

c) Is there a pending NPDES application 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?

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

1. Name of receiving water into which discharge will occur: Connecticut River
 Freshwater Marine Water
 State Water Quality Classification Class 5
 Type of Receiving Water Body (e.g., stream, river, lake, reservoir, estuary, etc.) River

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.) Non-Contact Cooling Water

4. Number of Outfalls 2 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 # <u>1</u>	Latitude <u>42° 11' 30.58" N</u>	Longitude <u>72° 36' 29.62" W</u>
Outfall # <u>2</u>	Latitude <u>42° 11' 34.31" N</u>	Longitude <u>72° 36' 23.53" W</u>
Outfall # _____	Latitude _____	Longitude _____

5. For each Outfall provide the following discharge information:

Outfall # 1

a) Maximum Daily Flow .6 MGD Average Monthly Flow .049 MGD
NOTE: EPA will use the flow reported here as the facility's permitted effluent flow limit.

b) Maximum Daily Temperature 83 °F Average Monthly Temperature 67.5 °F

c) Maximum Monthly pH 8.3 s.u. Minimum Monthly pH 6.5 s.u.

d) Outfall's discharge is: continuous intermittent seasonal

Outfall # 2

a) Maximum Daily Flow .4 MGD Average Monthly Flow .028 MGD
NOTE: EPA will use the flow reported here as the facility's permitted effluent flow limit.

b) Maximum Daily Temperature 83 °F Average Monthly Temperature _____ °F

c) Maximum Monthly pH 8.3 s.u. Minimum Monthly pH 6.5 s.u.

d) Outfall's discharge is: continuous intermittent seasonal

Outfall # _____

a) Maximum Daily Flow _____ MGD Average Monthly Flow _____ MGD
NOTE: EPA will use the flow reported here as the facility's permitted effluent flow limit.

b) Maximum Daily Temperature _____ °F Average Monthly Temperature _____ °F

c) Maximum Monthly pH _____ s.u. Minimum Monthly pH _____ 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 1147 MGD

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?

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 Private wells

Name of Source Water Well #1, #2, #3, #4

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 10613701

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 no CWIS's; wells are water source 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?

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

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.

