



Town of Holbrook
Office of Joint Superintendent
(781) 767-1800
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RANDOLPH-HOLBROOK JOINT WATER BOARD

50 North Franklin Street
Holbrook, MA 02343



Town of Randolph

November 7, 2017

USEPA, Region 1
Office of Ecosystem Protection
PWTF GP Applications Coordinator (OEP06-4)
5 Post Office Square, Suite 100
Boston, Massachusetts 02109-3912
Submitted electronically to pwtf.generalpermit@epa.gov

**Re: Randolph/Holbrook Water Treatment Plant NPDES Potable Water Treatment
Facility General Permit MAG640000 Notice of Intent**

Dear Applications Coordinator,

The Randolph/Holbrook Water Treatment Plant (WTP) is seeking coverage under the U.S. EPA's National Pollution Discharge Elimination System (NPDES) General Permits for Discharges from Potable Water Treatment Facilities in Massachusetts (PWTF GP). We are pleased to submit this Notice of Intent (NOI) for the NPDES General Permit No. MAG640000 to cover discharges from the WTP to the Great Pond Reservoir System.

Enclosed please find the NOI and related attachments.

Please note that consultation with the U.S. Fish and Wildlife Service (USFWS) has been completed to support Endangered Species Act eligibility criteria selection, however, written concurrence is not being provided by USFWS. We believe that the discharge from the WTP meets the USFWS Criteria B since the discharge is not likely to adversely affect the endangered species in the area, the Northern Long-eared Bat. A letter requesting concurrence was sent to the USFWS on August 21, 2017 (the letter is included in the NOI package enclosure).

A recent phone conversation with Maria Tur of the USFWS confirmed that USFWS is making a "no effect" determination because there is no tree clearing associated with the project. The USFWS stated that written documentation will not be provided.

We hope EPA can proceed with authorizing the Randolph/Holbrook WTP under the PWTF GP. Please do not hesitate to contact me at 781-767-1800 for clarification or comments.

Very truly yours,



Timothy J. Gordon
Randolph/Holbrook Joint Water Board



Richard A. Brewer, Jr.
Randolph/Holbrook Joint Water Board

Enclosures: NPDES Potable Water Treatment Facility General Permit MAG640000 NOI
Letter from Randolph/Holbrook to USFWS
Figure 1. Water Treatment Plant Location Map
USFWS Information, Planning, and Conservation (IPaC) online system documentation
Figure 2. Northern Long-eared Bat Hibernaculum Locations
Figure 3. Additions to Water Filtration Plant General Plan
Figure 4. Source Water Supply and Treatment Schematic
Figure 5. MassDEP Chapter 21E Sites
National Historic Properties Act Eligibility Memo

Copy: Ben Levesque, P.E., Tighe & Bond

APPENDIX IV

Notice of Intent Instructions and Suggested Notice of Intent Format

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

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

Potable Water Treatment Facility (PWTF)
NPDES General Permit No. MAG640000 and NHG640000

I. Notice of Intent (NOI) Instructions

In order to be covered by the Potable Water Treatment Facility General Permit (PWTF GP), applicants must submit a completed NOI to EPA and the appropriate state agency. Please note that **only** facilities in Massachusetts that were previously unpermitted and discharge to an Outstanding Resource Water (ORW) or High Quality Water must submit an NOI to MassDEP.¹ The NOI consists of either the suggested NOI format included in Part III of this Appendix or another format of official correspondence that contains all of the required information listed in the General Permit and the NOI instructions. All NOIs submitted after December 21, 2020 must be submitted electronically.

At a minimum, the NOI must include the following information for each individual facility. Additional sheets may be attached as needed.

A. General Facility Information

- 1) Indicate whether applying for MA or NH PWTF General Permit.
- 2) Provide the name and location address of the facility, including the latitude and longitude. Also provide the Standard Industrial Classification (SIC Code(s)) and type of business. One online source to determine the latitude/longitude can be located at <http://itouchmap.com/latlong.html>
- 3) Provide the mailing address, if different from the location address.

¹ These waters are included in the Tables and Figures section of the MA Surface Water Quality Standards, available at <http://www.mass.gov/eea/docs/dep/water/laws/i-thru-z/tblfig.pdf>. Specifically, all official ORWs are listed in 314 CMR 4.06.

- 4) Provide the legal name, address, telephone, fax number, and e-mail of the owner of the facility. Indicate whether the owner is a Federal, State, Tribal, private or other entity.
- 5) Provide the name, address, telephone, fax number, and e-mail of the facility operator (if different from the owner).
- 6) Provide the answer to the following questions regarding the applicant's current permit status.
Is the applicant currently (administratively) covered under the expired PWTF GP?
 - i. Has a prior NPDES permit (either individual or general permit) been granted for this discharge? If yes, provide the permit number:
 - ii. Is the discharge a "new discharger" as defined by 40 CFR Section 122.22?
 - iii. Is the facility covered by an individual NPDES permit for *other* discharges? If yes, provide the permit number.
 - iv. Is there a pending NPDES application on file with EPA for this discharge? If yes, indicate the date of submittal and permit number (if available)
- 7) Provide a topographic map indicating the location(s) of the facility and receiving water, and discharge point(s). Check the box to indicate a map has been submitted with NOI.

