October 11, 2021

Mr. Greg Comstock, P.E.
Supervisor, Water Quality Planning Section
New Hampshire Department of Environmental Services
29 Hazen Drive, P.O. Box 95
Concord, N.H. 03302-0095

Via Electronic Filing

Re: Cocheco Falls Hydroelectric Project FERC No. 4718, Application for Water Quality Certification (Section 401).

Dear Mr. Comstock:

Cocheco Falls Associates (Applicant) is applying for water quality certification (WQC) for the Cocheco Falls Hydroelectric Project (Project), FERC No 4718. The application is for the Federal Energy Regulatory Commission (FERC) relicensing of the continued operation of the project under the terms and conditions of a new license from the FERC. The Applicant is filing the application with the New Hampshire Department of Environmental Services (NHDES) for a WQC pursuant to the provisions of the Federal Clean Water Act, Section 401. The Project is located on the Cocheco River in the town of Dover, N.H.

The Applicant hereby requests that the NHDES review and act on this WQC request within the applicable reasonable period of time. The Applicant is also requesting that a Draft of the WQC be made available for public comment once it has been completed by the NHDES.

If you have any questions or comments regarding this filing, please contact me at (207) 468-5113, or via email at Hydromagnt@gwi.net, or the address above.

Yours truly,

[Signature]
John Webster, Managing Partner
APPLICATION FOR WATER QUALITY CERTIFICATION  
Water Division  
Water Quality Certification Program  

RSA: 485-A:12  

Date of Request 10/11/2021  
Date Request Received by NHDES  

I. Applicant Information  
<table>
<thead>
<tr>
<th>Principal Place of Business of the Applicant</th>
<th>100 Main Street, Dover, NH 03820</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mailing Address [Street, PO Box, RR, etc.]</td>
<td>P.O. Box 178, South Berwick, Maine 03908</td>
</tr>
<tr>
<td>City/Town and Zip Code</td>
<td></td>
</tr>
<tr>
<td>Telephone No.</td>
<td>207-468-5113</td>
</tr>
<tr>
<td>Email Address</td>
<td><a href="mailto:Hydromagnt@gwi.net">Hydromagnt@gwi.net</a></td>
</tr>
<tr>
<td>Name and Title of Signatory Official</td>
<td>John N. Webster, General Partner</td>
</tr>
</tbody>
</table>

II. Project Information  
<table>
<thead>
<tr>
<th>Name of Project</th>
<th>Cocheco Falls Hydroelectric Project</th>
</tr>
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<tr>
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<td>Dover, NH Strafford</td>
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<td>Name of Receiving Waterbody and Drainage Basin</td>
<td>Cocheco River, Cocheco River Watershed</td>
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III. Additional Submittal Information  
PRESS SUBMIT AS MUCH INFORMATION AS POSSIBLE IN ELECTRONIC FORMAT  

phone (603) 271-2457  
fax (603) 271-7894  
PO Box 95, Concord, NH 03302-0095  
www.des.nh.gov  

2020-08-18  
Page 1 of 3
Please provide an individual response to each bullet, below. If applicable information is contained in the application materials, please provide a reference to the specific section in the application materials that will represent the response to the individual bullets below.

- Type of activity (e.g., construction, operation, other action such as water withdrawal) and the start and end dates of the activity.
- The characteristics of the activity: Whether the activity is associated with a discharge and/or water withdrawal and whether the discharge and/or withdrawal is proposed or occurring.
- The characteristics of the discharge and/or withdrawal:
  - Flow rate (cfs)
  - Potential chemical, physical, biological constituents
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- The existing and designated use(s) that are potentially affected by the proposed activities (Designated Uses are listed in the NHDES Consolidated Assessment and Listing Methodology).
- The provision(s) of surface water quality standards (Env-Wq 1700) that are applicable to the designated uses affected by the proposed activities.
- A pollutant loading analysis to show the difference between predevelopment and post-development pollutant loads for a typical year. The objective of the loading analysis is to show post-development pollutant loads do not exceed pre-development pollutant loads. Loading analysis guidance and a simple spreadsheet model will be provided by NHDES. The loading analysis will be used to determine appropriate stormwater management measures, which must be effectively designed, installed, and maintained to ensure compliance with surface water quality standards.
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- An original or color copy/reproduction of a United States Geological Survey Quadrangle Map that clearly shows the location of the activity and all potential discharge points.
- A copy of the final complete federal permit application or federal license application, including the federal permit, license, or project number.
- A copy of the NHDES wetlands permit (RSA 482-A:3), if necessary.
- A copy of the NHDES alteration of terrain permit (RSA 485-A:17), if necessary.
- The name(s) and address(es) of adjoining riparian or littoral abutters.
- A plan showing the proposed activities to scale including:
  - The location(s) and boundaries of the activities;
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  fax (603) 271-7894
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  www.des.nh.gov
NHDES-W-07-003

- a copy of the water conservation plan (WCP) submitted to the NHDES Water Conservation Program and the status of NHDES approval, or
- a copy of a waiver approved by the NHDES Water Conservation Program that waives the requirement to submit a WCP prior to or in conjunction with the application for water quality certification.

