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**REVISION NOTE #1:**

Document #9699, effective 5-1-10, adopted new rules in a new Part Env-Dw 701, and readopted with amendments and renumbered former rules Env-Ws 310.01 and Part Env-Ws 312 through Part Env-Ws 316 under a new subtitle, respectively, as Env-Dw 701.01 and Part Env-Dw 702 through Part Env-Dw 706.

Documents #9699, #9670, and #9671 replaced all prior filings for the former rules as cited above. The prior filings for these former rules, beginning with Document #6521, eff 6-4-97, which had readopted with amendments the entire Chapter Env-Ws 300, include the following documents:

Env-Ws 312, 313, and 314

- #6521, eff 6-4-97
- #8360, INTERIM, eff 6-4-05
- #8474, eff 11-30-05

Env-Ws 315

- #6521, eff 6-4-97
- #7735, eff 8-2-02
- #8360, INTERIM, eff 6-4-05
- #8474, eff 11-30-05

Env-Ws 316

- #6521, eff 6-4-97
- #7645, eff 2-8-02
- #8360, INTERIM, eff 6-4-05
- #8474, eff 11-30-05

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CHAPTER Env-Dw 700 WATER QUALITY: STANDARDS, MONITORING, TREATMENT, COMPLIANCE, AND REPORTING

Statutory Authority: RSA 485:2, V; RSA 485:41, IV

PART Env-Dw 702 MICROBIOLOGICAL MCLs AND MCLGs

Env-Dw 702.01 Applicability of Microbiological MCLs and MCLGs. The microbiological MCLs and MCLGs shall apply to all systems as defined in Env-Dw 701.05.

Source. (See Revision Note (RN) #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

Env-Dw 702.02 Determination of Compliance with Microbiological MCLs and MCLGs.

(a) Each O/O shall monitor for microbiological contaminants as specified in Env-Dw 707, Env-Dw 708, and Env-Dw 709.

(b) Any of the following shall constitute an exceedance of the Escherichia coli (E. coli) MCL:

- (1) The system has an E. coli-positive repeat sample following a total coliforms-positive routine sample;
- (2) The system has an E. coli-positive or total coliforms-positive repeat sample following an E. coli-positive routine sample;
- (3) The system fails to take all required repeat samples following an E. coli-positive routine sample; or
- (4) The system fails to test for E. coli when any repeat sample tests positive for total coliform.

(c) Upon completing all monitoring required for each sampling period, an O/O shall determine compliance with the E. coli MCL and the microbiological MCLGs and whether any coliform triggers have been exceeded, as specified in Env-Dw 707, Env-Dw 708, and Env-Dw 709.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

Env-Dw 702.03 MCLs and MCLGs for Microbiological Contaminants. MCLs and MCLGs for microbiological contaminants shall be as stated in Table 702-1, below:

Table 702-1: Microbiological MCLs and MCLGs

<b>Microbiological Contaminant</b>	<b>MCL</b>	<b>MCLG</b>
Cryptosporidium	None established	Zero
<u>E. coli</u>	See 702.02(b)	Zero
<u>Giardia Lamblia</u>	None established	Zero
<u>Legionella</u>	None established	Zero
Viruses	None established	Zero

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

PART Env-Dw 703 RADIONUCLIDE CONTAMINANT MCLs AND MCLGs

Env-Dw 703.01 MCLs and MCLGs for Radionuclide Contaminants.

(a) For a community water system, the MCLs and MCLGs for radionuclide contaminants shall be as stated in Table 703-1, below:

Table 703-1: MCLs and MCLGs for Radionuclide Contaminants

Radionuclide Contaminant	MCL	MCLG
Compliance Gross Alpha	15 pCi/L	0 pCi/L
Radium 226 + 228	5 pCi/L	0 pCi/L
Uranium	30 µg/L	0 µg/L
Beta Particle and Photon Radioactivity	4 mrem/year	0 mrem/year

(b) Compliance with radionuclide contaminant MCLs shall be:

- (1) Calculated as specified in Env-Dw 710; and
- (2) Based on the monitoring as specified in Env-Dw 707, Env-Dw 708, and Env-Dw 710.