I. 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:

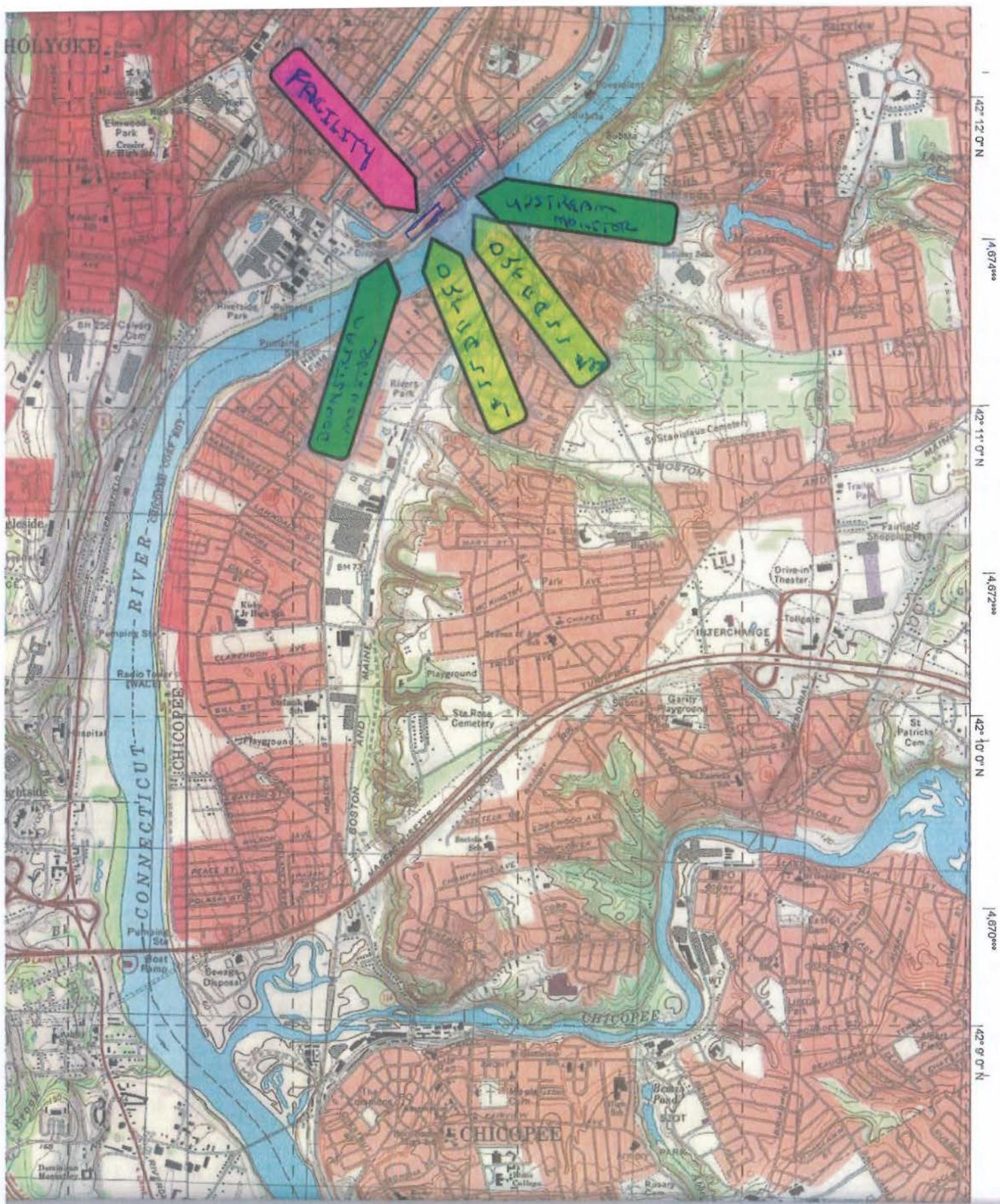
I certify under penalty of law that (1) no biocides or other chemical additives except for those used for pH adjustment and/or dechlorination are used in the noncontact cooling water (NCCW) system; (2) the discharge consists solely of NCCW (to reduce temperature) and authorized pH adjustment and/or dechlorination chemicals; (3) the discharge does not come in contact with any raw materials, intermediate product, water product (other than heat) or finished product; (4) if the discharge of noncontact cooling water subsequently mixes with other wastewater (i.e. stormwater) prior to discharging to the receiving water, any monitoring provided under this permit will be only for noncontact cooling water; (5) where applicable, the facility has complied with the requirements of this permit specific to the Endangered Species Act and National Historic Preservation Act; and (6) this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature  Date 12/11/14
Printed Name and Title President & CEO President & CEO

