 0.574 | 0.136 | 0.017 | **1.674** | 0.154 | 0.709 | 0.112 | 0.007 | **1.297** | 0.120 | 0.554 |
| 128 | TN | Gallatin | 3403 | 3,4 | D03403C34 | 1.656 | 0.134 | 0.018 | **1.656** | 0.153 | 0.702 | | | | | | | | | | |
| 129 | VA | Clinch River | 3775 | 1,2 | D03775C02 | 1.632 | 0.117 | 0.032 | **1.632** | 0.151 | 0.692 | | | | | | | | | | |
| 130 | SC | Jefferies | 3319 | 4 | | 1.622 | 0.076 | 0.004 | 0.868 | 0.080 | 0.374 | 0.137 | 0.011 | **1.622** | 0.150 | 0.688 | 0.076 | 0.022 | **1.080** | 0.100 | 0.463 |
| 131 | SC | Jefferies | 3319 | 3 | | 1.615 | 0.076 | 0.003 | 0.868 | 0.080 | 0.374 | 0.137 | 0.011 | **1.615** | 0.149 | 0.685 | 0.076 | 0.021 | **1.061** | 0.098 | 0.455 |
| 132 | NH | Merrimack | 2364 | 2 | D023642 | 1.604 | 0.053 | 0.005 | 0.628 | 0.058 | 0.272 | 0.143 | 0.004 | **1.604** | 0.148 | 0.681 | 0.133 | 0.014 | **1.603** | 0.148 | 0.680 |
| 133 | OH | Miami Fort Power Station | | 8 | D028328 | 1.595 | 0.075 | 0.070 | **1.595** | 0.147 | 0.677 | | | | | | | | | | |
| 134 | VA | Chesapeake Energy Center | | 1 | D038031 | 1.576 | 0.077 | 0.066 | **1.576** | 0.145 | 0.669 | 0.060 | 0.028 | 0.961 | 0.089 | 0.413 | 0.074 | 0.041 | **1.268** | 0.117 | 0.542 |
| 135 | AL | Colbert | 47 | 1, 2, 3, 4 | D00047C14 | 1.570 | 0.109 | 0.034 | **1.570** | 0.145 | 0.667 | | | | | | | | | | |
| 136 | IN | Gibson | 6113 | 4 | D061135 | 1.569 | 0.027 | 0.114 | **1.569** | 0.145 | 0.666 | | | | | | | | | | |
| 137 | MD | Herbert A Wagner | 1554 | 1,2,4 | x08 | 1.568 | 0.101 | 0.042 | **1.568** | 0.145 | 0.666 | | | | | | | | | | |
| 138 | PA | Martins Creek | 3148 | 3,4 | x21 | 1.547 | 0.056 | 0.084 | **1.540** | 0.142 | 0.654 | 0.047 | 0.046 | **1.021** | 0.094 | 0.439 | 0.033 | 0.107 | **1.547** | 0.143 | 0.657 |
| 139 | NJ | B L England | 2378 | 2,3 | x12 | 1.535 | 0.027 | 0.033 | 0.669 | 0.062 | 0.290 | 0.050 | 0.089 | **1.535** | 0.142 | 0.652 | 0.056 | 0.035 | 1.000 | 0.093 | 0.430 |
| 140 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 1.513 | 0.103 | 0.009 | **1.219** | 0.113 | 0.522 | 0.123 | 0.015 | **1.513** | 0.140 | 0.643 | 0.101 | 0.006 | **1.176** | 0.109 | 0.504 |
| 141 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.510 | 0.106 | 0.012 | **1.286** | 0.119 | 0.549 | 0.118 | 0.020 | **1.510** | 0.139 | 0.642 | 0.094 | 0.022 | **1.265** | 0.117 | 0.541 |
| 142 | SC | H B Robinson | | 1 | D032511 | 1.507 | 0.064 | 0.013 | 0.841 | 0.078 | 0.362 | 0.104 | 0.033 | **1.507** | 0.139 | 0.641 | 0.058 | 0.063 | **1.330** | 0.123 | 0.568 |
| 143 | TX | Big Brown | 3497 | 2 | | 1.503 | 0.111 | 0.005 | **1.262** | 0.117 | 0.539 | 0.057 | 0.006 | 0.677 | 0.063 | 0.293 | 0.134 | 0.004 | **1.503** | 0.139 | 0.639 |
| 144 | SC | Canadys Steam | | CAN3 | D03280CN3 | 1.491 | 0.065 | 0.004 | 0.751 | 0.070 | 0.324 | 0.129 | 0.008 | **1.491** | 0.138 | 0.634 | 0.073 | 0.018 | 0.995 | 0.092 | 0.428 |
| 145 | OH | Eastlake | 2837 | 1 | D028371 | 1.489 | 0.113 | 0.023 | **1.489** | 0.137 | 0.633 | | | | | | | | | | |
| 146 | TN | Gallatin | 3403 | 1,2 | D03403C12 | 1.465 | 0.118 | 0.016 | **1.465** | 0.135 | 0.624 | | | | | | | | | | |
| 147 | IN | Merom | | 2SG1 | D062132G1 | 1.458 | 0.122 | 0.012 | **1.458** | 0.135 | 0.621 | | | | | | | | | | |
| 148 | NC | Roxboro | 2712 | 2 | D027122 | 1.441 | 0.072 | 0.059 | **1.441** | 0.133 | 0.614 | | | | | | | | | | |
| 149 | TX | Big Brown | 3497 | 1 | | 1.433 | 0.105 | 0.005 | **1.204** | 0.111 | 0.515 | 0.054 | 0.006 | 0.647 | 0.060 | 0.280 | 0.127 | 0.004 | **1.433** | 0.132 | 0.610 |
| 150 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 1.424 | 0.097 | 0.004 | **1.095** | 0.101 | 0.470 | 0.116 | 0.014 | **1.424** | 0.132 | 0.607 | 0.072 | 0.015 | 0.946 | 0.088 | 0.407 |
| 151 | OH | Eastlake | 2837 | 2 | D028372 | 1.421 | 0.109 | 0.021 | **1.421** | 0.131 | 0.605 | | | | | | | | | | |
| 152 | IN | Gibson | 6113 | 5 | D061135 | 1.405 | 0.080 | 0.048 | **1.405** | 0.130 | 0.599 | | | | | | | | | | |
| 153 | OH | Cardinal | 2828 | 1 | D028281 | 1.404 | 0.106 | 0.022 | **1.404** | 0.130 | 0.598 | | | | | | | | | | |
| 154 | WV | Longview Power | 56671 | 1 | | 1.399 | 0.081 | 0.047 | **1.399** | 0.129 | 0.596 | | | | | | | | | | |
| 155 | NC | L V Sutton | | 1, 2 | D02713C02 | 1.397 | 0.062 | 0.019 | 0.893 | 0.083 | 0.384 | 0.099 | 0.029 | **1.397** | 0.129 | 0.595 | 0.057 | 0.010 | 0.733 | 0.068 | 0.317 |
| 156 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 1.393 | 0.099 | 0.018 | **1.280** | 0.118 | 0.547 | 0.102 | 0.025 | **1.393** | 0.129 | 0.594 | 0.099 | 0.026 | **1.371** | 0.127 | 0.584 |
| 157 | MO | Sibley | | 1, 2, 3 | D02094C01 | 1.341 | 0.098 | 0.023 | **1.324** | 0.122 | 0.565 | 0.104 | 0.018 | **1.341** | 0.124 | 0.572 | 0.058 | 0.009 | 0.728 | 0.067 | 0.315 |
| 158 | NC | Marshall | 2727 | 1,2 | x11 | 1.325 | 0.035 | 0.085 | **1.325** | 0.122 | 0.566 | | | | | | | | | | |
| 159 | NC | Belews Creek | 8042 | 1 | D080421 | 1.304 | 0.031 | 0.087 | **1.304** | 0.121 | 0.557 | | | | | | | | | | |
| 160 | NC | Belews Creek | 8042 | 2 | D080422 | 1.302 | 0.031 | 0.086 | **1.302** | 0.120 | 0.556 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 161 | NC | Marshall | 2727 | 4 | D027274 | 1.297 | 0.028 | 0.089 | **1.297** | 0.120 | 0.554 | | | | | | | | | | |
| 162 | WI | Columbia | | 2 | D080232 | 1.256 | 0.058 | 0.019 | 0.850 | 0.079 | 0.367 | 0.089 | 0.026 | **1.256** | 0.116 | 0.537 | 0.052 | 0.012 | 0.702 | 0.065 | 0.303 |
| 163 | OH | J M Stuart | 2850 | 3 | D028503 | 1.244 | 0.066 | 0.047 | **1.244** | 0.115 | 0.532 | | | | | | | | | | |
| 164 | MN | Sherburne County | | 1, 2 | D06090CS1 | 1.242 | 0.059 | 0.033 | **1.008** | 0.093 | 0.433 | 0.071 | 0.042 | **1.242** | 0.115 | 0.531 | 0.030 | 0.015 | 0.501 | 0.047 | 0.218 |
| 165 | OH | Eastlake | 2837 | 3 | D028373 | 1.237 | 0.094 | 0.019 | **1.237** | 0.114 | 0.529 | | | | | | | | | | |
| 166 | MO | New Madrid Power Plant | | 1 | D021671 | 1.233 | 0.024 | 0.087 | **1.233** | 0.114 | 0.527 | | | | | | | | | | |
| 167 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 1.228 | 0.076 | 0.028 | **1.142** | 0.106 | 0.489 | 0.079 | 0.033 | **1.228** | 0.114 | 0.525 | 0.077 | 0.033 | **1.206** | 0.112 | 0.516 |
| 168 | MI | River Rouge | | 3 | D017403 | 1.214 | 0.066 | 0.045 | **1.214** | 0.112 | 0.519 | | | | | | | | | | |
| 169 | WV | Mountaineer (1301) | 6264 | 1 | D062641 | 1.180 | 0.061 | 0.046 | **1.180** | 0.109 | 0.505 | | | | | | | | | | |
| 170 | KY | Shawnee | | 1,2,3,4,5 | D01379C15 | 1.177 | 0.055 | 0.052 | **1.177** | 0.109 | 0.504 | | | | | | | | | | |
| 171 | WI | Columbia | | 1 | D080231 | 1.177 | 0.058 | 0.017 | 0.821 | 0.076 | 0.354 | 0.084 | 0.024 | **1.177** | 0.109 | 0.504 | 0.049 | 0.011 | 0.662 | 0.061 | 0.287 |
| 172 | OH | Eastlake | 2837 | 4,6, (5) | x17 | 1.167 | 0.070 | 0.036 | **1.167** | 0.108 | 0.500 | | | | | | | | | | |
| 173 | VA | Chesterfield Power Station | 3797 | 6 | D037976 | 1.154 | 0.056 | 0.049 | **1.154** | 0.107 | 0.494 | | | | | | | | | | |
| 174 | IN | IPL - Petersburg Generating Station | | 1 (50%) | D00994M1B | 1.134 | 0.087 | 0.016 | **1.134** | 0.105 | 0.486 | | | | | | | | | | |
| 175 | TX | Martin Lake | 6146 | 1 | | 1.124 | 0.079 | 0.009 | 0.967 | 0.089 | 0.416 | 0.040 | 0.010 | 0.556 | 0.052 | 0.241 | 0.096 | 0.007 | **1.124** | 0.104 | 0.482 |
| 176 | AR | Independence | | 1 | D066411 | 1.113 | 0.072 | 0.030 | **1.113** | 0.103 | 0.477 | | | | | | | | | | |
| 177 | OH | Cardinal | 2828 | 2 | D028282 | 1.101 | 0.077 | 0.024 | **1.101** | 0.102 | 0.472 | | | | | | | | | | |
| 178 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 1.098 | 0.046 | 0.016 | 0.680 | 0.063 | 0.294 | 0.071 | 0.029 | **1.098** | 0.102 | 0.471 | 0.058 | 0.028 | 0.941 | 0.087 | 0.405 |
| 179 | NC | Roxboro | 2712 | 1 | D027121 | 1.095 | 0.042 | 0.057 | **1.095** | 0.101 | 0.470 | | | | | | | | | | |
| 180 | OH | J M Stuart | 2850 | 1 | D028501 | 1.094 | 0.063 | 0.037 | **1.094** | 0.101 | 0.469 | | | | | | | | | | |
| 181 | MO | Labadie | | 4 | D021034 | 1.093 | 0.040 | 0.008 | 0.532 | 0.049 | 0.231 | 0.088 | 0.012 | **1.093** | 0.101 | 0.469 | 0.081 | 0.011 | **1.014** | 0.094 | 0.435 |
| 182 | KY | East Bend | 6018 | 2 | D060182 | 1.086 | 0.043 | 0.056 | **1.086** | 0.101 | 0.466 | | | | | | | | | | |
| 183 | AR | Independence | | 2 | D066412 | 1.085 | 0.073 | 0.026 | **1.085** | 0.100 | 0.465 | | | | | | | | | | |
| 184 | IN | Alcoa Allowance Management Inc | 6705 | 1,2 | D06705C02 | 1.072 | 0.020 | 0.077 | **1.072** | 0.099 | 0.460 | | | | | | | | | | |
| 185 | IN | IPL - Harding Street Station (EW Stout | 990 | 70 | D0099070 | 1.071 | 0.072 | 0.026 | **1.071** | 0.099 | 0.460 | | | | | | | | | | |
| 186 | WV | John E Amos | 3935 | 3 | D039353 | 1.059 | 0.055 | 0.041 | **1.059** | 0.098 | 0.455 | | | | | | | | | | |
| 187 | OK | Grand River Dam Authority | | 1 | D001651 | 1.055 | 0.027 | 0.013 | 0.431 | 0.040 | 0.188 | 0.065 | 0.031 | **1.055** | 0.098 | 0.453 | 0.033 | 0.026 | 0.652 | 0.060 | 0.282 |
| 188 | TX | Martin Lake | 6146 | 2 | | 1.042 | 0.074 | 0.008 | 0.893 | 0.083 | 0.384 | 0.038 | 0.009 | 0.507 | 0.047 | 0.220 | 0.089 | 0.006 | **1.042** | 0.096 | 0.448 |
| 189 | KY | Ghent | 1356 | 1,2 ... (1,4) | D01356C01 | 1.037 | 0.050 | 0.044 | **1.037** | 0.096 | 0.445 | | | | | | | | | | |
| 190 | IN | IPL - Petersburg Generating Station | | 2(50%) | D00994M2B | 1.028 | 0.059 | 0.035 | **1.028** | 0.095 | 0.442 | | | | | | | | | | |
| 191 | TX | Martin Lake | 6146 | 3 | | 0.962 | 0.068 | 0.008 | 0.827 | 0.077 | 0.357 | 0.035 | 0.009 | 0.475 | 0.044 | 0.207 | 0.082 | 0.006 | 0.962 | 0.089 | 0.414 |
| 192 | NY | Oswego Harbor Power | 2594 | 5 | D025945 | 0.954 | 0.069 | 0.019 | 0.954 | 0.088 | 0.411 | | | | | | | | | | |
| 193 | KS | La Cygne | | 2 | D012412 | 0.939 | 0.040 | 0.032 | 0.786 | 0.073 | 0.339 | 0.051 | 0.035 | 0.939 | 0.087 | 0.404 | 0.041 | 0.024 | 0.711 | 0.066 | 0.307 |
| 194 | KY | Shawnee | | 6,7,8,9,10 | D01379C60 | 0.937 | 0.048 | 0.037 | 0.937 | 0.087 | 0.403 | | | | | | | | | | |
| 195 | OH | J M Stuart | 2850 | 2 | D028502 | 0.932 | 0.037 | 0.048 | 0.932 | 0.086 | 0.401 | | | | | | | | | | |
| 196 | KY | H L Spurlock | 6041 | 2 | D060412 | 0.928 | 0.059 | 0.026 | 0.928 | 0.086 | 0.400 | | | | | | | | | | |
| 197 | IN | IPL - Eagle Valley Generating Station | | 5, 6 | D00991C56 | 0.923 | 0.073 | 0.012 | 0.923 | 0.085 | 0.397 | | | | | | | | | | |
| 198 | MD | Morgantown | 1573 | 2 | D015732 | 0.922 | 0.068 | 0.016 | 0.922 | 0.085 | 0.397 | | | | | | | | | | |
| 199 | IN | R Gallagher | 1008 | 1,2 | D01008C01 | 0.919 | 0.063 | 0.021 | 0.919 | 0.085 | 0.396 | | | | | | | | | | |
| 200 | MO | New Madrid Power Plant | | 2 | D021672 | 0.912 | 0.022 | 0.060 | 0.912 | 0.084 | 0.393 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 201 | WI | Nelson Dewey | 4054 | 2 | | 0.896 | 0.069 | 0.013 | 0.896 | 0.083 | 0.386 | | | | | | | | | | |
| 202 | OH | Conesville | 2840 | 4 | D028504 | 0.895 | 0.051 | 0.031 | 0.895 | 0.083 | 0.385 | | | | | | | | | | |
| 203 | KY | H L Spurlock | 6041 | 1 | D060411 | 0.890 | 0.067 | 0.014 | 0.890 | 0.082 | 0.383 | | | | | | | | | | |
| 204 | AR | White Bluff | | 1 | D060091 | 0.871 | 0.058 | 0.022 | 0.871 | 0.081 | 0.375 | | | | | | | | | | |
| 205 | AR | White Bluff | | 2 | D060092 | 0.860 | 0.055 | 0.023 | 0.860 | 0.080 | 0.371 | | | | | | | | | | |
| 206 | IL | Joliet 29 | | 81, 82 | D00384C82 | 0.858 | 0.062 | 0.016 | 0.858 | 0.079 | 0.370 | | | | | | | | | | |
| 207 | TX | Monticello | 6147 | 1 | | 0.857 | 0.062 | 0.005 | 0.728 | 0.067 | 0.315 | 0.032 | 0.005 | 0.404 | 0.037 | 0.176 | 0.075 | 0.004 | 0.857 | 0.079 | 0.370 |
| 208 | IN | R Gallagher | 1008 | 3,4 | D01008C02 | 0.830 | 0.056 | 0.020 | 0.830 | 0.077 | 0.358 | | | | | | | | | | |
| 209 | NY | Huntley Power | 2549 | 67,68 | D02549C01 | 0.819 | 0.060 | 0.015 | 0.819 | 0.076 | 0.353 | | | | | | | | | | |
| 210 | NC | Riverbend | 2732 | 9 | | 0.815 | 0.065 | 0.009 | 0.815 | 0.075 | 0.352 | | | | | | | | | | |
| 211 | NH | Merrimack | 2364 | 1 | D023641 | 0.798 | 0.027 | 0.002 | 0.311 | 0.029 | 0.136 | 0.072 | 0.002 | 0.798 | 0.074 | 0.344 | 0.066 | 0.006 | 0.791 | 0.073 | 0.341 |
| 212 | IL | Newton | | 2 | D060172 | 0.784 | 0.058 | 0.014 | 0.784 | 0.073 | 0.339 | | | | | | | | | | |
| 213 | MN | Sherburne County | | 3 | D060903 | 0.765 | 0.051 | 0.019 | 0.765 | 0.071 | 0.331 | | | | | | | | | | |
| 214 | WI | South Oak Creek | | 7, 8 | D04041CS4 | 0.726 | 0.052 | 0.014 | 0.726 | 0.067 | 0.314 | | | | | | | | | | |
| 215 | AL | Greene County | 10 | 1 | | 0.716 | 0.061 | 0.004 | 0.716 | 0.066 | 0.309 | | | | | | | | | | |
| 216 | MO | Rush Island | | 2 | D061552 | 0.715 | 0.060 | 0.006 | 0.715 | 0.066 | 0.309 | | | | | | | | | | |
| 217 | IN | Cayuga | 1001 | 2 | D010012 | 0.711 | 0.034 | 0.031 | 0.711 | 0.066 | 0.307 | | | | | | | | | | |
| 218 | OH | W H Sammis | 2866 | 7 | D028667 | 0.699 | 0.026 | 0.037 | 0.699 | 0.065 | 0.302 | | | | | | | | | | |
| 219 | MO | Rush Island | | 1 | D061551 | 0.697 | 0.057 | 0.007 | 0.697 | 0.065 | 0.302 | | | | | | | | | | |
| 220 | MA | Brayton Point | 1619 | 2 | D016192 | 0.696 | 0.027 | 0.006 | 0.357 | 0.033 | 0.155 | 0.058 | 0.006 | 0.696 | 0.064 | 0.301 | 0.049 | 0.008 | 0.618 | 0.057 | 0.268 |
| 221 | MI | Monroe | 1733 | 3,4 | D01733C34 | 0.695 | 0.030 | 0.034 | 0.695 | 0.064 | 0.300 | | | | | | | | | | |
| 222 | KY | E W Brown | 1355 | 2,3 | D01355C03 | 0.688 | 0.019 | 0.044 | 0.688 | 0.064 | 0.298 | | | | | | | | | | |
| 223 | TX | Monticello | 6147 | 2 | | 0.682 | 0.058 | 0.004 | 0.682 | 0.063 | 0.295 | | | | | | | | | | |
| 224 | NE | Nebraska City Station | | 1 | D060961 | 0.672 | 0.052 | 0.009 | 0.672 | 0.062 | 0.291 | | | | | | | | | | |
| 225 | AL | E C Gaston | 26 | 5 | | 0.671 | 0.025 | 0.036 | 0.671 | 0.062 | 0.291 | | | | | | | | | | |
| 226 | IA | George Neal North | | 3 | D010913 | 0.666 | 0.039 | 0.022 | 0.666 | 0.062 | 0.288 | | | | | | | | | | |
| 227 | IA | Louisa | | 101 | D06664101 | 0.650 | 0.032 | 0.027 | 0.650 | 0.060 | 0.282 | | | | | | | | | | |
| 228 | TX | Monticello | 6147 | 3 | | 0.649 | 0.052 | 0.008 | 0.649 | 0.060 | 0.281 | | | | | | | | | | |
| 229 | OH | W H Sammis | 2866 | 1,2 | D02866C01 | 0.640 | 0.018 | 0.040 | 0.640 | 0.059 | 0.277 | | | | | | | | | | |
| 230 | OH | W H Sammis | 2866 | 6 | D02866M6A | 0.640 | 0.027 | 0.031 | 0.640 | 0.059 | 0.277 | | | | | | | | | | |
| 231 | IN | Cayuga | 1001 | 1 | D010011 | 0.637 | 0.029 | 0.029 | 0.637 | 0.059 | 0.276 | | | | | | | | | | |
| 232 | MN | Black Dog | | 3, 4 | D01904CS1 | 0.637 | 0.020 | 0.037 | 0.637 | 0.059 | 0.276 | | | | | | | | | | |
| 233 | OH | W H Sammis | 2866 | 3,4 | D02866C02 | 0.630 | 0.017 | 0.040 | 0.630 | 0.058 | 0.273 | | | | | | | | | | |
| 234 | IA | Walter Scott Jr. Energy Center | | 3 | D010823 | 0.623 | 0.033 | 0.023 | 0.623 | 0.058 | 0.270 | | | | | | | | | | |
| 235 | TX | Limestone | 298 | LIM2 | | 0.622 | 0.045 | 0.012 | 0.622 | 0.058 | 0.270 | | | | | | | | | | |
| 236 | TX | H W Pirkey Power Plant | 7902 | 1 | | 0.620 | 0.049 | 0.007 | 0.620 | 0.057 | 0.268 | | | | | | | | | | |
| 237 | KY | Green River | | 5 | D013575 | 0.618 | 0.049 | 0.008 | 0.618 | 0.057 | 0.268 | | | | | | | | | | |
| 238 | WI | Edgewater (4050) | 4050 | 5 | | 0.608 | 0.047 | 0.008 | 0.608 | 0.056 | 0.263 | | | | | | | | | | |
| 239 | MA | Brayton Point | 1619 | 1 | D016191 | 0.600 | 0.025 | 0.004 | 0.309 | 0.029 | 0.135 | 0.051 | 0.004 | 0.600 | 0.056 | 0.260 | 0.043 | 0.005 | 0.524 | 0.049 | 0.228 |
| 240 | MO | Thomas Hill Energy Center | | MB3 | D02168MB3 | 0.598 | 0.044 | 0.010 | 0.598 | 0.055 | 0.259 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 241 | GA | Yates | | Y5BR | D00728Y5R | 0.589 | 0.051 | 0.003 | 0.589 | 0.055 | 0.255 | | | | | | | | | | |
| 242 | TX | Limestone | 298 | LIM1 | | 0.579 | 0.041 | 0.012 | 0.579 | 0.054 | 0.251 | | | | | | | | | | |
| 243 | NC | Marshall | 2727 | 3 | D027273 | 0.576 | 0.029 | 0.023 | 0.576 | 0.053 | 0.250 | | | | | | | | | | |
| 244 | PA | Shawville | 3131 | 1 | D031311 | 0.568 | 0.044 | 0.008 | 0.568 | 0.053 | 0.246 | | | | | | | | | | |
| 245 | GA | Bowen | 703 | 1BLR | D007031LR | 0.559 | 0.022 | 0.029 | 0.559 | 0.052 | 0.243 | | | | | | | | | | |
| 246 | PA | Shawville | 3131 | 2 | D031312 | 0.557 | 0.044 | 0.007 | 0.557 | 0.052 | 0.242 | | | | | | | | | | |
| 247 | IL | Marion | | 4 | D009764 | 0.557 | 0.034 | 0.017 | 0.557 | 0.052 | 0.242 | | | | | | | | | | |
| 248 | SC | Urquhart | | URQ3 | D03295UQ3 | 0.553 | 0.048 | 0.002 | 0.553 | 0.051 | 0.240 | | | | | | | | | | |
| 249 | KY | Green River | | 4 | D013574 | 0.547 | 0.042 | 0.008 | 0.547 | 0.051 | 0.237 | | | | | | | | | | |
| 250 | MO | Labadie | | 3 | D021033 | 0.534 | 0.040 | 0.008 | 0.534 | 0.049 | 0.232 | | | | | | | | | | |
| 251 | TN | Cumberland | 3399 | 1 | | 0.533 | 0.032 | 0.016 | 0.533 | 0.049 | 0.231 | | | | | | | | | | |
| 252 | MO | Labadie | | 1 | D021031 | 0.507 | 0.039 | 0.008 | 0.507 | 0.047 | 0.220 | | | | | | | | | | |
| 253 | GA | Bowen | 703 | 4BLR | D007034LR | 0.496 | 0.012 | 0.033 | 0.496 | 0.046 | 0.216 | | | | | | | | | | |
| 254 | GA | Bowen | 703 | 2BLR | D007032LR | 0.483 | 0.010 | 0.033 | 0.483 | 0.045 | 0.210 | | | | | | | | | | |
| 255 | IL | Joppa Steam | | 1, 2 | D00887CS1 | 0.469 | 0.035 | 0.008 | 0.469 | 0.044 | 0.204 | | | | | | | | | | |
| 256 | IL | Joppa Steam | | 3, 4 | D00887CS2 | 0.464 | 0.036 | 0.007 | 0.464 | 0.043 | 0.202 | | | | | | | | | | |
| 257 | KY | D B Wilson | | W1 | D06823W1 | 0.454 | 0.034 | 0.008 | 0.454 | 0.042 | 0.198 | | | | | | | | | | |
| 258 | OH | W H Sammis | 2866 | 5 | D028665 | 0.453 | 0.011 | 0.030 | 0.453 | 0.042 | 0.197 | | | | | | | | | | |
| 259 | NH | Newington | 8002 | 1 | D080021 | 0.446 | 0.016 | 0.002 | 0.202 | 0.019 | 0.089 | 0.040 | 0.001 | 0.446 | 0.041 | 0.194 | 0.034 | 0.007 | 0.446 | 0.041 | 0.194 |
| 260 | ME | William F Wyman | 1507 | 4 | D015074 | 0.431 | 0.010 | 0.001 | 0.125 | 0.012 | 0.055 | 0.034 | 0.002 | 0.393 | 0.037 | 0.171 | 0.032 | 0.008 | 0.431 | 0.040 | 0.187 |
| 261 | KS | Nearman Creek | 6064 | N1 | | 0.429 | 0.020 | 0.019 | 0.429 | 0.040 | 0.187 | | | | | | | | | | |
| 262 | KS | La Cygne | 1241 | 1 | | 0.426 | 0.025 | 0.014 | 0.426 | 0.040 | 0.185 | 0.025 | 0.011 | 0.392 | 0.036 | 0.171 | 0.018 | 0.006 | 0.266 | 0.025 | 0.116 |
| 263 | WI | Genoa | 4143 | 1 | | 0.418 | 0.029 | 0.010 | 0.418 | 0.039 | 0.182 | | | | | | | | | | |
| 264 | MO | Sikeston | | 1 | D067681 | 0.404 | 0.024 | 0.013 | 0.404 | 0.038 | 0.176 | | | | | | | | | | |
| 265 | SC | McMeekin | | MCM2 | D03287MM2 | 0.377 | 0.032 | 0.002 | 0.377 | 0.035 | 0.164 | | | | | | | | | | |
| 266 | IL | Wood River Power Station | | 5 | D008985 | 0.366 | 0.024 | 0.010 | 0.366 | 0.034 | 0.159 | | | | | | | | | | |
| 267 | SC | McMeekin | | MCM1 | D03287MM1 | 0.363 | 0.031 | 0.003 | 0.363 | 0.034 | 0.158 | | | | | | | | | | |
| 268 | OK | Muskogee | 2952 | 4 | | 0.343 | 0.020 | 0.011 | 0.343 | 0.032 | 0.150 | | | | | | | | | | |
| 269 | TX | Welsh Power Plant | 6139 | 3 | | 0.342 | 0.025 | 0.006 | 0.342 | 0.032 | 0.149 | | | | | | | | | | |
| 270 | OK | Sooner | 6095 | 1 | | 0.330 | 0.022 | 0.009 | 0.330 | 0.031 | 0.144 | | | | | | | | | | |
| 271 | OK | Sooner | | 2 | D060952 | 0.325 | 0.021 | 0.009 | 0.325 | 0.030 | 0.142 | | | | | | | | | | |
| 272 | TX | Welsh Power Plant | 6139 | 1 | | 0.320 | 0.024 | 0.006 | 0.320 | 0.030 | 0.140 | | | | | | | | | | |
| 273 | TX | Welsh Power Plant | 6139 | 2 | | 0.319 | 0.024 | 0.005 | 0.319 | 0.030 | 0.139 | | | | | | | | | | |
| 274 | SC | Winyah | 6249 | 2,3,4 | x23 | 0.315 | 0.024 | 0.005 | 0.315 | 0.029 | 0.138 | | | | | | | | | | |
| 275 | NY | Northport | 2516 | 1,2,4,ugt001 | x14 | 0.314 | 0.021 | 0.008 | 0.314 | 0.029 | 0.137 | 0.017 | 0.006 | 0.255 | 0.024 | 0.112 | | | | | |
| 276 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.313 | 0.016 | 0.008 | 0.266 | 0.025 | 0.116 | 0.021 | 0.007 | 0.313 | 0.029 | 0.137 | 0.017 | 0.009 | 0.294 | 0.027 | 0.128 |
| 277 | OK | Muskogee | | 5 | D029525 | 0.312 | 0.019 | 0.010 | 0.312 | 0.029 | 0.136 | | | | | | | | | | |
| 278 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.309 | 0.016 | 0.008 | 0.263 | 0.024 | 0.115 | 0.016 | 0.011 | 0.299 | 0.028 | 0.130 | 0.017 | 0.011 | 0.309 | 0.029 | 0.135 |
| 279 | NY | NRG Dunkirk Power | | 3 | D02554C03 | 0.308 | 0.019 | 0.009 | 0.308 | 0.029 | 0.134 | | | | | | | | | | |
| 280 | OK | Hugo | | 1 | D067721 | 0.299 | 0.022 | 0.006 | 0.299 | 0.028 | 0.130 | | | | | | | | | | |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 281 | AR | Flint Creek Power Plant | 6138 | 1 | | 0.297 | 0.015 | 0.012 | 0.297 | 0.028 | 0.129 | | | | | | | | | | |
| 282 | MA | Brayton Point | 1619 | 4 | x07 | 0.288 | 0.015 | 0.003 | 0.199 | 0.018 | 0.087 | 0.022 | 0.004 | 0.283 | 0.026 | 0.124 | 0.021 | 0.006 | 0.288 | 0.027 | 0.125 |
| 283 | GA | Bowen | 703 | 3BLR | D007033LR | 0.284 | 0.012 | 0.014 | 0.284 | 0.026 | 0.124 | | | | | | | | | | |
| 284 | NY | Dynegy Danskammer | 2480 | 1,2,3 | x13 | 0.273 | 0.020 | 0.005 | 0.273 | 0.025 | 0.119 | | | | | | | | | | |
| 285 | MA | Canal Station | 1599 | 1 | D015991 | 0.266 | 0.018 | 0.002 | 0.225 | 0.021 | 0.098 | 0.022 | 0.003 | 0.266 | 0.025 | 0.116 | 0.019 | 0.004 | 0.256 | 0.024 | 0.112 |
| 286 | IN | Alcoa Allowance Management Inc | 6705 | 4 | D067054 | 0.259 | 0.012 | 0.012 | 0.259 | 0.024 | 0.113 | | | | | | | | | | |
| 287 | NC | Cliffside | 2721 | 5 | D027215 | 0.253 | 0.014 | 0.009 | 0.253 | 0.023 | 0.110 | | | | | | | | | | |
| 288 | MO | Meramec | | 3 | D021043 | 0.246 | 0.016 | 0.006 | 0.246 | 0.023 | 0.107 | | | | | | | | | | |
| 289 | NY | CCI Roseton LLC | 8006 | 2 | D080062 | 0.232 | 0.012 | 0.009 | 0.232 | 0.022 | 0.101 | | | | | | | | | | |
| 290 | MA | Canal Station | 1599 | 2 | D015992 | 0.210 | 0.014 | 0.004 | 0.200 | 0.019 | 0.087 | 0.013 | 0.004 | 0.186 | 0.017 | 0.081 | 0.013 | 0.006 | 0.210 | 0.020 | 0.092 |
| 291 | IN | Alcoa Allowance Management Inc | 6705 | 3 | x02 | 0.208 | 0.005 | 0.014 | 0.208 | 0.019 | 0.091 | | | | | | | | | | |
| 292 | MA | Salem Harbor Station | 1626 | 1 | | 0.186 | 0.006 | 0.001 | 0.075 | 0.007 | 0.033 | 0.016 | 0.001 | 0.186 | 0.017 | 0.081 | 0.010 | 0.003 | 0.141 | 0.013 | 0.062 |
| 293 | NJ | Mercer Generating Station | 2408 | 1 | D024081 | 0.180 | 0.008 | 0.008 | 0.180 | 0.017 | 0.079 | | | | | | | | | | |
| 294 | DE | Edge Moor | 593 | 5 | D005935 | 0.175 | 0.012 | 0.004 | 0.175 | 0.016 | 0.076 | | | | | | | | | | |
| 295 | NY | Northport | 2516 | 3 | D025163 | 0.165 | 0.012 | 0.003 | 0.165 | 0.015 | 0.072 | | | | | | | | | | |
| 296 | CT | Middletown | 562 | 4 | | 0.163 | 0.009 | 0.006 | 0.163 | 0.015 | 0.071 | | | | | | | | | | |
| 297 | NJ | Mercer Generating Station | 2408 | 2 | D024082 | 0.162 | 0.007 | 0.008 | 0.162 | 0.015 | 0.071 | | | | | | | | | | |
| 298 | CT | New Haven Harbor | 6156 | NHB1 | | 0.148 | 0.011 | 0.003 | 0.148 | 0.014 | 0.065 | | | | | | | | | | |
| 299 | NH | Schiller | 2367 | 6 | | 0.139 | 0.004 | 0.001 | 0.057 | 0.005 | 0.025 | 0.012 | 0.001 | 0.139 | 0.013 | 0.061 | 0.009 | 0.003 | 0.124 | 0.011 | 0.054 |
| 300 | NH | Schiller | 2367 | 4 | | 0.137 | 0.004 | 0.001 | 0.057 | 0.005 | 0.025 | 0.012 | 0.001 | 0.137 | 0.013 | 0.060 | 0.008 | 0.003 | 0.122 | 0.011 | 0.054 |
| 301 | SC | Williams | 3298 | WIL1 | D03298WL1 | 0.129 | 0.007 | 0.005 | 0.129 | 0.012 | 0.056 | | | | | | | | | | |
| 302 | KS | Tecumseh Energy Center | 1252 | 10 | | 0.121 | 0.008 | 0.003 | 0.121 | 0.011 | 0.053 | | | | | | | | | | |
| 303 | KS | Quindaro | 1295 | 2 | | 0.108 | 0.006 | 0.004 | 0.108 | 0.010 | 0.047 | | | | | | | | | | |
| 304 | OH | Miami Fort Generating Station | 2832 | 5-1, 5-2, 6 | D02832C06 | 0.059 | 0.005 | 0.000 | 0.059 | 0.005 | 0.026 | | | | | | | | | | |
| 305 | SC | Winyah | 6249 | 1 | D062491 | 0.045 | 0.003 | 0.001 | 0.045 | 0.004 | 0.020 | | | | | | | | | | |
| 306 | ME | William F Wyman | 1507 | 3 | | 0.013 | 0.001 | 0.000 | 0.013 | 0.001 | 0.006 | | | | | | | | | | |
| 307 | ME | William F Wyman | 1507 | 1 | | 0.007 | 0.001 | 0.000 | 0.007 | 0.001 | 0.003 | | | | | | | | | | |
| 308 | ME | William F Wyman | 1507 | 2 | | 0.007 | 0.001 | 0.000 | 0.007 | 0.001 | 0.003 | | | | | | | | | | |
| 309 | IL | Newton | | 1 | D060171 | 0.000 | | | | | | | | | | | | | | | |
| 310 | MA | Salem Harbor Station | 1626 | 3 | D016263 | 0.000 | | | | | | | | | | | | | | | |
| 311 | NY | CCI Roseton LLC | 8006 | 1 | D080061 | 0.000 | | | | | | | | | | | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