B. Discharge information

- 1) Provide the name and type of the receiving water(s) into which each outfall will discharge and identify if it is freshwater or marine water and its state water quality classification.
- 2) Indicate the frequency of the discharge (i.e., emergency only, infrequent (i.e., once/twice a year), intermittent (occurs sometimes but not regularly, as in batch discharges), continuous, or other). If Intermittent or Other, provide number of days/year the discharge occurs.
- 3) Describe the activity/activities that generate the discharge(s) to be covered by the permit. Include process discharges not specifically authorized in the PWTF GP which need to be authorized for the 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, include the number and size of lagoons; Size and elevation of entry pipe; time of travel from entry point of the discharge into the lagoon to the entry point to the receiving water; and the length of backwash cycle for any combination of number of filters.)
- 4) Attach a line drawing or flow schematic showing the water flow through the facility including sources of intake water, operations contributing to flow, treatment units,

outfalls, and receiving water(s). Click box to indicate that line drawing/flow diagram has been attached to NOI.

- 5) Identify the source of the water (i.e., surface water, groundwater).
- 6) Provide the number of outfalls; and for each outfall, provide the latitude and longitude.
- 7) 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.

C. *Effluent Characteristics*

- 1) List any water additives/chemicals used at the facility. This includes chemicals for pH adjustment, dechlorination, control of biological growth, control of corrosion and scale in water pipes, etc. Attach additional information on separate sheets.
- 2) Report any known remediation activities or water quality issues in the vicinity of the facility's discharge.
- 3) Indicate if any aluminum-containing coagulants are used at the facility. If a facility adds an aluminum-containing chemical to the water being treated and/or discharged AND the facility was *not* covered under the PWTF GP that expired on 10/2/14, additional monitoring data is required. Facility must also complete Item III.C.12.
- 4) Indicate if the facility uses any alum-based products for algae control. If a facility adds an aluminum-containing chemical to the water being treated and/or discharged AND the facility was *not* covered under the PWTF GP that expired on 10/2/14, additional monitoring data is required. Facility must also complete Item III.C.12.
- 5) Indicate if any iron-based coagulants are used at the facility.
- 6) Indicate if the facility's discharge contains residual chlorine.
- 7) Indicate if the facility provides treatment to remove arsenic from the raw water source.
- 8)
 - a) Indicate whether any phosphorus-containing chemicals are added to the treated water at this facility?
 - b) If answer to 8.a. is Yes, indicate whether the facility discharges to a waterbody impaired (i.e., listed as Category 4b or Category 5 on Integrated List of Waters for the relevant state pursuant to CWA section 303(d) and 305(b)) for (total) phosphorus or nutrient/eutrophication biological indicators (in MA) or chlorophyll-a, cyanobacteria hepatotoxic microcystins, dissolved oxygen (saturation), excess algal growth, invasive aquatic algae, or (total) phosphorus (in NH). The 2014 EPA-approved MA Integrated List

of Waters is available at:

<http://www.mass.gov/eea/docs/dep/water/resources/07v5/14list2.pdf> . Additional information for MA may be found at:
<http://www.mass.gov/eea/agencies/massdep/water/watersheds/total-maximum-daily-loads-tmdls.html>.

For facilities in NH, comparable information can be found at:

<http://des.nh.gov/organization/divisions/water/wmb/swqa/2012/> .

c) If answer to 8.b. is Yes, provide the name of impaired waterbody and the pollutant it is impaired for: _____

- 9) Indicate if the facility removes radium or other radioactive substances from raw water sources to comply with drinking water standards.
- 10) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water (in 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 before submitting the NOI. For facilities that discharge in Massachusetts, it is highly recommended to contact the relevant state agency (MassDEP) to determine and/or confirm the 7Q10 and/or dilution factor.*** Also, attach any 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 requested data. If the data is not available for a facility (e.g., a Category I facility that only discharges on an emergency basis), please mark "N/A".
- a) Provide the Design Flow of the facility (in MGD, million gallons per day). This value will determine the facility's daily maximum flow limit, up to a maximum of 1.0 MGD.
 - b) Estimate the flow in GPD – both the maximum daily and average flow rate of the discharge in gallons per day;
 - c) Provide the maximum daily and average monthly flow concentration of TSS (mg/l). Facilities must use a minimum of 10 data points for this parameter. However, the most recent existing data (for facilities already submitting DMRs) may be used.
 - d) Provide the maximum and minimum monthly pH of discharge (in s.u.). Facilities must use a minimum of 10 data points for this parameter. However, the most recent existing data (for facilities already submitting DMRs) may be used;
 - e) For discharges which have been previously chlorinated or contain residual chlorine, provide the maximum daily concentration of TRC in ug/l. Facilities must use a minimum of 10 data points for this parameter. However, the most recent existing data (for facilities already submitting DMRs) may be used.