(c) The combined radium-226 and radium-228 value shall be determined by the addition of the results of the analysis for radium-226 and the analysis for radium-228, provided both analyses are performed on samples collected on the same day.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19; ss by #12819, eff 6-28-19

Env-Dw 703.02 Radon Testing for New Water Supply Sources.

(a) Analysis for radon shall only be required as part of the approval process for new community or non-transient non-community water supply sources or a new source at an existing community or non-transient non-community water system pursuant to applicable provisions of Env-Dw 302, Env-Dw 305, Env-Dw 405, and Env-Dw 406.

(b) If the local legislative body of a political subdivision that is developing a new public water system or a new well for an existing public water system does not vote to approve funding for the radon test and the test is not fully funded by the state, the department shall not require the test to be performed by that political subdivision for that system or well.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19; ss by #12819, eff 6-28-19

Env-Dw 703.03 Beta Particle and Photon Radioactivity from Man-Made Sources.

(a) The average annual concentration of beta particle and photon radioactivity from man-made radionuclides in drinking water provided by a community water system shall not produce an annual dose equivalent to the total body or any internal organ greater than 4 mrem/year.

(b) In accordance with 40 CFR 141.66(d)(2) except for the radionuclides listed in Table 703-2, below, the concentration of man-made radionuclides causing 4 millirem total body organ dose equivalents shall be calculated on the basis of an intake of 2 liters of drinking water per day using 168 hour data as listed in “Maximum Permissible Body Burdens and Maximum Permissible Concentrations of Radionuclides in Air and in Water for Occupational Exposure,” National Bureau of Standards Handbook 69 as amended August 1963, U.S. Department of Commerce.

(c) If 2 or more radionuclides are present, the sum of their annual dose equivalent to the total body or to any organ shall not exceed 4 mrem/year.

(d) The average annual concentrations assumed to produce a total body or organ dose of 4 mrem/year shall be as specified in Table 703-2, below:

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Table 703-2: Average Annual Concentrations Assumed to Produce a Total Body or Organ Dose of 4 mrem/year

Radionuclide	Critical Organ	Average Annual Concentration (pCi/L)
Tritium	Total Body	20,000
Strontium 90	Bone Marrow	8

(e) Compliance shall be determined in accordance with Env-Dw 707, Env-Dw 708, and Env-Dw 710.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19; ss by #12819, eff 6-28-19

PART Env-Dw 704 REGULATED INORGANIC CHEMICAL CONTAMINANT MCLs AND MCLGs

Env-Dw 704.01 Applicability of MCLs and MCLGs for Health-Related Regulated Inorganic Chemical (IOC) Contaminants.

(a) Except as provided in (b) and (c), below, the MCLs and MCLGs for the health-related regulated inorganic chemical (IOC) contaminants specified in Env-Dw 704.02 shall apply to community water systems and non-transient non-community water systems.

(b) The MCLs and MCLGs for nitrate and nitrite specified in Env-Dw 704.02 shall apply to community water systems, non-transient non-community water systems, and transient non-community water systems.

(c) The MCL and MCLG for fluoride shall apply to all community water systems and only those non-transient non-community water systems that serve day care centers or schools with children under 9 years of age.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

Env-Dw 704.02 MCLs and MCLGs for Health-Related Regulated IOC Contaminants. The MCLs and MCLGs for health-related regulated IOC contaminants shall be as listed in Table 704-1, below:

Table 704-1: IOC MCLs and MCLGs

IOC Contaminant	MCL (mg/L unless otherwise specified)	MCLG (mg/L unless otherwise specified)
Antimony	0.006	0.006
Arsenic through June 30, 2021	0.010	Zero
Arsenic as of July 1, 2021	0.0050	Zero
Asbestos	7 million fibers/L (longer than 10 µm)	7 million fibers/L (longer than 10 µm)
Barium	2	2
Beryllium	0.004	0.004
Cadmium	0.005	0.005
Chromium	0.1	0.1
Copper	See Env-Dw 704.03	1.3
Cyanide (as free Cyanide)	0.2	0.2
Fluoride (also see Env-Dw 706)	4.0	4.0
Lead	See Env-Dw 704.03	Zero
Mercury	0.002	0.002
Nitrate (as N)	10	10
Nitrite (as N)	1	1
Total Nitrate + Nitrite	10	10
Selenium	0.05	0.05
Thallium	0.002	0.0005