## F.22 2015 EGU Ranking Visibility Impairing Sources to Shenandoah

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | OH | Muskingum River | 2872 | 5 | D028725 | 15.180 | 1.010 | 0.037 | 11.781 | 1.035 | 4.153 | 1.134 | 0.062 | 13.572 | 1.178 | 4.641 | 1.303 | 0.041 | 15.180 | 1.320 | 5.108 |
| 2 | PA | Homer City | 3122 | 1 | D031221 | 13.635 | 0.802 | 0.177 | 10.989 | 0.967 | 3.916 | 0.826 | 0.210 | 11.483 | 1.020 | 4.103 | 0.985 | 0.233 | 13.635 | 1.194 | 4.692 |
| 3 | PA | Homer City | 3122 | 2 | D031222 | 12.044 | 0.708 | 0.159 | 9.689 | 0.858 | 3.529 | 0.729 | 0.189 | 10.161 | 0.907 | 3.705 | 0.869 | 0.210 | 12.044 | 1.061 | 4.245 |
| 4 | OH | Avon Lake Power Plant | 2836 | 12 | D0283612 | 11.893 | 0.819 | 0.118 | 10.554 | 0.926 | 3.774 | 0.570 | 0.150 | 8.255 | 0.715 | 3.002 | 0.967 | 0.097 | 11.893 | 1.049 | 4.202 |
| 5 | VA | Yorktown Power Station | 3809 | 3 | D038093 | 10.549 | 0.484 | 0.275 | 8.433 | 0.754 | 3.148 | 0.735 | 0.221 | 10.549 | 0.943 | 3.834 | 0.343 | 0.131 | 5.238 | 0.476 | 2.070 |
| 6 | OH | Muskingum River | 2872 | 1,2,3,4 | D02872C04 | 7.774 | 0.472 | 0.071 | 5.873 | 0.542 | 2.336 | 0.506 | 0.113 | 6.634 | 0.617 | 2.629 | 0.628 | 0.073 | 7.774 | 0.698 | 2.937 |
| 7 | KY | Big Sandy | 1353 | BSU1,BSU2 | D01353C02 | 7.448 | 0.613 | 0.074 | 7.448 | 0.684 | 2.883 | 0.475 | 0.082 | 6.048 | 0.556 | 2.389 | 0.328 | 0.114 | 4.875 | 0.443 | 1.940 |
| 8 | WV | Harrison Power Station | | 1 (25%), 2 (20% | D03944C01 | 6.978 | 0.179 | 0.390 | 6.354 | 0.573 | 2.458 | 0.140 | 0.334 | 5.281 | 0.479 | 2.084 | 0.169 | 0.456 | 6.978 | 0.629 | 2.673 |
| 9 | OH | W H Zimmer Generating Station | 6019 | 1 | D060191 | 6.904 | 0.332 | 0.259 | 6.904 | 0.591 | 2.527 | 0.247 | 0.186 | 5.058 | 0.436 | 1.908 | 0.147 | 0.220 | 4.059 | 0.370 | 1.640 |
| 10 | PA | Brunner Island | 3140 | 1,2 | D03140C12 | 6.873 | 0.169 | 0.096 | 2.882 | 0.268 | 1.207 | 0.310 | 0.314 | 6.873 | 0.624 | 2.656 | 0.142 | 0.371 | 5.718 | 0.518 | 2.240 |
| 11 | IN | Wabash River Gen Station | 1010 | 2,3,4,5,6 | D01010C05 | 6.597 | 0.373 | 0.023 | 4.333 | 0.396 | 1.747 | 0.553 | 0.042 | 6.597 | 0.594 | 2.539 | 0.306 | 0.029 | 3.684 | 0.337 | 1.500 |
| 12 | GA | Harllee Branch | 709 | 3&4 | D00709C02 | 6.352 | 0.526 | 0.055 | 6.352 | 0.579 | 2.482 | 0.241 | 0.045 | 3.149 | 0.289 | 1.295 | 0.278 | 0.052 | 3.630 | 0.332 | 1.479 |
| 13 | IN | Rockport | 6166 | MB1,MB2 | D06166C02 | 6.061 | 0.230 | 0.081 | 3.464 | 0.313 | 1.400 | 0.374 | 0.173 | 6.061 | 0.547 | 2.356 | 0.304 | 0.144 | 4.936 | 0.449 | 1.962 |
| 14 | WV | Kammer | 3947 | 1,2,3 | D03947C03 | 5.989 | 0.442 | 0.095 | 5.989 | 0.536 | 2.312 | 0.438 | 0.090 | 5.881 | 0.527 | 2.277 | 0.472 | 0.066 | 5.933 | 0.537 | 2.316 |
| 15 | OH | Gen J M Gavin | 8102 | 1 | D081021 | 5.893 | 0.314 | 0.122 | 4.938 | 0.437 | 1.915 | 0.305 | 0.115 | 4.775 | 0.422 | 1.853 | 0.359 | 0.175 | 5.893 | 0.533 | 2.301 |
| 16 | PA | Brunner Island | 3140 | 3 | D031403 | 5.492 | 0.115 | 0.104 | 2.481 | 0.222 | 1.009 | 0.279 | 0.201 | 5.492 | 0.482 | 2.095 | 0.091 | 0.204 | 3.272 | 0.300 | 1.343 |
| 17 | PA | Keystone | 3136 | 1 | D031361 | 5.432 | 0.193 | 0.187 | 4.232 | 0.383 | 1.694 | 0.228 | 0.230 | 5.092 | 0.461 | 2.012 | 0.239 | 0.251 | 5.432 | 0.493 | 2.139 |
| 18 | OH | Gen J M Gavin | 8102 | 2 | D081022 | 5.428 | 0.294 | 0.109 | 4.547 | 0.404 | 1.781 | 0.286 | 0.103 | 4.397 | 0.390 | 1.723 | 0.336 | 0.156 | 5.428 | 0.492 | 2.138 |
| 19 | IN | Tanners Creek | 988 | U4 | D00988U4 | 5.321 | 0.412 | 0.070 | 5.321 | 0.482 | 2.097 | 0.259 | 0.058 | 3.476 | 0.319 | 1.426 | 0.245 | 0.043 | 3.154 | 0.289 | 1.297 |
| 20 | PA | Keystone | 3136 | 2 | D031362 | 5.267 | 0.185 | 0.183 | 4.104 | 0.372 | 1.646 | 0.219 | 0.226 | 4.937 | 0.447 | 1.956 | 0.229 | 0.246 | 5.267 | 0.478 | 2.081 |
| 21 | OH | Killen Station | 6031 | 2 | D060312 | 5.147 | 0.242 | 0.188 | 5.147 | 0.433 | 1.898 | 0.235 | 0.182 | 4.977 | 0.419 | 1.840 | 0.140 | 0.197 | 3.723 | 0.340 | 1.514 |
| 22 | PA | Shawville | 3131 | 3,4 | D03131CS1 | 5.127 | 0.248 | 0.025 | 3.030 | 0.274 | 1.234 | 0.397 | 0.065 | 5.127 | 0.463 | 2.018 | 0.232 | 0.054 | 3.137 | 0.287 | 1.291 |
| 23 | VA | Yorktown Power Station | 3809 | 1,2 | D03809CS0 | 4.986 | 0.249 | 0.131 | 4.232 | 0.381 | 1.686 | 0.350 | 0.103 | 4.986 | 0.454 | 1.982 | 0.245 | 0.077 | 3.543 | 0.324 | 1.446 |
| 24 | MD | Herbert A Wagner | 1554 | 3 | D015543 | 4.605 | 0.238 | 0.011 | 2.606 | 0.251 | 1.134 | 0.313 | 0.017 | 3.540 | 0.332 | 1.478 | 0.394 | 0.025 | 4.605 | 0.419 | 1.842 |
| 25 | WV | Pleasants Power Station | 6004 | 1 | D060041 | 4.598 | 0.153 | 0.147 | 3.393 | 0.304 | 1.359 | 0.140 | 0.290 | 4.598 | 0.435 | 1.907 | 0.147 | 0.186 | 3.674 | 0.336 | 1.496 |
| 26 | WV | Kanawha River | 3936 | 1,2 | D03936C02 | 4.428 | 0.289 | 0.111 | 4.428 | 0.401 | 1.768 | 0.179 | 0.078 | 2.841 | 0.260 | 1.172 | 0.159 | 0.084 | 2.677 | 0.246 | 1.111 |
| 27 | OH | Conesville | 2840 | 5,6 | D02840C06 | 4.292 | 0.098 | 0.117 | 2.372 | 0.218 | 0.992 | 0.114 | 0.151 | 2.976 | 0.269 | 1.212 | 0.176 | 0.212 | 4.292 | 0.391 | 1.727 |
| 28 | PA | Homer City | | 3 | D031223 | 4.046 | 0.111 | 0.195 | 3.463 | 0.311 | 1.389 | 0.107 | 0.262 | 4.046 | 0.375 | 1.659 | 0.114 | 0.240 | 3.930 | 0.359 | 1.592 |
| 29 | NC | Roxboro | 2712 | 3A,3B | D02712C03 | 4.031 | 0.117 | 0.103 | 2.457 | 0.223 | 1.012 | 0.193 | 0.167 | 4.031 | 0.364 | 1.613 | 0.111 | 0.087 | 2.172 | 0.200 | 0.911 |
| 30 | NC | Roxboro | 2712 | 4A,4B | D02712C04 | 3.880 | 0.122 | 0.091 | 2.367 | 0.216 | 0.982 | 0.201 | 0.148 | 3.880 | 0.352 | 1.564 | 0.115 | 0.077 | 2.111 | 0.194 | 0.886 |
| 31 | PA | Montour | 3149 | 1 | D031491 | 3.804 | 0.150 | 0.107 | 2.960 | 0.260 | 1.174 | 0.118 | 0.224 | 3.804 | 0.346 | 1.538 | 0.063 | 0.136 | 2.210 | 0.203 | 0.926 |
| 32 | MI | Trenton Channel | 1745 | 9A | D017459A | 3.802 | 0.159 | 0.031 | 2.079 | 0.192 | 0.874 | 0.299 | 0.048 | 3.802 | 0.348 | 1.547 | 0.218 | 0.045 | 2.889 | 0.265 | 1.195 |
| 33 | KY | Mill Creek | 1364 | 1,2,3 | x05 | 3.795 | 0.147 | 0.048 | 2.072 | 0.197 | 0.898 | 0.311 | 0.055 | 3.795 | 0.367 | 1.627 | 0.144 | 0.081 | 2.475 | 0.228 | 1.032 |
| 34 | PA | Montour | 3149 | 2 | D031492 | 3.585 | 0.124 | 0.106 | 2.870 | 0.233 | 1.056 | 0.097 | 0.222 | 3.585 | 0.324 | 1.444 | 0.052 | 0.136 | 2.078 | 0.191 | 0.873 |
| 35 | MI | St. Clair | 1743 | 6 | D017436 | 3.369 | 0.235 | 0.013 | 2.663 | 0.250 | 1.127 | 0.283 | 0.026 | 3.369 | 0.311 | 1.390 | 0.166 | 0.018 | 2.017 | 0.186 | 0.849 |
| 36 | MD | C P Crane | 1552 | 2 | D015522 | 3.249 | 0.106 | 0.073 | 2.239 | 0.182 | 0.831 | 0.119 | 0.102 | 2.634 | 0.224 | 1.015 | 0.132 | 0.162 | 3.249 | 0.298 | 1.334 |
| 37 | OH | Kyger Creek | 2876 | 1,2,3,4,5 | D02876C01 | 3.222 | 0.171 | 0.113 | 3.174 | 0.287 | 1.287 | 0.132 | 0.086 | 2.388 | 0.220 | 1.000 | 0.172 | 0.121 | 3.222 | 0.295 | 1.323 |
| 38 | MI | J H Campbell | | 3 (50%) | D01710M3A | 3.196 | 0.070 | 0.008 | 0.836 | 0.079 | 0.367 | 0.175 | 0.015 | 1.963 | 0.192 | 0.875 | 0.259 | 0.032 | 3.196 | 0.293 | 1.313 |
| 39 | MI | St. Clair | 1743 | 7 | D017437 | 3.175 | 0.207 | 0.024 | 2.601 | 0.232 | 1.053 | 0.242 | 0.043 | 3.175 | 0.287 | 1.290 | 0.142 | 0.032 | 1.908 | 0.176 | 0.805 |
| 40 | PA | Cheswick | 8226 | 1 | D082261 | 3.005 | 0.059 | 0.170 | 3.005 | 0.234 | 1.060 | 0.053 | 0.219 | 2.976 | 0.278 | 1.248 | 0.048 | 0.191 | 2.656 | 0.244 | 1.103 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | MI | Belle River | | 2 | D060342 | 2.871 | 0.161 | 0.069 | 2.557 | 0.233 | 1.054 | 0.174 | 0.085 | 2.871 | 0.261 | 1.178 | 0.101 | 0.073 | 1.922 | 0.177 | 0.810 |
| 42 | MI | Belle River | | 1 | D060341 | 2.681 | 0.143 | 0.069 | 2.387 | 0.214 | 0.975 | 0.155 | 0.085 | 2.681 | 0.242 | 1.094 | 0.090 | 0.074 | 1.797 | 0.166 | 0.760 |
| 43 | KY | Ghent | 1356 | 3,4 ... (2,3) | D01356C02 | 2.638 | 0.162 | 0.081 | 2.638 | 0.245 | 1.107 | 0.151 | 0.058 | 2.269 | 0.212 | 0.964 | 0.102 | 0.075 | 1.949 | 0.180 | 0.821 |
| 44 | TN | Johnsonville | 3406 | 1 thru 10 | D03406C10 | 2.548 | 0.160 | 0.012 | 1.842 | 0.174 | 0.795 | 0.232 | 0.012 | 2.548 | 0.245 | 1.110 | 0.122 | 0.012 | 1.463 | 0.135 | 0.623 |
| 45 | MI | St. Clair | 1743 | 1,2,3,4,...6 | x09 | 2.519 | 0.115 | 0.050 | 1.886 | 0.167 | 0.764 | 0.140 | 0.083 | 2.519 | 0.225 | 1.022 | 0.072 | 0.069 | 1.553 | 0.143 | 0.660 |
| 46 | WV | Mitchell (WV) | 3948 | 1,2 | D03948C02 | 2.482 | 0.129 | 0.101 | 2.482 | 0.232 | 1.053 | 0.116 | 0.107 | 2.363 | 0.226 | 1.025 | 0.130 | 0.086 | 2.379 | 0.219 | 0.994 |
| 47 | IN | Tanners Creek | 988 | U1,U2,U3 | D00988C03 | 2.442 | 0.163 | 0.059 | 2.442 | 0.224 | 1.018 | 0.106 | 0.053 | 1.722 | 0.161 | 0.737 | 0.101 | 0.038 | 1.521 | 0.140 | 0.647 |
| 48 | GA | Yates | | Y6BR | D00728Y6R | 2.410 | 0.207 | 0.011 | 2.410 | 0.219 | 0.996 | 0.132 | 0.018 | 1.635 | 0.152 | 0.697 | 0.163 | 0.018 | 1.975 | 0.182 | 0.832 |
| 49 | MD | Brandon Shores | 602 | 2 | D006022 | 2.245 | 0.064 | 0.039 | 0.988 | 0.105 | 0.484 | 0.083 | 0.062 | 1.478 | 0.147 | 0.678 | 0.104 | 0.099 | 2.245 | 0.207 | 0.940 |
| 50 | IN | Whitewater Valley | | 1, 2 | D01040C12 | 2.185 | 0.185 | 0.015 | 2.185 | 0.201 | 0.917 | 0.124 | 0.021 | 1.581 | 0.146 | 0.673 | 0.132 | 0.007 | 1.522 | 0.141 | 0.647 |
| 51 | MD | Morgantown | 1573 | 1 | D015731 | 2.100 | 0.079 | 0.015 | 1.192 | 0.096 | 0.444 | 0.138 | 0.029 | 2.100 | 0.168 | 0.769 | 0.094 | 0.043 | 1.503 | 0.139 | 0.639 |
| 52 | IL | Powerton | | 51,52,61,62 | D00879C06 | 2.066 | 0.055 | 0.035 | 0.943 | 0.091 | 0.424 | 0.129 | 0.065 | 2.066 | 0.197 | 0.897 | 0.135 | 0.024 | 1.741 | 0.161 | 0.737 |
| 53 | MD | Brandon Shores | 602 | 1 | D006021 | 2.065 | 0.069 | 0.029 | 0.913 | 0.100 | 0.462 | 0.090 | 0.046 | 1.364 | 0.139 | 0.638 | 0.113 | 0.074 | 2.065 | 0.190 | 0.868 |
| 54 | MD | Chalk Point | 1571 | 1,2 | D01571CE2 | 2.048 | 0.136 | 0.002 | 1.364 | 0.140 | 0.642 | 0.167 | 0.006 | 1.893 | 0.174 | 0.798 | 0.181 | 0.006 | 2.048 | 0.189 | 0.861 |
| 55 | GA | Harllee Branch | 709 | 1,2 | D00709C01 | 1.939 | 0.169 | 0.016 | 1.939 | 0.186 | 0.849 | 0.070 | 0.014 | 0.903 | 0.084 | 0.393 | 0.091 | 0.021 | 1.221 | 0.113 | 0.522 |
| 56 | MD | C P Crane | 1552 | 1 | D015521 | 1.905 | 0.053 | 0.048 | 1.315 | 0.103 | 0.477 | 0.060 | 0.067 | 1.546 | 0.129 | 0.593 | 0.066 | 0.106 | 1.905 | 0.176 | 0.803 |
| 57 | IN | IPL - Petersburg Generating Station | | 3 | D009943 | 1.852 | 0.065 | 0.055 | 1.285 | 0.122 | 0.565 | 0.110 | 0.050 | 1.852 | 0.162 | 0.742 | 0.081 | 0.056 | 1.503 | 0.139 | 0.639 |
| 58 | AL | E C Gaston | 26 | 1, 2 | D00026CAN | 1.834 | 0.113 | 0.012 | 1.369 | 0.127 | 0.586 | 0.150 | 0.018 | 1.834 | 0.169 | 0.776 | 0.106 | 0.020 | 1.379 | 0.127 | 0.588 |
| 59 | IN | Michigan City Generating Station | | 12 | D0099712 | 1.808 | 0.133 | 0.011 | 1.539 | 0.146 | 0.670 | 0.149 | 0.018 | 1.808 | 0.169 | 0.773 | 0.119 | 0.020 | 1.515 | 0.140 | 0.644 |
| 60 | OH | J M Stuart | 2850 | 4 | D028404 | 1.676 | 0.086 | 0.052 | 1.676 | 0.140 | 0.643 | 0.076 | 0.038 | 1.424 | 0.116 | 0.536 | 0.037 | 0.045 | 0.896 | 0.083 | 0.386 |
| 61 | WV | John E Amos | 3935 | 1,2 | D03935C02 | 1.637 | 0.064 | 0.057 | 1.637 | 0.123 | 0.567 | 0.048 | 0.064 | 1.397 | 0.114 | 0.528 | 0.039 | 0.095 | 1.479 | 0.137 | 0.629 |
| 62 | MI | J H Campbell | | A,B,1,2 | D01710C09 | 1.617 | 0.052 | 0.009 | 0.662 | 0.061 | 0.285 | 0.136 | 0.016 | 1.617 | 0.154 | 0.707 | 0.126 | 0.020 | 1.594 | 0.147 | 0.677 |
| 63 | IN | IPL - Harding Street Station (EW Stout) | | 50 | D0099050 | 1.605 | 0.110 | 0.008 | 1.291 | 0.119 | 0.549 | 0.132 | 0.013 | 1.605 | 0.147 | 0.674 | 0.108 | 0.006 | 1.244 | 0.115 | 0.532 |
| 64 | IN | Gibson | 6113 | 1,2,3 | D06113C03 | 1.471 | 0.056 | 0.043 | 1.029 | 0.101 | 0.469 | 0.073 | 0.053 | 1.275 | 0.127 | 0.587 | 0.069 | 0.065 | 1.471 | 0.136 | 0.626 |
| 65 | IN | IPL - Harding Street Station (EW Stout) | | 60 | D0099060 | 1.454 | 0.100 | 0.007 | 1.172 | 0.108 | 0.500 | 0.120 | 0.012 | 1.454 | 0.133 | 0.613 | 0.099 | 0.005 | 1.130 | 0.105 | 0.484 |
| 66 | MI | J C Weadock | | 7, 8 | D01720C09 | 1.432 | 0.111 | 0.022 | 1.432 | 0.135 | 0.620 | 0.068 | 0.015 | 0.889 | 0.084 | 0.389 | 0.056 | 0.025 | 0.888 | 0.082 | 0.383 |
| 67 | NJ | B L England | 2378 | 2,3 | x12 | 1.396 | 0.023 | 0.033 | 0.608 | 0.058 | 0.270 | 0.043 | 0.088 | 1.396 | 0.134 | 0.617 | 0.048 | 0.035 | 0.909 | 0.084 | 0.391 |
| 68 | MI | Monroe | 1733 | 1,2 | D01733C12 | 1.348 | 0.012 | 0.021 | 0.518 | 0.033 | 0.156 | 0.026 | 0.078 | 1.348 | 0.107 | 0.493 | 0.013 | 0.054 | 0.735 | 0.068 | 0.317 |
| 69 | IN | Clifty Creek | 983 | 4,5,6 | D00983C02 | 1.328 | 0.029 | 0.048 | 1.158 | 0.079 | 0.367 | 0.032 | 0.062 | 1.328 | 0.096 | 0.447 | 0.025 | 0.077 | 1.129 | 0.104 | 0.484 |
| 70 | IN | IPL - Petersburg Generating Station | | 4 | D009944 | 1.269 | 0.047 | 0.033 | 0.843 | 0.081 | 0.377 | 0.078 | 0.030 | 1.269 | 0.110 | 0.510 | 0.058 | 0.033 | 1.000 | 0.093 | 0.430 |
| 71 | NY | Somerset Operating Company (Kintigh) | | 1 | D060821 | 1.222 | 0.067 | 0.015 | 0.806 | 0.083 | 0.385 | 0.096 | 0.022 | 1.180 | 0.120 | 0.554 | 0.078 | 0.033 | 1.222 | 0.113 | 0.523 |
| 72 | IA | Ottumwa | | 1 | D062541 | 1.197 | 0.027 | 0.020 | 0.479 | 0.047 | 0.220 | 0.069 | 0.042 | 1.197 | 0.113 | 0.524 | 0.031 | 0.016 | 0.516 | 0.048 | 0.224 |
| 73 | TX | Big Brown | 3497 | 1 | | 1.173 | 0.086 | 0.005 | 0.985 | 0.091 | 0.425 | 0.044 | 0.005 | 0.530 | 0.050 | 0.233 | 0.104 | 0.004 | 1.173 | 0.108 | 0.502 |
| 74 | TX | Big Brown | 3497 | 2 | | 1.128 | 0.082 | 0.005 | 0.947 | 0.088 | 0.409 | 0.042 | 0.006 | 0.508 | 0.048 | 0.225 | 0.099 | 0.004 | 1.128 | 0.104 | 0.483 |
| 75 | KY | Mill Creek | 1364 | 4 | D013644 | 1.112 | 0.009 | 0.028 | 0.569 | 0.037 | 0.175 | 0.018 | 0.032 | 1.112 | 0.051 | 0.240 | 0.008 | 0.047 | 0.620 | 0.057 | 0.269 |
| 76 | IN | Clifty Creek | 983 | 1,2,3 | D00983C01 | 1.090 | 0.032 | 0.034 | 0.952 | 0.067 | 0.311 | 0.036 | 0.044 | 1.090 | 0.082 | 0.380 | 0.028 | 0.054 | 0.907 | 0.084 | 0.391 |
| 77 | KY | Paradise | 1378 | 2 | D013782 | 1.088 | 0.030 | 0.016 | 0.475 | 0.046 | 0.216 | 0.079 | 0.017 | 1.088 | 0.097 | 0.451 | 0.051 | 0.017 | 0.748 | 0.069 | 0.323 |
| 78 | MI | Trenton Channel | 1745 | 16,17,18,19 | x10 | 1.083 | 0.043 | 0.017 | 0.640 | 0.060 | 0.280 | 0.077 | 0.024 | 1.083 | 0.103 | 0.478 | 0.056 | 0.025 | 0.884 | 0.082 | 0.381 |
| 79 | IA | George Neal South | | 4 | D073434 | 1.068 | 0.037 | 0.024 | 0.662 | 0.062 | 0.288 | 0.062 | 0.034 | 1.068 | 0.097 | 0.451 | 0.025 | 0.016 | 0.447 | 0.042 | 0.195 |
| 80 | OH | Cardinal | 2828 | 3 | D028283 | 1.007 | 0.035 | 0.039 | 0.913 | 0.076 | 0.354 | 0.035 | 0.043 | 0.909 | 0.079 | 0.369 | 0.038 | 0.053 | 1.007 | 0.093 | 0.433 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | OK | Northeastern | | 3313, 3314 | D02963C10 | 0.995 | 0.041 | 0.010 | 0.539 | 0.051 | 0.240 | 0.064 | 0.022 | 0.995 | 0.088 | 0.407 | 0.048 | 0.013 | 0.669 | 0.062 | 0.289 |
| 82 | KY | Paradise | 1378 | 3 | D013783 | 0.931 | 0.019 | 0.026 | 0.525 | 0.046 | 0.217 | 0.050 | 0.033 | 0.852 | 0.085 | 0.394 | 0.042 | 0.042 | 0.931 | 0.086 | 0.401 |
| 83 | MO | Sibley | | 1, 2, 3 | D02094C01 | 0.908 | 0.052 | 0.036 | 0.897 | 0.090 | 0.417 | 0.055 | 0.029 | 0.908 | 0.086 | 0.400 | 0.031 | 0.014 | 0.493 | 0.046 | 0.214 |
| 84 | ME | William F Wyman | 1507 | 4 | D015074 | 0.884 | 0.019 | 0.004 | 0.256 | 0.023 | 0.109 | 0.065 | 0.005 | 0.807 | 0.071 | 0.330 | 0.060 | 0.020 | 0.884 | 0.082 | 0.381 |
| 85 | MA | Brayton Point | 1619 | 4 | x07 | 0.881 | 0.046 | 0.009 | 0.608 | 0.056 | 0.263 | 0.067 | 0.012 | 0.867 | 0.080 | 0.372 | 0.063 | 0.018 | 0.881 | 0.082 | 0.379 |
| 86 | KY | Paradise | 1378 | 1 | D01720C09 | 0.870 | 0.024 | 0.013 | 0.385 | 0.037 | 0.175 | 0.063 | 0.014 | 0.870 | 0.078 | 0.363 | 0.041 | 0.014 | 0.601 | 0.056 | 0.261 |
| 87 | NY | Oswego Harbor Power | 2594 | 6 | x15 | 0.869 | 0.032 | 0.016 | 0.538 | 0.049 | 0.229 | 0.050 | 0.028 | 0.869 | 0.080 | 0.371 | 0.041 | 0.027 | 0.744 | 0.069 | 0.322 |
| 88 | KY | John S. Cooper | 1384 | 1,2 | D01384CS1 | 0.865 | 0.067 | 0.008 | 0.865 | 0.076 | 0.353 | 0.046 | 0.011 | 0.643 | 0.058 | 0.270 | 0.043 | 0.019 | 0.676 | 0.063 | 0.292 |
| 89 | VA | Bremo Power Station | | 4 | D037964 | 0.851 | 0.000 | 0.049 | 0.652 | 0.051 | 0.238 | 0.000 | 0.041 | 0.665 | 0.042 | 0.197 | 0.000 | 0.076 | 0.851 | 0.079 | 0.367 |
| 90 | PA | Martins Creek | 3148 | 3,4 | x21 | 0.809 | 0.002 | 0.056 | 0.806 | 0.060 | 0.280 | 0.002 | 0.031 | 0.534 | 0.034 | 0.158 | 0.001 | 0.071 | 0.809 | 0.075 | 0.349 |
| 91 | TX | Martin Lake | 6146 | 1 | | 0.799 | 0.056 | 0.008 | 0.687 | 0.064 | 0.299 | 0.028 | 0.008 | 0.395 | 0.037 | 0.176 | 0.067 | 0.006 | 0.799 | 0.074 | 0.345 |
| 92 | NY | Cayuga Operating Company, LLC | | 1 (33%), 2 (33% | D02535C01 | 0.791 | 0.030 | 0.004 | 0.387 | 0.034 | 0.160 | 0.054 | 0.019 | 0.791 | 0.074 | 0.346 | 0.038 | 0.011 | 0.535 | 0.050 | 0.232 |
| 93 | TX | Monticello | 6147 | 1 | | 0.782 | 0.057 | 0.004 | 0.665 | 0.061 | 0.287 | 0.029 | 0.004 | 0.369 | 0.034 | 0.159 | 0.069 | 0.003 | 0.782 | 0.072 | 0.338 |
| 94 | TX | Martin Lake | 6146 | 3 | | 0.758 | 0.053 | 0.007 | 0.651 | 0.061 | 0.284 | 0.027 | 0.008 | 0.374 | 0.036 | 0.167 | 0.064 | 0.006 | 0.758 | 0.070 | 0.327 |
| 95 | VA | Chesterfield Power Station | 3797 | 5 | D037975 | 0.650 | 0.028 | 0.025 | 0.543 | 0.054 | 0.252 | 0.037 | 0.020 | 0.650 | 0.057 | 0.268 | 0.030 | 0.020 | 0.555 | 0.051 | 0.241 |
| 96 | MO | Labadie | | 4 | D021034 | 0.621 | 0.022 | 0.006 | 0.302 | 0.028 | 0.133 | 0.049 | 0.008 | 0.621 | 0.058 | 0.269 | 0.045 | 0.008 | 0.576 | 0.053 | 0.250 |
| 97 | TX | Martin Lake | 6146 | 2 | | 0.621 | 0.043 | 0.007 | 0.532 | 0.050 | 0.235 | 0.022 | 0.008 | 0.302 | 0.030 | 0.141 | 0.051 | 0.006 | 0.621 | 0.058 | 0.269 |
| 98 | DE | Indian River | 594 | 4 | D005944 | 0.576 | 0.020 | 0.004 | 0.260 | 0.023 | 0.110 | 0.047 | 0.005 | 0.576 | 0.053 | 0.247 | 0.025 | 0.001 | 0.290 | 0.027 | 0.127 |
| 99 | IL | Baldwin Energy Complex | | 1,2 | D008892 | 0.551 | 0.013 | 0.011 | 0.224 | 0.024 | 0.114 | 0.033 | 0.014 | 0.551 | 0.048 | 0.222 | 0.026 | 0.014 | 0.435 | 0.040 | 0.189 |
| 100 | IL | Kincaid Generating Station | | 1, 2 | D00876C02 | 0.551 | 0.012 | 0.009 | 0.263 | 0.022 | 0.103 | 0.032 | 0.017 | 0.551 | 0.049 | 0.232 | 0.023 | 0.011 | 0.378 | 0.035 | 0.165 |
| 101 | GA | Scherer | | 4 | D062574 | 0.547 | 0.004 | 0.019 | 0.547 | 0.024 | 0.112 | 0.002 | 0.024 | 0.357 | 0.028 | 0.129 | 0.002 | 0.031 | 0.373 | 0.035 | 0.162 |
| 102 | GA | Scherer | | 1 | D062571 | 0.546 | 0.003 | 0.020 | 0.546 | 0.024 | 0.111 | 0.002 | 0.025 | 0.363 | 0.028 | 0.130 | 0.002 | 0.032 | 0.379 | 0.035 | 0.165 |
| 103 | MI | Dan E Karn | 1702 | 3,4 (1,2) | D01702C09 | 0.469 | 0.037 | 0.008 | 0.469 | 0.045 | 0.213 | 0.023 | 0.005 | 0.287 | 0.028 | 0.131 | 0.018 | 0.009 | 0.293 | 0.027 | 0.128 |
| 104 | NH | Newington | 8002 | 1 | D080021 | 0.468 | 0.012 | 0.006 | 0.212 | 0.018 | 0.085 | 0.029 | 0.004 | 0.468 | 0.033 | 0.155 | 0.025 | 0.017 | 0.468 | 0.043 | 0.203 |
| 105 | OK | Grand River Dam Authority | | 1 | D001651 | 0.459 | 0.021 | 0.000 | 0.187 | 0.021 | 0.098 | 0.050 | 0.000 | 0.459 | 0.051 | 0.239 | 0.026 | 0.000 | 0.283 | 0.026 | 0.124 |
| 106 | VA | Chesterfield Power Station | 3797 | 4 | D037974 | 0.432 | 0.020 | 0.016 | 0.387 | 0.037 | 0.172 | 0.027 | 0.012 | 0.432 | 0.039 | 0.185 | 0.022 | 0.012 | 0.381 | 0.035 | 0.166 |
| 107 | TN | Kingston | 3407 | 1,2,3,4,5 | D03407C15 | 0.422 | 0.023 | 0.005 | 0.422 | 0.029 | 0.135 | 0.017 | 0.009 | 0.325 | 0.027 | 0.127 | 0.013 | 0.010 | 0.254 | 0.024 | 0.111 |
| 108 | GA | Scherer | | 2 | D062572 | 0.421 | 0.002 | 0.015 | 0.421 | 0.018 | 0.083 | 0.001 | 0.019 | 0.279 | 0.021 | 0.100 | 0.001 | 0.025 | 0.289 | 0.027 | 0.126 |
| 109 | TN | Kingston | 3407 | 6,7,8,9 | D03407C69 | 0.419 | 0.024 | 0.005 | 0.419 | 0.029 | 0.136 | 0.018 | 0.008 | 0.321 | 0.027 | 0.126 | 0.014 | 0.009 | 0.250 | 0.023 | 0.109 |
| 110 | CT | Bridgeport Harbor Station | 568 | BHB3 | | 0.416 | 0.024 | 0.009 | 0.355 | 0.034 | 0.158 | 0.025 | 0.012 | 0.402 | 0.037 | 0.176 | 0.026 | 0.012 | 0.416 | 0.039 | 0.181 |
| 111 | MN | Sherburne County | | 1, 2 | D06090CS1 | 0.391 | 0.005 | 0.025 | 0.317 | 0.031 | 0.144 | 0.006 | 0.031 | 0.391 | 0.039 | 0.182 | 0.003 | 0.012 | 0.158 | 0.015 | 0.069 |
| 112 | MA | Canal Station | 1599 | 1 | D015991 | 0.389 | 0.025 | 0.004 | 0.329 | 0.030 | 0.141 | 0.030 | 0.005 | 0.389 | 0.035 | 0.166 | 0.027 | 0.007 | 0.373 | 0.035 | 0.163 |
| 113 | MA | Canal Station | 1599 | 2 | D015992 | 0.376 | 0.024 | 0.008 | 0.357 | 0.032 | 0.152 | 0.022 | 0.008 | 0.333 | 0.030 | 0.142 | 0.022 | 0.012 | 0.376 | 0.035 | 0.164 |
| 114 | IN | R M Schahfer Generating Station | | 14 | D0608514 | 0.320 | 0.003 | 0.017 | 0.294 | 0.021 | 0.100 | 0.003 | 0.024 | 0.320 | 0.028 | 0.133 | 0.003 | 0.025 | 0.314 | 0.029 | 0.137 |
| 115 | NH | Merrimack | 2364 | 2 | D023642 | 0.304 | 0.005 | 0.005 | 0.119 | 0.010 | 0.048 | 0.012 | 0.005 | 0.304 | 0.017 | 0.081 | 0.011 | 0.016 | 0.304 | 0.028 | 0.133 |
| 116 | IN | R M Schahfer Generating Station | | 15 | D0608515 | 0.283 | 0.002 | 0.020 | 0.263 | 0.023 | 0.106 | 0.002 | 0.023 | 0.283 | 0.026 | 0.123 | 0.002 | 0.023 | 0.278 | 0.026 | 0.121 |
| 117 | WI | Columbia | | 1 | D080231 | 0.255 | 0.005 | 0.013 | 0.178 | 0.019 | 0.088 | 0.007 | 0.018 | 0.255 | 0.026 | 0.122 | 0.004 | 0.009 | 0.143 | 0.013 | 0.063 |
| 118 | GA | Yates | | Y7BR | D00728Y7R | 0.243 | 0.000 | 0.011 | 0.243 | 0.012 | 0.055 | 0.000 | 0.018 | 0.166 | 0.019 | 0.090 | 0.000 | 0.018 | 0.200 | 0.019 | 0.087 |
| 119 | SC | Wateree | 3297 | WAT1 | D03297WT1 | 0.236 | 0.003 | 0.003 | 0.182 | 0.007 | 0.032 | 0.004 | 0.011 | 0.236 | 0.015 | 0.069 | 0.002 | 0.012 | 0.158 | 0.015 | 0.069 |
| 120 | WI | Columbia | | 2 | D080232 | 0.231 | 0.005 | 0.012 | 0.157 | 0.017 | 0.080 | 0.007 | 0.016 | 0.231 | 0.024 | 0.111 | 0.004 | 0.007 | 0.129 | 0.012 | 0.057 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Stack CEMS Unit | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | NJ | Hudson Generating Station | 2403 | 2 | D024032 | 0.228 | 0.012 | 0.006 | 0.193 | 0.018 | 0.084 | 0.015 | 0.006 | 0.228 | 0.021 | 0.099 | 0.012 | 0.007 | 0.214 | 0.020 | 0.094 |
| 122 | SC | Wateree | 3297 | WAT2 | D03297WT2 | 0.198 | 0.003 | 0.002 | 0.153 | 0.006 | 0.026 | 0.004 | 0.009 | 0.198 | 0.013 | 0.063 | 0.002 | 0.010 | 0.132 | 0.012 | 0.058 |
| 123 | MA | Brayton Point | 1619 | 2 | D016192 | 0.191 | 0.004 | 0.006 | 0.098 | 0.010 | 0.048 | 0.008 | 0.007 | 0.191 | 0.015 | 0.071 | 0.007 | 0.009 | 0.170 | 0.016 | 0.074 |
| 124 | MA | Brayton Point | 1619 | 3 | D016193 | 0.151 | 0.004 | 0.002 | 0.083 | 0.007 | 0.034 | 0.008 | 0.003 | 0.151 | 0.012 | 0.056 | 0.007 | 0.005 | 0.132 | 0.012 | 0.058 |
| 125 | NH | Schiller | 2367 | 4 | | 0.117 | 0.004 | 0.001 | 0.048 | 0.004 | 0.021 | 0.010 | 0.001 | 0.117 | 0.011 | 0.050 | 0.007 | 0.002 | 0.104 | 0.010 | 0.045 |
| 126 | NH | Merrimack | 2364 | 1 | D023641 | 0.116 | 0.002 | 0.002 | 0.045 | 0.004 | 0.018 | 0.004 | 0.002 | 0.116 | 0.006 | 0.029 | 0.004 | 0.007 | 0.115 | 0.011 | 0.050 |
| 127 | MA | Brayton Point | 1619 | 1 | D016191 | 0.113 | 0.004 | 0.002 | 0.058 | 0.006 | 0.026 | 0.008 | 0.002 | 0.113 | 0.010 | 0.047 | 0.007 | 0.002 | 0.099 | 0.009 | 0.043 |
| 128 | NH | Schiller | 2367 | 6 | | 0.113 | 0.004 | 0.001 | 0.047 | 0.004 | 0.021 | 0.010 | 0.001 | 0.113 | 0.011 | 0.050 | 0.007 | 0.002 | 0.101 | 0.009 | 0.044 |
| 129 | KS | La Cygne | 1241 | 1 | | 0.056 | 0.004 | 0.000 | 0.056 | 0.005 | 0.021 | 0.004 | 0.000 | 0.051 | 0.005 | 0.021 | 0.003 | 0.000 | 0.035 | 0.003 | 0.015 |
| 130 | KS | La Cygne | | 2 | D012412 | 0.015 | 0.001 | 0.000 | 0.013 | 0.001 | 0.005 | 0.001 | 0.000 | 0.015 | 0.001 | 0.006 | 0.001 | 0.000 | 0.012 | 0.001 | 0.005 |