- 12) For a facility that uses an aluminum-containing chemical during treatment AND was *not* covered under the PWTF GP that expired on 10/2/14, additional monitoring data and information is required. The results of 12 effluent samples and 10 ambient (upstream) surface water samples must be collected, analyzed, and submitted. Additional requirements regarding such sampling can be found in Section III.C.12 of this Appendix. For relevant facilities in both Massachusetts and New Hampshire, each sample should be analyzed for total recoverable Al in micrograms per liter. For New Hampshire facilities, the assumption will be made that the entire fraction of measured total recoverable aluminum is in the acid soluble form. All laboratory results shall be submitted on a separate sheet. Also, the facility must 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.

D. Determination of Endangered Species Act Eligibility (ESA)

Provide documentation of ESA eligibility and respond to all questions as required in Appendix III.

E. Documentation of National Historic Preservation Act (NHPA) Requirements

Provide documentation and respond to all questions as required in Appendix II.

F. Supplemental Information

Applicants should provide any supplemental information needed to meet the requirements of the permit, including any analytical data used to support the application and any certification(s) required by the 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.

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.

H. “Opt-Out” Request

As stated in Section 5.1 of the General Permit, all permittees shall submit DMRs and reports required under the PWTF GP electronically to EPA using NetDMR by December 21, 2016 *unless* the facility has applied for an “opt-out request” and received written approval by EPA. A facility may apply for an “opt-out request” only if they are able to demonstrate a reasonable basis, which would include limiting factors like technical or administrative infeasibility (e.g., do not have a computer or internet access).

If a facility is applying for an “opt-out request,” the box in Section H must be checked and a written description of the factors supporting the request must be provided. If a facility is *not* applying for an “opt-out request” (which will be the case for most facilities), simply leave this section blank.

II. Submission of NOI

A. Filing with EPA – All operators located in Massachusetts and New Hampshire that apply for coverage under this General Permit must submit an NOI to EPA-Region I. The completed, signed NOI formats and attachments must be submitted to EPA-Region I.

Electronically at: pwtf.generalpermit@epa.gov, or

Mailed to:

US EPA, Region I
Office of Ecosystem Protection
PWTF GP Applications Coordinator (OEP06-4)
5 Post Office Square, Suite 100
Boston, MA 02109-3912

All NOIs must be submitted electronically after December 21, 2020.

B. Filing with MassDEP – As previously noted, **only** facilities in Massachusetts that were previously unpermitted and discharge to an Outstanding Resource Water (ORW) and High Quality Waters must submit an NOI to MassDEP. In such cases, a completed copy of the NOI must also be sent to:

Massachusetts Department of Environmental Protection
Division of Watershed Management
8 New Bond Street
Worcester, MA 01606

C. Filing with NH DES – All applicants in New Hampshire must also provide a completed copy of their NOI to NH DES at the following address:

New Hampshire Department of Environmental Services
Water Division, Wastewater Engineering Bureau
29 Hazen Drive, P.O. Box 95
Concord, New Hampshire 03302-0095

III. Suggested Notice of Intent (NOI) Format

A. Facility Information

1. *Indicate applicable General Permit for discharge* MAG640000 ✓
NHG640000
2. *Facility Data*
Facility Name Randolph-Holbrook Water Treatment Plant
Street/PO Box 275 Pond Street City Randolph
State Massachusetts Zip Code 02368
Latitude 42.1986 Longitude -71.0504
SIC Code(s) 4941
Type of Business Water Supply
3. *Facility Mailing Address (if different from Location Address, above)*
Facility Name N/A
Street/PO Box _____ City _____
State _____ Zip Code _____

4. *Facility Owner:*

Legal Name Randolph-Holbrook Joint Water Board

Email pwd2@holbrookmassachusetts.us

Street/PO Box 50 North Franklin Street City Holbrook

State Massachusetts Zip Code 02343

Contact Person Benjamin Ecord Tel # 781-767-1800

Owner is (check one): Federal ☐ State ☐ Tribal ☐ Private ☐

Other (describe)

Joint Water Board

5. *Facility Operator (if different from above):*

Legal Name N/A

Email _____

Street/PO Box _____ City _____

State _____ Zip Code _____

Contact Person _____ Tel # _____

6. *Currently (Administratively) Covered Under the Expired PWTF 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 MAG640032

b) Is the discharge a "new discharger" 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, Figures 1 and 2

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

1. Name of receiving water into which discharge will occur: Great Pond Reservoir System

Check Appropriate Box: Freshwater ☒ Marine Water

State Water Quality Classification Class A

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

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 daily, but in batches

***If Other, explain _____

3. Describe the discharge activities for which the owner/applicant is seeking coverage, including process discharges not specifically authorized in the PWTF GP which need 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.)

