

NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES) GENERAL

PERMITS

FOR DISCHARGES FROM POTABLE WATER TREATMENT

FACILITIES

MAG640000 AND NHG640000

Notice of Intent

A. Facility Information

1. Indicate applicable General Permit for discharge **MAG640000**

2. Facility Data

Scituate Well 18B Treatment Facility

PWS ID#4264000

Driftway, Scituate MA 02066

42° 10' 41" N

70° 44" 22" W

SIC Code(s) **4941-Water Supply**

Type of Business **Not applicable**

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

Scituate Water Division

4 Old Oaken Bucket Rd

Scituate, MA 02066

4. Facility Owner:

Town of Scituate

Department of Public Works

Town Hall

600 Chief Justice Cushing Highway

Scituate, MA 02066

Contact Person:

Kevin Cafferty

Director of Public Works

kcafferty@scituatema.org

(781) 545-8732

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

Other (describe) _____

Municipal

5. Facility Operator (if different from above):

Same as above

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 _____

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.

See attached Figure Well 18B Greensand Filter Backwash Disposal 280 Driftway, Scituate, Massachusetts February 2021

See attached Drawings C-101 and C-102 showing Well 18B Water Treatment Plant Modifications.

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

1. Name of receiving water into which discharge will occur: Check Appropriate Box: ☒ Freshwater ☐ Marine
Water State Water Quality Classification Class _____ Type of Receiving Water Body (e.g., stream, river, lake, reservoir, estuary, etc.) ☒ Hatherly Pond on Widow's Walk Golf Course

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 _____

Well 18B operates seasonally, from April to September, 210 days per year.

Batch discharge occurs on a daily basis during backwash.

Four Greensand Filters are backwashed one or two times per day.

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.)

EXISTING TREATMENT

Potassium Hydroxide Corrosion Control

Sodium Hypochlorite Chlorination

GreenSand Filtration, Backwash to Frac Tank

Fluoridation

NEW TREATMENT FOR FILTER BACKWASH

Sodium Sulfite Dechlorination

Hydrochloric acid and potassium hydroxide for pH control

Settling tank for TSS removal

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.

See attached drawing P-1 Piping and Instrumentation Diagram – Existing Treatment

See attached drawing PI-101 Piping & Instrumentation Diagram - 1

5. Identify the source of the water being discharged: Surface water Groundwater Other (describe)

Groundwater from water supply well.

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

Outfall # Latitude _____ Longitude _____

Outfall #1
43° 10' 41.40" N
70° 44' 3.81" W

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 – Discharge pipe outlet

Ambient water body – In vicinity of MW-7D/MW-7S

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.

EXISTING TREATMENT

Potassium Hydroxide Corrosion Control

Sodium Hypochlorite

Fluoridation

NEW TREATMENT FOR FILTER BACKWASH

Sodium Sulfite Dechlorination

Hydrochloric acid and potassium hydroxide for pH control

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

None

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 ☒ N/A

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

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: _____ 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 any calculation sheets used to support the stream flow and dilution factors. See Appendix VII for equations and additional information.

Not applicable

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

Outfall #1

a) Design Flow of Facility (in million gallons per day, MGD): This value will determine the facility's daily maximum flow limit, up to a maximum of 1.0 MGD.

Well 18B permitted water supply capacity is 0.216 MGD (150 gallons per minute)

b) Discharge Flow (in gallons per day, GPD): Maximum Daily Flow _____ GPD Average Monthly Flow _____ GPD

Maximum Daily Flow

(4 filters, 4 thirty-minute backwash cycles per filter, 85 gpm backwash rate)

40,800 GPD

Average Daily Flow

(4 filters, 2 thirty-minute backwash cycles per filter, 85 gpm backwash rate)

20,400 GPD

c) TSS (mg/l): Number of samples: _____ (Minimum of 10 samples)
Maximum Daily _____ mg/l Average Monthly _____ mg/l

New Discharge – Settling tank to be provided prior to discharge.

d) pH (s.u.) : Number of samples: _____ (Minimum of 10 samples) Minimum _____ s.u. Maximum _____ s.u.

New Discharge – pH adjustment to occur prior to discharge.

e) Total Residual Chlorine (ug/l): Number of samples: _____ (Minimum of 10 samples) Maximum Daily _____ ug/l

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

New Discharge – Sodium Sulfite to be utilized for dechlorination prior to discharge.