## F.23 2011 ICI Ranking Visibility Impairing Sources to Acadia

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | ME | THE JACKSON LABORATORY | 7945211 | | S | 9.00 | 0.027 | 0.643 | **9.002** | **1.24** | **3.54** | 0.02 | 0.41 | **5.70** | 0.80 | **2.38** | 0.02 | 0.42 | **5.83** | 0.82 | **2.43** |
| 2 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 2.90 | 0.040 | 0.086 | **1.658** | 0.24 | 0.75 | 0.03 | 0.13 | **2.09** | 0.30 | 0.94 | 0.03 | 0.18 | **2.90** | 0.42 | **1.28** |
| 3 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 2.54 | 0.180 | 0.013 | **2.505** | 0.36 | **1.12** | 0.13 | 0.03 | **2.14** | 0.31 | 0.96 | 0.17 | 0.02 | **2.54** | 0.37 | **1.13** |
| 4 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 2.50 | 0.177 | 0.012 | **2.466** | 0.36 | **1.10** | 0.13 | 0.03 | **2.09** | 0.30 | 0.94 | 0.17 | 0.02 | **2.50** | 0.36 | **1.11** |
| 5 | ME | WOODLAND PULP LLC | 5974211 | | S | 2.41 | 0.015 | 0.065 | **1.059** | 0.15 | 0.49 | 0.02 | 0.16 | **2.41** | 0.35 | **1.08** | 0.01 | 0.15 | **2.14** | 0.31 | 0.96 |
| 6 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 1.70 | 0.067 | 0.062 | **1.697** | 0.25 | 0.77 | 0.06 | 0.05 | **1.36** | 0.20 | 0.62 | 0.04 | 0.03 | 0.95 | 0.14 | 0.44 |
| 7 | ME | FMC BIOPOLYMER | 5692011 | | S | 1.68 | 0.076 | 0.052 | **1.682** | 0.24 | 0.76 | 0.07 | 0.05 | **1.56** | 0.23 | 0.71 | 0.06 | 0.05 | **1.41** | 0.20 | 0.64 |
| 8 | OH | P. H. Glatfelter Company - Chillicothe Facility | 8131111 | 147671 | L | 1.19 | 0.089 | 0.002 | **1.188** | 0.17 | 0.55 | 0.05 | 0.00 | 0.71 | 0.10 | 0.33 | 0.04 | 0.00 | 0.61 | 0.09 | 0.28 |
| 9 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.91 | 0.001 | 0.049 | 0.675 | 0.10 | 0.31 | 0.00 | 0.07 | 0.91 | 0.13 | 0.42 | 0.00 | 0.05 | 0.71 | 0.10 | 0.33 |
| 10 | NY | ALCOA MASSENA OPERATIONS (WEST PLANT) | 7968211 | SA398 | L | 0.64 | 0.025 | 0.000 | 0.330 | 0.05 | 0.15 | 0.03 | 0.00 | 0.42 | 0.06 | 0.20 | 0.05 | 0.00 | 0.64 | 0.09 | 0.30 |
| 11 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 0.62 | 0.040 | 0.007 | 0.616 | 0.09 | 0.29 | 0.02 | 0.01 | 0.44 | 0.06 | 0.20 | 0.03 | 0.01 | 0.48 | 0.07 | 0.22 |
| 12 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 0.59 | 0.012 | 0.031 | 0.564 | 0.08 | 0.26 | 0.00 | 0.04 | 0.55 | 0.08 | 0.26 | 0.01 | 0.04 | 0.59 | 0.09 | 0.27 |
| 13 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 0.57 | 0.016 | 0.009 | 0.325 | 0.05 | 0.15 | 0.02 | 0.01 | 0.44 | 0.06 | 0.20 | 0.03 | 0.02 | 0.57 | 0.08 | 0.27 |
| 14 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.55 | 0.019 | 0.012 | 0.404 | 0.06 | 0.19 | 0.02 | 0.02 | 0.55 | 0.08 | 0.25 | 0.02 | 0.02 | 0.49 | 0.07 | 0.23 |
| 15 | MD | Sparrows Point, LLC | 8239711 | | S | 0.50 | 0.008 | 0.009 | 0.230 | 0.03 | 0.11 | 0.01 | 0.01 | 0.30 | 0.04 | 0.14 | 0.01 | 0.03 | 0.50 | 0.07 | 0.23 |
| 16 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 0.43 | 0.003 | 0.023 | 0.345 | 0.05 | 0.16 | 0.00 | 0.02 | 0.29 | 0.04 | 0.14 | 0.00 | 0.03 | 0.43 | 0.06 | 0.20 |
| 17 | ME | Madison Paper | 5253911 | | S | 0.39 | 0.021 | 0.009 | 0.391 | 0.06 | 0.18 | 0.02 | 0.01 | 0.39 | 0.06 | 0.18 | 0.02 | 0.01 | 0.36 | 0.05 | 0.17 |
| 18 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 0.38 | 0.015 | 0.003 | 0.233 | 0.03 | 0.11 | 0.03 | 0.00 | 0.38 | 0.06 | 0.18 | 0.02 | 0.00 | 0.31 | 0.05 | 0.15 |
| 19 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.34 | 0.012 | 0.014 | 0.342 | 0.05 | 0.16 | 0.01 | 0.01 | 0.32 | 0.05 | 0.15 | 0.01 | 0.01 | 0.22 | 0.03 | 0.11 |
| 20 | NY | INTERNATIONAL PAPER TICONDEROGA MILL | 7991711 | 44 | L | 0.33 | 0.013 | 0.005 | 0.238 | 0.03 | 0.11 | 0.01 | 0.01 | 0.28 | 0.04 | 0.13 | 0.01 | 0.01 | 0.33 | 0.05 | 0.16 |
| 21 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 0.33 | 0.003 | 0.013 | 0.205 | 0.03 | 0.10 | 0.00 | 0.01 | 0.20 | 0.03 | 0.10 | 0.00 | 0.02 | 0.33 | 0.05 | 0.15 |
| 22 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.33 | 0.007 | 0.003 | 0.130 | 0.02 | 0.06 | 0.02 | 0.00 | 0.33 | 0.05 | 0.15 | 0.01 | 0.00 | 0.22 | 0.03 | 0.11 |
| 23 | IN | Indiana Harbor East | 3986511 | | S | 0.32 | 0.005 | 0.011 | 0.204 | 0.03 | 0.10 | 0.01 | 0.01 | 0.19 | 0.03 | 0.09 | 0.01 | 0.02 | 0.32 | 0.05 | 0.15 |
| 24 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLEN | 6582211 | S73 | L | 0.31 | 0.011 | 0.006 | 0.229 | 0.03 | 0.11 | 0.01 | 0.01 | 0.30 | 0.04 | 0.14 | 0.01 | 0.01 | 0.31 | 0.05 | 0.15 |
| 25 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.30 | 0.011 | 0.005 | 0.205 | 0.03 | 0.10 | 0.01 | 0.01 | 0.30 | 0.04 | 0.14 | 0.01 | 0.01 | 0.28 | 0.04 | 0.13 |
| 26 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFINER | 7873611 | S60 | L | 0.30 | 0.010 | 0.004 | 0.180 | 0.03 | 0.08 | 0.01 | 0.01 | 0.22 | 0.03 | 0.11 | 0.02 | 0.01 | 0.30 | 0.04 | 0.14 |
| 27 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 0.29 | 0.010 | 0.007 | 0.216 | 0.03 | 0.10 | 0.01 | 0.01 | 0.29 | 0.04 | 0.14 | 0.01 | 0.01 | 0.21 | 0.03 | 0.10 |
| 28 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.29 | 0.009 | 0.002 | 0.143 | 0.02 | 0.07 | 0.02 | 0.00 | 0.26 | 0.04 | 0.12 | 0.02 | 0.00 | 0.29 | 0.04 | 0.13 |
| 29 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.27 | 0.008 | 0.007 | 0.197 | 0.03 | 0.09 | 0.01 | 0.01 | 0.27 | 0.04 | 0.13 | 0.01 | 0.00 | 0.14 | 0.02 | 0.06 |
| 30 | PA | Penn State Univ | 3186811 | S01 | L | 0.26 | 0.018 | 0.002 | 0.265 | 0.04 | 0.12 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.01 | 0.00 | 0.14 | 0.02 | 0.06 |
| 31 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.26 | 0.017 | 0.002 | 0.252 | 0.04 | 0.12 | 0.01 | 0.00 | 0.16 | 0.02 | 0.07 | 0.02 | 0.00 | 0.26 | 0.04 | 0.12 |
| 32 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.25 | 0.006 | 0.005 | 0.137 | 0.02 | 0.06 | 0.01 | 0.01 | 0.25 | 0.04 | 0.12 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 33 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.25 | 0.002 | 0.008 | 0.129 | 0.02 | 0.06 | 0.00 | 0.02 | 0.25 | 0.04 | 0.12 | 0.00 | 0.01 | 0.14 | 0.02 | 0.06 |
| 34 | NY | FINCH PAPER LLC | 8325211 | | S | 0.25 | 0.001 | 0.013 | 0.185 | 0.03 | 0.09 | 0.00 | 0.01 | 0.16 | 0.02 | 0.08 | 0.00 | 0.02 | 0.25 | 0.04 | 0.12 |
| 35 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.24 | 0.003 | 0.005 | 0.115 | 0.02 | 0.05 | 0.01 | 0.00 | 0.14 | 0.02 | 0.06 | 0.00 | 0.02 | 0.24 | 0.04 | 0.11 |
| 36 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.24 | 0.002 | 0.008 | 0.125 | 0.02 | 0.06 | 0.00 | 0.02 | 0.24 | 0.04 | 0.11 | 0.00 | 0.01 | 0.13 | 0.02 | 0.06 |
| 37 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.24 | 0.016 | 0.002 | 0.238 | 0.03 | 0.11 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.01 | 0.00 | 0.19 | 0.03 | 0.09 |
| 38 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.23 | 0.016 | 0.002 | 0.235 | 0.03 | 0.11 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 39 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.23 | 0.016 | 0.002 | 0.231 | 0.03 | 0.11 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 | 0.02 | 0.00 | 0.23 | 0.03 | 0.11 |
| 40 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.23 | 0.003 | 0.009 | 0.163 | 0.02 | 0.08 | 0.01 | 0.01 | 0.23 | 0.03 | 0.11 | 0.01 | 0.01 | 0.22 | 0.03 | 0.10 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | OH | The Medical Center Company (1318003059) | 8252111 | 184509 | L | 0.22 | 0.014 | 0.001 | 0.196 | 0.03 | 0.09 | 0.01 | 0.00 | 0.17 | 0.02 | 0.08 | 0.02 | 0.00 | 0.22 | 0.03 | 0.10 |
| 42 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.21 | 0.011 | 0.005 | 0.210 | 0.03 | 0.10 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 | 0.01 | 0.00 | 0.21 | 0.03 | 0.10 |
| 43 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.19 | 0.006 | 0.003 | 0.119 | 0.02 | 0.06 | 0.01 | 0.00 | 0.14 | 0.02 | 0.06 | 0.01 | 0.01 | 0.19 | 0.03 | 0.09 |
| 44 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.19 | 0.008 | 0.003 | 0.140 | 0.02 | 0.07 | 0.01 | 0.01 | 0.19 | 0.03 | 0.09 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 45 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.18 | 0.007 | 0.002 | 0.113 | 0.02 | 0.05 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.18 | 0.03 | 0.08 |
| 46 | VA | Smurfit Stone Container Corporation - West F | 4182011 | 7 | L | 0.17 | 0.008 | 0.000 | 0.108 | 0.02 | 0.05 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 | 0.01 | 0.00 | 0.17 | 0.03 | 0.08 |
| 47 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 0.17 | 0.010 | 0.003 | 0.171 | 0.03 | 0.08 | 0.01 | 0.01 | 0.16 | 0.02 | 0.08 | 0.01 | 0.00 | 0.17 | 0.03 | 0.08 |
| 48 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.17 | 0.013 | 0.000 | 0.172 | 0.03 | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 |
| 49 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.17 | 0.013 | 0.000 | 0.170 | 0.02 | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 |
| 50 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.17 | 0.004 | 0.004 | 0.098 | 0.01 | 0.05 | 0.01 | 0.01 | 0.17 | 0.02 | 0.08 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 51 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.17 | 0.012 | 0.001 | 0.168 | 0.02 | 0.08 | 0.01 | 0.00 | 0.10 | 0.01 | 0.05 | 0.01 | 0.00 | 0.10 | 0.01 | 0.05 |
| 52 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 0.17 | 0.009 | 0.002 | 0.151 | 0.02 | 0.07 | 0.01 | 0.01 | 0.17 | 0.02 | 0.08 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 |
| 53 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 0.17 | 0.006 | 0.005 | 0.152 | 0.02 | 0.07 | 0.00 | 0.01 | 0.17 | 0.02 | 0.08 | 0.00 | 0.01 | 0.13 | 0.02 | 0.06 |
| 54 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.16 | 0.003 | 0.004 | 0.096 | 0.01 | 0.05 | 0.01 | 0.01 | 0.16 | 0.02 | 0.08 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 55 | VA | GP Big Island LLC | 4183311 | 1 | L | 0.16 | 0.007 | 0.002 | 0.122 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.16 | 0.02 | 0.08 |
| 56 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.16 | 0.009 | 0.004 | 0.160 | 0.02 | 0.08 | 0.01 | 0.00 | 0.15 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 |
| 57 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.16 | 0.010 | 0.000 | 0.135 | 0.02 | 0.06 | 0.01 | 0.00 | 0.16 | 0.02 | 0.08 | 0.01 | 0.00 | 0.10 | 0.01 | 0.05 |
| 58 | VA | Roanoke Cement Company | 5039811 | 4 | L | 0.15 | 0.005 | 0.003 | 0.115 | 0.02 | 0.05 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.15 | 0.02 | 0.07 |
| 59 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.15 | 0.010 | 0.002 | 0.149 | 0.02 | 0.07 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 60 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.15 | 0.004 | 0.000 | 0.062 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.15 | 0.02 | 0.07 |
| 61 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.15 | 0.007 | 0.000 | 0.094 | 0.01 | 0.04 | 0.01 | 0.00 | 0.15 | 0.02 | 0.07 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 |
| 62 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.15 | 0.007 | 0.000 | 0.094 | 0.01 | 0.04 | 0.01 | 0.00 | 0.15 | 0.02 | 0.07 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 |
| 63 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 0.14 | 0.008 | 0.002 | 0.125 | 0.02 | 0.06 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 |
| 64 | OH | Cargill, Incorporated - Salt Division (Akron, OI | 7416411 | 250250 | L | 0.14 | 0.010 | 0.001 | 0.142 | 0.02 | 0.07 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 65 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.14 | 0.005 | 0.001 | 0.077 | 0.01 | 0.04 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 66 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.14 | 0.003 | 0.003 | 0.077 | 0.01 | 0.04 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 |
| 67 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.14 | 0.010 | 0.000 | 0.138 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 68 | IN | Citizens Thermal | 4885311 | 4 | L | 0.14 | 0.007 | 0.002 | 0.106 | 0.02 | 0.05 | 0.01 | 0.00 | 0.14 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.01 | 0.05 |
| 69 | IN | Citizens Thermal | 4885311 | 1 | L | 0.13 | 0.007 | 0.001 | 0.102 | 0.01 | 0.05 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.01 | 0.05 |
| 70 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.13 | 0.002 | 0.004 | 0.078 | 0.01 | 0.04 | 0.00 | 0.01 | 0.13 | 0.02 | 0.06 | 0.00 | 0.00 | 0.12 | 0.02 | 0.06 |
| 71 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.13 | 0.010 | 0.000 | 0.129 | 0.02 | 0.06 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 72 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.13 | 0.010 | 0.000 | 0.129 | 0.02 | 0.06 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 73 | OH | City of Akron Steam Generating (1677010757) | 8170411 | 253630 | L | 0.13 | 0.009 | 0.001 | 0.129 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 74 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.13 | 0.010 | 0.000 | 0.125 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 |
| 75 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.12 | 0.008 | 0.001 | 0.121 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 |
| 76 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.12 | 0.008 | 0.002 | 0.123 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 |
| 77 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.11 | 0.004 | 0.000 | 0.057 | 0.01 | 0.03 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 |
| 78 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.11 | 0.009 | 0.000 | 0.113 | 0.02 | 0.05 | 0.01 | 0.00 | 0.07 | 0.01 | 0.03 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 |
| 79 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.11 | 0.004 | 0.003 | 0.088 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.00 | 0.00 | 0.11 | 0.02 | 0.05 |
| 80 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.11 | 0.007 | 0.001 | 0.111 | 0.02 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.11 | 0.007 | 0.001 | 0.111 | 0.02 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 82 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.11 | 0.005 | 0.001 | 0.067 | 0.01 | 0.03 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.01 | 0.00 | 0.10 | 0.01 | 0.05 |
| 83 | OH | BDM Warren Steel Operations, LLC (02780004 | 8063611 | 59727 | L | 0.11 | 0.008 | 0.000 | 0.109 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 84 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.11 | 0.006 | 0.001 | 0.094 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 85 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON LL | 7364611 | 1 | L | 0.10 | 0.007 | 0.000 | 0.100 | 0.01 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 |
| 86 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.10 | 0.007 | 0.001 | 0.099 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 87 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.10 | 0.007 | 0.001 | 0.099 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 88 | VA | Smurfit Stone Container Corporation - West F | 4182011 | 2 | L | 0.10 | 0.000 | 0.004 | 0.059 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.10 | 0.01 | 0.05 |
| 89 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.10 | 0.006 | 0.001 | 0.089 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.01 | 0.05 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 90 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.10 | 0.007 | 0.001 | 0.095 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 |
| 91 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.09 | 0.004 | 0.002 | 0.077 | 0.01 | 0.04 | 0.00 | 0.00 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 92 | VA | Smurfit Stone Container Corporation - West F | 4182011 | 4 | L | 0.09 | 0.001 | 0.005 | 0.070 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.01 | 0.09 | 0.01 | 0.04 |
| 93 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.09 | 0.006 | 0.001 | 0.085 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 94 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.08 | 0.002 | 0.003 | 0.063 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 95 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.08 | 0.005 | 0.001 | 0.081 | 0.01 | 0.04 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 96 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.08 | 0.006 | 0.000 | 0.080 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 97 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.08 | 0.006 | 0.000 | 0.079 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 98 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.08 | 0.003 | 0.001 | 0.064 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 99 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.08 | 0.004 | 0.002 | 0.076 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 100 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 0.07 | 0.002 | 0.002 | 0.046 | 0.01 | 0.02 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 101 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.07 | 0.005 | 0.000 | 0.072 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 102 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.07 | 0.001 | 0.004 | 0.056 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 103 | VA | Smurfit Stone Container Corporation - West F | 4182011 | | S | 0.07 | 0.000 | 0.004 | 0.058 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.07 | 0.01 | 0.03 |
| 104 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.07 | 0.004 | 0.001 | 0.057 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 105 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.07 | 0.001 | 0.002 | 0.047 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 106 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.07 | 0.005 | 0.000 | 0.068 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 107 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.07 | 0.005 | 0.000 | 0.067 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 108 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.07 | 0.005 | 0.000 | 0.067 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 109 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.07 | 0.002 | 0.000 | 0.033 | 0.00 | 0.02 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 110 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.06 | 0.003 | 0.002 | 0.064 | 0.01 | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 111 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.06 | 0.001 | 0.002 | 0.047 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 112 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.06 | 0.001 | 0.002 | 0.047 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 113 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.06 | 0.002 | 0.001 | 0.033 | 0.00 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 114 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.06 | 0.005 | 0.000 | 0.063 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 115 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.06 | 0.004 | 0.000 | 0.061 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 116 | VA | Huntington Ingalls Incorporated -NN Shipbldg | 4938811 | 1 | L | 0.06 | 0.005 | 0.000 | 0.061 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 117 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.06 | 0.002 | 0.000 | 0.029 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 118 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.06 | 0.003 | 0.000 | 0.046 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 119 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.06 | 0.002 | 0.000 | 0.028 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 120 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.05 | 0.004 | 0.000 | 0.053 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.05 | 0.003 | 0.001 | 0.046 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 122 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.05 | 0.003 | 0.001 | 0.047 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 123 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON LL( | 7364611 | 2 | L | 0.05 | 0.002 | 0.002 | 0.047 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 124 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.05 | 0.003 | 0.000 | 0.047 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 125 | NY | NORLITE CORP | 8090911 | | S | 0.04 | 0.001 | 0.001 | 0.035 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 126 | VA | Huntington Ingalls Incorporated -NN Shipbldg | 4938811 | | S | 0.04 | 0.001 | 0.002 | 0.042 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 127 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.04 | 0.001 | 0.001 | 0.023 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 128 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.03 | 0.002 | 0.000 | 0.032 | 0.00 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 129 | OH | BDM Warren Steel Operations, LLC (02780004 | 8063611 | | S | 0.03 | 0.001 | 0.001 | 0.031 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 130 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.03 | 0.002 | 0.000 | 0.029 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 131 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.02 | 0.001 | 0.001 | 0.022 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 132 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON LL( | 7364611 | | S | 0.02 | 0.001 | 0.000 | 0.022 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 133 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 0.02 | 0.001 | 0.000 | 0.012 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 134 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.02 | 0.000 | 0.001 | 0.011 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 135 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.00 | 0.000 | 0.000 | 0.001 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.00 | 0.000 | 0.000 | 0.001 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## F.24 2011 ICI Ranking Visibility Impairing Sources to Brigantine