The WTP on average produces approximately 3.3 million gallons per day (MGD) but has a maximum capacity of approximately 6.2 MGD. WTP facilities consist of 2 intakes, 3 low lift pumps, 1 static mixer, 1 flocculation tank with static baffling, 1 sedimentation tank with tube settlers, 8 filters with granular activated carbon (GAC), 1 backwash water lagoon, 1 backwash tank, 1 clearwell, and 4 high lift pumps. The backwash water lagoon has a storage volume of approximately 150,000-200,000 gallons and a detention time of approximately 14-20 hours. Typically, 2 filters are backwashed per shift, for a 15-20 minute duration. Each filter runs for 32 hours prior to being backwashed. The elevation of the 14-inch inlet (entry) pipe to the lagoon is 121.1 feet, and the elevation of the 12-inch outlet pipe is 118.9 feet.

4. 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? Yes, Figure 3

5. Identify the source of the water being discharged:

Surface water ☒ Groundwater Other (describe)

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

Outfall #	Latitude <u>42.1991</u>	Longitude <u>-71.0502</u>
Outfall #	Latitude _____	Longitude _____
Outfall #	Latitude _____	Longitude _____

7. 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 for aluminum, TSS, pH, and total residual chlorine are collected weekly in the lagoon.

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.

The WTP uses poly aluminum chloride (PAC) primarily for coagulation and secondarily as filter conditioning, chlorine gas for disinfection, lime to raise the pH for corrosion control, and orthophosphate for corrosion control. Sodium hypochlorite is used at the Water Street Booster Station to boost chlorine residual in the Holbrook water distribution system.

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

There are four MassDEP Tier Classified Oil and/or Hazardous Material Sites (MGL c. 21E) within a 1/2 mile radius (Figure 4). The closest site is 2,370 feet from the discharge point. Based on publicly available data, the remediation activities are not anticipated to impact the discharge.

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: 0.19 cfs (Determined using USGS StreamStats version 3)

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 any 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):* 6.2 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 120,000 GPD Average Monthly Flow 100,000 GPD

- c) *TSS (mg/l):* Number of samples: 13 (Minimum of 10 samples)

Maximum Daily 20 mg/l Average Monthly 2.04 mg/l

d) *pH (s.u.)* : Number of samples: 13 (Minimum of 10 samples)
Minimum 7.1 s.u. Maximum 7.9 s.u.

e) *Total Residual Chlorine (ug/l)*: Number of samples: 13 (Minimum of 10 samples)
Maximum Daily 810 ug/L

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 N/A ✓
USFWS stated no written concurrence will be provided.
USFWS stated they are making a no effect determination
because there is no tree clearing associated with project

3. Attach documentation of ESA eligibility for USFWS as required at Part 1.4 and Appendix III of the General Permit. **Documentation attached?** Yes. Letter sent to USFWS is attached to this NOI.

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:

<i>Merrimack River</i> (from Essex Dam in Lawrence, Downstream (including Haverhill) to mouth of River)	Yes	No
---	-----	----

<i>Connecticut River</i> (from Turner's Falls, downstream through Holyoke (including Holyoke Dam region)	Yes	No
--	-----	----

<i>Taunton River</i>	Yes	No
----------------------	-----	----

<i>Piscataqua River (in NH)</i>	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?** N/A

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?** yes

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.

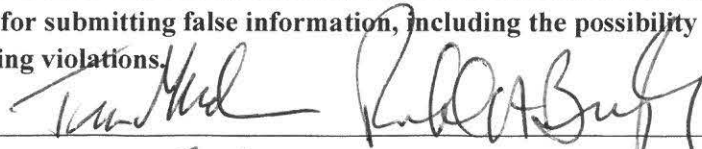
G. Signature Requirements

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



Date

11-7-17

Printed Name and Title

Richard Blower DOW Supt

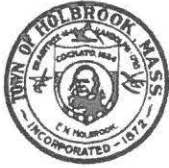
Federal regulations require this application to be signed as follows:

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.)



Town of Holbrook

Office of Joint Superintendent

(781) 767-1800

Fax (781) 767-0705

**RANDOLPH-HOLBROOK
JOINT WATER BOARD**

50 North Franklin Street

Holbrook, MA 02343



Town of Randolph

August 21, 2017

Supervisor

U.S. Fish and Wildlife Service

70 Commercial St., Suite 300

Concord, NH 03301

**Re: Randolph/Holbrook Water Treatment Plant NPDES USFWS Formal Consultation
for Potable Water Treatment Facility General Permit**

To Whom It May Concern:

The Randolph/Holbrook Water Treatment Plant (WTP) is seeking coverage under the U.S. EPA's National Pollution Discharge Elimination System (NPDES) General Permits for Discharges from Potable Water Treatment Facilities in Massachusetts (PWTF GP), and is required to determine whether the plant's discharge negatively impacts any federally listed endangered or threatened species or designated critical habitat.