[Pursuant to Env-Wq 2101, and unless a waiver is applied for and granted by NHDES, all applicants for water quality certification are required to submit a water conservation plan (WCP) for projects that involve a new withdrawal from a surface water prior to or in conjunction with this application. Contact the NHDES Water Conservation Program for guidance related to drafting a WCP and the review and approval process. Information regarding the WCP, including contact information, may be found at NHDES' Water Conservation website.

- If the project is located within ¼ (one quarter) mile of a designated river, as defined under RSA 483 (the Rivers Management and Protection Act), provide documentation showing that the Local River Management Advisory Committee (LAC) has been provided with a copy of this complete application. A list and map of the designated rivers, as well as contact information, may be found at NHDES' Designated Rivers website.

Signature – MUST BE SIGNED AND DATED BY APPLICANT

To the best of my knowledge, the data and information described above, which I have submitted to the New Hampshire Department of Environmental Services, is true and correct. I understand that an approval of the requested water quality certification based upon incorrect data may be subject to revocation of the certification. I have complied with all local regulations or ordinances relative to the proposed activity and have obtained or will obtain, prior to the commencement of any work, all other approvals that may be required.

Signed: [Signature]
Date: 10/11/2021

phone (603) 271-2457
fax (603) 271-7894
PO Box 95, Concord, NH 03302-0095
www.des.nh.gov
Attachment 1: Responses to Additional Submittal Information, Application for Water Quality Certification: Cocheco Falls Hydroelectric Project.

Please provide an individual response to each bullet, below. If applicable information is contained in the application materials, please provide a reference to the specific section in the application materials that will represent the response to the individual bullets below.

- Type of activity (e.g., construction, operation, other action such as water withdrawal) and the start and end dates of the activity.

See attached FERC Final License Application (FLA) Exhibit A, Section A.1.3. The current FERC license expires December 31, 2021. The expected term of the next FERC license is 40 years.

- The characteristics of the activity: Whether the activity is associated with a discharge and/or water withdrawal and whether the discharge and/or withdrawal is proposed or occurring.

The Cocheco Falls Project is an existing run-of-river hydroelectric facility with an active FERC license. See FERC FLA, Exhibit A, Section A.1.3 for the project description and existing and proposed mode of operation.

- The characteristics of the discharge and/or withdrawal
  Flow rate (cfs)

The Project is an existing run-of-river hydroelectric facility. See attached FERC FLA, Exhibit A, Project Description and Proposed Mode of Operation.

Potential chemical, physical, biological constituents:

See attached FERC FLA, Exhibit E Environmental Report (Sections E.3.0, E.4.0, E.5.0, and E.6.0)

Frequency (e.g., daily, hourly,)

The Cocheco Falls Project is an existing run-of-river hydroelectric facility with an active FERC license. See FERC FLA, Exhibit A, Section A.1.3 for the project description and existing and proposed mode of operation, relative to impoundment levels, turbine flow release, and bypass minimum flows.

Duration

The Cocheco Falls Project is an existing run-of-river hydroelectric facility with an active FERC license. See FERC FLA, Exhibit A, Section A.1.3 for the project description and existing and proposed mode of operation, relative to impoundment levels, turbine flow release, and bypass minimum flows.
Temperature (Celsius)

The penstock draws water from the entire water column of the impoundment (approximately 6 meters depth), therefore, the downstream temperature past the confluence with the bypass reach, will be a result of a mixture of the entire water column when the Project is operating, plus any surface water passed at the dam into the bypass reach to maintain proposed minimum flows. When inflow falls below the Project’s minimum turbine capacity of 100 cfs, the minimum flow for the river reach below the Project powerhouse is passed over the Project Dam. See attached FERC FLA, Appendix B for the Cocheco Falls & Watson Projects FERC Relicensing 2019 Study Report which includes more detailed information regarding temperatures observed in the Project’s vicinity and FERC FLA, Exhibit E Section E.3.0.

Latitude and longitude (dd:mm:ss)

The Project dam is located at: 43°11’47.33” north, 70°52’ 25.27” west.