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Large or Small? | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 6.04 | 0.28 | 0.02 | **3.40** | 0.56 | **1.71** | 0.40 | 0.14 | **6.04** | 0.98 | **2.86** | 0.28 | 0.06 | **3.82** | 0.63 | **1.90** |
| 2 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 5.92 | 0.28 | 0.02 | **3.34** | 0.55 | **1.68** | 0.39 | 0.13 | **5.92** | 0.96 | **2.81** | 0.28 | 0.05 | **3.75** | 0.62 | **1.87** |
| 3 | MD | Sparrows Point, LLC | 8239711 | | S | 1.96 | 0.01 | 0.03 | 0.48 | 0.08 | 0.26 | 0.03 | 0.14 | **1.96** | 0.33 | **1.02** | 0.02 | 0.07 | **1.05** | 0.18 | 0.56 |
| 4 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 1.67 | 0.01 | 0.07 | 0.88 | 0.15 | 0.47 | 0.02 | 0.13 | **1.67** | 0.28 | 0.88 | 0.01 | 0.05 | 0.59 | 0.10 | 0.32 |
| 5 | OH | P. H. Glatfelter Company - Chillicothe Facil | 8131111 | 147671 | L | 1.48 | 0.12 | 0.00 | **1.33** | 0.23 | 0.71 | 0.11 | 0.02 | **1.48** | 0.25 | 0.78 | 0.09 | 0.01 | **1.06** | 0.18 | 0.56 |
| 6 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 1.40 | 0.07 | 0.01 | 0.90 | 0.15 | 0.48 | 0.04 | 0.02 | 0.66 | 0.11 | 0.36 | 0.08 | 0.05 | **1.40** | 0.24 | 0.74 |
| 7 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 1.13 | 0.05 | 0.03 | 0.90 | 0.15 | 0.48 | 0.06 | 0.04 | **1.13** | 0.19 | 0.60 | 0.04 | 0.04 | 0.83 | 0.14 | 0.44 |
| 8 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLE | 6582211 | S73 | L | 1.07 | 0.02 | 0.03 | 0.62 | 0.10 | 0.33 | 0.03 | 0.05 | 0.94 | 0.16 | 0.50 | 0.04 | 0.06 | **1.07** | 0.18 | 0.57 |
| 9 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 1.05 | 0.01 | 0.07 | 0.89 | 0.15 | 0.48 | 0.01 | 0.08 | **1.05** | 0.18 | 0.56 | 0.01 | 0.07 | 0.89 | 0.15 | 0.48 |
| 10 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 1.00 | 0.01 | 0.03 | 0.49 | 0.08 | 0.27 | 0.01 | 0.07 | **1.00** | 0.17 | 0.53 | 0.01 | 0.07 | 0.96 | 0.16 | 0.51 |
| 11 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFIN | 7873611 | S60 | L | 1.00 | 0.02 | 0.02 | 0.53 | 0.09 | 0.29 | 0.05 | 0.04 | 1.00 | 0.17 | 0.53 | 0.05 | 0.04 | 0.96 | 0.16 | 0.52 |
| 12 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.96 | 0.02 | 0.02 | 0.47 | 0.08 | 0.26 | 0.02 | 0.04 | 0.77 | 0.13 | 0.41 | 0.04 | 0.05 | 0.96 | 0.16 | 0.51 |
| 13 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.84 | 0.03 | 0.02 | 0.59 | 0.10 | 0.32 | 0.04 | 0.03 | 0.82 | 0.14 | 0.44 | 0.03 | 0.04 | 0.84 | 0.14 | 0.45 |
| 14 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 0.72 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 | 0.02 | 0.05 | 0.72 | 0.12 | 0.39 | 0.01 | 0.02 | 0.36 | 0.06 | 0.20 |
| 15 | VA | Smurfit Stone Container Corporation - West | 4182011 | 2 | L | 0.69 | 0.00 | 0.03 | 0.34 | 0.06 | 0.19 | 0.00 | 0.06 | 0.69 | 0.12 | 0.37 | 0.00 | 0.05 | 0.53 | 0.09 | 0.29 |
| 16 | VA | Smurfit Stone Container Corporation - West | 4182011 | | S | 0.67 | 0.00 | 0.04 | 0.49 | 0.08 | 0.27 | 0.00 | 0.06 | 0.67 | 0.11 | 0.36 | 0.00 | 0.05 | 0.61 | 0.10 | 0.33 |
| 17 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.57 | 0.00 | 0.03 | 0.39 | 0.07 | 0.21 | 0.00 | 0.04 | 0.55 | 0.09 | 0.30 | 0.00 | 0.05 | 0.57 | 0.10 | 0.31 |
| 18 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 0.56 | 0.02 | 0.01 | 0.44 | 0.07 | 0.24 | 0.03 | 0.02 | 0.56 | 0.09 | 0.30 | 0.02 | 0.02 | 0.46 | 0.08 | 0.25 |
| 19 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.54 | 0.00 | 0.03 | 0.38 | 0.06 | 0.20 | 0.00 | 0.04 | 0.53 | 0.09 | 0.29 | 0.00 | 0.04 | 0.54 | 0.09 | 0.29 |
| 20 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.54 | 0.03 | 0.00 | 0.35 | 0.06 | 0.19 | 0.02 | 0.01 | 0.25 | 0.04 | 0.14 | 0.03 | 0.02 | 0.54 | 0.09 | 0.29 |
| 21 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 0.51 | 0.01 | 0.00 | 0.22 | 0.04 | 0.12 | 0.02 | 0.03 | 0.51 | 0.09 | 0.27 | 0.01 | 0.02 | 0.34 | 0.06 | 0.19 |
| 22 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.46 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.03 | 0.01 | 0.46 | 0.08 | 0.25 |
| 23 | PA | Penn State Univ | 3186811 | S01 | L | 0.45 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 | 0.03 | 0.01 | 0.45 | 0.08 | 0.25 | 0.03 | 0.01 | 0.44 | 0.07 | 0.24 |
| 24 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 0.44 | 0.00 | 0.01 | 0.08 | 0.01 | 0.05 | 0.00 | 0.02 | 0.25 | 0.04 | 0.13 | 0.00 | 0.04 | 0.44 | 0.08 | 0.24 |
| 25 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 0.44 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.01 | 0.03 | 0.44 | 0.07 | 0.24 | 0.01 | 0.02 | 0.36 | 0.06 | 0.19 |
| 26 | VA | Smurfit Stone Container Corporation - West | 4182011 | 4 | L | 0.43 | 0.00 | 0.01 | 0.18 | 0.03 | 0.10 | 0.00 | 0.04 | 0.43 | 0.07 | 0.23 | 0.00 | 0.03 | 0.32 | 0.05 | 0.17 |
| 27 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.41 | 0.02 | 0.00 | 0.25 | 0.04 | 0.14 | 0.03 | 0.01 | 0.41 | 0.07 | 0.22 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 28 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.41 | 0.02 | 0.00 | 0.25 | 0.04 | 0.14 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.02 | 0.01 | 0.41 | 0.07 | 0.22 |
| 29 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.38 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.02 | 0.01 | 0.36 | 0.06 | 0.20 | 0.03 | 0.01 | 0.38 | 0.06 | 0.20 |
| 30 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 0.37 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.02 | 0.01 | 0.33 | 0.06 | 0.18 | 0.03 | 0.00 | 0.37 | 0.06 | 0.20 |
| 31 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.37 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.02 | 0.01 | 0.37 | 0.06 | 0.20 | 0.02 | 0.01 | 0.26 | 0.04 | 0.14 |
| 32 | VA | GP Big Island LLC | 4183311 | 1 | L | 0.36 | 0.02 | 0.01 | 0.36 | 0.06 | 0.20 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.02 | 0.01 | 0.25 | 0.04 | 0.14 |
| 33 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.36 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 | 0.03 | 0.01 | 0.36 | 0.06 | 0.19 | 0.02 | 0.00 | 0.28 | 0.05 | 0.15 |
| 34 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 0.36 | 0.02 | 0.01 | 0.30 | 0.05 | 0.16 | 0.02 | 0.01 | 0.28 | 0.05 | 0.15 | 0.02 | 0.01 | 0.36 | 0.06 | 0.19 |
| 35 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.34 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.02 | 0.34 | 0.06 | 0.19 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 |
| 36 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.33 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.02 | 0.01 | 0.33 | 0.06 | 0.18 |
| 37 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 0.32 | 0.02 | 0.01 | 0.30 | 0.05 | 0.16 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 | 0.02 | 0.01 | 0.32 | 0.06 | 0.18 |
| 38 | VA | Roanoke Cement Company | 5039811 | 4 | L | 0.32 | 0.02 | 0.01 | 0.32 | 0.05 | 0.17 | 0.01 | 0.01 | 0.27 | 0.05 | 0.15 | 0.01 | 0.01 | 0.31 | 0.05 | 0.17 |
| 39 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | | S | 0.31 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 | 0.00 | 0.01 | 0.19 | 0.03 | 0.10 | 0.00 | 0.02 | 0.31 | 0.05 | 0.17 |
| 40 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.31 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 | 0.02 | 0.00 | 0.31 | 0.05 | 0.17 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | IN | Indiana Harbor East | 3986511 | | S | 0.31 | 0.01 | 0.01 | 0.21 | 0.04 | 0.11 | 0.01 | 0.02 | 0.31 | 0.05 | 0.17 | 0.01 | 0.01 | 0.21 | 0.04 | 0.11 |
| 42 | VA | Smurfit Stone Container Corporation - West | 4182011 | 7 | L | 0.29 | 0.02 | 0.00 | 0.27 | 0.05 | 0.15 | 0.02 | 0.00 | 0.29 | 0.05 | 0.16 | 0.02 | 0.00 | 0.21 | 0.04 | 0.11 |
| 43 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.28 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 | 0.01 | 0.02 | 0.28 | 0.05 | 0.15 |
| 44 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.28 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.01 | 0.28 | 0.05 | 0.15 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 |
| 45 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.28 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 | 0.01 | 0.02 | 0.28 | 0.05 | 0.15 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 |
| 46 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.28 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.02 | 0.01 | 0.28 | 0.05 | 0.15 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 47 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.28 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 | 0.01 | 0.02 | 0.28 | 0.05 | 0.15 |
| 48 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 0.27 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 | 0.01 | 0.01 | 0.27 | 0.05 | 0.15 |
| 49 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.27 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 | 0.02 | 0.01 | 0.27 | 0.05 | 0.14 |
| 50 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.26 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.02 | 0.01 | 0.26 | 0.05 | 0.14 | 0.02 | 0.00 | 0.23 | 0.04 | 0.12 |
| 51 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.26 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.01 | 0.26 | 0.04 | 0.14 |
| 52 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.25 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 |
| 53 | NY | ALCOA MASSENA OPERATIONS (WEST PLA | 7968211 | SA398 | L | 0.25 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 |
| 54 | NY | FINCH PAPER LLC | 8325211 | | S | 0.24 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.02 | 0.24 | 0.04 | 0.13 |
| 55 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.24 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.02 | 0.06 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 |
| 56 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.23 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 |
| 57 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.22 | 0.01 | 0.01 | 0.14 | 0.02 | 0.07 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 |
| 58 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.22 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 59 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.21 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 |
| 60 | OH | The Medical Center Company (1318003059 | 8252111 | 184509 | L | 0.21 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.02 | 0.00 | 0.21 | 0.04 | 0.11 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 |
| 61 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.20 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 |
| 62 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.20 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 |
| 63 | NY | INTERNATIONAL PAPER TICONDEROGA MI | 7991711 | 44 | L | 0.20 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 |
| 64 | IN | Citizens Thermal | 4885311 | 4 | L | 0.20 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 65 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.19 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.02 | 0.00 | 0.19 | 0.03 | 0.10 |
| 66 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.18 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 |
| 67 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.18 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.02 | 0.00 | 0.18 | 0.03 | 0.10 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 68 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.17 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 69 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.17 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 70 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.17 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 |
| 71 | IN | Citizens Thermal | 4885311 | 1 | L | 0.17 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 |
| 72 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.17 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 73 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.16 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 74 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.16 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 75 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.16 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 76 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.16 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 77 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.15 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 78 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.15 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 79 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.15 | 0.00 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.01 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 80 | ME | FMC BIOPOLYMER | 5692011 | | S | 0.15 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.15 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.01 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 82 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.14 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 83 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.14 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.01 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 84 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.14 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 85 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.14 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 86 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.14 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 87 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.14 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 88 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.13 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 | 0.01 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.09 | 0.02 | 0.05 |
| 89 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.13 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 90 | OH | Cargill, Incorporated - Salt Division (Akron, | 7416411 | 250250 | L | 0.13 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 91 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.13 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 92 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 1 | L | 0.13 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 93 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.12 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 94 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.12 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 95 | OH | City of Akron Steam Generating (16770107 | 8170411 | 253630 | L | 0.12 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 96 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | 1 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 97 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 98 | ME | WOODLAND PULP LLC | 5974211 | | S | 0.11 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 99 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.11 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 100 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.11 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 101 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 102 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.10 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 |
| 103 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.10 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 104 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | 59727 | L | 0.10 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 105 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 0.09 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.09 | 0.02 | 0.05 |
| 106 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.09 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 107 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 108 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.09 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 109 | ME | Madison Paper | 5253911 | | S | 0.09 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 110 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.09 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 111 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.09 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 112 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.09 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 113 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.08 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 114 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 |
| 115 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 116 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.07 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 117 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 118 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 119 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.07 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 120 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 2 | L | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.07 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 122 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.07 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 123 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.07 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 124 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.06 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 125 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.06 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 126 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 |
| 127 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.06 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 128 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | | S | 0.05 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 129 | NY | NORLITE CORP | 8090911 | | S | 0.05 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 130 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.05 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 131 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.04 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 132 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.03 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 133 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | | S | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 134 | ME | THE JACKSON LABORATORY | 7945211 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 135 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 136 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## F.25 2011 ICI Ranking Visibility Impairing Sources to Campobello

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Large or Small? | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | ME | WOODLAND PULP LLC | 5974211 | | S | 2.66 | 0.03 | 0.19 | **2.66** | 0.41 | **1.28** | 0.02 | 0.11 | **1.68** | 0.26 | 0.82 | 0.01 | 0.18 | **2.39** | 0.37 | **1.15** |
| 2 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 1.96 | 0.15 | 0.01 | **1.93** | 0.30 | 0.94 | 0.14 | 0.03 | **1.96** | 0.31 | 0.95 | 0.10 | 0.02 | **1.49** | 0.23 | 0.73 |
| 3 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 1.92 | 0.15 | 0.01 | **1.90** | 0.30 | 0.93 | 0.13 | 0.03 | **1.92** | 0.30 | 0.94 | 0.10 | 0.02 | **1.46** | 0.23 | 0.72 |
| 4 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 1.84 | 0.04 | 0.11 | **1.84** | 0.29 | 0.90 | 0.02 | 0.07 | **1.01** | 0.16 | 0.50 | 0.01 | 0.04 | 0.62 | 0.10 | 0.31 |
| 5 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 1.28 | 0.06 | 0.05 | **1.28** | 0.20 | 0.63 | 0.05 | 0.03 | 0.97 | 0.15 | 0.48 | 0.04 | 0.02 | 0.71 | 0.11 | 0.36 |
| 6 | OH | P. H. Glatfelter Company - Chillicothe Facil | 8131111 | 147671 | L | 1.06 | 0.09 | 0.00 | **1.06** | 0.17 | 0.53 | 0.05 | 0.00 | 0.63 | 0.10 | 0.31 | 0.04 | 0.00 | 0.57 | 0.09 | 0.29 |
| 7 | ME | THE JACKSON LABORATORY | 7945211 | | S | 0.72 | 0.00 | 0.05 | 0.60 | 0.10 | 0.30 | 0.00 | 0.05 | 0.65 | 0.10 | 0.33 | 0.00 | 0.06 | 0.72 | 0.11 | 0.36 |
| 8 | ME | FMC BIOPOLYMER | 5692011 | | S | 0.70 | 0.03 | 0.02 | 0.64 | 0.10 | 0.32 | 0.04 | 0.01 | 0.70 | 0.11 | 0.35 | 0.04 | 0.02 | 0.69 | 0.11 | 0.35 |
| 9 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 0.57 | 0.04 | 0.01 | 0.57 | 0.09 | 0.29 | 0.02 | 0.01 | 0.39 | 0.06 | 0.20 | 0.02 | 0.01 | 0.35 | 0.06 | 0.18 |
| 10 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.45 | 0.00 | 0.04 | 0.45 | 0.07 | 0.23 | 0.00 | 0.03 | 0.44 | 0.07 | 0.22 | 0.00 | 0.03 | 0.32 | 0.05 | 0.16 |
| 11 | NY | ALCOA MASSENA OPERATIONS (WEST PLA | 7968211 | SA398 | L | 0.42 | 0.03 | 0.00 | 0.31 | 0.05 | 0.16 | 0.02 | 0.00 | 0.22 | 0.04 | 0.11 | 0.03 | 0.00 | 0.42 | 0.07 | 0.21 |
| 12 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.41 | 0.03 | 0.01 | 0.41 | 0.07 | 0.21 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 | 0.01 | 0.00 | 0.17 | 0.03 | 0.08 |
| 13 | MD | Sparrows Point, LLC | 8239711 | | S | 0.41 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.01 | 0.01 | 0.32 | 0.05 | 0.16 | 0.01 | 0.02 | 0.41 | 0.07 | 0.21 |
| 14 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 0.33 | 0.02 | 0.01 | 0.29 | 0.05 | 0.15 | 0.01 | 0.01 | 0.33 | 0.05 | 0.17 | 0.01 | 0.01 | 0.31 | 0.05 | 0.16 |
| 15 | IN | Indiana Harbor East | 3986511 | | S | 0.32 | 0.00 | 0.01 | 0.17 | 0.03 | 0.09 | 0.01 | 0.01 | 0.21 | 0.03 | 0.10 | 0.01 | 0.02 | 0.32 | 0.05 | 0.16 |
| 16 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFIN | 7873611 | S60 | L | 0.30 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.02 | 0.01 | 0.30 | 0.05 | 0.15 | 0.01 | 0.01 | 0.24 | 0.04 | 0.12 |
| 17 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 0.30 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.01 | 0.02 | 0.30 | 0.05 | 0.15 | 0.01 | 0.02 | 0.29 | 0.05 | 0.15 |
| 18 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.29 | 0.02 | 0.00 | 0.21 | 0.03 | 0.11 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 | 0.02 | 0.00 | 0.29 | 0.05 | 0.15 |
| 19 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLE | 6582211 | S73 | L | 0.29 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 | 0.01 | 0.01 | 0.24 | 0.04 | 0.12 | 0.01 | 0.01 | 0.29 | 0.05 | 0.15 |
| 20 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.27 | 0.01 | 0.00 | 0.17 | 0.03 | 0.08 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 | 0.01 | 0.01 | 0.27 | 0.04 | 0.14 |
| 21 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.27 | 0.01 | 0.01 | 0.27 | 0.04 | 0.13 | 0.01 | 0.01 | 0.21 | 0.03 | 0.10 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 |
| 22 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.25 | 0.01 | 0.00 | 0.20 | 0.03 | 0.10 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 |
| 23 | NY | INTERNATIONAL PAPER TICONDEROGA MI | 7991711 | 44 | L | 0.25 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 |
| 24 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 0.25 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.01 | 0.00 | 0.20 | 0.03 | 0.10 | 0.01 | 0.01 | 0.25 | 0.04 | 0.12 |
| 25 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 0.25 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.01 | 0.01 | 0.22 | 0.04 | 0.11 | 0.00 | 0.02 | 0.25 | 0.04 | 0.12 |
| 26 | ME | Madison Paper | 5253911 | | S | 0.23 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 | 0.01 | 0.01 | 0.15 | 0.02 | 0.08 |
| 27 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 0.22 | 0.00 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.01 | 0.22 | 0.04 | 0.11 | 0.01 | 0.01 | 0.16 | 0.03 | 0.08 |
| 28 | PA | Penn State Univ | 3186811 | S01 | L | 0.22 | 0.02 | 0.00 | 0.22 | 0.04 | 0.11 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 29 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.22 | 0.02 | 0.00 | 0.22 | 0.04 | 0.11 | 0.01 | 0.00 | 0.17 | 0.03 | 0.08 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 30 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.22 | 0.00 | 0.00 | 0.09 | 0.01 | 0.04 | 0.01 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.22 | 0.04 | 0.11 |
| 31 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 0.22 | 0.00 | 0.01 | 0.17 | 0.03 | 0.09 | 0.00 | 0.01 | 0.20 | 0.03 | 0.10 | 0.00 | 0.02 | 0.22 | 0.03 | 0.11 |
| 32 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.22 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.02 | 0.00 | 0.22 | 0.03 | 0.11 | 0.01 | 0.00 | 0.17 | 0.03 | 0.08 |
| 33 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.21 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 |
| 34 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.21 | 0.02 | 0.00 | 0.21 | 0.03 | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 35 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.21 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.02 | 0.00 | 0.21 | 0.03 | 0.10 | 0.01 | 0.00 | 0.15 | 0.02 | 0.07 |
| 36 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.20 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.02 | 0.20 | 0.03 | 0.10 | 0.00 | 0.01 | 0.09 | 0.01 | 0.05 |
| 37 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.19 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.01 | 0.19 | 0.03 | 0.10 | 0.00 | 0.01 | 0.09 | 0.01 | 0.04 |
| 38 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.19 | 0.01 | 0.00 | 0.19 | 0.03 | 0.10 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 39 | OH | The Medical Center Company (1318003059 | 8252111 | 184509 | L | 0.19 | 0.01 | 0.00 | 0.19 | 0.03 | 0.09 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.17 | 0.03 | 0.08 |
| 40 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.18 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 0.18 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 42 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 0.16 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.00 | 0.01 | 0.16 | 0.03 | 0.08 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 |
| 43 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 0.15 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.01 | 0.15 | 0.02 | 0.08 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 |
| 44 | VA | Smurfit Stone Container Corporation - West | 4182011 | 7 | L | 0.15 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 |
| 45 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.15 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 46 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.14 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 47 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.14 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 48 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.14 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.07 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 |
| 49 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 50 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 0.13 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 |
| 51 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.13 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 52 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 53 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 54 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.13 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 |
| 55 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 56 | OH | Cargill, Incorporated - Salt Division (Akron, | 7416411 | 250250 | L | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 57 | NY | FINCH PAPER LLC | 8325211 | | S | 0.12 | 0.00 | 0.01 | 0.09 | 0.01 | 0.05 | 0.00 | 0.01 | 0.11 | 0.02 | 0.05 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 |
| 58 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.12 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 |
| 59 | VA | Roanoke Cement Company | 5039811 | 4 | L | 0.12 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 60 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 61 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.11 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 62 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.11 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 63 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 64 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 65 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.11 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 66 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.11 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 67 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.11 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 68 | OH | City of Akron Steam Generating (16770107 | 8170411 | 253630 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 69 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.11 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 70 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 71 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.11 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.00 | 0.00 | 0.11 | 0.02 | 0.06 |
| 72 | IN | Citizens Thermal | 4885311 | 4 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 73 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 74 | IN | Citizens Thermal | 4885311 | 1 | L | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 75 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.10 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 |
| 76 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.10 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 77 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | 59727 | L | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 78 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.10 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 79 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.10 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 |
| 80 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.09 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | VA | GP Big Island LLC | 4183311 | 1 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 82 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 0.09 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 83 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 1 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.03 |
| 84 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 85 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 86 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 87 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 88 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 89 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 |
| 90 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.03 |
| 91 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 92 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 93 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.08 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 94 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 95 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.07 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 96 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.07 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 97 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.07 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 98 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.07 | 0.01 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 99 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.06 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 100 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 101 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 102 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.06 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 103 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 104 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 105 | VA | Smurfit Stone Container Corporation - West | 4182011 | 2 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 106 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 107 | VA | Smurfit Stone Container Corporation - West | 4182011 | 4 | L | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 108 | VA | Smurfit Stone Container Corporation - West | 4182011 | | S | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 109 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 110 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | 1 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 111 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 112 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 113 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 114 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 115 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.05 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 116 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.05 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 117 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.05 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 118 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 119 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 120 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 2 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 122 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.04 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 123 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 124 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 125 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | | S | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 126 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 127 | NY | NORLITE CORP | 8090911 | | S | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 128 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 129 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 130 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | | S | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 131 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | | S | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 132 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 133 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 134 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| 135 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## F.26 2011 ICI Ranking Visibility Impairing Sources to Great Gulf

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Large or Small? | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 3.39 | 0.18 | 0.02 | **2.25** | 0.37 | **1.14** | 0.19 | 0.05 | **2.78** | 0.45 | **1.39** | 0.27 | 0.03 | **3.39** | 0.55 | **1.67** |
| 2 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 3.34 | 0.18 | 0.02 | **2.22** | 0.36 | **1.12** | 0.19 | 0.05 | **2.72** | 0.44 | **1.36** | 0.27 | 0.03 | **3.34** | 0.54 | **1.65** |
| 3 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 2.23 | 0.00 | 0.03 | 0.36 | 0.06 | 0.19 | 0.02 | 0.17 | **2.23** | 0.37 | **1.13** | 0.01 | 0.04 | 0.56 | 0.09 | 0.30 |
| 4 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 1.44 | 0.08 | 0.04 | **1.39** | 0.23 | 0.72 | 0.04 | 0.04 | 0.88 | 0.15 | 0.46 | 0.06 | 0.07 | **1.44** | 0.24 | 0.75 |
| 5 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 1.44 | 0.00 | 0.03 | 0.36 | 0.06 | 0.19 | 0.01 | 0.11 | **1.44** | 0.24 | 0.74 | 0.00 | 0.01 | 0.22 | 0.04 | 0.12 |
| 6 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 1.12 | 0.00 | 0.03 | 0.33 | 0.05 | 0.18 | 0.01 | 0.09 | **1.12** | 0.19 | 0.58 | 0.00 | 0.07 | 0.82 | 0.14 | 0.43 |
| 7 | OH | P. H. Glatfelter Company - Chillicothe Facil | 8131111 | 147671 | L | 1.07 | 0.09 | 0.00 | **1.07** | 0.18 | 0.56 | 0.07 | 0.01 | 0.96 | 0.16 | 0.50 | 0.06 | 0.01 | 0.70 | 0.12 | 0.37 |
| 8 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 0.87 | 0.02 | 0.01 | 0.32 | 0.05 | 0.17 | 0.02 | 0.02 | 0.45 | 0.07 | 0.24 | 0.03 | 0.04 | 0.87 | 0.14 | 0.46 |
| 9 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.82 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 | 0.00 | 0.07 | 0.82 | 0.14 | 0.43 | 0.00 | 0.01 | 0.15 | 0.02 | 0.08 |
| 10 | NY | INTERNATIONAL PAPER TICONDEROGA MI | 7991711 | 44 | L | 0.81 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 | 0.04 | 0.03 | 0.81 | 0.13 | 0.43 | 0.02 | 0.02 | 0.47 | 0.08 | 0.25 |
| 11 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.66 | 0.01 | 0.02 | 0.39 | 0.07 | 0.21 | 0.02 | 0.04 | 0.66 | 0.11 | 0.35 | 0.01 | 0.02 | 0.38 | 0.06 | 0.20 |
| 12 | NY | FINCH PAPER LLC | 8325211 | | S | 0.61 | 0.00 | 0.02 | 0.19 | 0.03 | 0.10 | 0.00 | 0.05 | 0.61 | 0.10 | 0.32 | 0.00 | 0.04 | 0.44 | 0.07 | 0.23 |
| 13 | NY | ALCOA MASSENA OPERATIONS (WEST PLA | 7968211 | SA398 | L | 0.59 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.05 | 0.00 | 0.59 | 0.10 | 0.31 | 0.03 | 0.00 | 0.36 | 0.06 | 0.19 |
| 14 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 0.56 | 0.03 | 0.00 | 0.43 | 0.07 | 0.23 | 0.03 | 0.01 | 0.51 | 0.09 | 0.27 | 0.04 | 0.01 | 0.56 | 0.09 | 0.30 |
| 15 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 0.52 | 0.01 | 0.00 | 0.21 | 0.04 | 0.11 | 0.04 | 0.01 | 0.52 | 0.09 | 0.27 | 0.03 | 0.01 | 0.39 | 0.06 | 0.21 |
| 16 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.41 | 0.01 | 0.01 | 0.14 | 0.02 | 0.08 | 0.02 | 0.02 | 0.41 | 0.07 | 0.22 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 |
| 17 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 0.39 | 0.00 | 0.01 | 0.10 | 0.02 | 0.06 | 0.00 | 0.03 | 0.39 | 0.06 | 0.21 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 |
| 18 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 0.37 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.02 | 0.37 | 0.06 | 0.20 | 0.01 | 0.01 | 0.16 | 0.03 | 0.08 |
| 19 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.37 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.03 | 0.00 | 0.37 | 0.06 | 0.19 |
| 20 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.36 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.00 | 0.03 | 0.36 | 0.06 | 0.19 |
| 21 | IN | Indiana Harbor East | 3986511 | | S | 0.35 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 | 0.01 | 0.02 | 0.35 | 0.06 | 0.19 |
| 22 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLE | 6582211 | S73 | L | 0.34 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.02 | 0.34 | 0.06 | 0.18 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 |
| 23 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.32 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 | 0.03 | 0.00 | 0.32 | 0.05 | 0.17 |
| 24 | ME | Madison Paper | 5253911 | | S | 0.30 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.01 | 0.30 | 0.05 | 0.16 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 |
| 25 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.29 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.01 | 0.29 | 0.05 | 0.16 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 26 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.29 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 | 0.01 | 0.02 | 0.29 | 0.05 | 0.15 |
| 27 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.28 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.01 | 0.28 | 0.05 | 0.15 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 |
| 28 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.28 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.01 | 0.00 | 0.19 | 0.03 | 0.10 | 0.02 | 0.01 | 0.28 | 0.05 | 0.15 |
| 29 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 0.28 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.00 | 0.02 | 0.28 | 0.05 | 0.15 | 0.01 | 0.01 | 0.14 | 0.02 | 0.07 |
| 30 | MD | Sparrows Point, LLC | 8239711 | | S | 0.27 | 0.01 | 0.01 | 0.12 | 0.02 | 0.07 | 0.00 | 0.02 | 0.27 | 0.04 | 0.14 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 |
| 31 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.26 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.01 | 0.26 | 0.04 | 0.14 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 |
| 32 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 0.26 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.01 | 0.26 | 0.04 | 0.14 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 |
| 33 | PA | Penn State Univ | 3186811 | S01 | L | 0.25 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 |
| 34 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.25 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 |
| 35 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFIN | 7873611 | S60 | L | 0.23 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 36 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 0.23 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 |
| 37 | OH | The Medical Center Company (1318003059 | 8252111 | 184509 | L | 0.23 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.02 | 0.00 | 0.23 | 0.04 | 0.12 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 38 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.22 | 0.01 | 0.01 | 0.14 | 0.02 | 0.07 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 |
| 39 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.22 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.01 | 0.01 | 0.20 | 0.03 | 0.10 |
| 40 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.21 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 | 0.01 | 0.01 | 0.14 | 0.02 | 0.07 | 0.01 | 0.01 | 0.21 | 0.04 | 0.11 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.21 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.02 | 0.00 | 0.21 | 0.04 | 0.11 |
| 42 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.20 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.01 | 0.01 | 0.20 | 0.03 | 0.10 | 0.01 | 0.01 | 0.14 | 0.02 | 0.07 |
| 43 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.18 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 |
| 44 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.18 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 45 | VA | GP Big Island LLC | 4183311 | 1 | L | 0.17 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 |
| 46 | ME | FMC BIOPOLYMER | 5692011 | | S | 0.17 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 |
| 47 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.17 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.17 | 0.03 | 0.09 |
| 48 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 0.17 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 |
| 49 | ME | WOODLAND PULP LLC | 5974211 | | S | 0.16 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 |
| 50 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.16 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 51 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.16 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 |
| 52 | VA | Roanoke Cement Company | 5039811 | 4 | L | 0.16 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 | 0.01 | 0.01 | 0.16 | 0.03 | 0.08 |
| 53 | IN | Citizens Thermal | 4885311 | 4 | L | 0.16 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 54 | IN | Citizens Thermal | 4885311 | 1 | L | 0.15 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 |
| 55 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.15 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.01 | 0.01 | 0.15 | 0.03 | 0.08 |
| 56 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.15 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.01 | 0.15 | 0.03 | 0.08 |
| 57 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.15 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.01 | 0.15 | 0.03 | 0.08 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 58 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.15 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.01 | 0.15 | 0.03 | 0.08 |
| 59 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.15 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.01 | 0.15 | 0.02 | 0.08 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 |
| 60 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.14 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.01 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 61 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.14 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 62 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.13 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 63 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.13 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 |
| 64 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 65 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 66 | OH | City of Akron Steam Generating (16770107 | 8170411 | 253630 | L | 0.12 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 67 | OH | Cargill, Incorporated - Salt Division (Akron, | 7416411 | 250250 | L | 0.12 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 68 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.12 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 69 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 70 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 71 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 72 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 73 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 74 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.10 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 |
| 75 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.10 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.01 | 0.10 | 0.02 | 0.06 |
| 76 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 77 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.10 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 |
| 78 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | 59727 | L | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 |
| 79 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 80 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.10 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 82 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 1 | L | 0.09 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 83 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | 1 | L | 0.09 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 84 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.09 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.09 | 0.02 | 0.05 |
| 85 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 86 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 87 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 88 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.09 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 89 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.09 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 |
| 90 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 91 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 92 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.08 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 93 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.08 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 94 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 95 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 96 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 97 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.07 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 98 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.07 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 |
| 99 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.07 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 100 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.07 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 101 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 0.07 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 102 | VA | Smurfit Stone Container Corporation - West | 4182011 | 4 | L | 0.07 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.01 | 0.07 | 0.01 | 0.04 |
| 103 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.07 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 104 | VA | Smurfit Stone Container Corporation - West | 4182011 | | S | 0.07 | 0.00 | 0.01 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.01 | 0.07 | 0.01 | 0.04 |
| 105 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 106 | VA | Smurfit Stone Container Corporation - West | 4182011 | 7 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 |
| 107 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 108 | VA | Smurfit Stone Container Corporation - West | 4182011 | 2 | L | 0.06 | 0.00 | 0.01 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.01 | 0.06 | 0.01 | 0.03 |
| 109 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.06 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 110 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.06 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 111 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 112 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 113 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.06 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 114 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 115 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 116 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 117 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 118 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.05 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 119 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 120 | ME | THE JACKSON LABORATORY | 7945211 | | S | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 122 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 2 | L | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 123 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 124 | NY | NORLITE CORP | 8090911 | | S | 0.04 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 125 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 126 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 127 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | | S | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 128 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 129 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 130 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | | S | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 131 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 132 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | | S | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 133 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 134 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 135 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## F.27 2011 ICI Ranking Visibility Impairing Sources to Lye Brook