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 PWTGP (which expired on 10/2/14).

Not applicable

~~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 ☐ No

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? ☐ Yes ☒ No

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 ☒ No

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

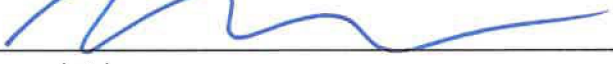
Please provide any supplemental information, including antidegradation review information applicable to new or increased discharges. Attach any analytical data used to support the application. Attach any certification(s) required by the General Permit.

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 _____
Printed Name and Title _____

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

Not applicable

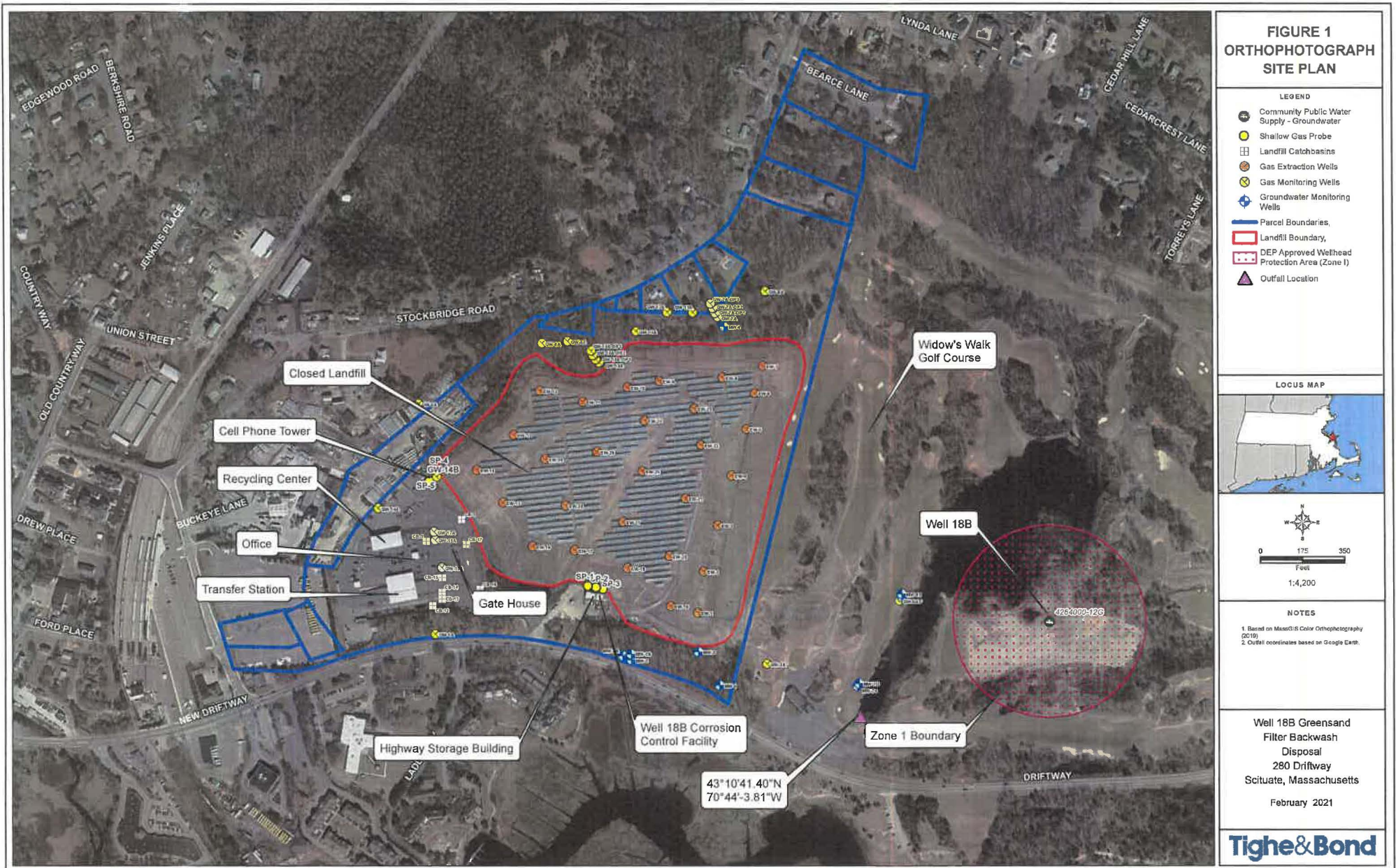
1. Check the box if you are applying for an “opt-out request.”