- The existing and designated use(s) that are potentially affected by the proposed activities. (Designated Uses are listed in the NHDES Consolidated Assessment and Listing Methodology).

See attached FERC FLA, Exhibit E, Section E.3.0 Water Resources.

- The provision(s) of surface water quality standards (Env-Wq 1700) that are applicable to the designated uses affected by the proposed activities.

See attached FERC FLA, Exhibit E, Section E.3.0 Water Resources.

- A pollutant loading analysis to show the difference between predevelopment and post-development pollutant loads for a typical year. The objective of the loading analysis is to show post-development pollutant loads do not exceed pre-development pollutant loads. Loading analysis guidance and a simple spreadsheet model will be provided by NHDES. The loading analysis will be used to determine appropriate stormwater management measures, which must be effectively designed, installed, and maintained to ensure compliance with surface water quality standards.

Not Applicable

- A description of any other aspect of associated with construction and operation of the activity that would affect the chemical composition, temperature, flow, or physical aquatic habitat of the surface water.

There is no construction proposed at this time, aside from the upstream eel passage facilities associated with eel passage facility, which are not expected to impact the chemical or physical quality of surface waters. Surface water related chemistry, temperature, flow and physical aquatic habitat are discussed in the attached FERC FLA, Exhibit E, Sections E.3.0 and E.4.0.

- An original or color copy/reproduction of a United States Geological Survey Quadrangle Map that clearly shows the location of the activity and all potential discharge points.
See attached Files 61 A NH_Dover West 329532, and 62 A NH_East 329529 for the United States Geological Survey Quadrangle Maps. FERC FLA, Exhibit A Figure A.1.1.8 for a detailing of Project features and location. Discharge points include the dam (spill over the crest into the bypass reach), and powerhouse (flow through turbines). See attached FLA, Exhibit G for a map showing the Project boundary.

- A copy of the final complete federal permit application or federal license application, including the federal permit, license, or project number.

See attached FERC FLA and existing FERC license order.

- A copy of the NHDES wetlands permit (RSA 482-A:3), if necessary.

Not Applicable

- A copy of the NHDES alteration of terrain permit (RSA 485-A:17), if necessary.

Not Applicable

- The name(s) and address(es) of adjoining riparian or littoral abutters.

See Attachment 2 to this application.

- A plan showing the proposed activities to scale including:

  The location(s) and boundaries of the activities;

  See attached FERC FLA, Exhibit F, file “Sheet 1-3 Exhibit F-CEII” for drawings detailing Project features; and See FERC FLA, Exhibit G for a map showing the Project boundary.

  The location(s), dimension(s), and type(s) of any existing and/or proposed structures;

  See attached FERC FLA, Exhibit F, file “Sheet 1-3 Exhibit F-CEII” for drawings detailing Project features.

  The location(s), name(s), identification number(s), and extent of all potentially affected surface water bodies, including wetlands.

  See attached FERC FLA, Exhibit E Environmental Report. Wetlands are discussed in Section E.5.0.

- For projects that involve a new surface water withdrawal, provide the following:

  Not applicable-the Project does not involved a new surface water withdrawal.
• a copy of a waiver approved by the NHDES Water Conservation Program that waives the requirement to submit a WCP prior to or in conjunction with the application for water quality certification.

Not applicable—the Project does not involve a new surface water withdrawal. An exemption application has been applied for (copy enclosed).

• [Pursuant to Env-Wq 2101, and unless a waiver is applied for and granted by NHDES, all applicants for water quality certification are required to submit a water conservation plan (WCP) for projects that involve a new withdrawal from a surface water prior to or in conjunction with this application. Contact the NHDES Water Conservation Program for guidance related to drafting a WCP and the review and approval process. Information regarding the WCP, including contact information, may be found at http://des.nh.gov/organization/divisions/water/dwgb/water_conservation/index.htmle

• If the project is located within ¼ (one quarter) mile of a designated river, as defined under RSA 483 (the Rivers Management and Protection Act), provide documentation showing that the Local River Management Advisory Committee (LAC) has been provided with a copy of this complete application. A list and map of the designated rivers, as well as contact information, may be found at http://des.nh.gov/organization/divisions/water/wmb/rivers/designriv.htmle

The Cocheco River is a designated river, under the New Hampshire Rivers Management and Protection Act, RSA 483. The project is located in a community designated area. Please find enclosed a copy of the email letter to Mr. John Moon, Cocheco River Local Advisory Committee, Chairman.