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Large or Small? | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 8.14 | 0.12 | 0.15 | **2.96** | 0.51 | **1.57** | 0.27 | 0.47 | **8.14** | **1.35** | **3.82** | 0.10 | 0.16 | **2.81** | 0.49 | **1.49** |
| 2 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 5.31 | 0.31 | 0.02 | **3.50** | 0.61 | **1.83** | 0.36 | 0.07 | **4.63** | 0.79 | **2.35** | 0.47 | 0.03 | **5.31** | 0.90 | **2.66** |
| 3 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 5.23 | 0.30 | 0.02 | **3.45** | 0.60 | **1.80** | 0.36 | 0.06 | **4.55** | 0.78 | **2.31** | 0.46 | 0.02 | **5.23** | 0.89 | **2.62** |
| 4 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 4.77 | 0.01 | 0.29 | **3.28** | 0.57 | **1.72** | 0.01 | 0.42 | **4.77** | 0.82 | **2.42** | 0.01 | 0.25 | **2.90** | 0.50 | **1.54** |
| 5 | NY | FINCH PAPER LLC | 8325211 | | S | 2.87 | 0.00 | 0.17 | **1.89** | 0.33 | **1.03** | 0.00 | 0.26 | **2.87** | 0.50 | **1.52** | 0.00 | 0.15 | **1.66** | 0.29 | 0.91 |
| 6 | OH | P. H. Glatfelter Company - Chillicothe Facil | 8131111 | 147671 | L | 1.44 | 0.13 | 0.00 | **1.44** | 0.25 | 0.79 | 0.11 | 0.01 | **1.22** | 0.21 | 0.67 | 0.11 | 0.01 | **1.25** | 0.22 | 0.69 |
| 7 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 1.42 | 0.02 | 0.02 | 0.46 | 0.08 | 0.26 | 0.06 | 0.07 | **1.42** | 0.25 | 0.78 | 0.04 | 0.05 | 0.93 | 0.17 | 0.52 |
| 8 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 1.37 | 0.01 | 0.03 | 0.38 | 0.07 | 0.22 | 0.02 | 0.10 | **1.37** | 0.24 | 0.76 | 0.01 | 0.06 | 0.78 | 0.14 | 0.44 |
| 9 | NY | INTERNATIONAL PAPER TICONDEROGA MI | 7991711 | 44 | L | 1.14 | 0.03 | 0.06 | 0.97 | 0.17 | 0.54 | 0.04 | 0.06 | **1.14** | 0.20 | 0.63 | 0.03 | 0.06 | **1.02** | 0.18 | 0.57 |
| 10 | NY | ALCOA MASSENA OPERATIONS (WEST PLA | 7968211 | SA398 | L | 0.99 | 0.03 | 0.00 | 0.34 | 0.06 | 0.19 | 0.04 | 0.00 | 0.40 | 0.07 | 0.23 | 0.09 | 0.00 | 0.99 | 0.18 | 0.55 |
| 11 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 0.97 | 0.04 | 0.01 | 0.56 | 0.10 | 0.32 | 0.06 | 0.03 | 0.97 | 0.17 | 0.54 | 0.04 | 0.01 | 0.53 | 0.09 | 0.30 |
| 12 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.57 | 0.01 | 0.02 | 0.26 | 0.05 | 0.15 | 0.02 | 0.02 | 0.41 | 0.07 | 0.23 | 0.02 | 0.03 | 0.57 | 0.10 | 0.32 |
| 13 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.53 | 0.01 | 0.01 | 0.19 | 0.03 | 0.11 | 0.03 | 0.02 | 0.53 | 0.09 | 0.30 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 |
| 14 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.50 | 0.01 | 0.01 | 0.29 | 0.05 | 0.17 | 0.03 | 0.02 | 0.50 | 0.09 | 0.28 | 0.02 | 0.02 | 0.39 | 0.07 | 0.22 |
| 15 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 0.50 | 0.01 | 0.01 | 0.21 | 0.04 | 0.12 | 0.01 | 0.03 | 0.50 | 0.09 | 0.28 | 0.02 | 0.01 | 0.31 | 0.05 | 0.17 |
| 16 | MD | Sparrows Point, LLC | 8239711 | | S | 0.46 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 | 0.01 | 0.03 | 0.46 | 0.08 | 0.26 | 0.01 | 0.01 | 0.21 | 0.04 | 0.12 |
| 17 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.42 | 0.00 | 0.01 | 0.08 | 0.01 | 0.05 | 0.00 | 0.04 | 0.42 | 0.07 | 0.24 | 0.00 | 0.02 | 0.17 | 0.03 | 0.10 |
| 18 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLE | 6582211 | S73 | L | 0.41 | 0.01 | 0.01 | 0.27 | 0.05 | 0.16 | 0.01 | 0.02 | 0.41 | 0.07 | 0.24 | 0.01 | 0.02 | 0.40 | 0.07 | 0.23 |
| 19 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 0.41 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.03 | 0.41 | 0.07 | 0.23 | 0.00 | 0.03 | 0.32 | 0.06 | 0.18 |
| 20 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.39 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.03 | 0.39 | 0.07 | 0.22 | 0.00 | 0.01 | 0.18 | 0.03 | 0.10 |
| 21 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 0.39 | 0.02 | 0.01 | 0.29 | 0.05 | 0.16 | 0.02 | 0.01 | 0.27 | 0.05 | 0.15 | 0.03 | 0.01 | 0.39 | 0.07 | 0.22 |
| 22 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.38 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.03 | 0.38 | 0.07 | 0.21 | 0.00 | 0.01 | 0.17 | 0.03 | 0.10 |
| 23 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.36 | 0.01 | 0.01 | 0.24 | 0.04 | 0.14 | 0.01 | 0.01 | 0.31 | 0.06 | 0.18 | 0.01 | 0.02 | 0.36 | 0.06 | 0.20 |
| 24 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.35 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.02 | 0.01 | 0.35 | 0.06 | 0.20 | 0.02 | 0.00 | 0.20 | 0.04 | 0.11 |
| 25 | NY | NORLITE CORP | 8090911 | | S | 0.35 | 0.01 | 0.03 | 0.35 | 0.06 | 0.20 | 0.01 | 0.02 | 0.23 | 0.04 | 0.13 | 0.01 | 0.02 | 0.34 | 0.06 | 0.19 |
| 26 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 0.35 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 | 0.01 | 0.02 | 0.35 | 0.06 | 0.20 | 0.01 | 0.02 | 0.27 | 0.05 | 0.15 |
| 27 | IN | Indiana Harbor East | 3986511 | | S | 0.34 | 0.00 | 0.02 | 0.25 | 0.04 | 0.14 | 0.01 | 0.01 | 0.32 | 0.06 | 0.18 | 0.01 | 0.02 | 0.34 | 0.06 | 0.19 |
| 28 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.32 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.02 | 0.32 | 0.06 | 0.18 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 29 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 0.31 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.02 | 0.01 | 0.31 | 0.06 | 0.18 | 0.02 | 0.01 | 0.29 | 0.05 | 0.17 |
| 30 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 0.31 | 0.00 | 0.01 | 0.13 | 0.02 | 0.08 | 0.00 | 0.03 | 0.31 | 0.06 | 0.18 | 0.00 | 0.02 | 0.25 | 0.04 | 0.14 |
| 31 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.30 | 0.01 | 0.01 | 0.19 | 0.03 | 0.11 | 0.01 | 0.01 | 0.30 | 0.05 | 0.17 | 0.01 | 0.01 | 0.22 | 0.04 | 0.13 |
| 32 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.29 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 | 0.01 | 0.01 | 0.19 | 0.03 | 0.11 | 0.01 | 0.02 | 0.29 | 0.05 | 0.17 |
| 33 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.29 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.03 | 0.00 | 0.29 | 0.05 | 0.16 |
| 34 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.28 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.01 | 0.28 | 0.05 | 0.16 | 0.00 | 0.01 | 0.12 | 0.02 | 0.07 |
| 35 | PA | Penn State Univ | 3186811 | S01 | L | 0.27 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 | 0.02 | 0.01 | 0.27 | 0.05 | 0.15 | 0.01 | 0.00 | 0.21 | 0.04 | 0.12 |
| 36 | ME | WOODLAND PULP LLC | 5974211 | | S | 0.26 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 | 0.00 | 0.02 | 0.26 | 0.05 | 0.15 | 0.00 | 0.02 | 0.24 | 0.04 | 0.14 |
| 37 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.25 | 0.01 | 0.00 | 0.13 | 0.02 | 0.08 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.02 | 0.00 | 0.25 | 0.04 | 0.14 |
| 38 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.24 | 0.02 | 0.00 | 0.19 | 0.03 | 0.11 | 0.02 | 0.01 | 0.24 | 0.04 | 0.14 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 39 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFIN | 7873611 | S60 | L | 0.23 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 | 0.01 | 0.01 | 0.19 | 0.03 | 0.11 |
| 40 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.22 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.02 | 0.00 | 0.22 | 0.04 | 0.13 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 0.22 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.01 | 0.22 | 0.04 | 0.13 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 |
| 42 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 0.22 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.01 | 0.22 | 0.04 | 0.13 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 |
| 43 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.22 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.01 | 0.22 | 0.04 | 0.13 | 0.01 | 0.00 | 0.17 | 0.03 | 0.10 |
| 44 | ME | Madison Paper | 5253911 | | S | 0.22 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 45 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.22 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 | 0.01 | 0.00 | 0.19 | 0.03 | 0.11 |
| 46 | VA | Roanoke Cement Company | 5039811 | 4 | L | 0.20 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.01 | 0.20 | 0.04 | 0.12 | 0.01 | 0.01 | 0.17 | 0.03 | 0.10 |
| 47 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.20 | 0.02 | 0.00 | 0.19 | 0.03 | 0.11 | 0.02 | 0.00 | 0.20 | 0.04 | 0.12 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 48 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.19 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.01 | 0.01 | 0.19 | 0.03 | 0.11 | 0.01 | 0.01 | 0.15 | 0.03 | 0.09 |
| 49 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.19 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.02 | 0.00 | 0.19 | 0.03 | 0.11 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 50 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.18 | 0.00 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.01 | 0.18 | 0.03 | 0.11 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 51 | VA | GP Big Island LLC | 4183311 | 1 | L | 0.18 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 |
| 52 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.18 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 53 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.17 | 0.01 | 0.00 | 0.17 | 0.03 | 0.10 | 0.01 | 0.01 | 0.14 | 0.02 | 0.08 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 |
| 54 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.17 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 | 0.01 | 0.01 | 0.17 | 0.03 | 0.10 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 55 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.17 | 0.00 | 0.01 | 0.10 | 0.02 | 0.06 | 0.01 | 0.01 | 0.17 | 0.03 | 0.10 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 56 | OH | The Medical Center Company (1318003059 | 8252111 | 184509 | L | 0.17 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.00 | 0.17 | 0.03 | 0.10 |
| 57 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.16 | 0.00 | 0.01 | 0.12 | 0.02 | 0.07 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 |
| 58 | VA | Smurfit Stone Container Corporation - West | 4182011 | | S | 0.16 | 0.00 | 0.01 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.13 | 0.02 | 0.08 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 |
| 59 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.16 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 |
| 60 | VA | Smurfit Stone Container Corporation - West | 4182011 | 2 | L | 0.16 | 0.00 | 0.01 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.14 | 0.02 | 0.08 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 |
| 61 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.15 | 0.01 | 0.00 | 0.15 | 0.03 | 0.09 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 62 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.15 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.15 | 0.03 | 0.09 | 0.01 | 0.01 | 0.14 | 0.02 | 0.08 |
| 63 | IN | Citizens Thermal | 4885311 | 4 | L | 0.15 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 64 | VA | Smurfit Stone Container Corporation - West | 4182011 | 7 | L | 0.14 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 |
| 65 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.14 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 66 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.14 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 |
| 67 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.14 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 |
| 68 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.14 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.07 |
| 69 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.14 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.07 |
| 70 | OH | Cargill, Incorporated - Salt Division (Akron, | 7416411 | 250250 | L | 0.14 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 |
| 71 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.14 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 |
| 72 | IN | Citizens Thermal | 4885311 | 1 | L | 0.14 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 73 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.14 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 74 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.14 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 75 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.13 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.13 | 0.02 | 0.08 |
| 76 | OH | City of Akron Steam Generating (16770107 | 8170411 | 253630 | L | 0.13 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 77 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 |
| 78 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 |
| 79 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.12 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 80 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.00 | 0.08 | 0.02 | 0.05 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 |
| 82 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.12 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 83 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.11 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 84 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | 59727 | L | 0.11 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.02 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 85 | ME | FMC BIOPOLYMER | 5692011 | | S | 0.11 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 86 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.11 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 87 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.10 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 88 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 |
| 89 | VA | Smurfit Stone Container Corporation - West | 4182011 | 4 | L | 0.10 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.10 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.02 | 0.06 |
| 90 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.10 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 91 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.10 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 92 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.10 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 93 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.10 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 94 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.10 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 95 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.10 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 96 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.10 | 0.00 | 0.01 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 |
| 97 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.10 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 98 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.09 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 99 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 100 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.09 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 101 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 102 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 103 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.09 | 0.00 | 0.01 | 0.09 | 0.02 | 0.05 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 | 0.00 | 0.01 | 0.09 | 0.02 | 0.05 |
| 104 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 1 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 105 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.09 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 106 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.08 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 107 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 |
| 108 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.08 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 |
| 109 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 110 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.08 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 111 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | 1 | L | 0.08 | 0.01 | 0.00 | 0.06 | 0.01 | 0.04 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 112 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 113 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.06 | 0.01 | 0.04 |
| 114 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.07 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 115 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.07 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 116 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.07 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 117 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.07 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 118 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 |
| 119 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 0.06 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 120 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 122 | ME | THE JACKSON LABORATORY | 7945211 | | S | 0.05 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 123 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | | S | 0.04 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 124 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 2 | L | 0.04 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 125 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | | S | 0.04 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 126 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 127 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 128 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 129 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.04 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 130 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.03 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 131 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 132 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 133 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | | S | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 134 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 135 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## F.28 2011 ICI Ranking Visibility Impairing Sources to Moosehorn

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Large or Small? | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | ME | WOODLAND PULP LLC | 5974211 | | S | 7.47 | 0.15 | 0.46 | **7.47** | **1.11** | **3.21** | 0.04 | 0.33 | **4.70** | 0.72 | **2.14** | 0.08 | 0.30 | **4.67** | 0.71 | **2.13** |
| 2 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 2.21 | 0.14 | 0.01 | **1.87** | 0.29 | 0.91 | 0.15 | 0.03 | **2.21** | 0.34 | **1.06** | 0.11 | 0.02 | **1.60** | 0.25 | 0.78 |
| 3 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 2.17 | 0.14 | 0.01 | **1.84** | 0.29 | 0.89 | 0.15 | 0.03 | **2.17** | 0.34 | **1.04** | 0.11 | 0.02 | **1.57** | 0.24 | 0.77 |
| 4 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 2.11 | 0.04 | 0.13 | **2.11** | 0.33 | **1.02** | 0.03 | 0.09 | **1.46** | 0.23 | 0.71 | 0.02 | 0.05 | 0.88 | 0.14 | 0.44 |
| 5 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 1.25 | 0.06 | 0.04 | **1.25** | 0.20 | 0.61 | 0.05 | 0.04 | **1.07** | 0.17 | 0.53 | 0.04 | 0.02 | 0.78 | 0.12 | 0.39 |
| 6 | OH | P. H. Glatfelter Company - Chillicothe Facil | 8131111 | 147671 | L | 1.07 | 0.09 | 0.00 | **1.07** | 0.17 | 0.53 | 0.05 | 0.00 | 0.69 | 0.11 | 0.35 | 0.05 | 0.00 | 0.65 | 0.10 | 0.33 |
| 7 | ME | THE JACKSON LABORATORY | 7945211 | | S | 0.84 | 0.00 | 0.04 | 0.51 | 0.08 | 0.26 | 0.00 | 0.06 | 0.77 | 0.12 | 0.38 | 0.00 | 0.07 | 0.84 | 0.13 | 0.42 |
| 8 | ME | FMC BIOPOLYMER | 5692011 | | S | 0.80 | 0.04 | 0.02 | 0.73 | 0.11 | 0.36 | 0.04 | 0.02 | 0.68 | 0.11 | 0.34 | 0.04 | 0.02 | 0.80 | 0.13 | 0.40 |
| 9 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 0.60 | 0.04 | 0.01 | 0.60 | 0.09 | 0.30 | 0.02 | 0.01 | 0.42 | 0.07 | 0.21 | 0.03 | 0.01 | 0.41 | 0.06 | 0.21 |
| 10 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.54 | 0.00 | 0.04 | 0.53 | 0.08 | 0.27 | 0.00 | 0.04 | 0.54 | 0.08 | 0.27 | 0.00 | 0.03 | 0.34 | 0.05 | 0.17 |
| 11 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.44 | 0.03 | 0.01 | 0.44 | 0.07 | 0.22 | 0.01 | 0.01 | 0.22 | 0.03 | 0.11 | 0.01 | 0.01 | 0.20 | 0.03 | 0.10 |
| 12 | NY | ALCOA MASSENA OPERATIONS (WEST PLA | 7968211 | SA398 | L | 0.42 | 0.02 | 0.00 | 0.29 | 0.05 | 0.14 | 0.02 | 0.00 | 0.28 | 0.04 | 0.14 | 0.03 | 0.00 | 0.42 | 0.07 | 0.21 |
| 13 | MD | Sparrows Point, LLC | 8239711 | | S | 0.42 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 | 0.01 | 0.01 | 0.28 | 0.04 | 0.14 | 0.01 | 0.02 | 0.42 | 0.07 | 0.21 |
| 14 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 0.37 | 0.02 | 0.01 | 0.32 | 0.05 | 0.16 | 0.02 | 0.01 | 0.37 | 0.06 | 0.19 | 0.01 | 0.01 | 0.34 | 0.05 | 0.17 |
| 15 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 0.37 | 0.01 | 0.02 | 0.37 | 0.06 | 0.18 | 0.01 | 0.02 | 0.33 | 0.05 | 0.17 | 0.01 | 0.02 | 0.32 | 0.05 | 0.16 |
| 16 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.34 | 0.02 | 0.00 | 0.22 | 0.04 | 0.11 | 0.01 | 0.00 | 0.15 | 0.02 | 0.07 | 0.03 | 0.00 | 0.34 | 0.05 | 0.17 |
| 17 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLE | 6582211 | S73 | L | 0.32 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.01 | 0.01 | 0.32 | 0.05 | 0.16 |
| 18 | IN | Indiana Harbor East | 3986511 | | S | 0.32 | 0.00 | 0.01 | 0.18 | 0.03 | 0.09 | 0.01 | 0.01 | 0.22 | 0.03 | 0.11 | 0.01 | 0.02 | 0.32 | 0.05 | 0.16 |
| 19 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 0.31 | 0.01 | 0.00 | 0.20 | 0.03 | 0.10 | 0.02 | 0.00 | 0.24 | 0.04 | 0.12 | 0.02 | 0.01 | 0.31 | 0.05 | 0.15 |
| 20 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.30 | 0.02 | 0.00 | 0.21 | 0.03 | 0.11 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.02 | 0.00 | 0.30 | 0.05 | 0.15 |
| 21 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.29 | 0.01 | 0.00 | 0.16 | 0.02 | 0.08 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.01 | 0.01 | 0.29 | 0.05 | 0.15 |
| 22 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFIN | 7873611 | S60 | L | 0.29 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.02 | 0.01 | 0.29 | 0.05 | 0.15 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 |
| 23 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.27 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.01 | 0.15 | 0.02 | 0.07 | 0.00 | 0.02 | 0.27 | 0.04 | 0.14 |
| 24 | NY | INTERNATIONAL PAPER TICONDEROGA MI | 7991711 | 44 | L | 0.26 | 0.01 | 0.00 | 0.19 | 0.03 | 0.09 | 0.01 | 0.01 | 0.26 | 0.04 | 0.13 | 0.01 | 0.01 | 0.22 | 0.04 | 0.11 |
| 25 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.26 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.01 | 0.26 | 0.04 | 0.13 |
| 26 | ME | Madison Paper | 5253911 | | S | 0.25 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 | 0.01 | 0.01 | 0.25 | 0.04 | 0.12 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 |
| 27 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 0.25 | 0.00 | 0.01 | 0.16 | 0.03 | 0.08 | 0.00 | 0.02 | 0.21 | 0.03 | 0.11 | 0.00 | 0.02 | 0.25 | 0.04 | 0.12 |
| 28 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.24 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 | 0.01 | 0.01 | 0.24 | 0.04 | 0.12 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 |
| 29 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 0.24 | 0.00 | 0.01 | 0.15 | 0.02 | 0.07 | 0.01 | 0.01 | 0.21 | 0.03 | 0.10 | 0.00 | 0.02 | 0.24 | 0.04 | 0.12 |
| 30 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.23 | 0.02 | 0.00 | 0.23 | 0.04 | 0.12 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 31 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.23 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.02 | 0.00 | 0.23 | 0.04 | 0.11 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 |
| 32 | PA | Penn State Univ | 3186811 | S01 | L | 0.22 | 0.02 | 0.00 | 0.22 | 0.03 | 0.11 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 33 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.22 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.02 | 0.00 | 0.22 | 0.03 | 0.11 | 0.01 | 0.00 | 0.20 | 0.03 | 0.10 |
| 34 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.21 | 0.02 | 0.00 | 0.21 | 0.03 | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 35 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 0.21 | 0.00 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 | 0.01 | 0.01 | 0.19 | 0.03 | 0.09 |
| 36 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.21 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 | 0.00 | 0.02 | 0.21 | 0.03 | 0.11 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 37 | OH | The Medical Center Company (1318003059 | 8252111 | 184509 | L | 0.21 | 0.02 | 0.00 | 0.21 | 0.03 | 0.10 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 |
| 38 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.20 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 | 0.00 | 0.01 | 0.20 | 0.03 | 0.10 | 0.00 | 0.01 | 0.11 | 0.02 | 0.05 |
| 39 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.19 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.01 | 0.16 | 0.02 | 0.08 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 |
| 40 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.19 | 0.01 | 0.00 | 0.19 | 0.03 | 0.09 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 0.17 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 |
| 42 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.17 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 | 0.01 | 0.00 | 0.17 | 0.03 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 |
| 43 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 0.16 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.00 | 0.01 | 0.16 | 0.03 | 0.08 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 44 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 0.16 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.01 | 0.16 | 0.03 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 |
| 45 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.16 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 46 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.15 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 47 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.15 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 48 | VA | Smurfit Stone Container Corporation - West | 4182011 | 7 | L | 0.15 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.15 | 0.02 | 0.07 |
| 49 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.14 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 50 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.14 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 51 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.14 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 |
| 52 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.13 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 |
| 53 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 54 | NY | FINCH PAPER LLC | 8325211 | | S | 0.13 | 0.00 | 0.01 | 0.09 | 0.01 | 0.05 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 |
| 55 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 56 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 57 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.13 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.01 | 0.13 | 0.02 | 0.07 |
| 58 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.13 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 59 | OH | Cargill, Incorporated - Salt Division (Akron, | 7416411 | 250250 | L | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.06 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 60 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.12 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 61 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.12 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 62 | VA | Roanoke Cement Company | 5039811 | 4 | L | 0.12 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 63 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 64 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.12 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 65 | IN | Citizens Thermal | 4885311 | 4 | L | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 66 | OH | City of Akron Steam Generating (16770107 | 8170411 | 253630 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 67 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.11 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 68 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.11 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.11 | 0.02 | 0.06 |
| 69 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.11 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 70 | IN | Citizens Thermal | 4885311 | 1 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 71 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.11 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 72 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 73 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 74 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 75 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 76 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.11 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.11 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 |
| 77 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.10 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 78 | VA | GP Big Island LLC | 4183311 | 1 | L | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 79 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.10 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 80 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 1 | L | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.10 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 |
| 82 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | 59727 | L | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 83 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 84 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 85 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 86 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 87 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 88 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 |
| 89 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.03 |
| 90 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 91 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 92 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.08 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 93 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.08 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 94 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 95 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 |
| 96 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.08 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 97 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.07 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 98 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 99 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 0.07 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 100 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 101 | VA | Smurfit Stone Container Corporation - West | 4182011 | 4 | L | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 102 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 103 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.06 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 104 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.06 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 105 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 106 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.06 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 107 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.06 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 108 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.06 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 109 | VA | Smurfit Stone Container Corporation - West | 4182011 | 2 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 110 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 111 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.06 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 112 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 113 | VA | Smurfit Stone Container Corporation - West | 4182011 | | S | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 114 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.05 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 115 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 116 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 117 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 118 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | 1 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 119 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 2 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 120 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.05 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 122 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 123 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 124 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 125 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | | S | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 126 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 127 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 128 | NY | NORLITE CORP | 8090911 | | S | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 129 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 130 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | | S | 0.03 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 131 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | | S | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 132 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 133 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| 134 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 135 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## F.29 2011 ICI Ranking Visibility Impairing Sources to Presidential/Dry River