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.)

J:\S\S5001 Scituate DPW\029A Scituate 18B\MSGP_golf_course_pond\MSGP NOI FORM.docx

ATTACHMENT A

WELL 18B GREENSAND FILTER BACKWASH DISPOSAL
280 DRIFTWAY, SCITUATE, MA FEBRUARY 2021



ATTACHMENT B

DRAWINGS C-101 AND C-102 SHOWING WELL 18B WATER TREATMENT
PLANT MODIFICATIONS

ISSUED FOR CONSTRUCTION

Well 18B Water Treatment Plant Modifications

Town of Scituate

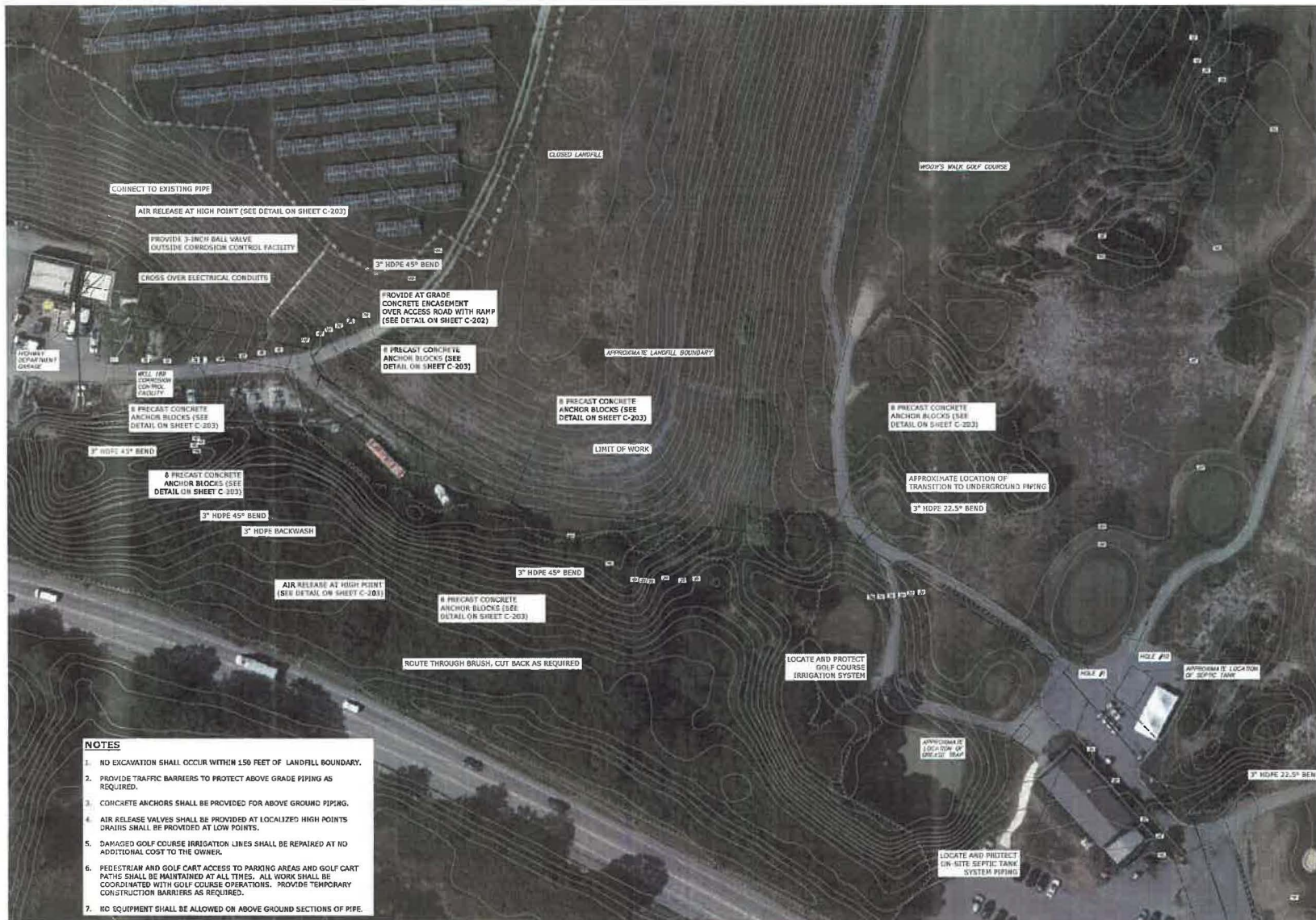
Scituate, Massachusetts

NO.	DATE	DESCRIPTION
0	3/17/2021	CONSTRUCTION SET
PROJECT NO.	55001-0258	
DATE	02/24/2021	
FILE	55001-0258-C-101-102.dwg	
DRAWN BY	CW	
CHECKED BY	CH	
APPROVED BY	JM	