*Adopted effective 5-28-20, Document #2020-2*

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Env-Dw 704.03 Lead and Copper. The concentrations of lead and copper in drinking water shall be regulated as specified in Env-Dw 714.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

PART Env-Dw 705 REGULATED ORGANIC CHEMICAL CONTAMINANT MCLs AND MCLGs

Env-Dw 705.01 MCLs and MCLGs for Health-Related Regulated Volatile Organic Chemical (VOC) Contaminants.

(a) The MCLs and MCLGs for the health-related regulated volatile organic chemical (VOC) contaminants specified in (b), below, shall apply to each community water system and each non-transient non-community water system that has not requested and received a waiver as provided in Env-Dw 712.19.

(b) The MCLs and MCLGs for health-related regulated VOC contaminants shall be as stated in Table 705-1, below:

Table 705-1: VOC MCLs and MCLGs

VOC Contaminant	MCL (mg/L)	MCLG (mg/L)
Benzene	0.005	Zero
Carbon tetrachloride	0.005	Zero
o-Dichlorobenzene (1,2-Dichlorobenzene)	0.6	0.6
para-Dichlorobenzene (1,4-Dichlorobenzene)	0.075	0.075
1,2-Dichloroethane	0.005	Zero
1,1-Dichloroethylene	0.007	0.007
cis-1,2-Dichloroethylene	0.07	0.07
trans-1,2-Dichloroethylene	0.1	0.1
Dichloromethane (Methylene chloride)	0.005	Zero
1,2-Dichloropropane	0.005	Zero
Ethylbenzene	0.7	0.7
Methyl tertiary-butyl ether (MtBE)	0.013	0.013
Monochlorobenzene (chlorobenzene)	0.1	0.1
Styrene	0.1	0.1
Tetrachloroethylene	0.005	Zero
Toluene	1	1
1,2,4- Trichlorobenzene	0.07	0.07
1,1,1-Trichloroethane	0.2	0.20
1,1,2-Trichloroethane	0.005	0.003
Trichloroethylene	0.005	Zero
Vinyl chloride	0.002	Zero
Xylene, Total	10	10

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

Env-Dw 705.02 MCLs and MCLGs for Health-Related Regulated Synthetic Organic Chemical (SOC) Contaminants.

(a) The MCLs and MCLGs for the health-related regulated synthetic organic chemical (SOC) contaminants specified in (b), below, shall apply to any community water system or non-transient non-community water system that has not requested and received a waiver as provided in Env-Dw 712.19.

(b) Subject to (c), below, the MCLs and MCLGs for SOC contaminants shall be as stated in Table 705-2, below:

Table 705-2: SOC Contaminant MCLs and MCLGs

SOC Contaminant	MCL (mg/L)	MCLG (mg/L)
Alachlor (Lasso)	0.002	Zero
Aldicarb (Temik)	0.003	0.001
Aldicarb sulfoxide	0.004	0.001
Aldicarb sulfone (aldoxycarb)	0.002	0.001
Atrazine (Atranex, Crisazine)	0.003	0.003
Carbofuran (Furadon, 4F)	0.04	0.04
Chlordane	0.002	Zero
Dalapon	0.2	0.2
Dibromochloropropane (DBCP)	0.0002	Zero
Di(2-ethylhexyl)adipate	0.4	0.4
Di(2-ethylhexyl)phthalate	0.006	Zero
Dinoseb	0.007	0.007
Diquat	0.02	0.02
Endothall	0.1	0.1
Endrin	0.002	0.002
Ethylene Dibromide (EDB)	0.00005	Zero
Glyphosate	0.7	0.7
Heptachlor	0.0004	Zero
Heptachlor Epoxide	0.0002	Zero
Hexachlorobenzene	0.001	Zero
Hexachlorocyclopentadiene	0.05	0.05
Lindane	0.0002	0.0002
Methoxychlor (DMDT, Martate)	0.04	0.04
Oxamyl (Vydate)	0.2	0.2
PAH - Benzo(a)pyrene	0.0002	Zero
Picloram	0.5	0.5
Polychlorinated Biphenyls (PCB)	0.0005	Zero
Pentachlorophenol	0.001	Zero
Simazine	0.004	0.004
Toxaphene	0.003	Zero
2,3,7,8 TCDD (Dioxin)	0.00000003	Zero
2,4,5 TP (Silvex)	0.05	0.05
2,4 D	0.07	0.07

