

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

1. Name of receiving water into which discharge will occur: **Wetlands adjacent to the Charles River**

Freshwater ☒ Marine Water ☐

State Water Quality Classification Class: **NA - Wetlands**

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

2. 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?** ☒

3. Describe the discharge activities for which the owner/applicant is seeking coverage (e.g., building cooling, process line cooling, etc.) **Noncontact cooling water discharges for electrode and hot end distributor cooling (Outfall No. 003).**
Note that Outfall No. 003 is the only outfall currently in service.

4. Number of Outfalls 1 Latitude and Longitude to the nearest second for each Outfall. See EPA's siting tool at http://www.epa.gov/tri/reporting/siting_tool. Attach additional pages if necessary.

Outfall # 003 Latitude: **-71.510775**

Longitude: **42.127025**

5. For each Outfall provide the following discharge information:

Outfall # **003**

a) Maximum Daily Flow: **0.05 MGD**

Average Monthly Flow: **0.03 MGD**

NOTE: EPA will use the flow reported here as the facility's permitted effluent flow limit.

b) Maximum Daily Temperature: **83.8 °F**

Average Monthly Temperature **66.0 °F**

c) Maximum Monthly pH: **8.3 s.u.**

Minimum Monthly pH: **6.5 s.u.**

d) Outfall's discharge is: continuous ☒ intermittent ☐ seasonal ☐

6. Is the source of the NCCW potable water? yes ☒ no ☐

If yes, EPA will calculate a Total Residual Chlorine effluent limit for your facility.

7. Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water **NA – Wetlands**
Attach any calculation sheets used to support stream flow and/or dilution calculations.

8. For facilities that discharge to Massachusetts surface waters:

a) Submit the completed engineering calculation of the surface water temperature rise as shown in Attachment B of the General Permit. Calculation attached? **NA – discharge to a wetland, no known water body mass or flows to use as per Attachment B example calculations.**

b) Does the discharge occur in an Area of Critical Environmental Concern (ACEC)? yes ☐ no ☒

If yes, provide the name of ACEC _____

Note: See Part 3.4 and Appendix 1 of the General Permit for more information on ACEC.

C. Chemical Additives

1. Are any non-toxic neutralization and/or dechlorination chemicals used in the discharge(s)? yes ☐ no ☒

2. If yes, attach a listing of each chemical used. Include the chemical name and manufacturer; maximum and average daily quantity used on a monthly basis, as well as the maximum and average daily expected concentrations (mg/l) in the discharge, and the vendor's reported aquatic toxicity (NOAEL and/or LC₅₀ in percent for typically acceptable aquatic organism).

3. Was the listing submitted with the facility's 2008 NCCWGP NOI? yes ☐ no ☐

D. NCCW Source Water Information

1. State the source of the NCCW (e.g., municipal water supply, private well, surface water withdrawal, etc.).

Source: **Municipal Water Supply**

Name of Source Water: **Milford Water Company**

2. Is the source water registered/permitted under MA Water Management Act or NHDES User Registration Rule (ENV WQ 2202)? yes ☒ no ☐ If yes, registration number: **220118501**

3. If the source water is groundwater (non-municipal well water), see Appendix 9 of the General Permit and submit effluent (and receiving water hardness) test results, as required in Part 5.4 of the General Permit.

Test results attached? ☐

4. Does the facility use both a primary and backup source of NCCW? yes ☐ no ☒ If yes, **attach information** that identifies and explains the primary and backup sources of NCCW and how often the backup supply was used in the past three years.

E. Best Technology Available for Cooling Water Intake Structures (CWISs)

If the facility's discharge is covered by this General Permit and the facility **withdraws non-contact cooling water from a surface water**, you are subject to the BTA requirements at Part 4.2 of the General Permit.

1. Are you subject to the BTA requirements of the General Permit? yes ☐ no ☒

a) If no, explain: **Municipal water is used as noncontact cooling water.** and skip to F.

b) If yes, was the facility-specific BTA description submitted with the facility's 2008 NCCW GP NOI?

yes ☐ no ☐

c) If yes, does that description accurately describe the facility current operations and practices? yes ☐ no ☐

2. If the facility is subject to the General Permit's BTA requirements and is requesting coverage under the NCCWGP for the first time, or if you answered "No" to question E.1.c. above, attach the facility-specific BTA description as required in Part 4.2 of the General Permit. For additional information and guidance, see Section IV of the Fact Sheet.