PROPOSED PLAN FILTER BACKWASH DISPOSAL 1 OF 2

SCALE: 1" = 40'

C-101



ISSUED FOR CONSTRUCTION

**Well 18B
Water
Treatment
Plant
Modifications**

Town of
Scituate

Scituate,
Massachusetts

0	1/1/2023	CONSTRUCTION SET
DATE	DESCRIPTION	
PROJECT NO.	55001-039A	
DATE	07/24/2023	
FILE	55001-039A-C-101-102.dwg	
DRAWN BY:	GM	
CHECKED BY:	CS	
APPROVED BY:	JRM	

PROPOSED PLAN FILTER
BACKWASH DISPOSAL 2 OF 2

SCALE: 1" = 40'

C-102

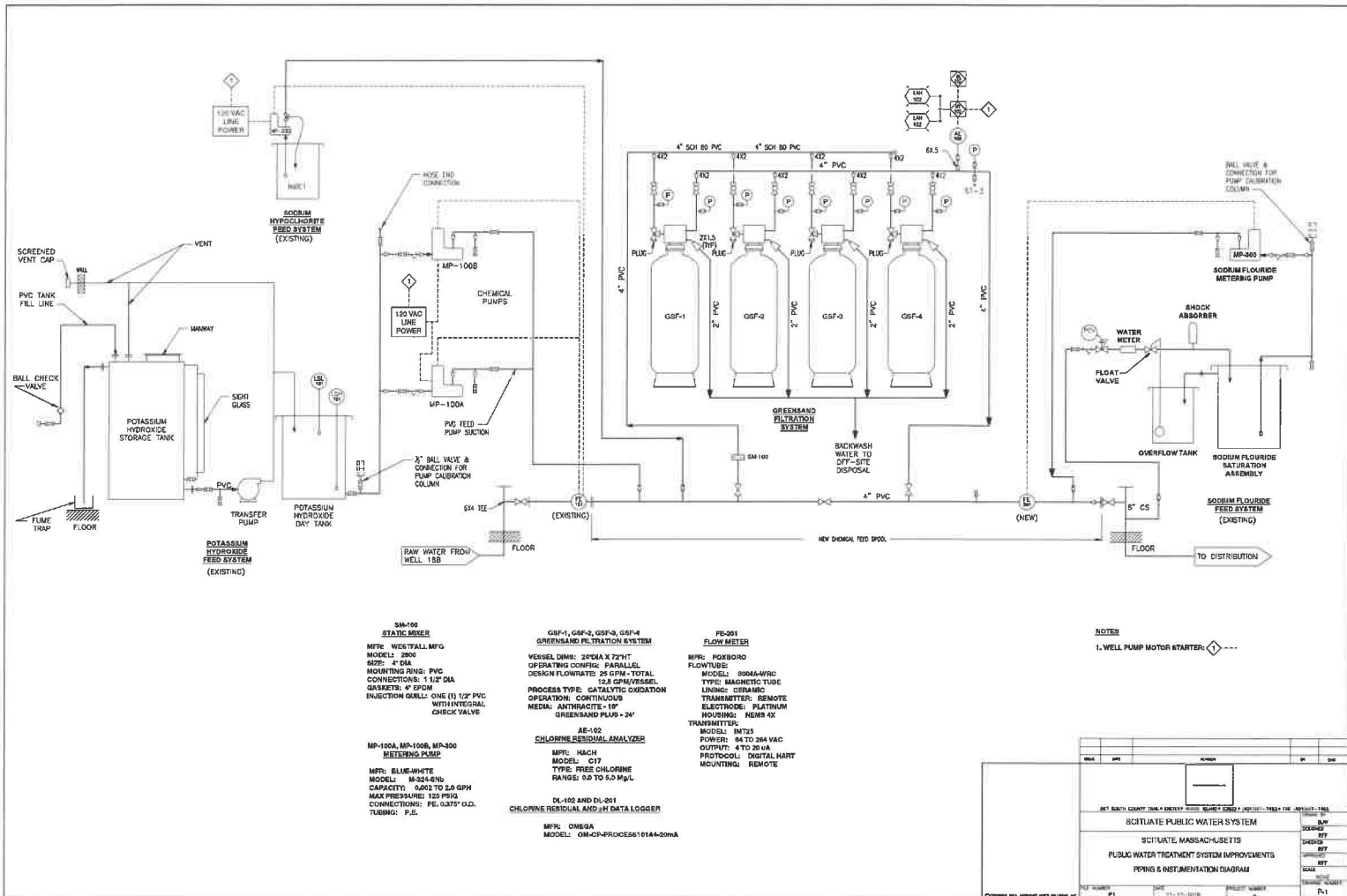


NOTES

1. NO EXCAVATION SHALL OCCUR WITHIN 150 FEET OF LANDFILL BOUNDARY.
2. VICTALUC PIPING MAY BE PROVIDED ABOVE GRADE WHERE APPROVED BY THE ENGINEER.
3. EXACT LOCATION OF PIPING AND ROAD CROSSING SHALL BE COORDINATED WITH THE OWNER.
4. DAMAGED GOLF COURSE IRRIGATION LINES SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
5. DAMAGED SEPTIC SYSTEM PIPING SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
6. PEDESTRIAN AND GOLF CART ACCESS TO PARKING AREAS AND GOLF CART PATHS SHALL BE MAINTAINED AT ALL TIMES. ALL WORK SHALL BE COORDINATED WITH GOLF COURSE OPERATIONS. PROVIDE TEMPORARY CONSTRUCTION BARRIERS AS REQUIRED.