The WTP currently is authorized to discharge waste into the Great Pond Reservoir system under the previous PWTF GP, which has since expired. The Notice of Intent (NOI) submitted at that time determined that the discharge did not negatively impact any endangered species.

The Randolph/Holbrook Joint Water Board has initiated the National Endangered Species Eligibility Determination process in accordance with Part 1.4 and Appendix III of the PWTF GP. We have determined that an informal consultation with the U.S. Fish and Wildlife is necessary because the Northern Long-eared Bat is a listed threatened species but there are no critical habitats near the WTP (see enclosures).

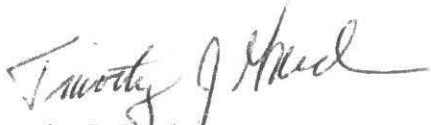
We respectfully request that the USFWS determine that the WTP's discharges are not likely to adversely affect the Northern Long-eared Bat for the following reasons:

1. The WTP has been discharging water to the Great Pond Reservoir system for many years without impact to listed species;
2. The WTP routinely monitors the quality of the discharged water to ensure compliance with the PWTF GP; and

3. If the Randolph/Holbrook Joint Water Board plans to substantially modify its discharge or construct BMPs to control the discharge during the course of the permit, we agree to re-initiate informal or formal consultation with USFWS.

Please contact me for any clarification or comments at 781-767-1800. Thank you in advance.

Very truly yours,



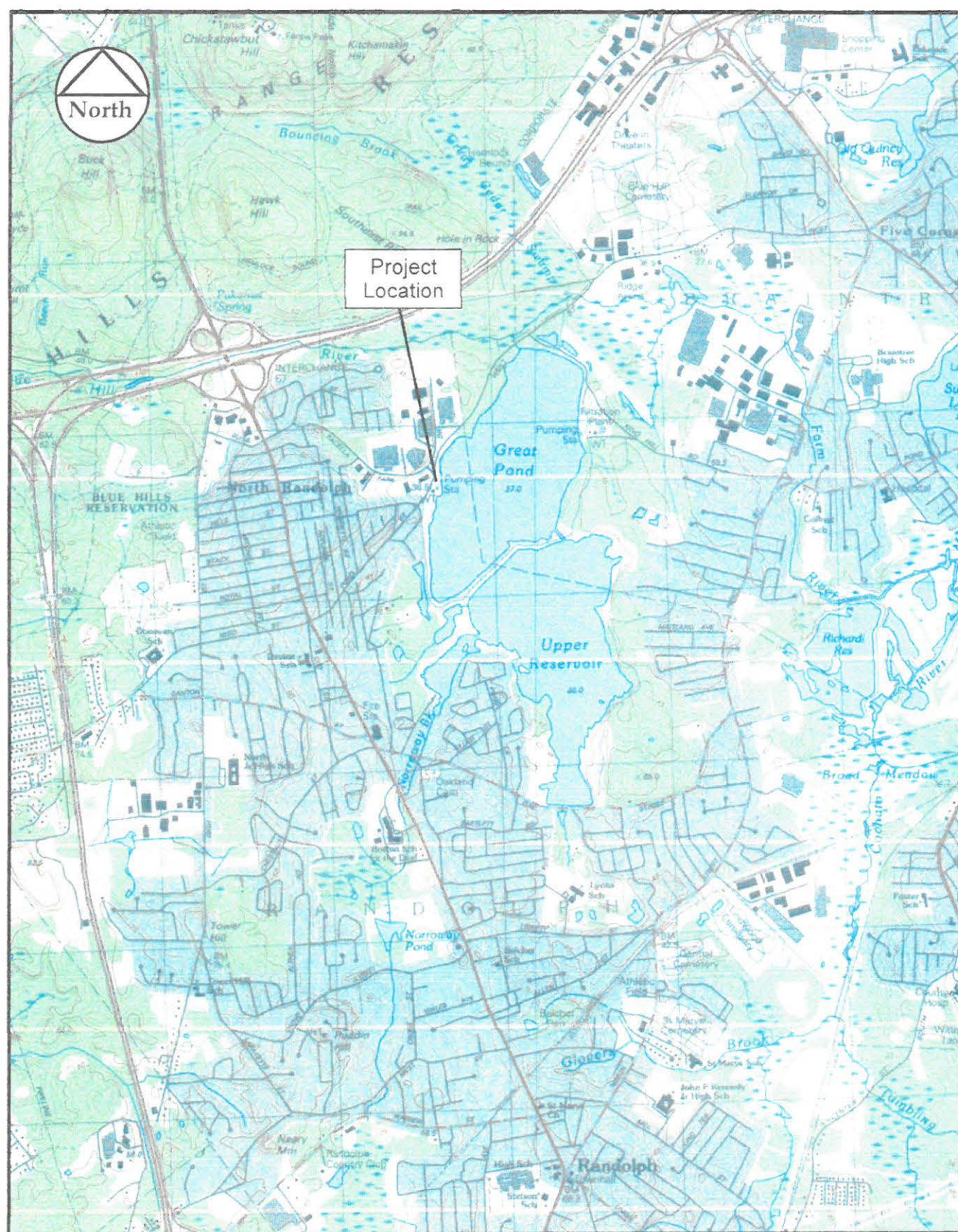
Timothy J. Gordon
Randolph/Holbrook Joint Water Board