(c) Analysis for the following contaminants shall be required only as part of the initial pumping test and water quality sampling program required by Env-Dw 302, Env-Dw 305, Env-Dw 404, or Env-Dw 406, as applicable, based on the identification of a potential source of one or more of the contaminants in the preliminary contamination source inventory completed pursuant to Env-Dw 302.12, Env-Dw 305.12, Env-Dw 404.01, or Env-Dw 406.14, as applicable:

- (1) Polychlorinated biphenyls (PCB);
- (2) Dalapon;
- (3) Endothall; and
- (4) 2,3,7,8 TCDD (Dioxin).

(d) Monitoring and compliance for SOC contaminants shall be as specified in Env-Dw 707, Env-Dw 708, and Env-Dw 712.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

Env-Dw 705.03 MCLs and MCLGs for Health-Related Disinfection Byproducts.

- (a) The MCLs and MCLGs for the health-related disinfection byproducts specified in (c) and (d), below, respectively, shall apply to each community water system, non-transient non-community water system, and transient non-community water system at which any chemical disinfectant is added to the water in any part of the drinking water treatment process.
- (b) Monitoring for disinfectant byproducts shall be as specified in Env-Dw 715.
- (c) The MCLs for disinfection byproducts shall be as specified in Table 705-3 below:

Table 705-3: Disinfection Byproducts

<b>Contaminant</b>	<b>MCL (mg/L)</b>
Total trihalomethanes (TTHM)	0.080
Haloacetic acids (five) (HAA5)	0.060
Bromate	0.010
Chlorite	1.0

- (d) The MCLGs for disinfection byproducts shall be as specified in Table 705-4, below:

Table 705-4: MCLGs for Disinfection Byproducts

<b>Contaminant</b>	<b>MCLG (mg/L)</b>
Bromodichloromethane	0
Bromoform	0
Bromate	0
Chlorite	0.8
Chloroform	0.07
Dibromochloromethane	0.06
Dichloroacetic Acid	0
Monochloroacetic Acid	0.07
Trichloroacetic Acid	0.02

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

Env-Dw 705.04 Health-Related Regulated Residual Disinfectants.

- (a) The maximum residual disinfection levels (MRDLs) specified in (c), below, shall apply to each community water system and non-transient non-community water system at which any chemical disinfectant is added to the water in any part of the drinking water treatment process.
- (b) The chlorine dioxide MRDL specified in (c), below, shall apply to each public water system at which chlorine dioxide is used as a disinfectant or oxidant.
- (c) The MRDLs and maximum residual disinfection level goals (MRDLGs) for disinfectant residuals shall be as specified in Table 705-5 below:

Table 705-5: MRDLs and MRDLGs

<b>Contaminant</b>	<b>MRDL (mg/L)</b>	<b>MRDLG (mg/L)</b>
Chlorine, as Cl <sub>2</sub>	4.0	4
Chloramines, as Cl <sub>2</sub>	4.0	4
Chlorine Dioxide, as ClO <sub>2</sub>	0.8	0.8

(d) Monitoring and compliance for residual disinfectants shall be as specified in Env-Dw 715.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

Env-Dw 705.05 Special Treatment Chemicals.

(a) The MCLs and MCLGs for the treatment chemicals specified in (b), below, shall apply to community water systems and non-transient non-community water systems.