• The Cocheco River is a NH designated river. The Cocheco Falls Project is located in a Community designated section of the river. A complete copy of the Local River Management Advisory Committee (LAC) (Mr. John Mullen, Chair) has been provided with a copy of this complete application, via email (Moon1044@gmail.com). The Cocheco River is not listed by the National Park Service (NPS) on the Nationwide Rivers Inventory (NRI).
Attachment #2: List of Abutters

Map #1
1-41-0-0 Dover Housing Auth.
62 Whitter Street, Dover, NH 03820

1-41-0-0 Dover Housing Auth.
62 Whitter Street, Dover, NH 03820

Map #2
2-37-A-0 Cocheco Mills Holding LLC 3 Penstock Way, Newmarket, NH 03857
2-83-1-0 City of Dover 288 Central Avenue, Dover, NH 03820

Map #3
3-63-0-0 Cocheco Mills Holding LLC 3 Penstock Way, Newmarket, NH 03857
3-63-A-0 Cocheco Mills Holding LLC 3 Penstock Way, Newmarket, NH 03857
3-67-0-0 421 Central Avenue 113 Bunker Hill Avenue, Stratham, NH 03885

Map #6
6-1-00 Fisher, Brian & Stephanie 46 North River Road, Lee, NH 03824
6-3-0-0 Riparia – 100 First Street LLC 466 Central Avenue, Suite 12, Dover NH 03820
6-3-1-0 First Street at Garrison LLC 466 Central Avenue, Suite 12, Dover NH 03820

Map #10
10-32-0-0 Robinson, Michael G, 239 Washington Street, Dover, NH 03820
10-33-0-0 Drake, Marjorie A, 235 Washington Street, Dover, NH 03820
10-34-0-0 City of Dover 288 Central Avenue, Dover, NH 03820
10-35-0-0 Meikle, David T & Howard, Judith H Trustee, 80 Burke Street, Portsmouth NH 03801
10-36-0-0 Arbro Property Management LLC, 225 Washington Street, Dover, NH 03820
10-37-0-0 Sidell Family Realty LLC, 144R Summer Street, Malden, MA 02148
10-38-0-0 Strafford, William & Susan W, 217 Washing Street, Dover, NH 03820
10-39-0-0 Benson, William C/O Arthur Thomas Property, 10 Durham Road, Dover, NH 03820-4382
10-40-0-0 City of Dover 288 Central Avenue, Dover, NH 03820
10-41-0-0 192 Washington Square LLC, 242 Central Avenue, Dover, NH 03820
10-43-0-0 Liatsis, John E, 271 Nimble Hill Road, Newington, NH 03801
10-44-0-0 191 Washington Street LLC C/O Chapman, Andrew, PO Box 1253, Dover, NH 03820
10-45-0-0 Weisheit James E & Mary E, 183 Washington Street, Dover, NH 03820
10-1-D-0 Shaheen, Thomas H, 356 Benham Road, Groton, CT 06340
Map #31
31-2-0-0 Osterman Propane LLC, 18 Spring Street Brunswick, ME 04011
31-3-0-0 City of Dover 288 Central Avenue, Dover, NH 03820
31-4-B-0 Cocheco Mills Holding, 3 Penstock Way, Newmarket, NH 03857-4416
31-5-0-0 Harlech LLC, 273 Corporate Drive, Portsmouth, NH 03801
31-103-0-0 Sixth Street Station Condo Owner's Assoc, 10 Station Drive, Dover, NH 03820
Map #32
32-36-D-0 Jaffe Martin J & Carole, 73 Fourth Street, Dover, NH 03820
32-36-F-0 Brewer, Michael & Shelby, 73 Fourth Street, Dover, NH 03820
32-37-0-0 First Homely House LLC, 103 Fourth Street, Dover, NH 03820
32-39-0-0 City of Dover 288 Central Avenue, Dover, NH 03820
32-54-0-0 Gadbois, Laurence A Carrier Trustee, 29 Cedarbrook Drive, Dover, NH 03820
Map #33
33-1-0-0 Gagnon, Jeannine A & Robert Jr., 46 Whitter Street, Dover, NH 03820
33-2-0-0 1623 Settlement Dover LP, 62 Whitter Street, Dover, NH 03820
Map #34
34-20-B-0 City of Dover 288 Central Avenue, Dover, NH 03820
34-21-0-0 City of Dover 288 Central Avenue, Dover, NH 03820
34-22-0-0 City of Dover 288 Central Avenue, Dover, NH 03820
34-23-A-0 Dover Little League, PO Box 443, Dover, NH 03820
NHDES WATER CONSERVATION WAIVER REQUEST

Submit to Kelsey Vaughn via e-mail at waterconservation@des.nh.gov or by mail to:

NHDES – Drinking Water & Groundwater Bureau
Water Use & Conservation Program
c/o Kelsey Vaughn
PO Box 95
Concord, NH 03302-0095

I. System Information

1. Name and location of facility:
   Cocheco Falls Hydroelectric Project, Cocheco River, Dover, NH 03820

2. Requestor contact information (include name, daytime telephone number, and email address):
   John Webster, 207-468-5113, Hydromagnt@gwi.net

3. Description of the facility and water uses:
   This is a hydropower facility with no consumptive water use.

II. Requested Rules to Be Waived

   Env-Wq 2101.05(f) – The owner of a conservation system that is, in whole or in part, an ICI water user shall comply with the requirements specified in Env-Wq 2101.13 and Env-Wq 2101.19 through Env-Wq 2101.22.

III. Reason for Rule Waiver Request

   This is a re-licensing of an existing licensed operating hydroelectric project. There is no water consumption or new construction.

IV. Economic and Operational Consequences of Complying with the Rules Requested to Be Waived

   Not Applicable

V. Proposed Alternatives for Meeting the Intentions of the Rules Requested to Be Waived

   Not Applicable

VI. Length of Time the Waiver Will Be Needed

   Not Applicable

I certify that the information provided in this waiver request is complete, accurate, and not misleading.

[Signature]
Owner Signature

[Date]
Date
John Webster

From: John Webster <hydromagt@gwi.net>
Sent: Monday, October 11, 2021 7:59 AM
To: 'Moon1044@gmail.com'
Subject: Cocheco Falls Hydroelectric Project - WQC Application
Attachments: SCAN0000.PDF

John:

Cocheco Falls Associates is submitting an application for a water quality certification for the Cocheco Falls Hydroelectric Project (FERC No. 4718). Attached is a transmittal letter and completed NH Application for Water Quality Certification. In addition, several attachments containing the Final License Application, supporting environmental studies, and related analyses are being provided for download at the following location due to their large file size: https://www.dropbox.com/home/Cocheco%20Falls.

The specific attachments include the following:
- Attachment 2-Names and Addresses of Adjoining Riparian or Littoral Abutters based on Available Tax Mapping
- Dropbox-Final License Application (Volume 1-Public), December 29, 2020a
- Dropbox-Final License Application (Volume 2-CEII, Sheets 1-3, Exhibit F), December 29, 2020a
- Dropbox-USGS Maps
- NH Cocheco River Base Map

If you have any questions regarding this submittal, please contact feel free to contact me. Thanks

John Webster, Managing Partner
Cocheco Falls Associates
October 11, 2021

Mr. John Mullen, Chair
Cocheco River Local Advisory Committee
34 Shore Drive
Middleton, NH 03887

Via Electronic Filing

Re: Cocheco Falls Hydroelectric Project (FERC Project No. 4718), Applications for Water Quality Certification (Section 401).

Dear Mr. Mullen:

On December 29, 2020, Cocheco Falls Associates (CFA) filed an Application for Subsequent License for Minor Project for the Cocheco Falls Hydroelectric Project (FERC No. 4718) (Project). On August 12, 2021, the Federal Energy Regulatory Commission (FERC or Commission) issued a notice of Application acceptance including the requirement to file one of the following with the Commission:

• a copy of the water quality certification (WQC);
• a copy of the request for certification, including proof of the date on which the certifying agency received the request; or
• evidence of waiver of water quality certification.

By letters dated October 11, 2021 (see Attachments 1 and 2), CFA submitted the Project’s WQC applications to the New Hampshire Department of Environmental Services (NHDES). As part of the WQC application, I need to file a copy of the application w/ you, as the local designated river contact.

If there are any questions or comments regarding this filing, please contact me at (207) 468-5113, or via email at Hydromagnt@gwi.net, or at the address above.

Yours truly,

John Webster
APPLICATION FOR WATER QUALITY CERTIFICATION
Water Division
Water Quality Certification Program

RSA: 485-A:12

Date of Request ___10/11/2021_____________
Date Request Received by NHDES __________________

I. Applicant Information

| Principal Place of Business of the Applicant | 100 Main Street, Dover, NH 03820 |
| Mailing Address [Street, PO Box, RR, etc.] | P.O. Box 178, South Berwick, Maine 03908 |
| City/Town and Zip Code | |
| Telephone No. | 207-468-5113 |
| Email Address | Hydromagnt@gwi.net |
| Name and Title of Signatory Official Responsible for the Activity for which Certification is Sought (e.g., President, Administrator) | John N. Webster, General Partner |

