

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND – REGION 1
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

Request for General Permit Authorization to Discharge Wastewater
(Notice of Intent to be covered by the General Permit (NOI))

Potable Water Treatment Facility (PWTF)
NPDES General Permit No. NHG640000

A. Facility Information

1. General Permit for discharge NHG640000
2. Facility Data

Facility Name Gorham Water Filtration Plant
Street/PO Box 74 Jimtown Road City Gorham
State NH Zip Code 03581
Latitude N 44° 24.258 Longitude W 071° 14.478
SIC Code(s) 4941 Water Supply
Type of Business Water Treatment Facility

3. Facility Mailing Address (if different from Location Address, above)

Facility Name Gorham Water & Sewer Department
Street/PO Box 8 Main Street City Gorham
State NH Zip Code 03581

4. Facility Owner

Legal Name Gorham Water & Sewer Department
Email jtennisgorhamws@ne.rr.com
Street/PO Box 8 Main Street City Gorham
State NH Zip Code 03581
Contact Person Jeff Tennis Tel # 603-466-3302
Owner is (check one): Federal State Tribal Private
Other (describe)
Municipality

5. Facility Operator (if different from above):

Legal Name Kurt Johnson
Email jtennisgorhamws@ne.rr.com
Street/PO Box 8 Main Street City Gorham

State NH Zip Code 03581
Contact Person Jeff Tennis Tel # 603-466-3104

6. Currently (Administratively) Covered Under the Expired PWTG General Permit? (Please check yes or no):

Yes No

a) Has a prior NPDES permit (either individual or general permit coverage) been granted for the discharge that is listed on the NOI?

Yes No

If Yes, Permit Number NHG640002

b) Is the discharge a "new discharge" as defined by 40 CFR Section 122.22? Yes No

c) Is the facility covered by an individual NPDES permit for *other* discharges? Yes No

If yes, Permit Number: _____

d) Is there a pending NPDES application (either individual or general permit) on file with EPA for this discharge?

Yes No

If yes, date of submittal: _____ and Permit Number, if available _____

7. Attach a topographic map indicating the location of the facility and the outfall(s) to the receiving water. Map attached? Yes

B. Discharge Information (Attach additional sheets as needed):

1. Name of receiving water into which discharge will occur: Moose Brook

Check Appropriate Box: Freshwater Marine Water

State Water Quality Classification Class B

Type of Receiving Water Body (e.g., stream, river, lake, reservoir, estuary, etc.) Stream

2. Indicate the frequency of the discharge:

Emergency Only Infrequent (Once/Twice a Year) Intermittent***

Continuous Other**

***If Intermittent (i.e., occurs sometimes but not regularly as in batch discharge), provide # of days per year the discharge occurs _____

***If Other, explain No discharge

- Describe the discharge activities for which the owner/applicant is seeking coverage, including process discharges not specifically authorized in the PWTF GP which needs to be authorized for discharge (and which attain the effluent limits and other conditions of the general permit). (This description should include all treatment methods used on the wastewater prior to discharge including lagoons, baffles, filter presses, etc. If lagoons are used at the facility, please include the number and size of lagoons; the size and elevation of the entry pipe; the time of travel from the entry point of the discharge into the lagoon to the entry point to the receiving waters; and the length of backwash cycle for any combination of filters).

There is no treatment to the water before being discharged to the lagoon. The debris mat is put into suspension and drained into the lagoon. The water in the lagoon then filters through the overburden at a rate sufficient enough to prevent the need for discharge. There is one lagoon at 158,000 gallons. Entry pipe is 12 inch @ 1122 ft. Time of travel from entry point to lagoon is 10 minutes. Length of cycle is 4 hours.

- Attach a line drawing or flow schematic showing water flow through the facility including sources of intake water, operations contributing to flow, treatment units, outfalls, and receiving water(s).

Line drawing or flow diagram attached?

- Identify the source of the water being discharged:

Surface water
 Groundwater
 Other (describe)

- Number of Outfalls 1 Latitude and Longitude to the nearest second for each Outfall. Attach additional pages if necessary.

Outfall #1	Latitude <u>N 44° 24.213</u>	Longitude <u>W 071° 14.518</u>
Outfall #	Latitude _____	Longitude _____
Outfall #	Latitude _____	Longitude _____

- For each outfall, indicate the proposed sampling location(s) for both effluent and ambient water (when applicable) and proposed consistent times of the month for collecting samples:

Outfall #1

Samples collected from lagoon drain in manhole. Samples will be collected on the second Wednesday of each month or when discharge should occur. At this time we have not discharged to date.