(b) The MCLs and MCLGs for treatment chemicals shall be as specified in Table 705-6, below:

Table 705-6: MCLs and MCLGs for Certain Treatment Chemicals

<b>Contaminant</b>	<b>MCL</b>	<b>MCLG</b>
Acrylamide	0.05% dose at 1 mg/L	Zero
Epichlorohydrin	0.01% dose at 20 mg/L	Zero

(c) Compliance with the MCLs and MCLGs in Table 705-6, above, shall be determined in accordance with Env-Dw 712.19.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

Env-Dw 705.06 MCLs and MCLGs for Per- and Polyfluoroalkyl Substances (PFAS) Contaminants.

(a) The MCLs and MCLGs for the per- and polyfluoroalkyl substances contaminants specified in (b), below, shall apply to community water systems and non-transient non-community water systems.

(b) The MCLs and MCLGs for PFAS contaminants shall be as specified in Table 705-7, below:

Table 705-7: PFAS Contaminant MCLs and MCLGs

<b>PFAS Contaminant</b>	<b>MCL (mg/L)</b>	<b>MCLG (mg/L)</b>
Perfluorohexane sulfonic acid (PFHxS)	0.000018	0
Perfluorononanoic acid (PFNA)	0.000011	0
Perfluorooctane sulfonic acid (PFOS)	0.000015	0
Perfluorooctanoic acid (PFOA)	0.000012	0

(c) Monitoring and compliance for PFAS contaminants shall be as specified in Env-Dw 707, Env-Dw 708, and Env-Dw 712.

Source. #12838, eff 9-30-19

PART Env-Dw 706 REGULATED SECONDARY CONTAMINANT MCLs (SMCLs)

Env-Dw 706.01 Regulated Secondary Contaminants SMCLs.

(a) This part shall apply to contaminants in drinking water at concentrations that primarily affect aesthetic qualities relating to the public acceptance of drinking water, known as secondary contaminants. At considerably higher concentrations of secondary contaminants, health implications may also exist.

(b) Subject to (c), below, the SMCLs for community water systems and non-transient non-community water systems shall be as stated in Table 706-1, below:

Table 706-1: Secondary Maximum Contaminant Levels

<b>Contaminant</b>	<b>SMCL</b>
Aluminum	0.05 - 0.2 mg/L
Chloride	250 mg/L



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Contaminant	SMCL
Color	15 color units
Copper	1.0 mg/L
Corrosivity	Non-corrosive
Fluoride	2.0 mg/L
Foaming Agents	0.5 mg/L
Iron	0.3 mg/L
Manganese	0.05 mg/L
Methyl tertiary-butyl ether (MtBE)	0.020 mg/L
Odor	3 threshold odor number
pH	6.5 - 8.5
Silver	0.1 mg/L
Sodium	250 mg/L
Sulfate	250 mg/L
Sulfide	0.05 mg/L
Total Dissolved Solids (TDS)	500 mg/L
Zinc	5 mg/L

(c) For aluminum, the SMCL based on color considerations shall be 0.05 mg/L and the SMCL based on treatment process considerations shall be 0.2 mg/L.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; ss by #12665, eff 1-1-19

Env-Dw 706.02 Monitoring for Aesthetic-Related Regulated Contaminants.

(a) Monitoring for regulated secondary contaminants shall be as specified in Env-Dw 707, Env-Dw 708, and the applicable provision(s) of Env-Dw 711, Env-Dw 712, Env-Dw 713, and Env-Dw 714.

(b) Subject to (c), below, monitoring for the factors listed below shall be waived after initial testing required pursuant to Env-Dw 302, Env-Dw 305, or Env-Dw 406, as applicable:

- (1) Aluminum;
- (2) Color;
- (3) Corrosivity;
- (4) Foaming agents;
- (5) Odor;
- (6) Silver;
- (7) Sulfide; and
- (8) TDS.

(c) The system shall take samples for the appropriate factors listed in (b), above, based on:

- (1) Exceedances of the SMCLs in any of its active water supply sources; or
- (2) Customer complaints attributable to these factors.