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Large or Small? | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 3.56 | 0.211 | 0.017 | **2.690** | 0.428 | **1.316** | 0.21 | 0.06 | **3.11** | 0.49 | **1.51** | 0.28 | 0.02 | **3.56** | 0.56 | **1.71** |
| 2 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 3.50 | 0.209 | 0.016 | **2.648** | 0.422 | **1.297** | 0.20 | 0.06 | **3.05** | 0.48 | **1.48** | 0.27 | 0.02 | **3.50** | 0.55 | **1.68** |
| 3 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 2.63 | 0.005 | 0.027 | 0.375 | 0.061 | 0.194 | 0.02 | 0.20 | **2.63** | 0.42 | **1.29** | 0.01 | 0.05 | 0.72 | 0.12 | 0.37 |
| 4 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 1.78 | 0.095 | 0.056 | **1.783** | 0.286 | 0.891 | 0.04 | 0.06 | **1.10** | 0.18 | 0.56 | 0.05 | 0.07 | **1.46** | 0.24 | 0.74 |
| 5 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 1.33 | 0.002 | 0.024 | 0.302 | 0.049 | 0.157 | 0.01 | 0.10 | **1.33** | 0.21 | 0.67 | 0.00 | 0.06 | 0.84 | 0.14 | 0.43 |
| 6 | OH | P. H. Glatfelter Company - Chillicothe Facil | 8131111 | 147671 | L | 1.19 | 0.098 | 0.004 | **1.193** | 0.192 | 0.605 | 0.07 | 0.01 | 0.94 | 0.15 | 0.48 | 0.05 | 0.01 | 0.71 | 0.11 | 0.36 |
| 7 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 1.07 | 0.003 | 0.019 | 0.269 | 0.044 | 0.140 | 0.01 | 0.08 | **1.07** | 0.17 | 0.54 | 0.00 | 0.07 | 0.88 | 0.14 | 0.45 |
| 8 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 0.90 | 0.021 | 0.008 | 0.339 | 0.055 | 0.176 | 0.03 | 0.02 | 0.59 | 0.10 | 0.30 | 0.03 | 0.04 | 0.90 | 0.15 | 0.46 |
| 9 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.84 | 0.000 | 0.010 | 0.120 | 0.020 | 0.063 | 0.00 | 0.07 | 0.84 | 0.14 | 0.43 | 0.00 | 0.04 | 0.46 | 0.07 | 0.24 |
| 10 | NY | INTERNATIONAL PAPER TICONDEROGA MI | 7991711 | 44 | L | 0.77 | 0.011 | 0.012 | 0.279 | 0.045 | 0.145 | 0.04 | 0.03 | 0.77 | 0.13 | 0.40 | 0.02 | 0.02 | 0.46 | 0.07 | 0.24 |
| 11 | NY | FINCH PAPER LLC | 8325211 | | S | 0.72 | 0.000 | 0.014 | 0.168 | 0.027 | 0.087 | 0.00 | 0.06 | 0.72 | 0.12 | 0.37 | 0.00 | 0.04 | 0.45 | 0.07 | 0.23 |
| 12 | NY | ALCOA MASSENA OPERATIONS (WEST PLA | 7968211 | SA398 | L | 0.69 | 0.020 | 0.001 | 0.249 | 0.040 | 0.129 | 0.06 | 0.00 | 0.69 | 0.11 | 0.35 | 0.03 | 0.00 | 0.37 | 0.06 | 0.19 |
| 13 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 0.58 | 0.033 | 0.005 | 0.444 | 0.072 | 0.230 | 0.03 | 0.02 | 0.57 | 0.09 | 0.29 | 0.04 | 0.01 | 0.58 | 0.09 | 0.30 |
| 14 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 0.53 | 0.014 | 0.004 | 0.213 | 0.035 | 0.111 | 0.04 | 0.01 | 0.53 | 0.09 | 0.27 | 0.02 | 0.01 | 0.39 | 0.06 | 0.20 |
| 15 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.45 | 0.006 | 0.006 | 0.142 | 0.023 | 0.074 | 0.02 | 0.02 | 0.45 | 0.07 | 0.23 | 0.01 | 0.01 | 0.24 | 0.04 | 0.12 |
| 16 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 0.41 | 0.001 | 0.008 | 0.112 | 0.018 | 0.058 | 0.00 | 0.03 | 0.41 | 0.07 | 0.21 | 0.00 | 0.01 | 0.17 | 0.03 | 0.09 |
| 17 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.40 | 0.003 | 0.003 | 0.075 | 0.012 | 0.039 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.00 | 0.03 | 0.40 | 0.06 | 0.20 |
| 18 | IN | Indiana Harbor East | 3986511 | | S | 0.38 | 0.004 | 0.005 | 0.108 | 0.018 | 0.056 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.02 | 0.38 | 0.06 | 0.20 |
| 19 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 0.38 | 0.008 | 0.005 | 0.149 | 0.024 | 0.078 | 0.01 | 0.02 | 0.38 | 0.06 | 0.20 | 0.01 | 0.01 | 0.16 | 0.03 | 0.08 |
| 20 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.36 | 0.009 | 0.001 | 0.126 | 0.021 | 0.066 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.03 | 0.00 | 0.36 | 0.06 | 0.19 |
| 21 | ME | Madison Paper | 5253911 | | S | 0.36 | 0.004 | 0.003 | 0.078 | 0.013 | 0.041 | 0.01 | 0.02 | 0.30 | 0.05 | 0.16 | 0.01 | 0.02 | 0.36 | 0.06 | 0.18 |
| 22 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLE | 6582211 | S73 | L | 0.35 | 0.005 | 0.003 | 0.098 | 0.016 | 0.051 | 0.01 | 0.02 | 0.35 | 0.06 | 0.18 | 0.01 | 0.01 | 0.20 | 0.03 | 0.10 |
| 23 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.34 | 0.012 | 0.008 | 0.237 | 0.039 | 0.123 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 | 0.01 | 0.02 | 0.34 | 0.06 | 0.18 |
| 24 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.32 | 0.003 | 0.005 | 0.100 | 0.016 | 0.052 | 0.01 | 0.01 | 0.22 | 0.04 | 0.11 | 0.01 | 0.02 | 0.32 | 0.05 | 0.17 |
| 25 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.32 | 0.008 | 0.001 | 0.099 | 0.016 | 0.051 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.03 | 0.00 | 0.32 | 0.05 | 0.17 |
| 26 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.31 | 0.003 | 0.003 | 0.078 | 0.013 | 0.041 | 0.01 | 0.01 | 0.31 | 0.05 | 0.16 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 |
| 27 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.30 | 0.003 | 0.003 | 0.064 | 0.010 | 0.033 | 0.01 | 0.01 | 0.30 | 0.05 | 0.15 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 |
| 28 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.29 | 0.018 | 0.002 | 0.233 | 0.038 | 0.121 | 0.01 | 0.00 | 0.20 | 0.03 | 0.11 | 0.02 | 0.01 | 0.29 | 0.05 | 0.15 |
| 29 | MD | Sparrows Point, LLC | 8239711 | | S | 0.29 | 0.007 | 0.005 | 0.138 | 0.022 | 0.072 | 0.01 | 0.02 | 0.29 | 0.05 | 0.15 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 |
| 30 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.28 | 0.004 | 0.008 | 0.140 | 0.023 | 0.073 | 0.01 | 0.01 | 0.16 | 0.03 | 0.08 | 0.01 | 0.01 | 0.28 | 0.05 | 0.15 |
| 31 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 0.28 | 0.008 | 0.008 | 0.195 | 0.032 | 0.101 | 0.00 | 0.02 | 0.28 | 0.05 | 0.14 | 0.00 | 0.01 | 0.16 | 0.03 | 0.08 |
| 32 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 0.28 | 0.011 | 0.003 | 0.174 | 0.028 | 0.091 | 0.01 | 0.01 | 0.28 | 0.04 | 0.14 | 0.01 | 0.00 | 0.21 | 0.03 | 0.11 |
| 33 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.27 | 0.005 | 0.002 | 0.081 | 0.013 | 0.042 | 0.01 | 0.01 | 0.27 | 0.04 | 0.14 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 |
| 34 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.25 | 0.012 | 0.002 | 0.155 | 0.025 | 0.081 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 |
| 35 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFIN | 7873611 | S60 | L | 0.25 | 0.005 | 0.003 | 0.092 | 0.015 | 0.048 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 |
| 36 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 0.25 | 0.008 | 0.004 | 0.144 | 0.023 | 0.075 | 0.01 | 0.01 | 0.22 | 0.04 | 0.11 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 |
| 37 | PA | Penn State Univ | 3186811 | S01 | L | 0.25 | 0.013 | 0.002 | 0.187 | 0.030 | 0.097 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 |
| 38 | OH | The Medical Center Company (1318003059 | 8252111 | 184509 | L | 0.24 | 0.011 | 0.001 | 0.145 | 0.024 | 0.076 | 0.02 | 0.00 | 0.24 | 0.04 | 0.12 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 |
| 39 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.23 | 0.006 | 0.009 | 0.185 | 0.030 | 0.096 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 |
| 40 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.22 | 0.010 | 0.001 | 0.129 | 0.021 | 0.067 | 0.01 | 0.00 | 0.22 | 0.04 | 0.11 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.22 | 0.013 | 0.002 | 0.171 | 0.028 | 0.089 | 0.01 | 0.01 | 0.20 | 0.03 | 0.10 | 0.02 | 0.00 | 0.22 | 0.04 | 0.11 |
| 42 | ME | WOODLAND PULP LLC | 5974211 | | S | 0.22 | 0.002 | 0.007 | 0.112 | 0.018 | 0.058 | 0.00 | 0.02 | 0.22 | 0.04 | 0.11 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 |
| 43 | ME | FMC BIOPOLYMER | 5692011 | | S | 0.22 | 0.005 | 0.005 | 0.121 | 0.020 | 0.063 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 | 0.01 | 0.01 | 0.22 | 0.04 | 0.11 |
| 44 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.20 | 0.010 | 0.000 | 0.121 | 0.020 | 0.063 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.02 | 0.00 | 0.20 | 0.03 | 0.10 |
| 45 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.20 | 0.004 | 0.004 | 0.090 | 0.015 | 0.047 | 0.01 | 0.01 | 0.20 | 0.03 | 0.10 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 |
| 46 | VA | GP Big Island LLC | 4183311 | 1 | L | 0.19 | 0.006 | 0.001 | 0.090 | 0.015 | 0.047 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.01 | 0.00 | 0.19 | 0.03 | 0.10 |
| 47 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.18 | 0.001 | 0.003 | 0.053 | 0.009 | 0.028 | 0.00 | 0.01 | 0.18 | 0.03 | 0.09 | 0.00 | 0.01 | 0.16 | 0.03 | 0.08 |
| 48 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.18 | 0.014 | 0.001 | 0.179 | 0.029 | 0.093 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 49 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.17 | 0.001 | 0.003 | 0.052 | 0.008 | 0.027 | 0.00 | 0.01 | 0.17 | 0.03 | 0.09 | 0.00 | 0.01 | 0.16 | 0.03 | 0.08 |
| 50 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 0.17 | 0.007 | 0.002 | 0.102 | 0.017 | 0.053 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 |
| 51 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.17 | 0.002 | 0.002 | 0.053 | 0.009 | 0.028 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 |
| 52 | VA | Roanoke Cement Company | 5039811 | 4 | L | 0.17 | 0.005 | 0.003 | 0.098 | 0.016 | 0.051 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 |
| 53 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.16 | 0.005 | 0.000 | 0.065 | 0.011 | 0.034 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 54 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.16 | 0.003 | 0.002 | 0.060 | 0.010 | 0.031 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.01 | 0.16 | 0.03 | 0.08 |
| 55 | IN | Citizens Thermal | 4885311 | 4 | L | 0.16 | 0.009 | 0.001 | 0.126 | 0.020 | 0.066 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 56 | IN | Citizens Thermal | 4885311 | 1 | L | 0.16 | 0.010 | 0.001 | 0.126 | 0.021 | 0.066 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 57 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.16 | 0.003 | 0.002 | 0.056 | 0.009 | 0.029 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.01 | 0.16 | 0.03 | 0.08 |
| 58 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.15 | 0.006 | 0.003 | 0.098 | 0.016 | 0.051 | 0.00 | 0.01 | 0.15 | 0.02 | 0.08 | 0.00 | 0.00 | 0.09 | 0.02 | 0.05 |
| 59 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.15 | 0.006 | 0.002 | 0.092 | 0.015 | 0.048 | 0.01 | 0.01 | 0.15 | 0.02 | 0.08 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 60 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.15 | 0.010 | 0.002 | 0.147 | 0.024 | 0.076 | 0.01 | 0.01 | 0.13 | 0.02 | 0.07 | 0.01 | 0.01 | 0.13 | 0.02 | 0.07 |
| 61 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.14 | 0.006 | 0.001 | 0.078 | 0.013 | 0.041 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 62 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.14 | 0.009 | 0.003 | 0.138 | 0.022 | 0.072 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 63 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.13 | 0.009 | 0.000 | 0.105 | 0.017 | 0.055 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 |
| 64 | OH | City of Akron Steam Generating (16770107 | 8170411 | 253630 | L | 0.13 | 0.007 | 0.001 | 0.085 | 0.014 | 0.044 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 65 | OH | Cargill, Incorporated - Salt Division (Akron, | 7416411 | 250250 | L | 0.13 | 0.008 | 0.001 | 0.099 | 0.016 | 0.052 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 66 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.12 | 0.010 | 0.001 | 0.124 | 0.020 | 0.065 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 67 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.12 | 0.010 | 0.000 | 0.121 | 0.020 | 0.063 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 68 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.12 | 0.010 | 0.000 | 0.120 | 0.020 | 0.063 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 69 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.12 | 0.004 | 0.000 | 0.049 | 0.008 | 0.026 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 70 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.12 | 0.009 | 0.000 | 0.110 | 0.018 | 0.057 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 71 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.12 | 0.009 | 0.001 | 0.117 | 0.019 | 0.061 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 72 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.12 | 0.009 | 0.001 | 0.117 | 0.019 | 0.061 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 73 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.12 | 0.001 | 0.002 | 0.032 | 0.005 | 0.017 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 |
| 74 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.11 | 0.009 | 0.001 | 0.113 | 0.018 | 0.059 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 75 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.11 | 0.004 | 0.004 | 0.099 | 0.016 | 0.051 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 76 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.11 | 0.003 | 0.001 | 0.051 | 0.008 | 0.027 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 77 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.11 | 0.001 | 0.002 | 0.035 | 0.006 | 0.018 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 78 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.10 | 0.005 | 0.001 | 0.078 | 0.013 | 0.040 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 79 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.10 | 0.008 | 0.001 | 0.104 | 0.017 | 0.054 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 80 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.10 | 0.007 | 0.001 | 0.104 | 0.017 | 0.054 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | 59727 | L | 0.10 | 0.009 | 0.000 | 0.103 | 0.017 | 0.054 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 |
| 82 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.10 | 0.008 | 0.000 | 0.098 | 0.016 | 0.051 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 83 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 1 | L | 0.10 | 0.007 | 0.000 | 0.084 | 0.014 | 0.044 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 84 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.09 | 0.008 | 0.000 | 0.095 | 0.015 | 0.049 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 85 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.09 | 0.008 | 0.000 | 0.095 | 0.015 | 0.049 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 86 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.09 | 0.001 | 0.001 | 0.030 | 0.005 | 0.016 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.01 | 0.09 | 0.02 | 0.05 |
| 87 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | 1 | L | 0.09 | 0.004 | 0.000 | 0.054 | 0.009 | 0.028 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 88 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.09 | 0.007 | 0.001 | 0.094 | 0.015 | 0.049 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 89 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.09 | 0.007 | 0.001 | 0.093 | 0.015 | 0.049 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 90 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.09 | 0.005 | 0.001 | 0.064 | 0.010 | 0.034 | 0.01 | 0.00 | 0.09 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 91 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.08 | 0.007 | 0.000 | 0.084 | 0.014 | 0.044 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 92 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 0.08 | 0.001 | 0.002 | 0.029 | 0.005 | 0.015 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 93 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.08 | 0.002 | 0.003 | 0.058 | 0.009 | 0.030 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 94 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.08 | 0.004 | 0.001 | 0.050 | 0.008 | 0.026 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 95 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.08 | 0.004 | 0.000 | 0.052 | 0.008 | 0.027 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 96 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.08 | 0.006 | 0.001 | 0.077 | 0.012 | 0.040 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 97 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.08 | 0.006 | 0.000 | 0.076 | 0.012 | 0.040 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 98 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.07 | 0.003 | 0.001 | 0.045 | 0.007 | 0.024 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 99 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.07 | 0.004 | 0.000 | 0.055 | 0.009 | 0.029 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 100 | VA | Smurfit Stone Container Corporation - West | 4182011 | 4 | L | 0.07 | 0.000 | 0.004 | 0.053 | 0.009 | 0.028 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.07 | 0.01 | 0.04 |
| 101 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.07 | 0.006 | 0.000 | 0.071 | 0.012 | 0.037 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.03 |
| 102 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.07 | 0.002 | 0.000 | 0.027 | 0.004 | 0.014 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 103 | NY | NORLITE CORP | 8090911 | | S | 0.07 | 0.002 | 0.001 | 0.039 | 0.006 | 0.020 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 104 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.07 | 0.002 | 0.001 | 0.025 | 0.004 | 0.013 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 105 | VA | Smurfit Stone Container Corporation - West | 4182011 | 2 | L | 0.07 | 0.000 | 0.006 | 0.068 | 0.011 | 0.036 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.01 | 0.07 | 0.01 | 0.03 |
| 106 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.07 | 0.002 | 0.000 | 0.026 | 0.004 | 0.014 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 107 | VA | Smurfit Stone Container Corporation - West | 4182011 | | S | 0.07 | 0.000 | 0.006 | 0.068 | 0.011 | 0.035 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.01 | 0.06 | 0.01 | 0.03 |
| 108 | VA | Smurfit Stone Container Corporation - West | 4182011 | 7 | L | 0.07 | 0.005 | 0.000 | 0.064 | 0.010 | 0.033 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.03 |
| 109 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.07 | 0.001 | 0.001 | 0.030 | 0.005 | 0.016 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 110 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.07 | 0.001 | 0.001 | 0.030 | 0.005 | 0.016 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 111 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.06 | 0.002 | 0.001 | 0.040 | 0.006 | 0.021 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 112 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.06 | 0.002 | 0.001 | 0.040 | 0.006 | 0.021 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 113 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.06 | 0.005 | 0.000 | 0.059 | 0.010 | 0.031 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 114 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.06 | 0.005 | 0.000 | 0.060 | 0.010 | 0.031 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 115 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.06 | 0.002 | 0.000 | 0.023 | 0.004 | 0.012 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 116 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.06 | 0.004 | 0.000 | 0.056 | 0.009 | 0.029 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 117 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.05 | 0.003 | 0.001 | 0.040 | 0.006 | 0.021 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 118 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.05 | 0.004 | 0.001 | 0.051 | 0.008 | 0.027 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 119 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.05 | 0.004 | 0.000 | 0.053 | 0.009 | 0.028 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 120 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.05 | 0.001 | 0.001 | 0.019 | 0.003 | 0.010 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 121 | ME | THE JACKSON LABORATORY | 7945211 | | S | 0.05 | 0.000 | 0.004 | 0.049 | 0.008 | 0.025 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 122 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.05 | 0.003 | 0.001 | 0.047 | 0.008 | 0.024 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 123 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 2 | L | 0.05 | 0.002 | 0.002 | 0.036 | 0.006 | 0.019 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 124 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.04 | 0.003 | 0.000 | 0.040 | 0.006 | 0.021 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 125 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.04 | 0.002 | 0.001 | 0.038 | 0.006 | 0.020 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 126 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | | S | 0.04 | 0.002 | 0.001 | 0.026 | 0.004 | 0.014 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 127 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.04 | 0.003 | 0.000 | 0.036 | 0.006 | 0.019 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 128 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.03 | 0.002 | 0.000 | 0.025 | 0.004 | 0.013 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 129 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.03 | 0.002 | 0.000 | 0.022 | 0.004 | 0.012 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 130 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | | S | 0.03 | 0.000 | 0.002 | 0.026 | 0.004 | 0.014 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 131 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.02 | 0.001 | 0.001 | 0.016 | 0.003 | 0.008 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 132 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | | S | 0.02 | 0.001 | 0.000 | 0.018 | 0.003 | 0.009 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 133 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.01 | 0.000 | 0.000 | 0.005 | 0.001 | 0.003 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 134 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 0.01 | 0.000 | 0.000 | 0.007 | 0.001 | 0.004 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 135 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.00 | 0.000 | 0.000 | 0.001 | 0.000 | 0.001 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.00 | 0.000 | 0.000 | 0.001 | 0.000 | 0.001 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## F.30 2011 ICI Ranking Visibility Impairing Sources to Dolly Sods

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Large or Small? | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 43.83 | **1.65** | 0.51 | **25.87** | **3.57** | **8.66** | **1.46** | 0.61 | **24.62** | **3.42** | **8.37** | **3.00** | 0.55 | **43.83** | **5.44** | **12.01** |
| 2 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 43.06 | **1.63** | 0.49 | **25.35** | **3.51** | **8.54** | **1.44** | 0.59 | **24.10** | **3.36** | **8.26** | **2.96** | 0.53 | **43.06** | **5.37** | **11.89** |
| 3 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 3.90 | 0.08 | 0.18 | **3.04** | 0.49 | **1.50** | 0.11 | 0.22 | **3.90** | 0.63 | **1.89** | 0.13 | 0.11 | **2.71** | 0.44 | **1.35** |
| 4 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 2.80 | 0.13 | 0.05 | **2.06** | 0.34 | **1.04** | 0.12 | 0.12 | **2.80** | 0.45 | **1.39** | 0.14 | 0.05 | **2.30** | 0.38 | **1.16** |
| 5 | OH | P. H. Glatfelter Company - Chillicothe Facil | 8131111 | 147671 | L | 2.68 | 0.17 | 0.03 | **2.30** | 0.38 | **1.16** | 0.18 | 0.02 | **2.34** | 0.38 | **1.18** | 0.21 | 0.02 | **2.68** | 0.44 | **1.34** |
| 6 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 2.30 | 0.02 | 0.10 | **1.37** | 0.23 | 0.71 | 0.02 | 0.11 | **1.53** | 0.25 | 0.79 | 0.02 | 0.18 | **2.30** | 0.38 | **1.16** |
| 7 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 1.81 | 0.03 | 0.04 | 0.85 | 0.14 | 0.45 | 0.07 | 0.08 | **1.81** | 0.30 | 0.92 | 0.05 | 0.05 | **1.19** | 0.20 | 0.61 |
| 8 | VA | Roanoke Cement Company | 5039811 | 4 | L | 1.59 | 0.02 | 0.03 | 0.56 | 0.09 | 0.30 | 0.04 | 0.09 | **1.59** | 0.26 | 0.81 | 0.02 | 0.04 | 0.74 | 0.12 | 0.39 |
| 9 | VA | GP Big Island LLC | 4183311 | 1 | L | 1.11 | 0.03 | 0.01 | 0.52 | 0.09 | 0.28 | 0.05 | 0.04 | **1.11** | 0.18 | 0.58 | 0.05 | 0.02 | 0.74 | 0.12 | 0.39 |
| 10 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 1.05 | 0.03 | 0.02 | 0.56 | 0.09 | 0.29 | 0.07 | 0.02 | **1.05** | 0.17 | 0.55 | 0.03 | 0.01 | 0.46 | 0.08 | 0.24 |
| 11 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.94 | 0.05 | 0.01 | 0.76 | 0.13 | 0.40 | 0.04 | 0.02 | 0.75 | 0.12 | 0.39 | 0.07 | 0.02 | 0.94 | 0.16 | 0.49 |
| 12 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 0.91 | 0.00 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.07 | 0.91 | 0.15 | 0.48 | 0.00 | 0.02 | 0.29 | 0.05 | 0.15 |
| 13 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 0.89 | 0.01 | 0.01 | 0.30 | 0.05 | 0.16 | 0.06 | 0.01 | 0.82 | 0.13 | 0.43 | 0.05 | 0.03 | 0.89 | 0.15 | 0.46 |
| 14 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 0.85 | 0.03 | 0.02 | 0.62 | 0.10 | 0.33 | 0.05 | 0.02 | 0.85 | 0.14 | 0.44 | 0.03 | 0.04 | 0.76 | 0.13 | 0.40 |
| 15 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 0.83 | 0.03 | 0.03 | 0.71 | 0.12 | 0.37 | 0.02 | 0.05 | 0.83 | 0.14 | 0.43 | 0.03 | 0.04 | 0.80 | 0.13 | 0.42 |
| 16 | MD | Sparrows Point, LLC | 8239711 | | S | 0.79 | 0.01 | 0.05 | 0.79 | 0.13 | 0.41 | 0.01 | 0.03 | 0.47 | 0.08 | 0.25 | 0.02 | 0.04 | 0.73 | 0.12 | 0.38 |
| 17 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.68 | 0.03 | 0.03 | 0.68 | 0.11 | 0.36 | 0.01 | 0.04 | 0.60 | 0.10 | 0.31 | 0.02 | 0.02 | 0.45 | 0.07 | 0.24 |
| 18 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFIN | 7873611 | S60 | L | 0.66 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 | 0.02 | 0.03 | 0.66 | 0.11 | 0.35 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 |
| 19 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.64 | 0.00 | 0.05 | 0.64 | 0.11 | 0.34 | 0.00 | 0.03 | 0.45 | 0.07 | 0.24 | 0.00 | 0.03 | 0.43 | 0.07 | 0.23 |
| 20 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.63 | 0.02 | 0.02 | 0.53 | 0.09 | 0.28 | 0.02 | 0.03 | 0.63 | 0.10 | 0.33 | 0.02 | 0.02 | 0.44 | 0.07 | 0.23 |
| 21 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.61 | 0.00 | 0.05 | 0.61 | 0.10 | 0.32 | 0.00 | 0.03 | 0.43 | 0.07 | 0.23 | 0.00 | 0.03 | 0.41 | 0.07 | 0.22 |
| 22 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.58 | 0.03 | 0.01 | 0.40 | 0.07 | 0.21 | 0.04 | 0.01 | 0.58 | 0.10 | 0.30 | 0.02 | 0.01 | 0.35 | 0.06 | 0.18 |
| 23 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 0.57 | 0.02 | 0.01 | 0.27 | 0.05 | 0.14 | 0.03 | 0.02 | 0.57 | 0.09 | 0.30 | 0.02 | 0.02 | 0.47 | 0.08 | 0.25 |
| 24 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.57 | 0.02 | 0.01 | 0.30 | 0.05 | 0.16 | 0.04 | 0.01 | 0.57 | 0.09 | 0.30 | 0.03 | 0.00 | 0.43 | 0.07 | 0.23 |
| 25 | PA | Penn State Univ | 3186811 | S01 | L | 0.54 | 0.02 | 0.01 | 0.31 | 0.05 | 0.16 | 0.03 | 0.01 | 0.51 | 0.08 | 0.27 | 0.03 | 0.02 | 0.54 | 0.09 | 0.29 |
| 26 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.52 | 0.02 | 0.01 | 0.33 | 0.05 | 0.17 | 0.03 | 0.02 | 0.52 | 0.09 | 0.28 | 0.02 | 0.02 | 0.44 | 0.07 | 0.23 |
| 27 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.50 | 0.03 | 0.01 | 0.50 | 0.08 | 0.26 | 0.02 | 0.01 | 0.40 | 0.07 | 0.21 | 0.02 | 0.01 | 0.33 | 0.05 | 0.18 |
| 28 | IN | Indiana Harbor East | 3986511 | | S | 0.49 | 0.01 | 0.03 | 0.45 | 0.07 | 0.24 | 0.01 | 0.03 | 0.49 | 0.08 | 0.26 | 0.01 | 0.02 | 0.34 | 0.06 | 0.18 |
| 29 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.49 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 | 0.04 | 0.00 | 0.49 | 0.08 | 0.26 | 0.03 | 0.00 | 0.37 | 0.06 | 0.19 |
| 30 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.47 | 0.01 | 0.00 | 0.20 | 0.03 | 0.11 | 0.03 | 0.01 | 0.47 | 0.08 | 0.25 | 0.02 | 0.01 | 0.27 | 0.05 | 0.14 |
| 31 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.46 | 0.01 | 0.01 | 0.28 | 0.05 | 0.15 | 0.01 | 0.03 | 0.46 | 0.08 | 0.24 | 0.01 | 0.02 | 0.36 | 0.06 | 0.19 |
| 32 | OH | The Medical Center Company (1318003059 | 8252111 | 184509 | L | 0.45 | 0.03 | 0.00 | 0.41 | 0.07 | 0.22 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.04 | 0.00 | 0.45 | 0.07 | 0.24 |
| 33 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.44 | 0.01 | 0.02 | 0.39 | 0.07 | 0.21 | 0.01 | 0.03 | 0.44 | 0.07 | 0.23 | 0.01 | 0.02 | 0.33 | 0.05 | 0.17 |
| 34 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.44 | 0.02 | 0.00 | 0.31 | 0.05 | 0.16 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 | 0.04 | 0.00 | 0.44 | 0.07 | 0.23 |
| 35 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.44 | 0.02 | 0.00 | 0.31 | 0.05 | 0.16 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 | 0.04 | 0.00 | 0.44 | 0.07 | 0.23 |
| 36 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.42 | 0.03 | 0.01 | 0.38 | 0.06 | 0.20 | 0.02 | 0.02 | 0.42 | 0.07 | 0.22 | 0.02 | 0.01 | 0.33 | 0.05 | 0.18 |
| 37 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.41 | 0.03 | 0.01 | 0.41 | 0.07 | 0.22 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 |
| 38 | IN | Citizens Thermal | 4885311 | 4 | L | 0.40 | 0.02 | 0.01 | 0.40 | 0.07 | 0.21 | 0.02 | 0.01 | 0.31 | 0.05 | 0.16 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 |
| 39 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.39 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.03 | 0.00 | 0.39 | 0.07 | 0.21 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 40 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.39 | 0.01 | 0.01 | 0.29 | 0.05 | 0.15 | 0.01 | 0.01 | 0.29 | 0.05 | 0.15 | 0.01 | 0.03 | 0.39 | 0.06 | 0.21 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.39 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 | 0.03 | 0.00 | 0.39 | 0.06 | 0.21 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 |
| 42 | OH | Cargill, Incorporated - Salt Division (Akron, | 7416411 | 250250 | L | 0.37 | 0.03 | 0.01 | 0.37 | 0.06 | 0.20 | 0.02 | 0.00 | 0.22 | 0.04 | 0.11 | 0.03 | 0.00 | 0.35 | 0.06 | 0.18 |
| 43 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.37 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 | 0.02 | 0.01 | 0.37 | 0.06 | 0.20 | 0.01 | 0.01 | 0.27 | 0.04 | 0.14 |
| 44 | IN | Citizens Thermal | 4885311 | 1 | L | 0.35 | 0.02 | 0.01 | 0.35 | 0.06 | 0.19 | 0.02 | 0.01 | 0.26 | 0.04 | 0.14 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 |
| 45 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.33 | 0.02 | 0.01 | 0.28 | 0.05 | 0.15 | 0.02 | 0.01 | 0.28 | 0.05 | 0.15 | 0.02 | 0.01 | 0.33 | 0.06 | 0.18 |
| 46 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.33 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.01 | 0.02 | 0.33 | 0.05 | 0.17 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 |
| 47 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.33 | 0.02 | 0.01 | 0.30 | 0.05 | 0.16 | 0.02 | 0.01 | 0.33 | 0.05 | 0.17 | 0.02 | 0.01 | 0.24 | 0.04 | 0.13 |
| 48 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.32 | 0.02 | 0.01 | 0.25 | 0.04 | 0.14 | 0.02 | 0.01 | 0.32 | 0.05 | 0.17 | 0.02 | 0.01 | 0.25 | 0.04 | 0.13 |
| 49 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.30 | 0.03 | 0.00 | 0.30 | 0.05 | 0.16 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 | 0.02 | 0.00 | 0.26 | 0.04 | 0.14 |
| 50 | OH | City of Akron Steam Generating (16770107 | 8170411 | 253630 | L | 0.30 | 0.02 | 0.01 | 0.30 | 0.05 | 0.16 | 0.01 | 0.00 | 0.20 | 0.03 | 0.11 | 0.02 | 0.00 | 0.29 | 0.05 | 0.15 |
| 51 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.29 | 0.02 | 0.00 | 0.27 | 0.05 | 0.14 | 0.02 | 0.00 | 0.29 | 0.05 | 0.16 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 |
| 52 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.29 | 0.02 | 0.00 | 0.27 | 0.05 | 0.14 | 0.02 | 0.00 | 0.29 | 0.05 | 0.16 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 |
| 53 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.29 | 0.02 | 0.00 | 0.28 | 0.05 | 0.15 | 0.02 | 0.01 | 0.29 | 0.05 | 0.16 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 54 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.29 | 0.02 | 0.01 | 0.26 | 0.04 | 0.14 | 0.02 | 0.01 | 0.29 | 0.05 | 0.15 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 |
| 55 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.28 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 | 0.02 | 0.00 | 0.28 | 0.05 | 0.15 | 0.02 | 0.00 | 0.27 | 0.04 | 0.14 |
| 56 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLE | 6582211 | S73 | L | 0.27 | 0.01 | 0.01 | 0.14 | 0.02 | 0.08 | 0.01 | 0.01 | 0.27 | 0.05 | 0.14 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 |
| 57 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.27 | 0.01 | 0.01 | 0.27 | 0.04 | 0.14 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.00 | 0.20 | 0.03 | 0.11 |
| 58 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.26 | 0.02 | 0.00 | 0.26 | 0.04 | 0.14 | 0.01 | 0.00 | 0.21 | 0.03 | 0.11 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 |
| 59 | NY | ALCOA MASSENA OPERATIONS (WEST PLA | 7968211 | SA398 | L | 0.26 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.02 | 0.00 | 0.26 | 0.04 | 0.14 |
| 60 | VA | Smurfit Stone Container Corporation - West | 4182011 | 4 | L | 0.25 | 0.00 | 0.02 | 0.25 | 0.04 | 0.13 | 0.00 | 0.01 | 0.09 | 0.01 | 0.05 | 0.00 | 0.01 | 0.14 | 0.02 | 0.08 |
| 61 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 1 | L | 0.25 | 0.02 | 0.00 | 0.21 | 0.03 | 0.11 | 0.02 | 0.00 | 0.23 | 0.04 | 0.12 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 |
| 62 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.25 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 63 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.24 | 0.02 | 0.00 | 0.17 | 0.03 | 0.09 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 |
| 64 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.24 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.02 | 0.00 | 0.21 | 0.03 | 0.11 |
| 65 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.24 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.02 | 0.00 | 0.21 | 0.03 | 0.11 |
| 66 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | 1 | L | 0.24 | 0.02 | 0.00 | 0.23 | 0.04 | 0.12 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 |
| 67 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.24 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 |
| 68 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.24 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 |
| 69 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.21 | 0.01 | 0.01 | 0.21 | 0.04 | 0.11 | 0.01 | 0.01 | 0.21 | 0.04 | 0.11 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 |
| 70 | VA | Smurfit Stone Container Corporation - West | 4182011 | 2 | L | 0.21 | 0.00 | 0.02 | 0.21 | 0.04 | 0.11 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 |
| 71 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.21 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.02 | 0.00 | 0.21 | 0.03 | 0.11 | 0.01 | 0.00 | 0.19 | 0.03 | 0.10 |
| 72 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.21 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 |
| 73 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.21 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 |
| 74 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.20 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.20 | 0.03 | 0.11 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 |
| 75 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 0.19 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 |
| 76 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.19 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.19 | 0.03 | 0.10 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 77 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | 59727 | L | 0.19 | 0.02 | 0.00 | 0.19 | 0.03 | 0.10 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 78 | VA | Smurfit Stone Container Corporation - West | 4182011 | 7 | L | 0.18 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 |
| 79 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.18 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 |
| 80 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.18 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.17 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 |
| 82 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.17 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 83 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.17 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 84 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.16 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 | 0.01 | 0.01 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 85 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.16 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 86 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 0.16 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 |
| 87 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.16 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 |
| 88 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.16 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.01 | 0.16 | 0.03 | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 89 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.15 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 90 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.15 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 91 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 2 | L | 0.15 | 0.00 | 0.01 | 0.15 | 0.03 | 0.08 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 |
| 92 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.15 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.01 | 0.15 | 0.02 | 0.08 | 0.00 | 0.00 | 0.11 | 0.02 | 0.06 |
| 93 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.15 | 0.00 | 0.01 | 0.15 | 0.02 | 0.08 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 94 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.15 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 95 | NY | INTERNATIONAL PAPER TICONDEROGA MI | 7991711 | 44 | L | 0.14 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 96 | VA | Smurfit Stone Container Corporation - West | 4182011 | | S | 0.14 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 | 0.00 | 0.01 | 0.09 | 0.01 | 0.05 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 |
| 97 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.14 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.09 | 0.01 | 0.05 |
| 98 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.13 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 99 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | | S | 0.13 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 |
| 100 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.13 | 0.00 | 0.01 | 0.12 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 101 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.13 | 0.00 | 0.01 | 0.12 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 102 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.13 | 0.00 | 0.01 | 0.12 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 |
| 103 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.12 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 104 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.11 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 105 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.11 | 0.00 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 106 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.10 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 107 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.10 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 108 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.10 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 109 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.10 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 110 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.10 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 111 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.09 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 112 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.09 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 113 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.09 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 114 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.09 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 115 | NY | FINCH PAPER LLC | 8325211 | | S | 0.08 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 |
| 116 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.08 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 117 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.07 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 118 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.07 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 119 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | | S | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 120 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | | S | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 122 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 123 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 124 | ME | Madison Paper | 5253911 | | S | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 125 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.04 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 126 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 127 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 0.04 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 128 | ME | WOODLAND PULP LLC | 5974211 | | S | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 129 | ME | FMC BIOPOLYMER | 5692011 | | S | 0.03 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 130 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 131 | NY | NORLITE CORP | 8090911 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 132 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 133 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| 134 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | ME | THE JACKSON LABORATORY | 7945211 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## F.31 2011 ICI Ranking Visibility Impairing Sources to James River Face