Outfall #

Outfall #

C. Effluent Characteristics

1. List here and attach additional information (on separate sheet) on any water additives used at the facility. This includes chemicals (including aluminum, iron, or phosphorus-containing chemicals) for pH adjustment, dechlorination, control of biological growth, and control of corrosion and scale in water pipes.

No chemicals are used in discharge waters. Chemicals are exclusive to plant effluent only.

2. Report any known remediation activities or water quality issues in the vicinity of the discharge

N/A

3. Are aluminum compounds or polymers used as coagulants at this facility?*

Yes

No

*If answer is "Yes" and the facility was *not* covered under the PWTF GP that expired on 10/2/14, additional monitoring data and information is required. **Please complete Item III.C.12.**

4. Does the facility use any alum-based products for algae control?*

Yes

No

*If answer is "Yes" and the facility was *not* covered under the PWTF GP that expired on 10/2/14, additional monitoring data and information is required. **Please complete Item III.C.12.**

5. Are iron-containing coagulants used at this facility? Yes

No

6. Does the facility's discharge contain residual chlorine? Yes

No

[If Yes, EPA will calculate a Total Residual Chlorine effluent limit for your facility]

7. Does the facility provide treatment to remove arsenic from the raw water source? Yes

No

8. a. Are phosphorus-containing chemicals added to the treated water at this facility? Yes

No

b. If answer to 8.a. is Yes, does the facility discharge to Phosphorus-Impaired waters?
Yes No

c. If answer to 8.b. is Yes, provide name of P-Impaired waterbody: _____

9. Does the facility remove radium or other radioactive substances from raw water sources to comply with drinking water standards? Yes **No**

10. Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water
7Q10: unknown cfs

***NOTE: For facilities that discharge in New Hampshire, the state permitting authority **must** be contacted at the address listed in Appendix VI of the PWTF GP to determine and/or confirm the 7Q10 and/or dilution factor. For facilities that discharge in Massachusetts, it is highly recommended to contact the relevant state authority (MassDEP) to determine and/or confirm the 7Q10 and/or dilution factor. ***Attach and calculation sheets used to support the stream flow and dilution factors. See Appendix VII for equations and additional information.

11. For each outfall, provide the following discharge information:

Outfall #1

a) Design Flow of Facility (in million gallons per day, MGD): 1.0 MGD

This value will determine the facility's daily maximum flow limit, up to a maximum of 1.0 MGD.

b) Discharge Flow (in gallons per day, GPD):

Maximum Daily Flow N/A GPD Average Monthly Flow N/A GPD

c) TSS (mg/l): Number of samples: N/A (Minimum of 10 samples)

Maximum Daily N/A mg/l Average Monthly N/A mg/l

d) pH (s.u.): Number of samples: N/A (Minimum of 10 samples)

Minimum N/A s.u. Maximum N/A s.u.

e) Total Residual Chlorine (ug/l): Number of samples: N/A (Minimum of 10 samples)

Maximum Daily N/A ug/l

Since we have not discharged from the plant to date, there is no data available.

NOTE: TRC is only required for discharges which have been previously chlorinated or contain residual chlorine

12. The following section must be completed for any facility that answered "Yes" to Question III.C.3 or III.C.4 (e.g. adds an aluminum-containing chemical to the water being treated and/or discharged) AND was not covered under the previous PWTF GP (which expired on 10/2/14).

- a) Collect, analyze and submit 12 effluent samples and 10 ambient surface water samples from a location upstream of and not affected by the discharge. For facilities in New Hampshire and Massachusetts, each sample should be analyzed for total recoverable Al in micrograms per liter. All laboratory results shall be submitted on a separate sheet.
 - a. The samples shall be composite samples consisting of four grab samples taken at approximately equal intervals on a flow weighted basis during the time at which the discharge is entering the receiving water after the start of the backwash cycle.
 - b. For each sampling event, the effluent and surface water samples shall be collected on the same day and during a representative discharge event. The samples shall be no more frequent than weekly and, if time allows in completing the NOI, at monthly intervals and at different flow conditions. If taking the ambient water quality sample from lakes/reservoirs, the 10 samples should be composited vertically.
 - c. Discharge flow at the time of effluent sampling should be recorded. Flow conditions at the time of ambient water sampling should be recorded (or estimated from nearest gaging station).
 - d. Do not include dilution when recording the results.
 - e. See Section 2.1.2.3 and Footnote 12 of Section 2.1.1 for MA facilities (or Section 3.1.2.3 and Footnote 10 of 3.1.1 for NH facilities) for key information on minimum level for analysis and sufficiently sensitive test procedures.
 - f. Sampling data that was collected within one year of the effective date of this general permit AND that adheres to all of the requirements above may be submitted in lieu of new samples. This must be denoted with the submitted data.
- b) Provide a description of control measures, chemical substitutions, waste handling methods, and operational changes evaluated and/or used by the facility to minimize the discharge of aluminum to surface waters. (Include additional sheet(s), if necessary)