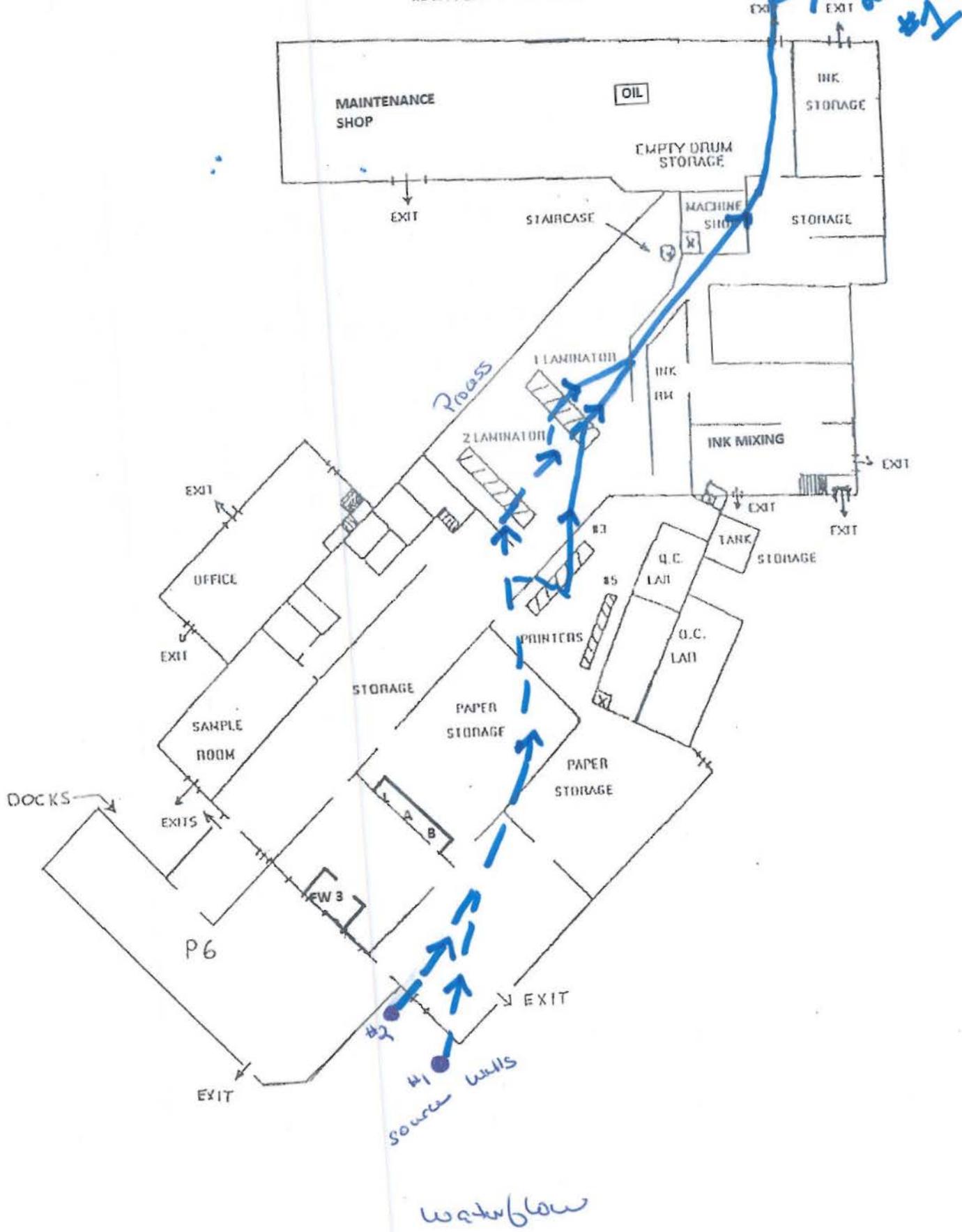
Federal regulations require this application to be signed as follows:

- 1. For a corporation, by a principal executive officer of at least the level of vice president;
- 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.