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Large or Small? | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | VA | GP Big Island LLC | 4183311 | 1 | L | 21.32 | **1.53** | 0.35 | **21.32** | **3.16** | **7.85** | 0.21 | 0.18 | **4.30** | 0.73 | **2.17** | 0.59 | 0.30 | **9.84** | **1.59** | **4.40** |
| 2 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 6.58 | 0.51 | 0.05 | **6.11** | **1.01** | **2.95** | 0.44 | 0.16 | **6.58** | **1.09** | **3.15** | 0.44 | 0.06 | **5.48** | 0.91 | **2.68** |
| 3 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 6.44 | 0.50 | 0.05 | **6.01** | 1.00 | **2.91** | 0.43 | 0.15 | **6.44** | **1.07** | **3.09** | 0.43 | 0.06 | **5.39** | 0.90 | **2.64** |
| 4 | OH | P. H. Glatfelter Company - Chillicothe Facil | 8131111 | 147671 | L | 3.30 | 0.17 | 0.02 | **2.02** | 0.35 | **1.08** | 0.20 | 0.02 | **2.41** | 0.41 | **1.27** | 0.27 | 0.03 | **3.30** | 0.56 | **1.70** |
| 5 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 1.79 | 0.13 | 0.04 | **1.79** | 0.31 | 0.96 | 0.10 | 0.06 | **1.74** | 0.30 | 0.93 | 0.10 | 0.04 | **1.62** | 0.28 | 0.87 |
| 6 | VA | Roanoke Cement Company | 5039811 | 4 | L | 1.78 | 0.05 | 0.04 | 0.94 | 0.16 | 0.52 | 0.08 | 0.09 | **1.78** | 0.31 | 0.96 | 0.09 | 0.05 | **1.58** | 0.27 | 0.85 |
| 7 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 1.21 | 0.07 | 0.03 | **1.07** | 0.18 | 0.58 | 0.06 | 0.03 | **1.08** | 0.19 | 0.59 | 0.09 | 0.03 | **1.21** | 0.21 | 0.66 |
| 8 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 1.08 | 0.05 | 0.05 | **1.08** | 0.19 | 0.59 | 0.03 | 0.04 | 0.77 | 0.13 | 0.43 | 0.02 | 0.03 | 0.54 | 0.09 | 0.30 |
| 9 | MD | Sparrows Point, LLC | 8239711 | | S | 0.93 | 0.01 | 0.04 | 0.54 | 0.09 | 0.30 | 0.02 | 0.06 | 0.93 | 0.16 | 0.51 | 0.01 | 0.02 | 0.30 | 0.05 | 0.17 |
| 10 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 0.77 | 0.01 | 0.05 | 0.65 | 0.11 | 0.36 | 0.01 | 0.03 | 0.50 | 0.09 | 0.28 | 0.02 | 0.05 | 0.77 | 0.13 | 0.42 |
| 11 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.73 | 0.05 | 0.01 | 0.67 | 0.12 | 0.37 | 0.05 | 0.02 | 0.73 | 0.13 | 0.40 | 0.04 | 0.01 | 0.60 | 0.11 | 0.33 |
| 12 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 0.72 | 0.04 | 0.01 | 0.54 | 0.09 | 0.30 | 0.05 | 0.02 | 0.72 | 0.13 | 0.40 | 0.03 | 0.02 | 0.52 | 0.09 | 0.29 |
| 13 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.67 | 0.02 | 0.00 | 0.27 | 0.05 | 0.15 | 0.05 | 0.01 | 0.67 | 0.12 | 0.37 | 0.03 | 0.00 | 0.38 | 0.07 | 0.21 |
| 14 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 0.65 | 0.03 | 0.02 | 0.54 | 0.09 | 0.30 | 0.02 | 0.03 | 0.57 | 0.10 | 0.32 | 0.03 | 0.03 | 0.65 | 0.11 | 0.36 |
| 15 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 0.63 | 0.02 | 0.01 | 0.35 | 0.06 | 0.20 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 | 0.04 | 0.02 | 0.63 | 0.11 | 0.35 |
| 16 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 0.63 | 0.02 | 0.02 | 0.46 | 0.08 | 0.25 | 0.02 | 0.03 | 0.60 | 0.10 | 0.33 | 0.02 | 0.04 | 0.63 | 0.11 | 0.35 |
| 17 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLE | 6582211 | S73 | L | 0.60 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.02 | 0.03 | 0.60 | 0.11 | 0.33 |
| 18 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.59 | 0.04 | 0.01 | 0.51 | 0.09 | 0.28 | 0.02 | 0.01 | 0.39 | 0.07 | 0.22 | 0.04 | 0.02 | 0.59 | 0.10 | 0.32 |
| 19 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.57 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 | 0.05 | 0.01 | 0.57 | 0.10 | 0.32 | 0.03 | 0.00 | 0.33 | 0.06 | 0.18 |
| 20 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.52 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 | 0.03 | 0.01 | 0.52 | 0.09 | 0.29 | 0.02 | 0.01 | 0.40 | 0.07 | 0.22 |
| 21 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.47 | 0.01 | 0.03 | 0.47 | 0.08 | 0.26 | 0.01 | 0.02 | 0.26 | 0.05 | 0.15 | 0.01 | 0.02 | 0.30 | 0.05 | 0.17 |
| 22 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.45 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.04 | 0.00 | 0.45 | 0.08 | 0.25 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 |
| 23 | IN | Indiana Harbor East | 3986511 | | S | 0.45 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 | 0.01 | 0.03 | 0.45 | 0.08 | 0.25 | 0.01 | 0.02 | 0.26 | 0.05 | 0.15 |
| 24 | VA | Smurfit Stone Container Corporation - West | 4182011 | | S | 0.45 | 0.00 | 0.04 | 0.42 | 0.07 | 0.23 | 0.00 | 0.04 | 0.45 | 0.08 | 0.25 | 0.00 | 0.02 | 0.17 | 0.03 | 0.10 |
| 25 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.44 | 0.02 | 0.01 | 0.36 | 0.06 | 0.20 | 0.02 | 0.01 | 0.33 | 0.06 | 0.18 | 0.02 | 0.02 | 0.44 | 0.08 | 0.25 |
| 26 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.44 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 | 0.01 | 0.03 | 0.44 | 0.08 | 0.25 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 |
| 27 | VA | Smurfit Stone Container Corporation - West | 4182011 | 2 | L | 0.44 | 0.00 | 0.03 | 0.35 | 0.06 | 0.19 | 0.00 | 0.04 | 0.44 | 0.08 | 0.24 | 0.00 | 0.01 | 0.17 | 0.03 | 0.09 |
| 28 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.44 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.02 | 0.02 | 0.44 | 0.08 | 0.24 |
| 29 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.43 | 0.02 | 0.02 | 0.42 | 0.07 | 0.24 | 0.02 | 0.02 | 0.43 | 0.08 | 0.24 | 0.02 | 0.01 | 0.32 | 0.06 | 0.18 |
| 30 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.42 | 0.00 | 0.01 | 0.21 | 0.04 | 0.11 | 0.00 | 0.02 | 0.28 | 0.05 | 0.16 | 0.00 | 0.04 | 0.42 | 0.07 | 0.23 |
| 31 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.42 | 0.04 | 0.00 | 0.42 | 0.07 | 0.23 | 0.04 | 0.00 | 0.42 | 0.07 | 0.23 | 0.03 | 0.00 | 0.28 | 0.05 | 0.16 |
| 32 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.42 | 0.01 | 0.01 | 0.20 | 0.04 | 0.11 | 0.02 | 0.02 | 0.42 | 0.07 | 0.23 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 |
| 33 | VA | Smurfit Stone Container Corporation - West | 4182011 | 4 | L | 0.41 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 | 0.00 | 0.04 | 0.41 | 0.07 | 0.23 | 0.00 | 0.02 | 0.26 | 0.05 | 0.15 |
| 34 | PA | Penn State Univ | 3186811 | S01 | L | 0.41 | 0.02 | 0.00 | 0.27 | 0.05 | 0.15 | 0.03 | 0.01 | 0.41 | 0.07 | 0.23 | 0.02 | 0.01 | 0.28 | 0.05 | 0.16 |
| 35 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.41 | 0.00 | 0.01 | 0.20 | 0.03 | 0.11 | 0.00 | 0.02 | 0.27 | 0.05 | 0.15 | 0.00 | 0.03 | 0.41 | 0.07 | 0.23 |
| 36 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.40 | 0.02 | 0.01 | 0.34 | 0.06 | 0.19 | 0.01 | 0.01 | 0.26 | 0.05 | 0.14 | 0.02 | 0.01 | 0.40 | 0.07 | 0.22 |
| 37 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | 1 | L | 0.38 | 0.03 | 0.01 | 0.38 | 0.07 | 0.21 | 0.02 | 0.00 | 0.27 | 0.05 | 0.15 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 |
| 38 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 0.37 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 | 0.02 | 0.01 | 0.34 | 0.06 | 0.19 | 0.02 | 0.01 | 0.37 | 0.06 | 0.20 |
| 39 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.35 | 0.02 | 0.01 | 0.35 | 0.06 | 0.19 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 | 0.02 | 0.00 | 0.26 | 0.05 | 0.14 |
| 40 | OH | The Medical Center Company (1318003059 | 8252111 | 184509 | L | 0.34 | 0.03 | 0.00 | 0.34 | 0.06 | 0.19 | 0.01 | 0.00 | 0.15 | 0.03 | 0.09 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 1 | L | 0.34 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.03 | 0.00 | 0.34 | 0.06 | 0.19 | 0.02 | 0.00 | 0.19 | 0.03 | 0.10 |
| 42 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.34 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.03 | 0.00 | 0.34 | 0.06 | 0.19 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 |
| 43 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.33 | 0.02 | 0.01 | 0.33 | 0.06 | 0.19 | 0.02 | 0.01 | 0.30 | 0.05 | 0.17 | 0.01 | 0.01 | 0.21 | 0.04 | 0.12 |
| 44 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.33 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 | 0.01 | 0.02 | 0.33 | 0.06 | 0.18 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 |
| 45 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.33 | 0.03 | 0.00 | 0.33 | 0.06 | 0.18 | 0.02 | 0.00 | 0.26 | 0.05 | 0.15 | 0.02 | 0.00 | 0.19 | 0.03 | 0.10 |
| 46 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.32 | 0.02 | 0.00 | 0.26 | 0.05 | 0.15 | 0.02 | 0.01 | 0.32 | 0.06 | 0.18 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 |
| 47 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.31 | 0.03 | 0.00 | 0.31 | 0.05 | 0.17 | 0.02 | 0.00 | 0.25 | 0.04 | 0.14 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 |
| 48 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.29 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.03 | 0.00 | 0.29 | 0.05 | 0.16 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 49 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.29 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.03 | 0.00 | 0.29 | 0.05 | 0.16 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 50 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.29 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.02 | 0.00 | 0.29 | 0.05 | 0.16 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 51 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.28 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 | 0.02 | 0.01 | 0.28 | 0.05 | 0.16 | 0.01 | 0.01 | 0.17 | 0.03 | 0.10 |
| 52 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.28 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.02 | 0.00 | 0.28 | 0.05 | 0.15 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 53 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.27 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.02 | 0.00 | 0.25 | 0.04 | 0.14 | 0.02 | 0.00 | 0.27 | 0.05 | 0.15 |
| 54 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.27 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.01 | 0.02 | 0.27 | 0.05 | 0.15 | 0.00 | 0.02 | 0.22 | 0.04 | 0.12 |
| 55 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 0.27 | 0.00 | 0.01 | 0.17 | 0.03 | 0.10 | 0.00 | 0.02 | 0.22 | 0.04 | 0.12 | 0.00 | 0.02 | 0.27 | 0.05 | 0.15 |
| 56 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.27 | 0.01 | 0.00 | 0.19 | 0.03 | 0.11 | 0.02 | 0.01 | 0.27 | 0.05 | 0.15 | 0.02 | 0.01 | 0.23 | 0.04 | 0.13 |
| 57 | VA | Smurfit Stone Container Corporation - West | 4182011 | 7 | L | 0.27 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 | 0.02 | 0.00 | 0.27 | 0.05 | 0.15 | 0.01 | 0.00 | 0.20 | 0.04 | 0.11 |
| 58 | NY | ALCOA MASSENA OPERATIONS (WEST PLA | 7968211 | SA398 | L | 0.26 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.02 | 0.00 | 0.26 | 0.05 | 0.14 |
| 59 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFIN | 7873611 | S60 | L | 0.26 | 0.01 | 0.00 | 0.19 | 0.03 | 0.11 | 0.01 | 0.01 | 0.26 | 0.05 | 0.14 | 0.01 | 0.01 | 0.22 | 0.04 | 0.12 |
| 60 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.25 | 0.01 | 0.01 | 0.19 | 0.03 | 0.11 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 61 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.24 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.02 | 0.01 | 0.24 | 0.04 | 0.14 |
| 62 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.24 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.02 | 0.01 | 0.24 | 0.04 | 0.14 |
| 63 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.24 | 0.01 | 0.01 | 0.12 | 0.02 | 0.07 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 |
| 64 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.24 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.02 | 0.01 | 0.24 | 0.04 | 0.13 |
| 65 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.23 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.17 | 0.03 | 0.10 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 |
| 66 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.23 | 0.01 | 0.00 | 0.13 | 0.02 | 0.08 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 | 0.01 | 0.01 | 0.13 | 0.02 | 0.07 |
| 67 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.23 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 |
| 68 | OH | Cargill, Incorporated - Salt Division (Akron, | 7416411 | 250250 | L | 0.22 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.02 | 0.00 | 0.19 | 0.03 | 0.10 |
| 69 | OH | City of Akron Steam Generating (16770107 | 8170411 | 253630 | L | 0.22 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 70 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.21 | 0.01 | 0.00 | 0.19 | 0.03 | 0.10 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.01 | 0.21 | 0.04 | 0.12 |
| 71 | IN | Citizens Thermal | 4885311 | 4 | L | 0.21 | 0.01 | 0.01 | 0.21 | 0.04 | 0.12 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 |
| 72 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.21 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 | 0.01 | 0.01 | 0.21 | 0.04 | 0.12 |
| 73 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.21 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 |
| 74 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.21 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 75 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.20 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.01 | 0.20 | 0.04 | 0.11 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 76 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.20 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 77 | IN | Citizens Thermal | 4885311 | 1 | L | 0.19 | 0.01 | 0.00 | 0.19 | 0.03 | 0.11 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 78 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.17 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 | 0.01 | 0.00 | 0.17 | 0.03 | 0.10 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 |
| 79 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 0.17 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 |
| 80 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.17 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.17 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.15 | 0.03 | 0.09 |
| 82 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.16 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 83 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 0.16 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 84 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.15 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 85 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.15 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 |
| 86 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.15 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 |
| 87 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.15 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.01 | 0.15 | 0.03 | 0.08 | 0.00 | 0.01 | 0.07 | 0.01 | 0.04 |
| 88 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.14 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.00 | 0.01 | 0.14 | 0.03 | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 89 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.14 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 |
| 90 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | 59727 | L | 0.14 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 91 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.13 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 92 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.13 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 |
| 93 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.13 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 94 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.13 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 95 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.13 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 96 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 2 | L | 0.13 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.10 | 0.02 | 0.06 |
| 97 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.13 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 98 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 |
| 99 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.13 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 100 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.13 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 101 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.12 | 0.00 | 0.01 | 0.12 | 0.02 | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 102 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.12 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.01 | 0.12 | 0.02 | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 |
| 103 | NY | INTERNATIONAL PAPER TICONDEROGA MI | 7991711 | 44 | L | 0.12 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 104 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | | S | 0.11 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 105 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 0.11 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 106 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.10 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 |
| 107 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.10 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 108 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.10 | 0.01 | 0.00 | 0.06 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 109 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 110 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.09 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 111 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.09 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 112 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | | S | 0.09 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.01 | 0.09 | 0.02 | 0.05 |
| 113 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 114 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.08 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 115 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 116 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 117 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.07 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 118 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 119 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | | S | 0.06 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.01 | 0.00 | 0.06 | 0.01 | 0.04 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 120 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.06 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 122 | NY | FINCH PAPER LLC | 8325211 | | S | 0.06 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 123 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 124 | ME | WOODLAND PULP LLC | 5974211 | | S | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 125 | ME | Madison Paper | 5253911 | | S | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 126 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 127 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 128 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 |
| 129 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 130 | ME | FMC BIOPOLYMER | 5692011 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 131 | NY | NORLITE CORP | 8090911 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 132 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 133 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 134 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | ME | THE JACKSON LABORATORY | 7945211 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## F.32 2011 ICI Ranking Visibility Impairing Sources to Otter Creek

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Large or Small? | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 24.36 | **1.50** | 0.32 | **22.31** | **3.08** | **7.69** | 0.99 | 0.23 | **14.79** | **2.14** | **5.70** | **1.53** | 0.46 | **24.36** | **3.32** | **8.17** |
| 2 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 23.89 | **1.48** | 0.31 | **21.90** | **3.03** | **7.59** | 0.98 | 0.22 | **14.51** | **2.11** | **5.62** | **1.51** | 0.44 | **23.89** | **3.26** | **8.06** |
| 3 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 2.94 | 0.14 | 0.05 | **2.23** | 0.36 | **1.10** | 0.13 | 0.12 | **2.94** | 0.46 | **1.42** | 0.13 | 0.05 | **2.21** | 0.35 | **1.09** |
| 4 | OH | P. H. Glatfelter Company - Chillicothe Facil | 8131111 | 147671 | L | 2.63 | 0.15 | 0.03 | **2.21** | 0.35 | **1.09** | 0.19 | 0.02 | **2.46** | 0.39 | **1.20** | 0.20 | 0.02 | **2.63** | 0.42 | **1.28** |
| 5 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 2.52 | 0.09 | 0.13 | **2.52** | 0.40 | **1.23** | 0.07 | 0.07 | **1.62** | 0.26 | 0.81 | 0.08 | 0.08 | **1.95** | 0.31 | 0.96 |
| 6 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 2.19 | 0.03 | 0.13 | **1.87** | 0.30 | 0.93 | 0.02 | 0.07 | **1.06** | 0.17 | 0.53 | 0.02 | 0.16 | **2.19** | 0.35 | **1.08** |
| 7 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 1.62 | 0.03 | 0.03 | 0.69 | 0.11 | 0.35 | 0.05 | 0.08 | **1.62** | 0.26 | 0.81 | 0.04 | 0.04 | 0.97 | 0.16 | 0.49 |
| 8 | VA | Roanoke Cement Company | 5039811 | 4 | L | 1.41 | 0.03 | 0.03 | 0.69 | 0.11 | 0.35 | 0.05 | 0.07 | **1.41** | 0.23 | 0.71 | 0.03 | 0.03 | 0.67 | 0.11 | 0.34 |
| 9 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 1.21 | 0.04 | 0.04 | 0.92 | 0.15 | 0.47 | 0.02 | 0.08 | **1.21** | 0.19 | 0.61 | 0.04 | 0.05 | **1.07** | 0.17 | 0.54 |
| 10 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 1.09 | 0.03 | 0.03 | 0.68 | 0.11 | 0.35 | 0.05 | 0.04 | **1.09** | 0.17 | 0.55 | 0.03 | 0.03 | 0.69 | 0.11 | 0.35 |
| 11 | VA | GP Big Island LLC | 4183311 | 1 | L | 1.04 | 0.03 | 0.02 | 0.56 | 0.09 | 0.29 | 0.05 | 0.03 | **1.04** | 0.17 | 0.53 | 0.05 | 0.01 | 0.74 | 0.12 | 0.38 |
| 12 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 1.02 | 0.04 | 0.01 | 0.66 | 0.11 | 0.34 | 0.06 | 0.02 | **1.02** | 0.16 | 0.52 | 0.03 | 0.01 | 0.46 | 0.07 | 0.24 |
| 13 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 0.93 | 0.01 | 0.01 | 0.29 | 0.05 | 0.15 | 0.05 | 0.01 | 0.73 | 0.12 | 0.37 | 0.05 | 0.03 | 0.93 | 0.15 | 0.47 |
| 14 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.91 | 0.06 | 0.01 | 0.82 | 0.13 | 0.42 | 0.05 | 0.02 | 0.85 | 0.14 | 0.43 | 0.06 | 0.02 | 0.91 | 0.15 | 0.46 |
| 15 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 0.78 | 0.00 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.06 | 0.78 | 0.13 | 0.40 | 0.00 | 0.02 | 0.23 | 0.04 | 0.12 |
| 16 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.77 | 0.03 | 0.04 | 0.77 | 0.12 | 0.39 | 0.01 | 0.04 | 0.64 | 0.10 | 0.33 | 0.02 | 0.03 | 0.52 | 0.08 | 0.27 |
| 17 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.73 | 0.00 | 0.06 | 0.73 | 0.12 | 0.37 | 0.00 | 0.03 | 0.43 | 0.07 | 0.22 | 0.00 | 0.02 | 0.24 | 0.04 | 0.13 |
| 18 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.73 | 0.02 | 0.03 | 0.59 | 0.10 | 0.30 | 0.03 | 0.03 | 0.73 | 0.12 | 0.37 | 0.02 | 0.02 | 0.54 | 0.09 | 0.28 |
| 19 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.70 | 0.00 | 0.05 | 0.70 | 0.11 | 0.36 | 0.00 | 0.03 | 0.41 | 0.07 | 0.21 | 0.00 | 0.02 | 0.24 | 0.04 | 0.12 |
| 20 | MD | Sparrows Point, LLC | 8239711 | | S | 0.65 | 0.01 | 0.04 | 0.65 | 0.10 | 0.33 | 0.01 | 0.02 | 0.40 | 0.06 | 0.21 | 0.02 | 0.03 | 0.52 | 0.08 | 0.27 |
| 21 | PA | Penn State Univ | 3186811 | S01 | L | 0.61 | 0.02 | 0.01 | 0.36 | 0.06 | 0.19 | 0.04 | 0.01 | 0.61 | 0.10 | 0.31 | 0.03 | 0.01 | 0.50 | 0.08 | 0.26 |
| 22 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.60 | 0.02 | 0.01 | 0.34 | 0.06 | 0.18 | 0.04 | 0.01 | 0.60 | 0.10 | 0.31 | 0.03 | 0.01 | 0.44 | 0.07 | 0.23 |
| 23 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFIN | 7873611 | S60 | L | 0.60 | 0.01 | 0.00 | 0.21 | 0.03 | 0.11 | 0.02 | 0.03 | 0.60 | 0.10 | 0.31 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 |
| 24 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 0.60 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 | 0.03 | 0.02 | 0.60 | 0.10 | 0.31 | 0.02 | 0.02 | 0.49 | 0.08 | 0.25 |
| 25 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.58 | 0.03 | 0.01 | 0.41 | 0.07 | 0.21 | 0.04 | 0.01 | 0.58 | 0.09 | 0.29 | 0.02 | 0.01 | 0.35 | 0.06 | 0.18 |
| 26 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.55 | 0.02 | 0.01 | 0.34 | 0.05 | 0.17 | 0.03 | 0.02 | 0.55 | 0.09 | 0.28 | 0.02 | 0.02 | 0.46 | 0.07 | 0.23 |
| 27 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.53 | 0.03 | 0.01 | 0.53 | 0.09 | 0.27 | 0.02 | 0.01 | 0.43 | 0.07 | 0.22 | 0.02 | 0.01 | 0.33 | 0.05 | 0.17 |
| 28 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.52 | 0.02 | 0.00 | 0.29 | 0.05 | 0.15 | 0.04 | 0.01 | 0.52 | 0.08 | 0.27 | 0.03 | 0.00 | 0.37 | 0.06 | 0.19 |
| 29 | IN | Indiana Harbor East | 3986511 | | S | 0.50 | 0.01 | 0.03 | 0.50 | 0.08 | 0.26 | 0.01 | 0.03 | 0.48 | 0.08 | 0.25 | 0.01 | 0.02 | 0.38 | 0.06 | 0.20 |
| 30 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.50 | 0.03 | 0.01 | 0.41 | 0.07 | 0.21 | 0.02 | 0.02 | 0.50 | 0.08 | 0.26 | 0.02 | 0.01 | 0.38 | 0.06 | 0.20 |
| 31 | IN | Citizens Thermal | 4885311 | 4 | L | 0.48 | 0.03 | 0.01 | 0.48 | 0.08 | 0.25 | 0.02 | 0.01 | 0.31 | 0.05 | 0.16 | 0.02 | 0.01 | 0.27 | 0.04 | 0.14 |
| 32 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.48 | 0.01 | 0.01 | 0.30 | 0.05 | 0.15 | 0.01 | 0.03 | 0.48 | 0.08 | 0.25 | 0.01 | 0.02 | 0.37 | 0.06 | 0.19 |
| 33 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.48 | 0.03 | 0.01 | 0.48 | 0.08 | 0.24 | 0.02 | 0.01 | 0.27 | 0.04 | 0.14 | 0.01 | 0.01 | 0.26 | 0.04 | 0.14 |
| 34 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.47 | 0.01 | 0.03 | 0.44 | 0.07 | 0.23 | 0.01 | 0.03 | 0.47 | 0.08 | 0.24 | 0.01 | 0.02 | 0.36 | 0.06 | 0.19 |
| 35 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.45 | 0.01 | 0.02 | 0.32 | 0.05 | 0.16 | 0.01 | 0.01 | 0.30 | 0.05 | 0.15 | 0.01 | 0.03 | 0.45 | 0.07 | 0.23 |
| 36 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.43 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.03 | 0.00 | 0.43 | 0.07 | 0.22 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 |
| 37 | IN | Citizens Thermal | 4885311 | 1 | L | 0.43 | 0.03 | 0.01 | 0.43 | 0.07 | 0.22 | 0.02 | 0.01 | 0.26 | 0.04 | 0.13 | 0.02 | 0.00 | 0.26 | 0.04 | 0.13 |
| 38 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.42 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.03 | 0.00 | 0.42 | 0.07 | 0.21 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 |
| 39 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.41 | 0.01 | 0.01 | 0.29 | 0.05 | 0.15 | 0.01 | 0.02 | 0.41 | 0.07 | 0.21 | 0.01 | 0.01 | 0.26 | 0.04 | 0.13 |
| 40 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.41 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.02 | 0.01 | 0.41 | 0.07 | 0.21 | 0.02 | 0.01 | 0.30 | 0.05 | 0.15 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | OH | The Medical Center Company (1318003059 | 8252111 | 184509 | L | 0.40 | 0.03 | 0.00 | 0.39 | 0.06 | 0.20 | 0.02 | 0.00 | 0.28 | 0.05 | 0.15 | 0.03 | 0.00 | 0.40 | 0.06 | 0.21 |
| 42 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.39 | 0.03 | 0.00 | 0.39 | 0.06 | 0.20 | 0.02 | 0.00 | 0.23 | 0.04 | 0.12 | 0.03 | 0.00 | 0.36 | 0.06 | 0.18 |
| 43 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.39 | 0.03 | 0.00 | 0.39 | 0.06 | 0.20 | 0.02 | 0.00 | 0.23 | 0.04 | 0.12 | 0.03 | 0.00 | 0.36 | 0.06 | 0.18 |
| 44 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.39 | 0.02 | 0.01 | 0.39 | 0.06 | 0.20 | 0.02 | 0.01 | 0.31 | 0.05 | 0.16 | 0.02 | 0.01 | 0.30 | 0.05 | 0.16 |
| 45 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.38 | 0.02 | 0.01 | 0.30 | 0.05 | 0.16 | 0.02 | 0.01 | 0.38 | 0.06 | 0.20 | 0.02 | 0.01 | 0.28 | 0.05 | 0.15 |
| 46 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.35 | 0.02 | 0.01 | 0.27 | 0.04 | 0.14 | 0.02 | 0.01 | 0.35 | 0.06 | 0.18 | 0.02 | 0.01 | 0.28 | 0.05 | 0.15 |
| 47 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.34 | 0.03 | 0.00 | 0.34 | 0.06 | 0.18 | 0.03 | 0.00 | 0.30 | 0.05 | 0.16 | 0.02 | 0.00 | 0.28 | 0.05 | 0.14 |
| 48 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.34 | 0.02 | 0.01 | 0.34 | 0.05 | 0.17 | 0.02 | 0.00 | 0.23 | 0.04 | 0.12 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 |
| 49 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.33 | 0.01 | 0.01 | 0.27 | 0.04 | 0.14 | 0.02 | 0.01 | 0.33 | 0.05 | 0.17 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 |
| 50 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.33 | 0.02 | 0.00 | 0.23 | 0.04 | 0.12 | 0.02 | 0.00 | 0.33 | 0.05 | 0.17 | 0.02 | 0.00 | 0.30 | 0.05 | 0.16 |
| 51 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.32 | 0.02 | 0.00 | 0.27 | 0.04 | 0.14 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.02 | 0.00 | 0.32 | 0.05 | 0.17 |
| 52 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.32 | 0.02 | 0.00 | 0.27 | 0.04 | 0.14 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.02 | 0.00 | 0.32 | 0.05 | 0.17 |
| 53 | OH | Cargill, Incorporated - Salt Division (Akron, | 7416411 | 250250 | L | 0.31 | 0.02 | 0.00 | 0.31 | 0.05 | 0.16 | 0.02 | 0.00 | 0.22 | 0.03 | 0.11 | 0.02 | 0.00 | 0.28 | 0.05 | 0.15 |
| 54 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.31 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.01 | 0.00 | 0.21 | 0.03 | 0.11 | 0.02 | 0.01 | 0.31 | 0.05 | 0.16 |
| 55 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | 1 | L | 0.30 | 0.02 | 0.00 | 0.25 | 0.04 | 0.13 | 0.01 | 0.00 | 0.20 | 0.03 | 0.10 | 0.02 | 0.01 | 0.30 | 0.05 | 0.16 |
| 56 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.30 | 0.02 | 0.00 | 0.30 | 0.05 | 0.15 | 0.02 | 0.00 | 0.24 | 0.04 | 0.12 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 57 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.28 | 0.02 | 0.00 | 0.28 | 0.04 | 0.14 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.02 | 0.00 | 0.22 | 0.04 | 0.11 |
| 58 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.28 | 0.02 | 0.00 | 0.28 | 0.04 | 0.14 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 | 0.02 | 0.00 | 0.22 | 0.04 | 0.11 |
| 59 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 1 | L | 0.27 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 | 0.02 | 0.00 | 0.23 | 0.04 | 0.12 | 0.02 | 0.00 | 0.27 | 0.04 | 0.14 |
| 60 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.26 | 0.02 | 0.00 | 0.18 | 0.03 | 0.09 | 0.02 | 0.00 | 0.26 | 0.04 | 0.14 | 0.02 | 0.00 | 0.26 | 0.04 | 0.14 |
| 61 | NY | ALCOA MASSENA OPERATIONS (WEST PLA | 7968211 | SA398 | L | 0.26 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.02 | 0.00 | 0.26 | 0.04 | 0.13 |
| 62 | OH | City of Akron Steam Generating (16770107 | 8170411 | 253630 | L | 0.26 | 0.02 | 0.01 | 0.26 | 0.04 | 0.13 | 0.01 | 0.00 | 0.22 | 0.04 | 0.11 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 |
| 63 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.25 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 | 0.01 | 0.01 | 0.25 | 0.04 | 0.13 | 0.01 | 0.01 | 0.20 | 0.03 | 0.10 |
| 64 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.24 | 0.01 | 0.01 | 0.22 | 0.04 | 0.11 | 0.01 | 0.01 | 0.24 | 0.04 | 0.13 | 0.01 | 0.01 | 0.20 | 0.03 | 0.10 |
| 65 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.24 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.01 | 0.24 | 0.04 | 0.12 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 66 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.23 | 0.01 | 0.01 | 0.23 | 0.04 | 0.12 | 0.01 | 0.01 | 0.22 | 0.04 | 0.11 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 |
| 67 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.22 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.01 | 0.00 | 0.20 | 0.03 | 0.10 |
| 68 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.21 | 0.02 | 0.00 | 0.21 | 0.03 | 0.11 | 0.01 | 0.00 | 0.21 | 0.03 | 0.11 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 |
| 69 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.21 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 |
| 70 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLE | 6582211 | S73 | L | 0.21 | 0.01 | 0.01 | 0.16 | 0.03 | 0.08 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 |
| 71 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.21 | 0.01 | 0.00 | 0.21 | 0.03 | 0.11 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 |
| 72 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.21 | 0.01 | 0.01 | 0.21 | 0.03 | 0.11 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 73 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.20 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.20 | 0.03 | 0.10 | 0.01 | 0.00 | 0.18 | 0.03 | 0.09 |
| 74 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.20 | 0.01 | 0.00 | 0.20 | 0.03 | 0.10 | 0.01 | 0.00 | 0.20 | 0.03 | 0.10 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 75 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.20 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 | 0.02 | 0.00 | 0.20 | 0.03 | 0.10 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 |
| 76 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.19 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.01 | 0.00 | 0.19 | 0.03 | 0.10 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 |
| 77 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.19 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 78 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.19 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 79 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | 59727 | L | 0.19 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.02 | 0.00 | 0.19 | 0.03 | 0.10 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 80 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.18 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 | 0.01 | 0.01 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 0.18 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 |
| 82 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.18 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.01 | 0.18 | 0.03 | 0.09 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 83 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 2 | L | 0.18 | 0.00 | 0.01 | 0.18 | 0.03 | 0.09 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 |
| 84 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.17 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 |
| 85 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.17 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 |
| 86 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | | S | 0.17 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 | 0.00 | 0.01 | 0.15 | 0.02 | 0.08 |
| 87 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.17 | 0.00 | 0.01 | 0.17 | 0.03 | 0.09 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 |
| 88 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.17 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.17 | 0.03 | 0.09 |
| 89 | VA | Smurfit Stone Container Corporation - West | 4182011 | 7 | L | 0.16 | 0.01 | 0.00 | 0.16 | 0.03 | 0.08 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 90 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 0.16 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.16 | 0.03 | 0.08 |
| 91 | VA | Smurfit Stone Container Corporation - West | 4182011 | 4 | L | 0.15 | 0.00 | 0.01 | 0.15 | 0.02 | 0.08 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 |
| 92 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.15 | 0.01 | 0.00 | 0.15 | 0.02 | 0.08 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 93 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.15 | 0.00 | 0.01 | 0.15 | 0.02 | 0.08 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 |
| 94 | VA | Smurfit Stone Container Corporation - West | 4182011 | 2 | L | 0.15 | 0.00 | 0.01 | 0.15 | 0.02 | 0.08 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.01 | 0.05 |
| 95 | NY | INTERNATIONAL PAPER TICONDEROGA MI | 7991711 | 44 | L | 0.14 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.14 | 0.02 | 0.07 |
| 96 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.14 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 97 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.14 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 98 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.14 | 0.00 | 0.01 | 0.14 | 0.02 | 0.07 | 0.00 | 0.01 | 0.13 | 0.02 | 0.07 | 0.00 | 0.01 | 0.11 | 0.02 | 0.06 |
| 99 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.13 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 100 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.12 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 101 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.12 | 0.00 | 0.00 | 0.11 | 0.02 | 0.05 | 0.00 | 0.01 | 0.12 | 0.02 | 0.06 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 102 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 103 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.12 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.12 | 0.02 | 0.06 |
| 104 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.12 | 0.01 | 0.01 | 0.12 | 0.02 | 0.06 | 0.00 | 0.00 | 0.11 | 0.02 | 0.05 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 |
| 105 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.11 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 106 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.11 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 107 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.11 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 108 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.11 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 109 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.10 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 110 | VA | Smurfit Stone Container Corporation - West | 4182011 | | S | 0.10 | 0.00 | 0.01 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.09 | 0.01 | 0.05 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 |
| 111 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.09 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 112 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.09 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 |
| 113 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 114 | NY | FINCH PAPER LLC | 8325211 | | S | 0.08 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 |
| 115 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.08 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 116 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.08 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 |
| 117 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.07 | 0.00 | 0.00 | 0.05 | 0.01 | 0.02 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 118 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.07 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.07 | 0.01 | 0.03 |
| 119 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | | S | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 120 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 122 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | | S | 0.05 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 123 | ME | Madison Paper | 5253911 | | S | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 124 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 125 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 126 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 127 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.03 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 | 0.00 | 0.00 | 0.03 | 0.00 | 0.02 |
| 128 | ME | FMC BIOPOLYMER | 5692011 | | S | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 129 | ME | WOODLAND PULP LLC | 5974211 | | S | 0.03 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 130 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 131 | NY | NORLITE CORP | 8090911 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 132 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 133 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 134 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 135 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 136 | ME | THE JACKSON LABORATORY | 7945211 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