Include in your description:

- a) Measures to meet the General Permit Part 4.3.a general BTA requirements, including documentation that describes the facility's monitoring program for impinged fish and/or invertebrate; or the required alternative monitoring plan frequency and/or protocol.
- b) A characterization of the source water body's aquatic life habitat in the vicinity of each CWIS during the seasons when the CWIS may be in use.
- c) The attributes of the current CWIS.
- d) The design measures of the CWIS.
- e) The operation measures of the CWIS.
- f) The historical occurrence of impinged fish for the past five years.
- g) If applicable, a demonstration that the facility's intake rate is commensurate with a closed-cycle recirculation system.
- h) Other components to reduce impingement and/or entrainment of aquatic life.

3. Provide the following information for each CWIS to support your attached facility-specific BTA description:

- a) The design capacity of the of the CWIS _____ MGD
- b) Maximum monthly average intake of the CWIS during the previous five years _____ MGD
- c) The month in which this flow reported in 3.b. occurred _____
- d) The maximum through-screen design intake velocity _____ feet/second (fps)

4. For facilities where the CWIS is located on a freshwater river or stream, provide the following information:

- a) The source water's annual mean flow in MGD as available from USGS or other appropriate source _____ MGD
- b) The design intake flow as a % of the source water's annual mean flow _____ %
Attach calculations if equal to or less than 5% of annual mean flow.
- c) The source water's 7Q10 _____ MGD
- d) The design intake flow as a percent of the source water's 7Q10 _____ %

5. Provide a map showing the location of each cooling water intake structure; NCCW Outfall(s) and CWIS features referred to in the BTA description. **Map attached?** ☐

F. Endangered Species Act Eligibility Information

Using the instructions in Appendix 2 of the NCCW GP, which of the following criteria apply to your facility? 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 and/or NOAA Fisheries 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 3.4 and Appendix 2 of the General Permit.
Documentation attached? X

4. Please indicate if your facility **directly intakes water for non-contact cooling** from any of the following waterbodies:

- ☐ Merrimack River
- ☐ Connecticut River
- ☐ Piscataqua River
- ☐ Taunton River

EPA will consult with the National Marine Fisheries Service on cooling water intakes covered under this permit in areas (in the above waterbodies) of the endangered Shortnose Sturgeon and Atlantic Sturgeon.

G. 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 ☒

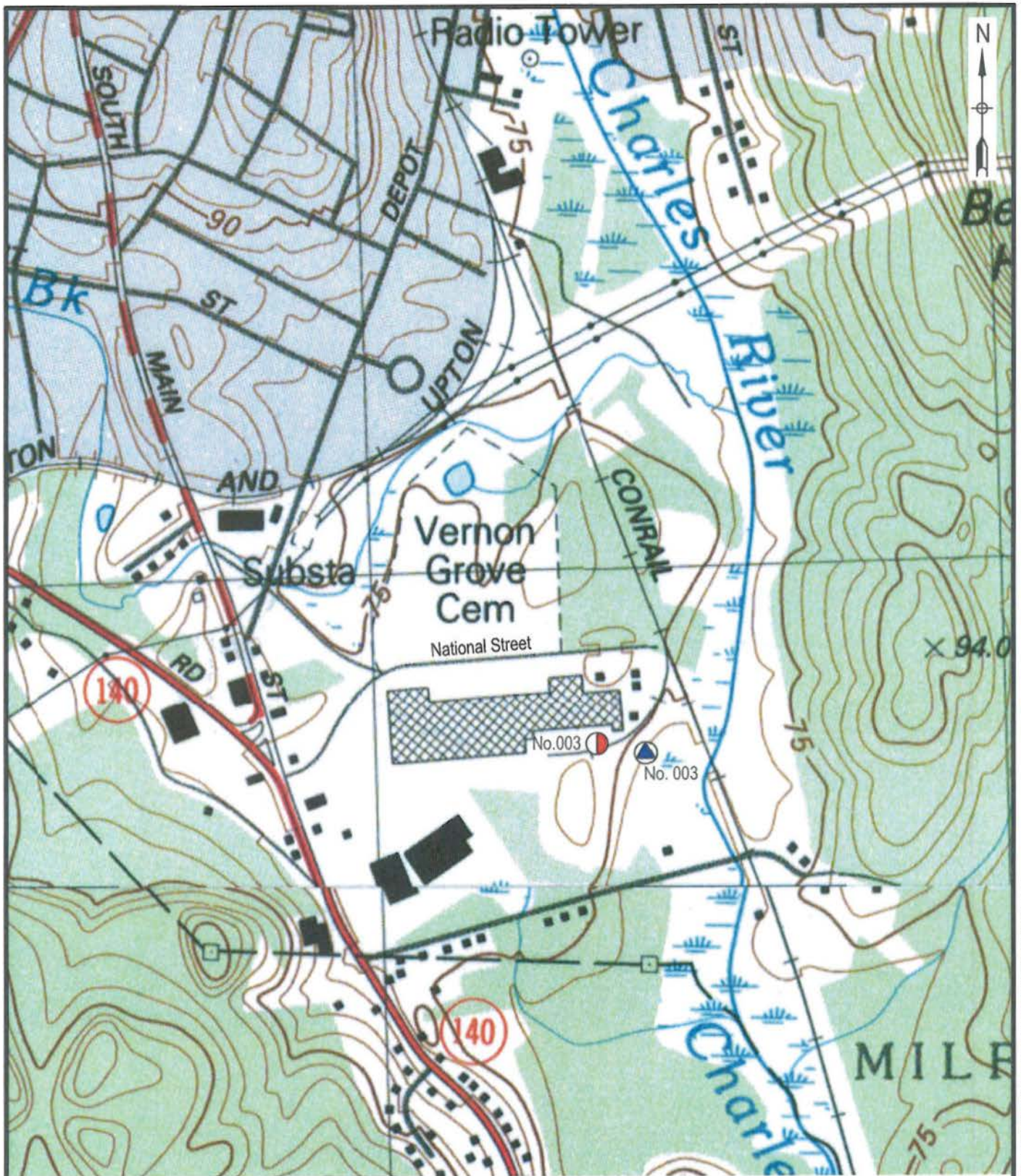
2. Have any State or Tribal Historic Preservation Officers been consulted in this determination? yes ☐ no ☒
If yes, attach the results of the consultation(s).