Hazen Paper Company
Holyoke, Ma

HAZEN PAPER COMPANY
MAIN PLANT - LOWER LEVEL



to outside #1

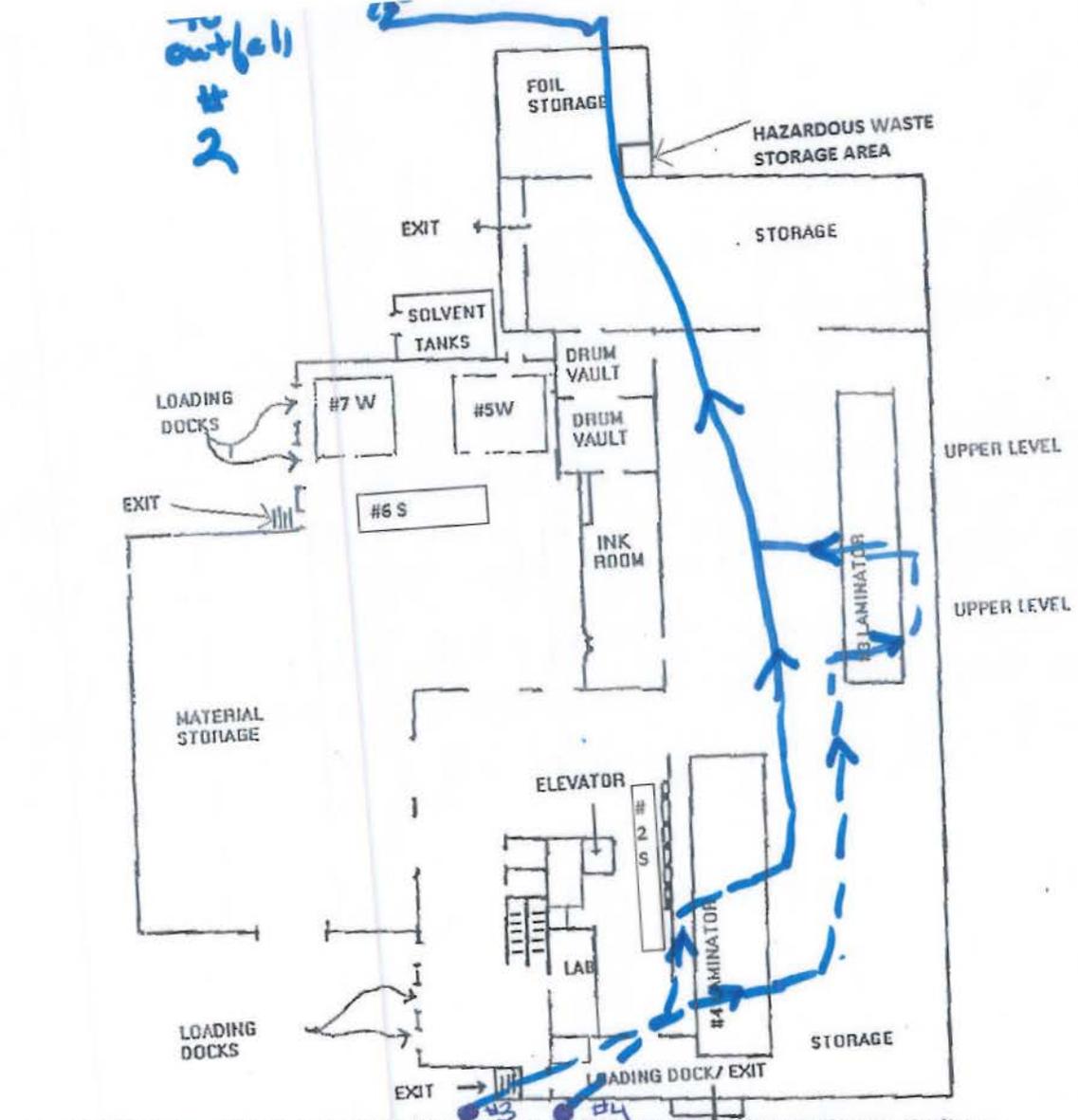
Process

source wells

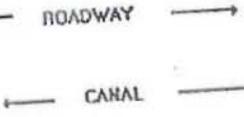
water flow

To
outfall

2



Source
w/18



HAZEN PAPER COMPANY
NORTH PLANT- MAIN LEVEL
JULY 23, 1992
REV. 8/97 J.B.
REV 10-29-13 JBB

water flow

Hazen Paper Company
Surface Water Temperature Rise Calculations

Outfalls #1 and #2

well water as source

max reported effluent ° F

82.22

Ma Cold Water Fishery upstream measured temp ° F

58

max flow MGD

0.6

7Q10 for Conn River MGD

1147

$$\begin{aligned} T_F &= \frac{m_p T_p + m_r T_r}{m_p + m_r} \\ &= \frac{(.6 * 82.22) + (1147 * 58)}{.6 + 1147} \\ &= \frac{49.332 + 66526}{1147.6} \\ &= \frac{66575.332}{1147.6} \\ &= 58.0127 \text{ } ^\circ \text{F} \end{aligned}$$

$$\begin{aligned} \Delta T_r &= T_F - T_r \\ &= 58.0127 - 58 \\ &= 0.0127 \text{ } ^\circ \text{F} \end{aligned}$$

Client Sample Results

Client: Hazen Paper Company
Project/Site: NCCW Effluent

TestAmerica Job ID: 480-70264-1

Client Sample ID: Hazen Paper-Housatonic

Lab Sample ID: 480-70264-1

Date Collected: 10/28/14 11:05

Matrix: Water

Date Received: 10/28/14 12:25

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	109		40 - 110	10/31/14 13:24	11/24/14 11:50	1
Y Carrier	88.6		40 - 110	10/31/14 13:24	11/24/14 11:50	1