## F.33 2011 ICI Ranking Visibility Impairing Sources to Shenandoah

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Large or Small? | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 1 | MD | Luke Paper Company | 7763811 | 001-0011-3-0018 | L | 15.84 | 0.99 | 0.21 | **13.42** | **2.10** | **5.61** | 0.81 | 0.24 | **11.75** | **1.87** | **5.06** | 1.00 | 0.41 | **15.84** | **2.44** | **6.35** |
| 2 | MD | Luke Paper Company | 7763811 | 001-0011-3-0019 | L | 15.49 | 0.98 | 0.20 | **13.17** | **2.07** | **5.53** | 0.80 | 0.23 | **11.52** | **1.83** | **4.98** | 0.98 | 0.40 | **15.49** | **2.39** | **6.25** |
| 3 | OH | P. H. Glatfelter Company - Chillicothe Facil | 8131111 | 147671 | L | 3.74 | 0.31 | 0.02 | **3.65** | 0.62 | **1.86** | 0.20 | 0.03 | **2.49** | 0.43 | **1.31** | 0.32 | 0.02 | **3.74** | 0.63 | **1.90** |
| 4 | WV | CAPITOL CEMENT - ESSROC MARTINSBURG | 4987611 | 71 | L | 2.24 | 0.06 | 0.14 | **2.24** | 0.38 | **1.19** | 0.04 | 0.13 | **1.91** | 0.33 | **1.02** | 0.03 | 0.07 | **1.18** | 0.20 | 0.64 |
| 5 | VA | GP Big Island LLC | 4183311 | 1 | L | 2.11 | 0.07 | 0.09 | **1.78** | 0.31 | 0.95 | 0.04 | 0.06 | **1.07** | 0.19 | 0.59 | 0.06 | 0.13 | **2.11** | 0.36 | **1.12** |
| 6 | MD | Luke Paper Company | 7763811 | 001-0011-6-0235 | L | 1.82 | 0.05 | 0.11 | **1.82** | 0.31 | 0.97 | 0.04 | 0.10 | **1.52** | 0.26 | 0.82 | 0.04 | 0.08 | **1.39** | 0.24 | 0.75 |
| 7 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B2531 | L | 1.81 | 0.13 | 0.04 | **1.81** | 0.31 | 0.97 | 0.12 | 0.04 | **1.70** | 0.29 | 0.91 | 0.12 | 0.04 | **1.79** | 0.31 | 0.96 |
| 8 | MD | Sparrows Point, LLC | 8239711 | | S | 1.52 | 0.03 | 0.05 | 0.88 | 0.15 | 0.48 | 0.04 | 0.09 | **1.48** | 0.26 | 0.80 | 0.05 | 0.09 | **1.52** | 0.26 | 0.82 |
| 9 | PA | USS/CLAIRTON WORKS | 8204511 | | S | 1.20 | 0.01 | 0.09 | **1.20** | 0.21 | 0.65 | 0.01 | 0.07 | 0.95 | 0.16 | 0.52 | 0.02 | 0.09 | **1.16** | 0.20 | 0.63 |
| 10 | PA | PHILA ENERGY SOL REF/ PES | 6652211 | | S | 0.98 | 0.00 | 0.04 | 0.47 | 0.08 | 0.26 | 0.01 | 0.08 | 0.98 | 0.17 | 0.54 | 0.01 | 0.02 | 0.35 | 0.06 | 0.20 |
| 11 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | | S | 0.94 | 0.03 | 0.01 | 0.47 | 0.08 | 0.26 | 0.06 | 0.02 | 0.94 | 0.16 | 0.52 | 0.03 | 0.01 | 0.51 | 0.09 | 0.28 |
| 12 | VA | Roanoke Cement Company | 5039811 | 4 | L | 0.87 | 0.05 | 0.03 | 0.87 | 0.15 | 0.48 | 0.02 | 0.04 | 0.71 | 0.12 | 0.39 | 0.04 | 0.03 | 0.84 | 0.15 | 0.46 |
| 13 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S01 | L | 0.87 | 0.00 | 0.06 | 0.70 | 0.12 | 0.39 | 0.01 | 0.06 | 0.73 | 0.13 | 0.40 | 0.00 | 0.07 | 0.87 | 0.15 | 0.48 |
| 14 | VA | Radford Army Ammunition Plant | 5748611 | 1 | L | 0.86 | 0.04 | 0.02 | 0.71 | 0.12 | 0.39 | 0.04 | 0.04 | 0.86 | 0.15 | 0.47 | 0.03 | 0.02 | 0.63 | 0.11 | 0.35 |
| 15 | PA | PPG IND INC/WORKS NO 6 | 6463511 | S02 | L | 0.84 | 0.00 | 0.06 | 0.67 | 0.12 | 0.37 | 0.01 | 0.06 | 0.71 | 0.12 | 0.39 | 0.00 | 0.07 | 0.84 | 0.15 | 0.46 |
| 16 | WV | BAYER CROPSCIENCE | 5782411 | 8 | L | 0.83 | 0.04 | 0.03 | 0.83 | 0.14 | 0.45 | 0.02 | 0.05 | 0.76 | 0.13 | 0.42 | 0.02 | 0.04 | 0.63 | 0.11 | 0.35 |
| 17 | PA | Penn State Univ | 3186811 | S01 | L | 0.81 | 0.03 | 0.01 | 0.40 | 0.07 | 0.22 | 0.05 | 0.02 | 0.81 | 0.14 | 0.45 | 0.03 | 0.02 | 0.55 | 0.10 | 0.30 |
| 18 | NY | LAFARGE BUILDING MATERIALS INC | 8105211 | 43101 | L | 0.81 | 0.02 | 0.01 | 0.36 | 0.06 | 0.20 | 0.06 | 0.02 | 0.81 | 0.14 | 0.44 | 0.04 | 0.03 | 0.69 | 0.12 | 0.38 |
| 19 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B831 | L | 0.76 | 0.05 | 0.01 | 0.68 | 0.12 | 0.38 | 0.05 | 0.01 | 0.70 | 0.12 | 0.39 | 0.06 | 0.01 | 0.76 | 0.13 | 0.42 |
| 20 | MD | Naval Support Facility, Indian Head | 6117011 | 017-0040-3-0006 | L | 0.74 | 0.03 | 0.02 | 0.52 | 0.09 | 0.29 | 0.04 | 0.03 | 0.74 | 0.13 | 0.41 | 0.03 | 0.02 | 0.57 | 0.10 | 0.31 |
| 21 | IL | Aventine Renewable Energy Inc | 8065311 | 49 | L | 0.69 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.06 | 0.01 | 0.69 | 0.12 | 0.38 | 0.03 | 0.00 | 0.43 | 0.07 | 0.24 |
| 22 | OH | AK Steel Corporation (1409010006) | 8008811 | | S | 0.66 | 0.02 | 0.03 | 0.55 | 0.10 | 0.30 | 0.02 | 0.04 | 0.66 | 0.12 | 0.37 | 0.02 | 0.02 | 0.38 | 0.07 | 0.21 |
| 23 | VA | Smurfit Stone Container Corporation - West | 4182011 | 2 | L | 0.64 | 0.00 | 0.06 | 0.64 | 0.11 | 0.35 | 0.00 | 0.04 | 0.40 | 0.07 | 0.22 | 0.00 | 0.04 | 0.44 | 0.08 | 0.24 |
| 24 | PA | SUNOCO INC (R&M)/MARCUS HOOK REFIN | 7873611 | S60 | L | 0.61 | 0.02 | 0.01 | 0.31 | 0.05 | 0.18 | 0.03 | 0.03 | 0.61 | 0.11 | 0.34 | 0.02 | 0.01 | 0.37 | 0.07 | 0.21 |
| 25 | IL | Aventine Renewable Energy Inc | 8065311 | 48 | L | 0.60 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.05 | 0.01 | 0.60 | 0.10 | 0.33 | 0.03 | 0.00 | 0.36 | 0.06 | 0.20 |
| 26 | IN | Indiana Harbor East | 3986511 | | S | 0.57 | 0.01 | 0.02 | 0.31 | 0.05 | 0.17 | 0.02 | 0.04 | 0.57 | 0.10 | 0.31 | 0.01 | 0.01 | 0.26 | 0.04 | 0.14 |
| 27 | VA | Smurfit Stone Container Corporation - West | 4182011 | | S | 0.54 | 0.00 | 0.05 | 0.54 | 0.09 | 0.30 | 0.00 | 0.03 | 0.37 | 0.06 | 0.21 | 0.00 | 0.03 | 0.38 | 0.07 | 0.21 |
| 28 | WV | DUPONT WASHINGTON WORKS | 4878911 | 477 | L | 0.54 | 0.02 | 0.01 | 0.43 | 0.08 | 0.24 | 0.02 | 0.02 | 0.54 | 0.09 | 0.30 | 0.03 | 0.02 | 0.47 | 0.08 | 0.26 |
| 29 | IN | ELI LILLY & COMPANY CLINTON LABS | 8223611 | 2 | L | 0.52 | 0.03 | 0.01 | 0.36 | 0.06 | 0.20 | 0.04 | 0.01 | 0.52 | 0.09 | 0.29 | 0.02 | 0.01 | 0.30 | 0.05 | 0.17 |
| 30 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0941 | L | 0.51 | 0.02 | 0.01 | 0.29 | 0.05 | 0.16 | 0.03 | 0.02 | 0.51 | 0.09 | 0.28 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 31 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | 47 | L | 0.51 | 0.02 | 0.02 | 0.51 | 0.09 | 0.28 | 0.02 | 0.01 | 0.33 | 0.06 | 0.18 | 0.02 | 0.01 | 0.40 | 0.07 | 0.23 |
| 32 | OH | The Medical Center Company (1318003059 | 8252111 | 184509 | L | 0.49 | 0.03 | 0.00 | 0.31 | 0.05 | 0.18 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.04 | 0.01 | 0.49 | 0.09 | 0.27 |
| 33 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 13 | L | 0.48 | 0.01 | 0.02 | 0.28 | 0.05 | 0.16 | 0.01 | 0.03 | 0.48 | 0.08 | 0.27 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 |
| 34 | VA | Smurfit Stone Container Corporation - West | 4182011 | 4 | L | 0.48 | 0.00 | 0.04 | 0.48 | 0.08 | 0.27 | 0.00 | 0.03 | 0.41 | 0.07 | 0.23 | 0.00 | 0.03 | 0.39 | 0.07 | 0.22 |
| 35 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65589 | L | 0.48 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 | 0.02 | 0.00 | 0.19 | 0.03 | 0.11 | 0.04 | 0.00 | 0.48 | 0.08 | 0.27 |
| 36 | OH | Morton Salt, Inc. (0285020059) | 7997111 | 65590 | L | 0.48 | 0.02 | 0.00 | 0.22 | 0.04 | 0.13 | 0.02 | 0.00 | 0.19 | 0.03 | 0.11 | 0.04 | 0.00 | 0.48 | 0.08 | 0.26 |
| 37 | IN | ESSROC Cement Corp | 8198511 | 15 | L | 0.47 | 0.02 | 0.01 | 0.34 | 0.06 | 0.19 | 0.03 | 0.01 | 0.47 | 0.08 | 0.26 | 0.02 | 0.02 | 0.45 | 0.08 | 0.25 |
| 38 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Recovery 10 | L | 0.47 | 0.04 | 0.01 | 0.47 | 0.08 | 0.26 | 0.02 | 0.01 | 0.36 | 0.06 | 0.20 | 0.03 | 0.01 | 0.40 | 0.07 | 0.22 |
| 39 | NY | KODAK PARK DIVISION | 8091511 | 4 | L | 0.45 | 0.02 | 0.01 | 0.27 | 0.05 | 0.15 | 0.02 | 0.02 | 0.45 | 0.08 | 0.25 | 0.02 | 0.01 | 0.41 | 0.07 | 0.23 |
| 40 | OH | Cargill, Incorporated - Salt Division (Akron, | 7416411 | 250250 | L | 0.44 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 | 0.04 | 0.00 | 0.44 | 0.08 | 0.25 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 41 | PA | TEAM TEN/TYRONE PAPER MILL | 9248211 | S01 | L | 0.43 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 | 0.03 | 0.00 | 0.43 | 0.07 | 0.24 | 0.02 | 0.00 | 0.24 | 0.04 | 0.14 |
| 42 | PA | KEYSTONE PORTLAND CEMENT/EAST ALLE | 6582211 | S73 | L | 0.42 | 0.01 | 0.02 | 0.42 | 0.07 | 0.23 | 0.02 | 0.02 | 0.42 | 0.07 | 0.23 | 0.01 | 0.02 | 0.31 | 0.05 | 0.17 |
| 43 | IN | TATE & LYLE, LAFAYETTE SOUTH (33) | 7376411 | 4 | L | 0.41 | 0.03 | 0.01 | 0.35 | 0.06 | 0.20 | 0.03 | 0.01 | 0.41 | 0.07 | 0.23 | 0.02 | 0.00 | 0.30 | 0.05 | 0.17 |
| 44 | VA | Smurfit Stone Container Corporation - West | 4182011 | 7 | L | 0.39 | 0.02 | 0.00 | 0.29 | 0.05 | 0.16 | 0.03 | 0.00 | 0.39 | 0.07 | 0.22 | 0.03 | 0.00 | 0.34 | 0.06 | 0.19 |
| 45 | KY | E I Dupont Inc | 6096411 | 1 | L | 0.38 | 0.03 | 0.00 | 0.28 | 0.05 | 0.16 | 0.03 | 0.00 | 0.38 | 0.07 | 0.21 | 0.03 | 0.00 | 0.30 | 0.05 | 0.17 |
| 46 | OH | DTE St. Bernard, LLC (1431394148) | 9301711 | 2170429 | L | 0.37 | 0.03 | 0.01 | 0.37 | 0.07 | 0.21 | 0.02 | 0.01 | 0.32 | 0.06 | 0.18 | 0.02 | 0.01 | 0.25 | 0.04 | 0.14 |
| 47 | OH | City of Akron Steam Generating (16770107 | 8170411 | 253630 | L | 0.37 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.03 | 0.00 | 0.37 | 0.06 | 0.21 |
| 48 | IN | UNIVERSITY OF NOTRE DAME DU LAC | 5552011 | 2 | L | 0.37 | 0.01 | 0.00 | 0.19 | 0.03 | 0.11 | 0.02 | 0.01 | 0.37 | 0.06 | 0.21 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 |
| 49 | MD | Sparrows Point, LLC | 8239711 | 005-0147-6-0939 | L | 0.35 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 | 0.02 | 0.01 | 0.31 | 0.05 | 0.17 | 0.02 | 0.01 | 0.35 | 0.06 | 0.20 |
| 50 | PA | HERCULES CEMENT CO LP/STOCKERTOWN | 3881611 | S03 | L | 0.34 | 0.02 | 0.02 | 0.34 | 0.06 | 0.19 | 0.02 | 0.01 | 0.30 | 0.05 | 0.17 | 0.01 | 0.01 | 0.28 | 0.05 | 0.16 |
| 51 | IN | US STEEL GARY WORKS | 8192011 | | S | 0.34 | 0.01 | 0.01 | 0.20 | 0.03 | 0.11 | 0.01 | 0.02 | 0.34 | 0.06 | 0.19 | 0.01 | 0.02 | 0.27 | 0.05 | 0.15 |
| 52 | KY | Isp Chemicals Inc. | 7365311 | 0AA | L | 0.33 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.03 | 0.00 | 0.33 | 0.06 | 0.18 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 |
| 53 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S18 | L | 0.33 | 0.02 | 0.00 | 0.25 | 0.04 | 0.14 | 0.03 | 0.00 | 0.33 | 0.06 | 0.18 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 |
| 54 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S28 | L | 0.33 | 0.02 | 0.00 | 0.25 | 0.04 | 0.14 | 0.03 | 0.00 | 0.33 | 0.06 | 0.18 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 |
| 55 | IN | ALCOA INC. - WARRICK OPERATIONS | 8181811 | | S | 0.33 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.03 | 0.00 | 0.33 | 0.06 | 0.18 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 |
| 56 | NC | KapStone Kraft Paper Corporation | 8048011 | ST-1,2 | L | 0.32 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 | 0.01 | 0.02 | 0.32 | 0.06 | 0.18 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 |
| 57 | IN | Citizens Thermal | 4885311 | 4 | L | 0.32 | 0.02 | 0.01 | 0.25 | 0.04 | 0.14 | 0.02 | 0.01 | 0.32 | 0.06 | 0.18 | 0.01 | 0.01 | 0.21 | 0.04 | 0.12 |
| 58 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Big Bill/PG | L | 0.30 | 0.02 | 0.00 | 0.30 | 0.05 | 0.17 | 0.01 | 0.01 | 0.26 | 0.05 | 0.15 | 0.02 | 0.01 | 0.27 | 0.05 | 0.15 |
| 59 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152407 | L | 0.30 | 0.02 | 0.00 | 0.27 | 0.05 | 0.15 | 0.02 | 0.01 | 0.30 | 0.05 | 0.17 | 0.02 | 0.01 | 0.28 | 0.05 | 0.15 |
| 60 | IN | Citizens Thermal | 4885311 | 1 | L | 0.27 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 | 0.02 | 0.01 | 0.27 | 0.05 | 0.15 | 0.01 | 0.00 | 0.19 | 0.03 | 0.11 |
| 61 | TN | EASTMAN CHEMICAL COMPANY | 3982311 | B3251 | L | 0.27 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 | 0.01 | 0.01 | 0.27 | 0.05 | 0.15 | 0.01 | 0.01 | 0.26 | 0.05 | 0.15 |
| 62 | WV | DUPONT WASHINGTON WORKS | 4878911 | | S | 0.27 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 | 0.01 | 0.01 | 0.27 | 0.05 | 0.15 | 0.01 | 0.01 | 0.23 | 0.04 | 0.13 |
| 63 | NY | MORTON SALT DIV | 7814711 | 1 | L | 0.27 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.02 | 0.00 | 0.27 | 0.05 | 0.15 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 64 | OH | Kraton Polymers U.S. LLC (0684010011) | 8130511 | 152405 | L | 0.26 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 | 0.02 | 0.01 | 0.26 | 0.05 | 0.15 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 |
| 65 | OH | Youngstown Thermal (0250110024) | 7219511 | | S | 0.26 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.02 | 0.00 | 0.26 | 0.05 | 0.15 |
| 66 | KY | Century Aluminum Sebree LLC | 7352311 | SO2ENG | L | 0.26 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.02 | 0.00 | 0.26 | 0.05 | 0.14 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 |
| 67 | MI | ESCANABA PAPER COMPANY | 8126511 | SV0117 | L | 0.26 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 | 0.01 | 0.01 | 0.26 | 0.05 | 0.14 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 68 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | | S | 0.26 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 | 0.01 | 0.01 | 0.26 | 0.04 | 0.14 | 0.01 | 0.01 | 0.14 | 0.02 | 0.08 |
| 69 | IL | Tate & Lyle Ingredients Americas LLC | 7793311 | 292 | L | 0.26 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.02 | 0.00 | 0.26 | 0.04 | 0.14 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 |
| 70 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146165 | L | 0.25 | 0.02 | 0.00 | 0.25 | 0.04 | 0.14 | 0.02 | 0.00 | 0.20 | 0.04 | 0.11 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 |
| 71 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 34 | L | 0.25 | 0.01 | 0.01 | 0.17 | 0.03 | 0.09 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 |
| 72 | IN | US STEEL GARY WORKS | 8192011 | 0 | L | 0.25 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.01 | 0.25 | 0.04 | 0.14 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 |
| 73 | OH | Fluor-B&W Portsmouth LLC (0666005004) | 15485811 | 146164 | L | 0.24 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 | 0.01 | 0.00 | 0.19 | 0.03 | 0.11 | 0.02 | 0.00 | 0.19 | 0.03 | 0.10 |
| 74 | IN | INDIANA UNIVERSITY | 4553211 | 3 | L | 0.24 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.02 | 0.00 | 0.24 | 0.04 | 0.13 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 |
| 75 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | S02 | L | 0.23 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.02 | 0.00 | 0.23 | 0.04 | 0.13 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 |
| 76 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 1 | L | 0.22 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 |
| 77 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | 1 | L | 0.22 | 0.02 | 0.00 | 0.22 | 0.04 | 0.12 | 0.01 | 0.00 | 0.15 | 0.03 | 0.09 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 |
| 78 | PA | USS CORP/EDGAR THOMSON WORKS | 7409311 | | S | 0.21 | 0.01 | 0.01 | 0.21 | 0.04 | 0.12 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.01 | 0.01 | 0.21 | 0.04 | 0.12 |
| 79 | IN | INDIANA UNIVERSITY | 4553211 | 2 | L | 0.21 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 |
| 80 | IN | BALL STATE UNIVERSITY | 4873211 | 1 | L | 0.21 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 81 | IN | BALL STATE UNIVERSITY | 4873211 | 2 | L | 0.21 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.02 | 0.00 | 0.21 | 0.04 | 0.12 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 |
| 82 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-No. 4 PB | L | 0.20 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 | 0.01 | 0.00 | 0.14 | 0.03 | 0.08 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 83 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Coal | L | 0.20 | 0.02 | 0.00 | 0.20 | 0.03 | 0.11 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.18 | 0.03 | 0.10 |
| 84 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 14 | L | 0.19 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.02 | 0.00 | 0.19 | 0.03 | 0.11 | 0.01 | 0.00 | 0.13 | 0.02 | 0.08 |
| 85 | PA | APPLETON PAPERS/SPRING MILL | 7872711 | S09 | L | 0.19 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.19 | 0.03 | 0.11 | 0.01 | 0.01 | 0.16 | 0.03 | 0.09 |
| 86 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | | S | 0.19 | 0.00 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.01 | 0.19 | 0.03 | 0.11 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 87 | NY | ALCOA MASSENA OPERATIONS (WEST PLA | 7968211 | SA398 | L | 0.19 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.02 | 0.00 | 0.17 | 0.03 | 0.09 | 0.02 | 0.00 | 0.19 | 0.03 | 0.10 |
| 88 | TN | PACKAGING CORPORATION OF AMERICA | 4963011 | ST1198 | L | 0.19 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.01 | 0.01 | 0.19 | 0.03 | 0.10 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 89 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | 59727 | L | 0.18 | 0.01 | 0.00 | 0.13 | 0.02 | 0.07 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.02 | 0.00 | 0.18 | 0.03 | 0.10 |
| 90 | ME | SAPPI - SOMERSET | 8200111 | 1 | L | 0.18 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.01 | 0.18 | 0.03 | 0.10 |
| 91 | NJ | Gerresheimer Moulded Glass | 12804611 | | S | 0.18 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.18 | 0.03 | 0.10 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 |
| 92 | IN | US STEEL GARY WORKS | 8192011 | 301 | L | 0.17 | 0.00 | 0.01 | 0.09 | 0.02 | 0.05 | 0.00 | 0.01 | 0.17 | 0.03 | 0.09 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 |
| 93 | OH | Youngstown Thermal (0250110024) | 7219511 | 56897 | L | 0.16 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 |
| 94 | PA | AMER REF GROUP/BRADFORD | 6532511 | S13 | L | 0.16 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.16 | 0.03 | 0.09 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 |
| 95 | IN | Indiana Harbor East | 3986511 | 134 | L | 0.16 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 | 0.00 | 0.01 | 0.16 | 0.03 | 0.09 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 96 | NY | CARGILL SALT CO- WATKINS GLEN PLANT | 8176611 | 1 | L | 0.15 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.15 | 0.03 | 0.08 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 97 | NY | FINCH PAPER LLC | 8325211 | 12 | L | 0.15 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.00 | 0.01 | 0.15 | 0.03 | 0.08 |
| 98 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 6 | L | 0.14 | 0.00 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.01 | 0.14 | 0.03 | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 99 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 7 | L | 0.14 | 0.00 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.01 | 0.14 | 0.03 | 0.08 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 100 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 25 | L | 0.14 | 0.00 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.01 | 0.14 | 0.03 | 0.08 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 101 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | 2 | L | 0.14 | 0.00 | 0.01 | 0.14 | 0.02 | 0.08 | 0.00 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.01 | 0.12 | 0.02 | 0.07 |
| 102 | PA | UNITED REFINING CO/WARREN PLT | 4966711 | S27 | L | 0.14 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.01 | 0.00 | 0.14 | 0.02 | 0.08 | 0.01 | 0.00 | 0.06 | 0.01 | 0.03 |
| 103 | VA | Huntington Ingalls Incorporated -NN Shipbl | 4938811 | | S | 0.13 | 0.00 | 0.01 | 0.13 | 0.02 | 0.08 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.01 | 0.09 | 0.02 | 0.05 |
| 104 | PA | INTL WAXES INC/FARMERS VALLEY | 6582111 | | S | 0.12 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 105 | NC | DAK Americas LLC | 8122511 | ES-01 | L | 0.12 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 106 | NC | DAK Americas LLC | 8122511 | ES-02 | L | 0.12 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.12 | 0.02 | 0.07 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 107 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0009 | L | 0.11 | 0.01 | 0.01 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 |
| 108 | MI | U S STEEL GREAT LAKES WORKS | 8483611 | FUG001 | L | 0.11 | 0.00 | 0.00 | 0.06 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 109 | MI | St. Marys Cement, Inc. (U.S.) | 8160611 | SV0011 | L | 0.11 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.08 | 0.01 | 0.05 |
| 110 | MA | SOLUTIA INCORPORATED | 7236411 | 5 | L | 0.11 | 0.00 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 |
| 111 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 31 | L | 0.11 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 112 | NY | INTERNATIONAL PAPER TICONDEROGA MI | 7991711 | 44 | L | 0.11 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.08 | 0.01 | 0.05 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 |
| 113 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 5 | L | 0.11 | 0.01 | 0.00 | 0.08 | 0.01 | 0.04 | 0.01 | 0.00 | 0.11 | 0.02 | 0.06 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 114 | OH | BDM Warren Steel Operations, LLC (02780 | 8063611 | | S | 0.10 | 0.00 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 |
| 115 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 8 | L | 0.10 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.10 | 0.02 | 0.06 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 |
| 116 | TN | Cargill Corn Milling | 5723011 | 8001 | L | 0.10 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.01 | 0.00 | 0.06 | 0.01 | 0.04 |
| 117 | NC | Blue Ridge Paper Products - Canton Mill | 7920511 | EP-Riley Bark | L | 0.10 | 0.01 | 0.00 | 0.10 | 0.02 | 0.05 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 |
| 118 | IN | ArcelorMittal Burns Harbor Inc. | 7376511 | 4 | L | 0.09 | 0.01 | 0.00 | 0.07 | 0.01 | 0.04 | 0.01 | 0.00 | 0.09 | 0.02 | 0.05 | 0.01 | 0.00 | 0.06 | 0.01 | 0.04 |
| 119 | NC | KapStone Kraft Paper Corporation | 8048011 | | S | 0.09 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 | 0.00 | 0.00 | 0.09 | 0.02 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |
| 120 | TN | Cargill Corn Milling | 5723011 | 8301 | L | 0.09 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.01 | 0.00 | 0.09 | 0.01 | 0.05 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 |

| | Facility Info | | | | | | 2002 Meteorology | | | | | 2011 Meteorology | | | | | 2015 Meteorology | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rank | State | Facility Name | Facility/ ORIS ID | Unit IDs | Type | Maximum Extinction (Mm-1) | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV | 24-hr Max SO4 Ion (µg/m3) | 24-hr Max NO3 Ion (µg/m3) | Est Extinction (Mm-1) | 20% Worst 24-hr Max ΔDV | 20% Best 24-hr Max ΔDV |
| 121 | NY | FINCH PAPER LLC | 8325211 | | S | 0.08 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.01 | 0.08 | 0.01 | 0.04 |
| 122 | ME | WOODLAND PULP LLC | 5974211 | | S | 0.07 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.01 | 0.02 | 0.00 | 0.00 | 0.07 | 0.01 | 0.04 |
| 123 | PA | PPG IND INC/WORKS NO 6 | 6463511 | | S | 0.06 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.06 | 0.01 | 0.03 | 0.00 | 0.01 | 0.06 | 0.01 | 0.04 |
| 124 | ME | VERSO PAPER - ANDROSCOGGIN MILL | 7764711 | | S | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 125 | IN | SABIC INNOVATIVE PLASTICS MT. VERNON | 7364611 | | S | 0.05 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 126 | ME | Madison Paper | 5253911 | | S | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 127 | ME | SAPPI - SOMERSET | 8200111 | 37 | L | 0.05 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.05 | 0.01 | 0.03 |
| 128 | ME | FMC BIOPOLYMER | 5692011 | | S | 0.04 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 129 | NH | DARTMOUTH COLLEGE | 7199811 | | S | 0.04 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 | 0.00 | 0.00 | 0.04 | 0.01 | 0.02 |
| 130 | ME | HUHTAMAKI INC - WATERVILLE | 5691611 | | S | 0.03 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.03 | 0.00 | 0.01 |
| 131 | NY | NORLITE CORP | 8090911 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 |
| 132 | NJ | Atlantic County Utilities Authority Landfill | 8093211 | | S | 0.02 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 133 | NH | GORHAM PAPER & TISSUE LLC | 7866711 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 134 | VA | Philip Morris Usa Inc - Park 500 | 5795511 | | S | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| 135 | ME | THE JACKSON LABORATORY | 7945211 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| 136 | KY | Century Aluminum Sebree LLC | 7352311 | | S | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 | 0.00 |
| 137 | MA | SOLUTIA INCORPORATED | 7236411 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 138 | ME | SAPPI - SOMERSET | 8200111 | | S | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

**(Return to Section 4.0 Mane-VU Modeling Results)**