Source. (See RN #1 at p. i) #9699, eff 5-1-10; amd by #10771, eff 2-1-15; ss by #12665, eff 1-1-19

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APPENDIX A - STATUTES/REGULATIONS IMPLEMENTED

Rule Section(s)	State Statute(s) Implemented	Federal Regulation(s) Implemented
Env-Dw 702 (also see specific section below)	RSA 485:3, I	40 CFR 141.52; 40 CFR 141.63
Env-Dw 702.02 - 702.03	RSA 485:3, I	40 CFR 141.52; 40 CFR 141.63; 40 CFR 141.860
Env-Dw 702.04	RSA 485:3, I	40 CFR 141.52; 40 CFR 141.63
Env-Dw 703	RSA 485:3, I	40 CFR 141.55; 40 CFR 141.66
Env-Dw 704	RSA 485:3, I	40 CFR 141.51; 40 CFR 141.62
Env-Dw 704.02	RSA 485:3, I, Laws of 2019, 208:1, II	40 CFR 141.51; 40 CFR 141.62
Env-Dw 705 (also see specific sections below)	RSA 485:3, I	40 CFR 141.50; 40 CFR 141.53; 40 CFR 141.54; 40 CFR 141.61; 40 CFR 141.64; 40 CFR 141.65
Env-Dw 705.05	RSA 485:3, IV	40 CFR 141.111
Env-Dw 705.06	RSA 485:3, I; RSA 485:16-e	
Env-Dw 706	RSA 485:3, I(a), I(b)(1), II;	Env-Dw 706

APPENDIX B - FEDERAL DEFINITIONS

**40 CFR §141.2**

*Compliance cycle* means the nine-year calendar year cycle during which public water systems must monitor. Each compliance cycle consists of three three-year compliance periods. The first calendar year cycle begins January 1, 1993 and ends December 31, 2001; the second begins January 1, 2002 and ends December 31, 2010; the third begins January 1, 2011 and ends December 31, 2019.

*Compliance period* means a three-year calendar period within a compliance cycle. Each compliance cycle has three three-year compliance periods. Within the first compliance cycle, the first compliance period runs from January 1, 1993 to December 31, 1995; the second from January 1, 1996 to December 31, 1998, the third from January 1, 1999 to December 31, 2001.

*Corrosion inhibitor* means a substance capable of reducing the corrosivity of water toward metal plumbing materials, especially lead and copper, by forming a protective film on the interior surface of those materials.

*Domestic or other non-distribution system plumbing problem* means a coliform contamination problem in a public water system with more than one service connection that is limited to the specific service connection from which a coliform-positive sample was taken.

*Dose equivalent* means the product of the absorbed dose from ionizing radiation and such factors as account for differences in biological effectiveness due to the type of radiation and its distribution in the body as specified the International Commission on Radiological Units and Measurements (ICRU).

*Initial compliance period* means the first full three-year compliance period which begins at least 18 months after promulgation, except for contaminants listed at §141.61(a)(19)-(21), (c) (19)-(33), and § 141.62(b)(11)-(15), initial compliance period means the first full three-year compliance period after promulgation for systems with 150 or more service connections (January 1993-December 1995), and first full three-year compliance period after the effective date of the regulation (January 1996-December 1998) for systems having fewer than 150 service connections.

*Lead service line* means a service line made of lead which connects the water main to the building inlet and any lead pigtail, gooseneck or other fitting which is connected to such lead line.

*Level 1 assessment* is an evaluation to identify the possible presence of sanitary defects, defects in distribution system coliform monitoring practices, and (when possible) the likely reason that the system triggered the

assessment. It is conducted by the system operator or owner. Minimum elements include review and identification of atypical events that could affect distributed water quality or indicate that distributed water quality was impaired; changes in distribution system maintenance and operation that could affect distributed water quality (including water storage); source and treatment considerations that bear on distributed water quality, where appropriate (e.g. whether a ground water system is disinfected); existing water quality monitoring data; and inadequacies in sample sites, sampling protocol, and sample processing. The system must conduct the assessment consistent with any State directives that tailor specific assessment elements with respect to the size and type of the system and the size, type, and characteristics of the distribution system.