Client Sample ID: Hazen Paper-North Plant *outfall #2*

Lab Sample ID: 480-70264-2

Date Collected: 10/28/14 09:25

Matrix: Water

Date Received: 10/28/14 12:25

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050		mg/L		10/30/14 09:00	10/31/14 21:12	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		1.0	0.23	ug/L		11/26/14 13:48	12/01/14 20:57	2

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0		ug/L		10/30/14 11:33	10/31/14 22:20	1
Arsenic	ND		1.0		ug/L		10/30/14 11:33	10/31/14 22:20	1
Cadmium	ND		0.50		ug/L		10/30/14 11:33	10/31/14 22:20	1
Chromium	ND		1.5		ug/L		10/30/14 11:33	10/31/14 22:20	1
Copper	ND		1.0		ug/L		10/30/14 11:33	10/31/14 22:20	1
Lead	ND		1.0		ug/L		10/30/14 11:33	10/31/14 22:20	1
Nickel	2.0		1.0		ug/L		10/30/14 11:33	10/31/14 22:20	1
Silver	ND		0.50	0.014	ug/L		11/06/14 11:14	11/14/14 08:00	1
Zinc	22.5		10.0		ug/L		10/30/14 11:33	10/31/14 22:20	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		10/30/14 09:20	10/31/14 14:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	316		4.0	1.1	mg/L			11/14/14 04:30	1
Chloride	16.4		1.0	0.46	mg/L			11/24/14 14:29	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent)	ND		0.0050		mg/L			10/28/14 15:30	1
pH	8.08	HF	0.100		SU			10/28/14 16:09	1

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	1.45	U	1.73	1.73	2.84	pCi/L	11/06/14 10:04	11/10/14 07:24	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.228		0.142	0.143	0.205	pCi/L	10/31/14 13:11	11/25/14 07:27	1

TestAmerica Buffalo

Client Sample Results

Client: Hazen Paper Company
Project/Site: NCCW Effluent

TestAmerica Job ID: 480-70264-1

Client Sample ID: Hazen Paper-North Plant

Lab Sample ID: 480-70264-2

Date Collected: 10/28/14 09:25

Matrix: Water

Date Received: 10/28/14 12:25

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	101		40 - 110	10/31/14 13:11	11/25/14 07:27	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	0.151	U	0.237	0.237	0.398	pCi/L	10/31/14 13:24	11/24/14 11:55	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	101		40 - 110	10/31/14 13:24	11/24/14 11:55	1
Y Carrier	88.2		40 - 110	10/31/14 13:24	11/24/14 11:55	1

Client Sample ID: Hazen Paper-South Plant

Outfall #1

Lab Sample ID: 480-70264-3

Date Collected: 10/28/14 09:13

Matrix: Water

Date Received: 10/28/14 12:25

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050		mg/L		10/30/14 09:00	10/31/14 21:19	1

Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Uranium	ND		1.0	0.23	ug/L		11/26/14 13:48	12/01/14 21:04	2

Method: 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.0		ug/L		10/30/14 11:33	10/31/14 22:57	1
Arsenic	ND		1.0		ug/L		10/30/14 11:33	10/31/14 22:57	1
Cadmium	ND		0.50		ug/L		10/30/14 11:33	10/31/14 22:57	1
Chromium	ND		1.5		ug/L		10/30/14 11:33	10/31/14 22:57	1
Copper	1.2		1.0		ug/L		10/30/14 11:33	10/31/14 22:57	1
Lead	1.3		1.0		ug/L		10/30/14 11:33	10/31/14 22:57	1
Nickel	3.4		1.0		ug/L		10/30/14 11:33	10/31/14 22:57	1
Silver	ND		0.50	0.014	ug/L		11/06/14 11:14	11/14/14 08:24	1
Zinc	14.9		10.0		ug/L		10/30/14 11:33	10/31/14 22:57	1

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020		mg/L		10/30/14 09:20	10/31/14 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	535		10.0	2.6	mg/L			11/14/14 04:30	1
Chloride	30.8		1.0	0.46	mg/L			11/24/14 14:29	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium (hexavalent)	ND		0.0050	mg/L			10/28/14 15:30	1
pH	8.06	HF	0.100	SU			10/28/14 16:13	1