3. Which of the three National Historic Preservation Act scenarios listed in Appendix 3, Section C have you met?
☒ 1 ☐ 2 ☐ 3

H. Supplemental Information

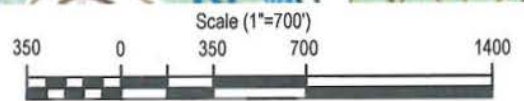
*NOI Attachment 1
Figures*

- (1) Topographic Map Showing Outfall
- (2) Facility Wastewater and NCCW Process Flow Diagram



Legend

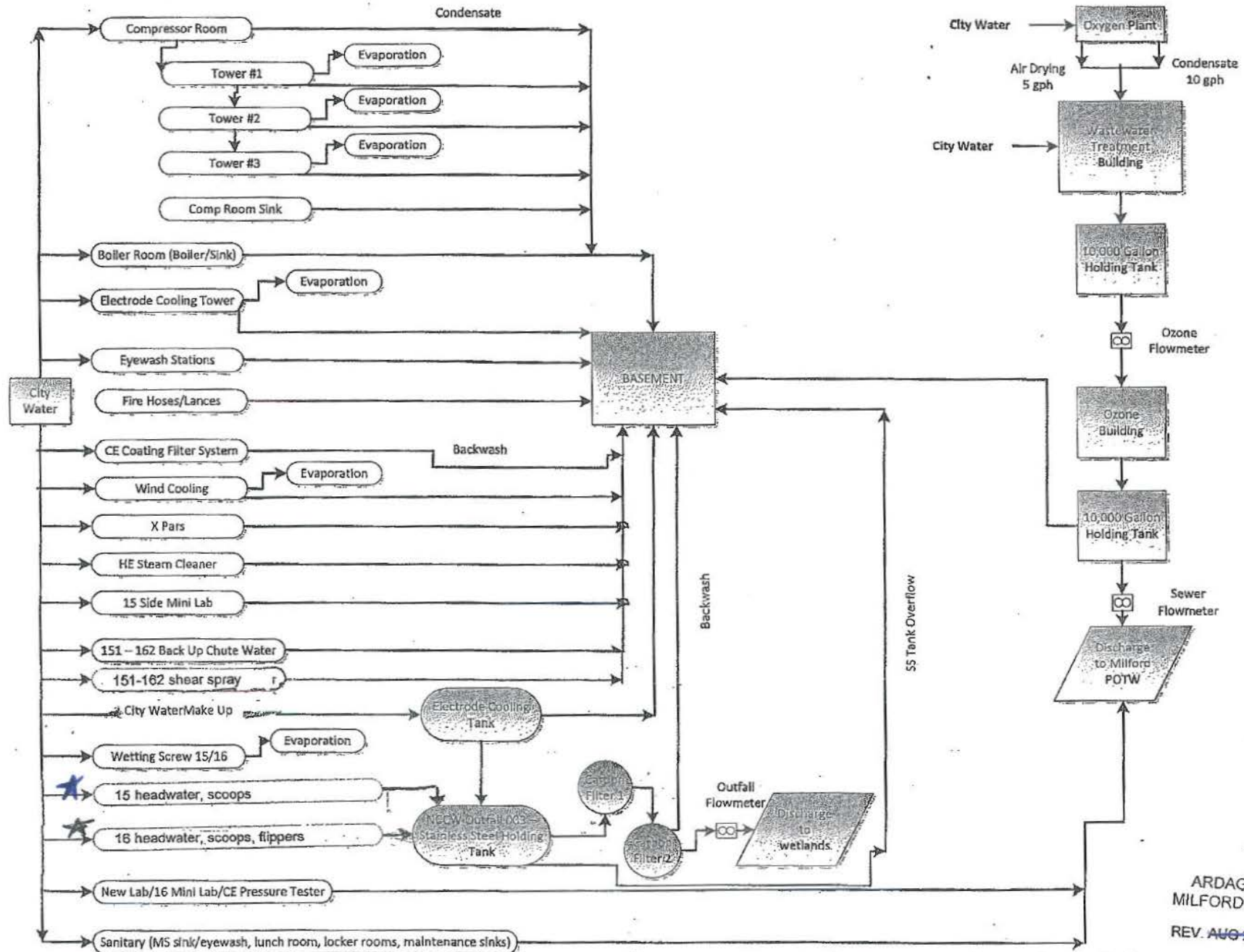
-  Sampling Location for NCCW Discharge
-  Outfall for NCCW Discharge