ATTACHMENT C

DRAWING P-1 PIPING AND INSTRUMENTATION DIAGRAM – EXISTING
TREATMENT



ATTACHMENT D

DRAWING PI-101 PIPING & INSTRUMENTATION DIAGRAM – 1

ISSUED FOR CONSTRUCTION

Well 18B
Water
Treatment
Plant
Modifications

Town of
Scituate

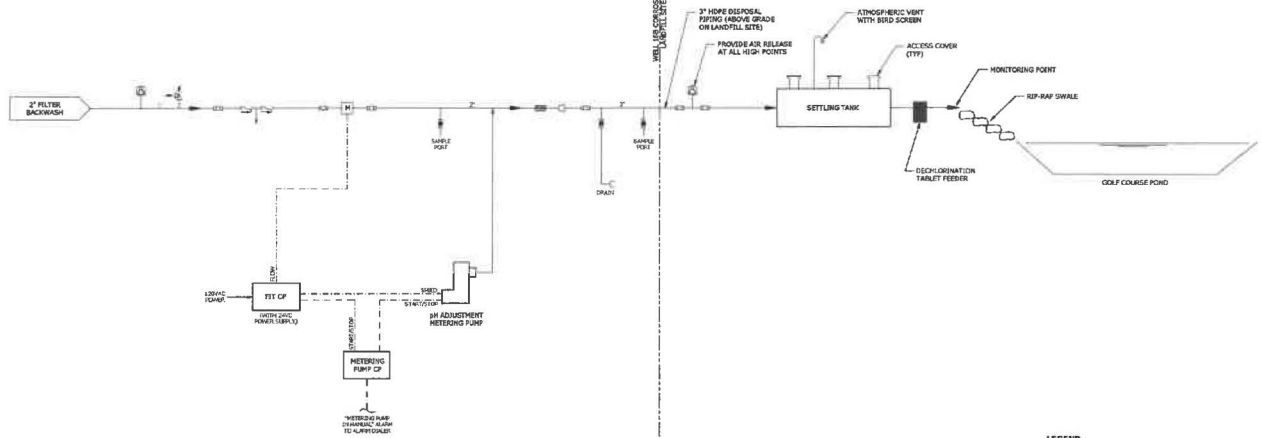
Scituate,
Massachusetts

REV	DATE	DESCRIPTION
1	05/01/2021	CONSTRUCTION SET

PIPING & INSTRUMENTATION
DIAGRAM - 1

SCALE: NO SCALE

PI-101



NOTES

1. CHEMICAL INJECTORS FOR pH ADJUSTMENT WILL BE LOCATED IN THE CORROSION CONTROL FACILITY BUILDING.

LEGEND

- 100 BALL VALVE (CLOSED)
- 101 BALL VALVE (OPEN)
- 102 AUTO AIR RELEASE VALVE
- 103 PRESSURE RELIEF VALVE
- 104 BACKFLOW PREVENTER
- 105 REDUCER
- 106 HOSE CONNECTION
- 107 CONTROL PANEL
- 108 FLOW INDICATING TRANSDUCER
- 109 METERING PUMP
- 110 MAGNETIC FLOW METER
- 111 STATIC OR IN-LINE METER
- 112 INSTRUMENTATION & CONTROL SIGNAL (4-20 mA)

ATTACHMENT E

DOCUMENTATION OF ENDANGERED SPECIES ACT ELIGIBILITY FOR US FISH
& WILDLIFE SERVICE



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
<http://www.fws.gov/newengland>



IPaC Record Locator: 139-100563212

March 25, 2021

Subject: Consistency letter for the 'Well 18B Water Treatment Plant Modifications' project indicating that any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o).

Dear Richard Canavan:

The U.S. Fish and Wildlife Service (Service) received on March 25, 2021 your effects determination for the 'Well 18B Water Treatment Plant Modifications' (the Action) using the northern long-eared bat (*Myotis septentrionalis*) key within the Information for Planning and Consultation (IPaC) system. You indicated that no Federal agencies are involved in funding or authorizing this Action. This IPaC key assists users in determining whether a non-Federal action may cause "take"^[1] of the northern long-eared bat that is prohibited under the Endangered Species Act of 1973 (ESA) (87 Stat.884, as amended; 16 U.S.C. 1531 et seq.).

Based upon your IPaC submission, any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o). Unless the Service advises you within 30 days of the date of this letter that your IPaC-assisted determination was incorrect, this letter verifies that the Action is not likely to result in unauthorized take of the northern long-eared bat.

Please report to our office any changes to the information about the Action that you entered into IPaC, the results of any bat surveys conducted in the Action area, and any dead, injured, or sick northern long-eared bats that are found during Action implementation.

If your Action proceeds as described and no additional information about the Action's effects on species protected under the ESA becomes available, no further coordination with the Service is required with respect to the northern long-eared bat.