D. Endangered Species Act Eligibility Information

Using the instructions in Appendix III of the PWTF GP, which of the following criteria apply to your facility?

U.S. Fish and Wildlife Service (USFWS) Criteria: A B C

1. If you selected USFWS criteria B, has consultation with the U.S. Fish and Wildlife Service been completed?

Yes No

2. If consultation with US Fish & Wildlife Service was completed, was a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat received?

Yes No

3. Attach documentation of ESA eligibility for USFWS as required at Part 1.4 and Appendix III of the General Permit. Documentation attached? Yes

4. For facilities seeking coverage under the Potable Water Treatment Facility General Permit for the first time, respond to the following questions to assist in ESA eligibility for NMFS:
a) Indicate if the facility discharges into any of the stretches of the following rivers which can support or provide habitat to either Shortnose or Atlantic Sturgeon:

Merrimack River (from Essex Dam in Lawrence, Downstream (including Haverhill) to mouth of River) Yes No

Connecticut River (from Turner's Falls, downstream through Holyoke (including Holyoke Dam region) Yes No

Taunton River Yes No

Piscataqua River (in NH) Yes No

b) Has the facility had any previous formal or informal consultation with NMFS?

Yes No

If yes, attach the results of the consultation(s). Documentation attached? _____

E. National Historic Properties Act Eligibility

1. Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility site or in proximity to the discharge?

Yes

No

2. Have any State or Tribal Historic Preservation Officers been consulted in this determination?

Yes

No

If yes, attach the results of the consultation(s). Documentation attached? _____

3. Which of the three National Historic Preservation Act scenarios listed in Appendix II, Section III have you met?

1

2

3

F. Supplemental Information

Please provide any supplemental information, including antidegradation review information applicable to new or increased discharges. Attach any analytical data used to support the application. Attach any certification(s) required by the General Permit.

G. Signature Requirements

The NOI must be signed by the operator in accordance with the signatory requirements of 40 CFR § 122.22 (see below) including the following certification:

I certify under penalty of law that (1) the discharge for which I am seeking coverage under the general permit consists solely of a surface water discharge from a potable water treatment facility; (2) any chemicals used to treat the discharge have been identified in this NOI; and (3) where applicable, the facility has complied with the requirements of this permit specific to the Endangered Species Act and National Historic Preservation Act.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there

are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature Kurt Johnson Date 4/7/17

Printed Name and Title KURT L. JOHNSON/CHIEF OPERATOR

Federal regulations require this application to be signed as follows:

1. For a corporation, by a responsible corporate party;
2. For a partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
3. For a municipality, State, Federal or other public facility, by either a principal executive officer or ranking elected official.

Note: Permits No. MAG640000 and NHG640000 may be found at <http://www3.epa.gov/region1/npdes/pwtfgp.html>

H. "Opt-Out Request" from NetDMR Requirement

1. Check the box if you are applying for an "opt-out request."
2. Provide a detailed explanation of the technical or administrative factors that support your request to "opt-out" from the requirement to submit DMRs and reports electronically. (Add additional lines, if necessary.)



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Field Office
70 Commercial Street, Suite 300
Concord, New Hampshire 03301-5087
<http://www.fws.gov/northeast/newenglandfieldoffice>

January 2, 2009

To Whom It May Concern:

This project was reviewed for the presence of federally-listed or proposed, threatened or endangered species or critical habitat per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website:

<http://www.fws.gov/northeast/newenglandfieldoffice/EndangeredSpec-Consultation.htm>

Based on the information currently available, no federally-listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service (Service) are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under Section 7 of the Endangered Species Act is not required.

This concludes the review of listed species and critical habitat in the project location(s) and environs referenced above. No further Endangered Species Act coordination of this type is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your cooperation. Please contact Mr. Anthony Tur at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office