Attachment 1 - Discharge Locations
 March 2015
 Ardagh Glass
 1 National Street, Milford, MA



WASTE WATER AND NON-CONTACT COOLING WATER FLOW DIAGRAM



ARDAGH
MILFORD, MA

REV. AUG 2014 - Jan 2015

*NOI Attachment 2
Documentation of
Endangered Species Act
(ESA) Eligibility*

- (1) US F&WS Listing of Endangered
and Threatened Species in
Massachusetts
- (2) Priority Resources Map



United States Department of the Interior

FISH AND WILDLIFE SERVICE
New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 3301
PHONE: (603)223-2541 FAX: (603)223-0104
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Consultation Code: 05E1NE00-2015-SLI-0320

March 10, 2015

Event Code: 05E1NE00-2015-E-00512

Project Name: Saint-Gobain

Subject: List of threatened and endangered species that may occur in your proposed project location, and/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://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



United States Department of Interior
Fish and Wildlife Service

Project name: Saint-Gobain

Official Species List

Provided by:

New England Ecological Services Field Office
70 COMMERCIAL STREET, SUITE 300
CONCORD, NH 3301
(603) 223-2541
<http://www.fws.gov/newengland>

Consultation Code: 05E1NE00-2015-SLI-0320

Event Code: 05E1NE00-2015-E-00512

Project Type: ** Other **

Project Name: Saint-Gobain

Project Description: Site is located south of National Street in Milford, Massachusetts. The Project involves the filing an updated Notice of Intent for Non-Contact Cooling Water to the U.S. EPA. Site conditions are not expected to change from the existing operations.

Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your previous Official Species list if you have any questions or concerns.



United States Department of Interior
Fish and Wildlife Service

Project name: Saint-Gobain

Project Location Map:



Project Coordinates: MULTIPOLYGON (((-71.5173146 42.1274883, -71.5099374 42.1279976, -71.5088216 42.1254513, -71.5158597 42.1243054, -71.5156881 42.1243054, -71.5160314 42.1241781, -71.5173146 42.1274883)))

Project Counties: Worcester, MA



United States Department of Interior
Fish and Wildlife Service

Project name: Saint-Gobain

Endangered Species Act Species List

There are a total of 0 threatened or endangered species on your 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. Critical habitats listed under the **Has Critical Habitat** column may or may not lie within your project area. See the **Critical habitats within your project area** section further below for critical habitat that lies within your project. Please contact the designated FWS office if you have questions.

There are no listed species identified for the vicinity of your project.



United States Department of Interior
Fish and Wildlife Service

Project name: Saint-Gobain

Critical habitats that lie within your project area

There are no critical habitats within your project area.