II. Project Information

| Name of Project | Cocheco Falls Hydroelectric Project |
| Name of Town and County that contains the Project | Dover, NH Strafford |
| Name of Receiving Waterbody and Drainage Basin | Cocheco River, Cocheco River Watershed |
| Summary of Activity (e.g., construction, operation, or other practice or action) | Continued operation and maintenance of an existing FERC licensed hydroelectric station, under a new FERC license. |

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PLEASE SUBMIT AS MUCH INFORMATION AS POSSIBLE IN ELECTRONIC FORMAT

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2020-08-18
NHDES-W-07-003

o a copy of the water conservation plan (WCP) submitted to the NHDES Water Conservation Program and the status of NHDES approval, or

o a copy of a waiver approved by the NHDES Water Conservation Program that waives the requirement to submit a WCP prior to or in conjunction with the application for water quality certification.

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**Signature – MUST BE SIGNED AND DATED BY APPLICANT**

To the best of my knowledge, the data and information described above, which I have submitted to the New Hampshire Department of Environmental Services, is true and correct. I understand that an approval of the requested water quality certification based upon incorrect data may be subject to revocation of the certification. I have complied with all local regulations or ordinances relative to the proposed activity and have obtained or will obtain, prior to the commencement of any work, all other approvals that may be required.

Signed: [Signature]

Date: 10/11/2021
Attachment 1: Responses to Additional Submittal Information, Application for Water Quality Certification: Cocheco Falls Hydroelectric Project.

Please provide an individual response to each bullet, below. If applicable information is contained in the application materials, please provide a reference to the specific section in the application materials that will represent the response to the individual bullets below.

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• The characteristics of the discharge and/or withdrawal

Flow rate (cfs)

The Project is an existing run-of-river hydroelectric facility. See attached FERC FLA, Exhibit A, Project Description and Proposed Mode of Operation.

Potential chemical, physical, biological constituents:

See attached FERC FLA, Exhibit E Environmental Report (Sections E.3.0, E.4.0, E.5.0, and E.6.0)

Frequency (e.g., daily, hourly,)

The Cocheco Falls Project is an existing run-of-river hydroelectric facility with an active FERC license. See FERC FLA, Exhibit A, Section A.1.3 for the project description and existing and proposed mode of operation, relative to impoundment levels, turbine flow release, and bypass minimum flows.

Duration

The Cocheco Falls Project is an existing run-of-river hydroelectric facility with an active FERC license. See FERC FLA, Exhibit A, Section A.1.3 for the project description and existing and proposed mode of operation, relative to impoundment levels, turbine flow release, and bypass minimum flows.
Temperature (Celsius)

The penstock draws water from the entire water column of the impoundment (approximately 6 meters depth), therefore, the downstream temperature past the confluence with the bypass reach, will be a result of a mixture of the entire water column when the Project is operating, plus any surface water passed at the dam into the bypass reach to maintain proposed minimum flows. When inflow falls below the Project's minimum turbine capacity of 100 cfs, the minimum flow for the river reach below the Project powerhouse is passed over the Project Dam. See attached FERC FLA, Appendix B for the Cocheco Falls & Watson Projects FERC Relicensing 2019 Study Report which includes more detailed information regarding temperatures observed in the Project’s vicinity and FERC FLA, Exhibit E Section E.3.0.

Latitude and longitude (dd:mm:ss)

The Project dam is located at: 43°11’47.33” north, 70°52’ 25.27” west.

- The existing and designated use(s) that are potentially affected by the proposed activities. (Designated Uses are listed in the NHDES Consolidated Assessment and Listing Methodology).

See attached FERC FLA, Exhibit E, Section E.3.0 Water Resources.

- The provision(s) of surface water quality standards (Env-Wq 1700) that are applicable to the designated uses affected by the proposed activities.

See attached FERC FLA, Exhibit E, Section E.3.0 Water Resources.

- A pollutant loading analysis to show the difference between predevelopment and post-development pollutant loads for a typical year. The objective of the loading analysis is to show post-development pollutant loads do not exceed pre-development pollutant loads. Loading analysis guidance and a simple spreadsheet model will be provided by NHDES. The loading analysis will be used to determine appropriate stormwater management measures, which must be effectively designed, installed, and maintained to ensure compliance with surface water quality standards.

Not Applicable

- A description of any other aspect of associated with construction and operation of the activity that would affect the chemical composition, temperature, flow, or physical aquatic habitat of the surface water.

There is no construction proposed at this time, aside from the upstream eel passage facilities associated with eel passage facility, which are not expected to impact the chemical or physical quality of surface waters. Surface water related chemistry, temperature, flow and physical aquatic habitat are discussed in the attached FERC FLA, Exhibit E, Sections E.3.0 and E.4.0.