*Level 2 assessment* is an evaluation to identify the possible presence of sanitary defects, defects in distribution system coliform monitoring practices, and (when possible) the likely reason that the system triggered the assessment. A Level 2 assessment provides a more detailed examination of the system (including the system's monitoring and operational practices) than does a Level 1 assessment through the use of more comprehensive investigation and review of available information, additional internal and external resources, and other relevant practices. It is conducted by an individual approved by the State, which may include the system operator. Minimum elements include review and identification of atypical events that could affect distributed water quality or indicate that distributed water quality was impaired; changes in distribution system maintenance and operation that could affect distributed water quality (including water storage); source and treatment considerations that bear on distributed water quality, where appropriate (e.g., whether a ground water system is disinfected); existing water quality monitoring data; and inadequacies in sample sites, sampling protocol, and sample processing. The system must conduct the assessment consistent with any State directives that tailor specific assessment elements with respect to the size and type of the system and the size, type, and characteristics of the distribution system. The system must comply with any expedited actions or additional actions required by the State in the case of an E. coli MCL violation.

*Man-made beta particle and photon emitters* mean all radionuclides emitting beta particles and/or photons listed in Maximum Permissible Body Burdens and Maximum Permissible Concentration of Radionuclides in Air or Water for Occupational Exposure, NBS Handbook 69, except the daughter products of thorium-232, uranium-235 and uranium-238.

*Near the first service connection* means at one of the 20 percent of all service connections in the entire system that are nearest the water supply treatment facility, as measured by water transport time within the distribution system.

*Point-of-entry treatment device* (POE) means a treatment device applied to the drinking water entering a house or building for the purpose of reducing contaminants in the drinking water distributed throughout the house or building.

*Point-of-use treatment device* (POU) means a treatment device applied to a single tap used for the purpose of reducing contaminants in drinking water at that one tap.

*Repeat compliance period* means any subsequent compliance period after the initial compliance period.

*Residual disinfectant concentration* ("C" in CT calculations) means the concentration of disinfectant measured in mg/l in a representative sample of water.

*Too numerous to count* means that the total number of bacterial colonies exceeds 200 on a 47-mm diameter membrane filter used for coliform detection.

#### **40 CFR §141.91 Recordkeeping requirements:**

"Any system subject to the requirements of this subpart shall retain on its premises original records of all sampling data and analyses, reports, surveys, letters, evaluations, schedules, State determinations, and any other information required by §§141.81 through 141.88. Each water system shall retain the records required by this section for no fewer than 12 years."

**APPENDIX C: DEFINITION OF PESTICIDE**

Pes 101.21 “Pesticide” means:

(a) Any chemical or biological agent used to control a pest including but not limited to the following materials:

- (1) Acaricides or miticides;
- (2) Insecticides;
- (3) Nematocides;
- (4) Herbicides;
- (5) Desiccants;
- (6) Defoliant;
- (7) Fungicides;
- (8) Molluscicides;
- (9) Repellents;
- (10) Algaecides;
- (11) Rodenticides;
- (12) Disinfectants; and
- (13) Fumigants; and

(b) Any substance or mixture of substances intended for preventing, destroying, repelling or mitigating any insects, rodents, fungi, weeds or other forms of plant or animal life or viruses which the board declares to be a pest, except viruses on or in living man or other animals, and any substances or mixture of substances intended for use as a plant regulator, defoliant or desiccant.

**APPENDIX D: MONITORING FREQUENCY FOR PFAS CONTAMINANTS BASED ON SPECIFIED MCL**

**Perfluorohexane sulfonic acid (PFHxS); MCL = 18 ng/L**

Average Monitoring Result (ng/L)	Frequency
> 9 to 18	Annually
≤ 9	Every 3 years

**Perfluorononanoic acid (PFNA); MCL = 11 ng/L**

Average Monitoring Result (ng/L)	Frequency
> 5.5 to 11	Annually
≤ 5.5	Every 3 years

**Perfluorooctane sulfonic acid (PFOS); MCL = 15 ng/L**

Average Monitoring Result (ng/L)	Frequency
> 7.5 to 15	Annually
≤ 7.5	Every 3 years

**Perfluorooctanoic acid (PFOA); MCL = 12 ng/L**

Average Monitoring Result (ng/L)	Frequency
> 6 to 12	Annually
≤ 6	Every 3 years