The IPaC-assisted determination for the northern long-eared bat **does not** apply to the following ESA-protected species that also may occur in your Action area:

- Red Knot *Calidris canutus rufa* Threatened
- Roseate Tern *Sterna dougallii dougallii* Endangered



United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 Commercial Street, Suite 300
Concord, NH 03301-5094
Phone: (603) 223-2541 Fax: (603) 223-0104
<http://www.fws.gov/newengland>

In Reply Refer To:

March 25, 2021

Consultation Code: 05E1NE00-2021-SLI-2020

Event Code: 05E1NE00-2021-E-06368

Project Name: Well 18B Water Treatment Plant Modifications

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the ECOS-IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the ECOS-IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2)(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<http://www.fws.gov/endangered/esa-library/pdf/TOC-GLOS.PDF>

Please be aware that bald and golden eagles are protected under the Bald and Golden Eagle Protection Act (16 U.S.C. 668 *et seq.*), and projects affecting these species may require development of an eagle conservation plan (http://www.fws.gov/windenergy/eagle_guidance.html). Additionally, wind energy projects should follow the wind energy guidelines (<http://www.fws.gov/windenergy/>) for minimizing impacts to migratory birds and bats.

Guidance for minimizing impacts to migratory birds for projects including communications towers (e.g., cellular, digital television, radio, and emergency broadcast) can be found at:

<http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/towers.htm>;

<http://www.towerkill.com>; and

[http://](http://www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html)

www.fws.gov/migratorybirds/CurrentBirdIssues/Hazards/towers/comtow.html.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Tracking Number in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

Official Species List

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

New England Ecological Services Field Office

70 Commercial Street, Suite 300

Concord, NH 03301-5094

(603) 223-2541

Project Summary

Consultation Code: 05E1NE00-2021-SLI-2020

Event Code: 05E1NE00-2021-E-06368

Project Name: Well 18B Water Treatment Plant Modifications

Project Type: WATER SUPPLY / DELIVERY

Project Description: The project is to provide for treatment of public water supply. The work is the installation of piping and a settling tank for the discharge of filter backwash water. This system is proposed in compliance with the NPDES Potable Water Treatment Facility General Permit MAG640000.