TestAmerica Buffalo

Client Sample Results

Client: Hazen Paper Company
Project/Site: NCCW Effluent

TestAmerica Job ID: 480-70264-1

Client Sample ID: Hazen Paper-South Plant

Lab Sample ID: 480-70264-3

Date Collected: 10/28/14 09:13

Matrix: Water

Date Received: 10/28/14 12:25

Method: 900.0 - Gross Alpha and Gross Beta Radioactivity

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	0.203	U G	2.54	2.54	4.87	pCi/L	11/06/14 10:04	11/10/14 07:24	1

Method: 903.0 - Radium-226 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-226	0.164	U	0.121	0.121	0.178	pCi/L	10/31/14 13:11	11/25/14 07:27	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		40 - 110	10/31/14 13:11	11/25/14 07:27	1

Method: 904.0 - Radium-228 (GFPC)

Analyte	Result	Qualifier	Count Uncert. (2σ+/-)	Total Uncert. (2σ+/-)	MDC	Unit	Prepared	Analyzed	Dil Fac
Radium-228	-0.101	U	0.203	0.204	0.381	pCi/L	10/31/14 13:24	11/24/14 11:55	1

Carrier	%Yield	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Ba Carrier	96.8		40 - 110	10/31/14 13:24	11/24/14 11:55	1
Y Carrier	91.2		40 - 110	10/31/14 13:24	11/24/14 11:55	1

Client Sample ID: Hazen Paper-Housatonic River

Lab Sample ID: 480-70264-4

Date Collected: 10/28/14 11:21

Matrix: Water

Date Received: 10/28/14 12:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	98.0		4.0	1.1	mg/L			11/14/14 04:30	1

Client Sample ID: Hazen Paper-Conn River

Lab Sample ID: 480-70264-5

Date Collected: 10/28/14 08:55

receiving water Hardness

Matrix: Water

Date Received: 10/28/14 12:25

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hardness as calcium carbonate	36.0		4.0	1.1	mg/L			11/14/14 04:30	1



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
URL: www.fws.gov/newengland

Consultation Tracking Number: 05E1NE00-2015-SLI-0033

October 10, 2014

Project Name: Hazen-Holyoke

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: Hazen-Holyoke

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 Tracking Number: 05E1NE00-2015-SLI-0033

Project Type: ** Other **

Project Description: NPDES permit renewal to discharge non-contact cooling water to the Connecticut River through the 2 outfalls. Water is well water that flows through the cooling rolls and discharges to the river.



United States Department of Interior
Fish and Wildlife Service

Project name: Hazen-Holyoke

Project Location Map:



Project Coordinates: MULTIPOLYGON (((-72.6077289 42.1920406, -72.6077431 42.1920315, -72.6077503 42.1920287, -72.6077581 42.1920289, -72.6077653 42.192032, -72.6077707 42.1920377, -72.6077735 42.1920449, -72.6077733 42.1920527, -72.6077702 42.1920599, -72.6077645 42.1920653, -72.60549 42.193512, -72.6054834 42.1935147, -72.6054762 42.1935149, -72.6054695 42.1935125, -72.605464 42.1935079, -72.605185 42.193174, -72.605181 42.1931666, -72.6051805 42.1931582, -72.6051835 42.1931504, -72.6051894 42.1931444, -72.6074425 42.1916818, -72.6074494 42.191679, -72.6074568 42.1916789, -72.6074637 42.1916815, -72.6074692 42.1916864, -72.6077267 42.1920203, -72.6077302 42.1920273, -72.6077307 42.1920351, -72.6077289 42.1920406), (-72.6077106 42.1920522, -72.6077083 42.1920523, -72.6077009 42.1920498, -72.6076951 42.1920447, -72.6074488 42.1917254, -72.6052301 42.1931657, -72.6054834 42.1934688, -72.6077106 42.1920522)))

Project Counties: Hampden, MA



United States Department of Interior
Fish and Wildlife Service

Project name: Hazen-Holyoke

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: Hazen-Holyoke

Critical habitats that lie within your project area

There are no critical habitats within your project area.