Richard A. Brewer, Jr.
Randolph/Holbrook Joint Water Board

8-23-17

Enclosures: Figure 1. Water Treatment Plant Location Map
USFWS Information, Planning, and Conservation (IPaC) online system
documentation
Figure 2. Northern Long-eared Bat Hibernaculum Locations



Randolph/Holbrook Joint Water Board
NPDES General Permit No. 1

Figure 1
Water Treatment Plant Location Map

Project Summary

Consultation Code: 05E1NE00-2017-SLI-2302

Event Code: 05E1NE00-2017-E-05016

Project Name: Randolph-Holbrook WTP

Project Type: WATER SUPPLY / DELIVERY

Project Description: NPDES permit NOI for Randolph-Holbrook WTP

Project Location:

Approximate location of the project can be viewed in Google Maps:

<https://www.google.com/maps/place/42.194009036960054N71.04461988125567W>



Counties: Norfolk, MA

Endangered Species Act Species

There is a total of 1 threatened, endangered, or candidate species on this species list. Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

Mammals

NAME

STATUS

Northern Long-eared Bat *Myotis septentrionalis*

Threatened

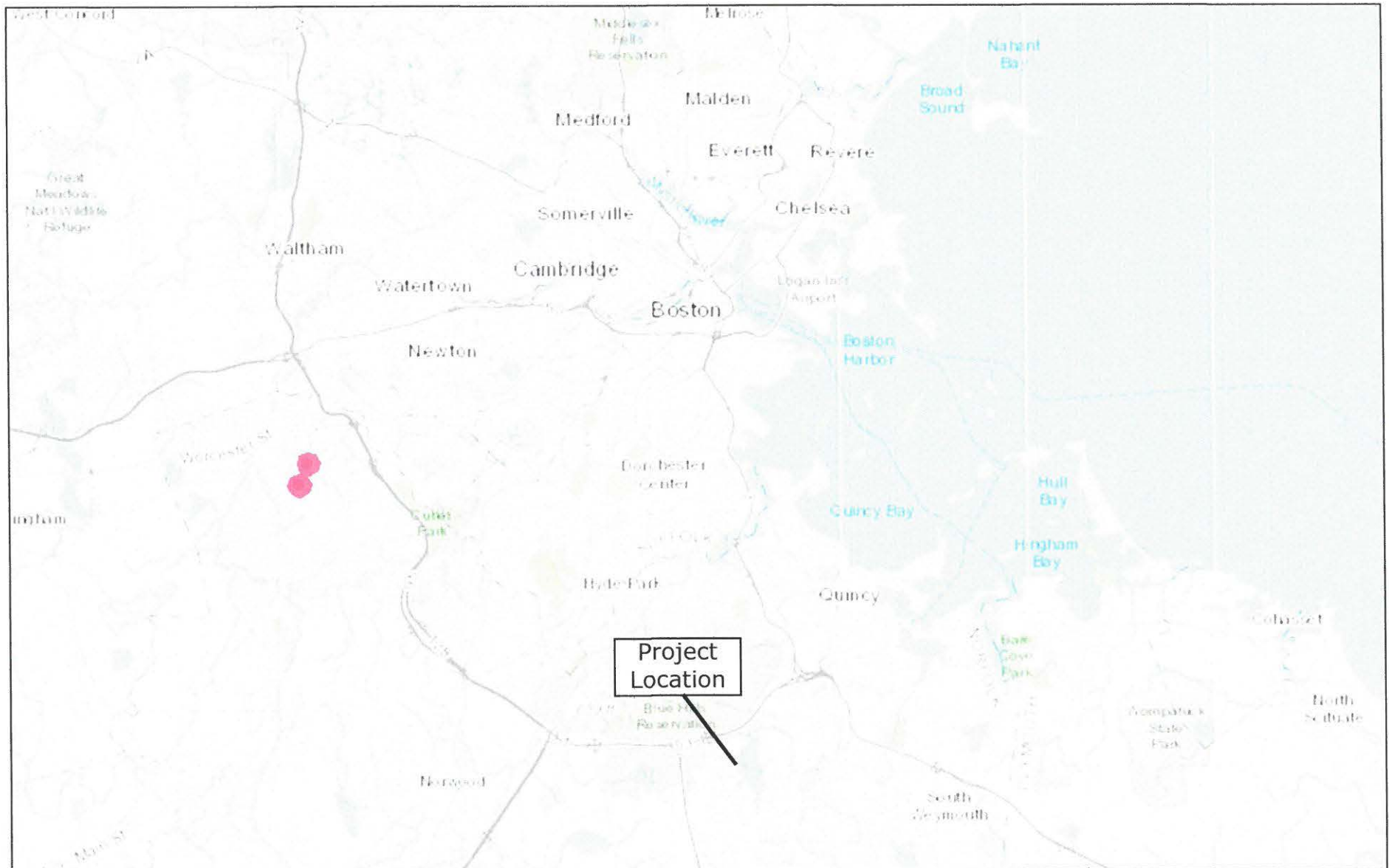
No critical habitat has been designated for this species.