- An original or color copy/reproduction of a United States Geological Survey Quadrangle Map that clearly shows the location of the activity and all potential discharge points.
See attached Files 61 A NH_Dover West 329532, and 62 A NH_East 329529 for the United States Geological Survey Quadrangle Maps. FERC FLA, Exhibit A Figure A.1.1.8 for a detailing of Project features and location. Discharge points include the dam (spill over the crest into the bypass reach), and powerhouse (flow through turbines). See attached FLA, Exhibit G for a map showing the Project boundary.

- A copy of the final complete federal permit application or federal license application, including the federal permit, license, or project number.

See attached FERC FLA and existing FERC license order.

- A copy of the NHDES wetlands permit (RSA 482-A:3), if necessary.

Not Applicable

- A copy of the NHDES alteration of terrain permit (RSA 485-A:17), if necessary.

Not Applicable

- The name(s) and address(es) of adjoining riparian or littoral abutters.

See Attachment 2 to this application.

- A plan showing the proposed activities to scale including:

The location(s) and boundaries of the activities;

See attached FERC FLA, Exhibit F, file “Sheet 1-3 Exhibit F-CEII” for drawings detailing Project features; and See FERC FLA, Exhibit G for a map showing the Project boundary.

The location(s), dimension(s), and type(s) of any existing and/or proposed structures;

See attached FERC FLA, Exhibit F, file “Sheet 1-3 Exhibit F-CEII” for drawings detailing Project features.

The location(s), name(s), identification number(s), and extent of all potentially affected surface water bodies, including wetlands.

See attached FERC FLA, Exhibit E Environmental Report. Wetlands are discussed in Section E.5.0.

- For projects that involve a new surface water withdrawal, provide the following:

Not applicable-the Project does not involved a new surface water withdrawal.
a copy of a waiver approved by the NHDES Water Conservation Program that waives the requirement to submit a WCP prior to or in conjunction with the application for water quality certification.

Not applicable—the Project does not involve a new surface water withdrawal. An exemption application has been applied for (copy enclosed).

[Pursuant to Env-Wq 2101, and unless a waiver is applied for and granted by NHDES, all applicants for water quality certification are required to submit a water conservation plan (WCP) for projects that involve a new withdrawal from a surface water prior to or in conjunction with this application. Contact the NHDES Water Conservation Program for guidance related to drafting a WCP and the review and approval process. Information regarding the WCP, including contact information, may be found at http://des.nh.gov/organization/divisions/water/dwgb/water_conservation/index.htm.

If the project is located within ¼ (one quarter) mile of a designated river, as defined under RSA 483 (the Rivers Management and Protection Act), provide documentation showing that the Local River Management Advisory Committee (LAC) has been provided with a copy of this complete application. A list and map of the designated rivers, as well as contact information, may be found at http://des.nh.gov/organization/divisions/water/wmb/rivers/designriv.htm.

The Cocheco River is a designated river, under the New Hampshire Rivers Management and Protection Act, RSA 483. The project is located in a community designated area. Please find enclosed a copy of the email letter to Mr. John Moon, Cocheco River Local Advisory Committee, Chairman.

The Cocheco River is a NH designated river. The Cocheco Falls Project is located in a Community designated section of the river. A complete copy of the Local River Management Advisory Committee (LAC) (Mr. John Mullen, Chair) has been provided with a copy of this complete application, via email (Moon1044@gmail.com). The Cocheco River is not listed by the National Park Service (NPS) on the Nationwide Rivers Inventory (NRI).
Attachment #2: List of Abutters

Map #1

1-41-0-0 Dover Housing Auth.
62 Whitter Street Dover, NH 03820

1-41-0-0 Dover Housing Auth.
62 Whitter Street Dover, NH 03820

Map #2

2-37-A-0 Cocheco Mills Holding LLC 3 Penstock Way Newmarket, NH 03857

2-83-1-0 City of Dover 288 Central Avenue, Dover, NH 03820

Map #3

3-63-0-0 Cocheco Mills Holding LLC 3 Penstock Way Newmarket, NH 03857

3-63-A-0 Cocheco Mills Holding LLC 3 Penstock Way Newmarket, NH 03857

3-67-0-0 421 Central Avenue 113 Bunker Hill Avenue, Stratham, NH 03885

Map #6

6-1-00 Fisher, Brian & Stephanie 46 North River Road, Lee, NH 03824

6-3-0-0 Riparia -100 First Street LLC 466 Central Avenue, Suite 12, Dover NH 03820

6-3-1-0 First Street at Garrison LLC 466 Central Avenue, Suite 12, Dover NH 03820