Project Location:

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@42.1773841,-70.7367309,15.79995,14z>



Counties: Plymouth County, Massachusetts

Endangered Species Act Species

There is a total of 3 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.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

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.

1. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

Mammals

NAME	STATUS
Northern Long-eared Bat <i>Myotis septentrionalis</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/9045	Threatened

Birds

NAME	STATUS
Red Knot <i>Calidris canutus rufa</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1864	Threatened
Roseate Tern <i>Sterna dougallii dougallii</i> Population: Northeast U.S. nesting population No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2083	Endangered

Critical habitats

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

You may coordinate with our Office to determine whether the Action may cause prohibited take of the animal species listed above.

[1]Take means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct [ESA Section 3(19)].

Action Description

You provided to IPaC the following name and description for the subject Action.

1. Name

Well 18B Water Treatment Plant Modifications

2. Description

The following description was provided for the project 'Well 18B Water Treatment Plant Modifications':

The project is for the treatment of a public water supply. The work is the installation of piping and a settling tank for the discharge of filter backwash water. This system is proposed in compliance with the NPDES Potable Water Treatment Facility General Permit MAG640000.

Approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@42.1773841,-70.73673091579995,14z>

**Determination Key Result**

This non-Federal Action may affect the northern long-eared bat; however, any take of this species that may occur incidental to this Action is not prohibited under the final 4(d) rule at 50 CFR §17.40(o).

Determination Key Description: Northern Long-eared Bat 4(d) Rule

This key was last updated in IPaC on **May 15, 2017**. Keys are subject to periodic revision.

This key is intended for actions that may affect the threatened northern long-eared bat.

The purpose of the key for non-Federal actions is to assist determinations as to whether proposed actions are excepted from take prohibitions under the northern long-eared bat 4(d) rule.

If a non-Federal action may cause prohibited take of northern long-eared bats or other ESA-listed animal species, we recommend that you coordinate with the Service.

Determination Key Result

Based upon your IPaC submission, any take of the northern long-eared bat that may occur as a result of the Action is not prohibited under the ESA Section 4(d) rule adopted for this species at 50 CFR §17.40(o).

Qualification Interview

1. Is the action authorized, funded, or being carried out by a Federal agency?

No

2. Will your activity purposefully **Take** northern long-eared bats?

No

3. [Semantic] Is the project action area located wholly outside the White-nose Syndrome Zone?

Automatically answered

No

4. Have you contacted the appropriate agency to determine if your project is near a known hibernaculum or maternity roost tree?

Location information for northern long-eared bat hibernacula is generally kept in state Natural Heritage Inventory databases – the availability of this data varies state-by-state. Many states provide online access to their data, either directly by providing maps or by providing the opportunity to make a data request. In some cases, to protect those resources, access to the information may be limited. A web page with links to state Natural Heritage Inventory databases and other sources of information on the locations of northern long-eared bat roost trees and hibernacula is available at www.fws.gov/midwest/endangered/mammals/nleb/nhisites.html.

Yes

5. Will the action affect a cave or mine where northern long-eared bats are known to hibernate (i.e., hibernaculum) or could it alter the entrance or the environment (physical or other alteration) of a hibernaculum?

No

6. Will the action involve Tree Removal?

No

Project Questionnaire

If the project includes forest conversion, report the appropriate acreages below. Otherwise, type '0' in questions 1-3.

1. Estimated total acres of forest conversion:

0

2. If known, estimated acres of forest conversion from April 1 to October 31

0

3. If known, estimated acres of forest conversion from June 1 to July 31

0

If the project includes timber harvest, report the appropriate acreages below. Otherwise, type '0' in questions 4-6.

4. Estimated total acres of timber harvest

0

5. If known, estimated acres of timber harvest from April 1 to October 31

0

6. If known, estimated acres of timber harvest from June 1 to July 31

0

If the project includes prescribed fire, report the appropriate acreages below. Otherwise, type '0' in questions 7-9.

7. Estimated total acres of prescribed fire

0

8. If known, estimated acres of prescribed fire from April 1 to October 31

0

9. If known, estimated acres of prescribed fire from June 1 to July 31

0

If the project includes new wind turbines, report the megawatts of wind capacity below. Otherwise, type '0' in question 10.

10. What is the estimated wind capacity (in megawatts) of the new turbine(s)?

0