Species profile: <https://ecos.fws.gov/ecp/species/9045>

Critical habitats

There are no critical habitats within your project area under this office's jurisdiction.

Figure 2: Northern Long-eared Bat Hibernaculum Locations

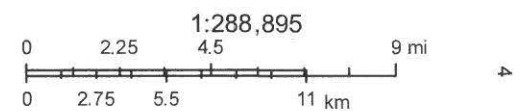


July 27, 2017

Statewide NLEB Symbolology

● Hibernaculum

MA Northern Long-eared Bat Winter Hibernacula (with ¼ mile buffer)



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,

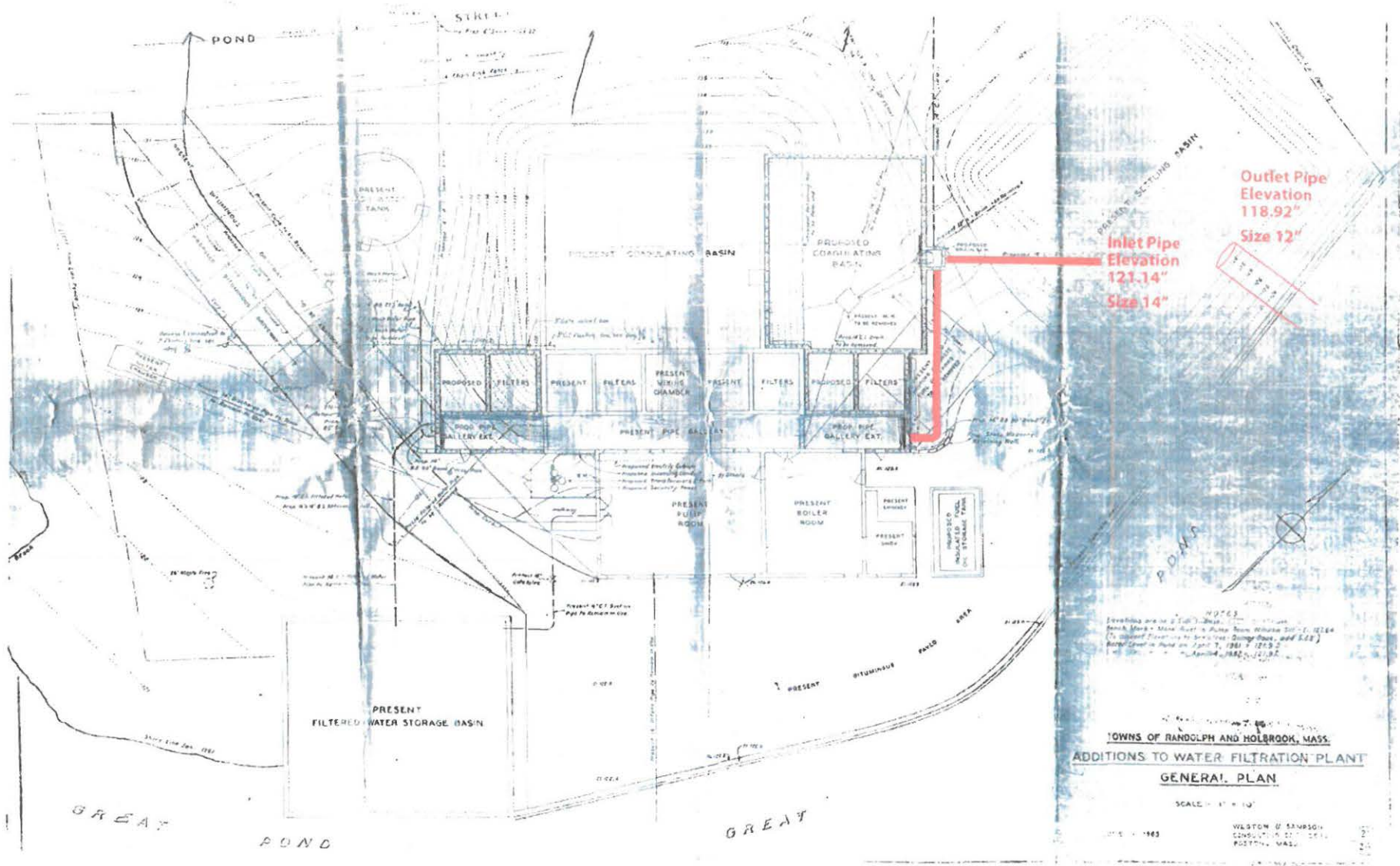


Figure 3

NPDES General Permit NOI
Towns of Randolph and Holbrook, MA
Additions to Water Filtration Plant General Plan