Map #10

10-32-0-0 Robinson, Michael G, 239 Washington Street, Dover, NH 03820

10-33-0-0 Drake, Marjorie A, 235 Washington Street, Dover, NH 03820

10-34-0-0 City of Dover 288 Central Avenue, Dover, NH 03820

10-35-0-0 Meikle, David T & Howard, Judith H Trustee, 80 Burke Street, Portsmouth NH 03801

10-36-0-0 Arbro Property Management LLC, 225 Washington Street, Dover, NH 03820

10-37-0-0 Sidell Family Realty LLC, 144R Summer Street, Malden, MA 02148

10-38-0-0 Strafford, William & Susan W, 217 Washing Street, Dover, NH 03820

10-39-0-0 Benson, William C/O Arthur Thomas Property, 10 Durham Road, Dover, NH 03820-4382

10-40-0-0 City of Dover 288 Central Avenue, Dover, NH 03820

10-41-0-0 192 Washington Square LLC, 242 Central Avenue, Dover, NH 03820
10-43-0-0 Liatsis, John E, 271 Nimble Hill Road, Newington, NH 03801
10-44-0-0 191 Washington Street LLC C/O Chapman, Andrew, PO Box 1253, Dover, NH 03820
10-45-0-0 Weisheit James E & Mary E, 183 Washington Street, Dover, NH 03820
10-1-D-0 Shaheen, Thomas H, 356 Benham Road, Groton, CT 06340
Map #31
31-2-0-0 Osterman Propane LLC, 18 Spring Street Brunswick, ME 04011
31-3-0-0 City of Dover 288 Central Avenue, Dover, NH 03820
31-4-B-0 Cocheco Mills Holding, 3 Penstock Way, Newmarket, NH 03857-4416
31-5-0-0 Harlech LLC, 273 Corporate Drive, Portsmouth, NH 03801
31-103-0-0 Sixth Street Station Condo Owner’s Assoc, 10 Station Drive, Dover, NH 03820
Map #32
32-36-D-0 Jaffe Martin J & Carole, 73 Fourth Street, Dover, NH 03820
32-36-F-0 Brewer, Michael & Shelby, 73 Fourth Street, Dover, NH 03820
32-37-0-0 First Homely House LLC, 103 Fourth Street, Dover, NH 03820
32-39-0-0 City of Dover 288 Central Avenue, Dover, NH 03820
32-54-0-0 Gadbois, Laurence A Carrier Trustee, 29 Cedarbrook Drive, Dover, NH 03820
Map #33
33-1-0-0 Gagnon, Jeannine A & Robert Jr., 46 Whitter Street, Dover, NH 03820
33-2-0-0 1623 Settlement Dover LP, 62 Whitter Street, Dover, NH 03820
Map #34
34-20-B-0 City of Dover 288 Central Avenue, Dover, NH 03820
34-21-0-0 City of Dover 288 Central Avenue, Dover, NH 03820
34-22-0-0 City of Dover 288 Central Avenue, Dover, NH 03820
34-23-A-0 Dover Little League, PO Box 443, Dover, NH 03820
NHDES WATER CONSERVATION WAIVER REQUEST

Submit to Kelsey Vaughn via e-mail at waterconservation@des.nh.gov or by mail to:

NHDES – Drinking Water & Groundwater Bureau
Water Use & Conservation Program
c/o Kelsey Vaughn
PO Box 95
Concord, NH 03302-0095

I. System Information

1. Name and location of facility:
   Cocheco Falls Hydroelectric Project, Cocheco River, Dover, NH 03820

2. Requestor contact information (include name, daytime telephone number, and email address):
   John Webster, 207-468-5113, Hydromagnt@gwi.net

3. Description of the facility and water uses:
   This is a hydropower facility with no consumptive water use.

II. Requested Rules to Be Waived

   Env-Wq 2101.05(f) – The owner of a conservation system that is, in whole or in part, an ICI water user shall comply with the requirements specified in Env-Wq 2101.13 and Env-Wq 2101.19 through Env-Wq 2101.22.

III. Reason for Rule Waiver Request

   This is a re-licensing of an existing licensed operating hydroelectric project. There is no water consumption or new construction.

IV. Economic and Operational Consequences of Complying with the Rules Requested to Be Waived

   Not Applicable

V. Proposed Alternatives for Meeting the Intentions of the Rules Requested to Be Waived

   Not Applicable

VI. Length of Time the Waiver Will Be Needed

   Not Applicable

I certify that the information provided in this waiver request is complete, accurate, and not misleading.

Owner Signature  

Date  

Page 1 of 1