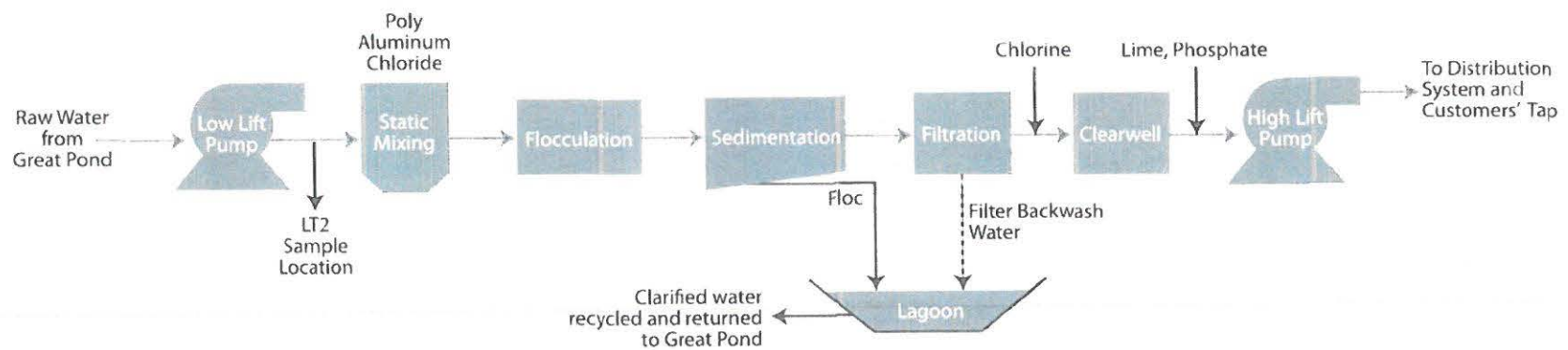


Figure 4

NPDES General Permit NOI
Source Water Supply and Treatment Schematic
Randolph-Holbrook Joint Water System



Legend

● MassDEP Tier Classified Oil and/or Hazardous Material Sites (MGL c. 21E)

WTP Water Treatment Plant

Tighe & Bond
Engineers | Environmental Specialists

Based on USGS Topographic Map for Blue Hills, MA Quadrangle, Revised 1985. Circle indicates half-mile radius.

1:9,600
0 400 800
Feet



FIGURE 5 MASSDEP CHAPTER 21E SITES

Randolph/ Holbrook Joint
Water Treatment Plant
275 Pond Street
Randolph, Massachusetts

August 2017

NPDES Potable Water Treatment Facility General Permit (MAG640032) National Historic Properties Act Eligibility

TO: Randolph / Hollbrook Joint Water Board
FROM: Benjamin Levesque, P.E.
COPY: Noreen Jordan, Holbrook Department of Public Works
DATE: August 14, 2017

The National Pollutant Discharge Elimination System (NPDES) Potable Water Treatment Facility General Permit (PWTF GP) requires that facilities seeking coverage under the permit must determine whether their discharges or implementation of best management practices (BMPs) to control such discharges potentially could have an adverse effect on a property that is either listed or eligible for listing on the National Register of Historic Places.

The pumping station at the water treatment plant is registered with the Massachusetts Cultural Resource Information System as a historic structure (RAN.148). It was constructed in 1889 to deliver water to the two towns, and it was converted to a water treatment plant in 1936. The facility has been upgraded and expanded in 1963, 1973, and 1991 to contain more filters, new and larger pumps, new piping, and larger basins. It is classified as a historic place because it has architecture, community planning, engineering, and politics government significance.

Tighe & Bond completed the special eligibility determination for the National Historic Preservation Act as required by Section 1.4 and Appendix II of the PWTF GP. A historic structure was identified; however, it will not be affected by the discharge as the discharge is located approximately 90 feet away from the structure, and it will not be affected by construction of BMPs to control the discharge as none are planned at this time. Therefore, the Randolph/Holbrook Water Treatment Plant continues to meet the PWTF GP eligibility criteria for protection of historic properties and therefore is eligible for coverage under the permit.

This memorandum serves as documentation that the National Historic Preservation Act eligibility criteria has been met under scenario 2 of the permit ("If historic properties are identified but it is determined that they will not be affected by the discharges or construction of BMPs to control the discharge, the applicant has met the NHPA eligibility criteria for coverage under this permit.") This memorandum should be stored on-site with records related to the PWTF GP. No further action is required at this time.

If the Board undertakes construction on or around a property that is listed or eligible for listing, the Board must coordinate with the State Historic Preservation Officer (SHPO) (i.e. the Massachusetts Historical Commission) by submitting a Project Notification Form and associated documentation for the project. As applicable for each project, the Board will be required to implement measures to avoid or minimize adverse impacts on places listed, or eligible for listing, on the NRHP, including any conditions imposed by the SHPO or THPO.