

- 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: Nashua River

Freshwater ☒ Marine Water ☐

State Water Quality Classification Class B warm water fishery (MA-81)

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 in metal forging operation

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 # <u>003</u>	Latitude <u>42 33' 58.93" N</u>	Longitude <u>-71 46' 23.20" W</u>
Outfall # _____	Latitude _____	Longitude _____
Outfall # _____	Latitude _____	Longitude _____

5. For each Outfall provide the following discharge information:

Outfall # 003

- a) Maximum Daily Flow 0.156 MGD Average Monthly Flow 0.13 MGD

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

- b) Maximum Daily Temperature 76 °F Average Monthly Temperature 62 °F

- c) Maximum Monthly pH 7.5 s.u. Minimum Monthly pH 6.0 s.u.

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

Discharge occurs during the work day.

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 ☐

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 6.0 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 well

Name of Source Water well # 8

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 21109702

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 Not using Surface 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? ☒

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

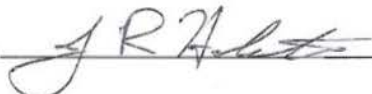
Please provide any supplemental information, including antidegradation review information applicable to new or increased discharges. Attach any analytical data used to support the application. Attach any certification(s) required by the General Permit.

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:

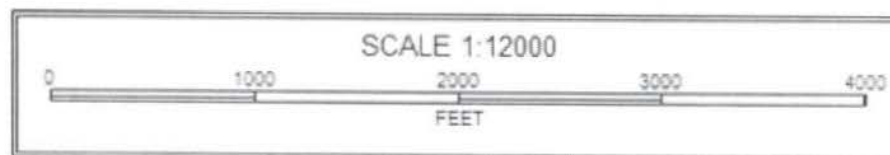
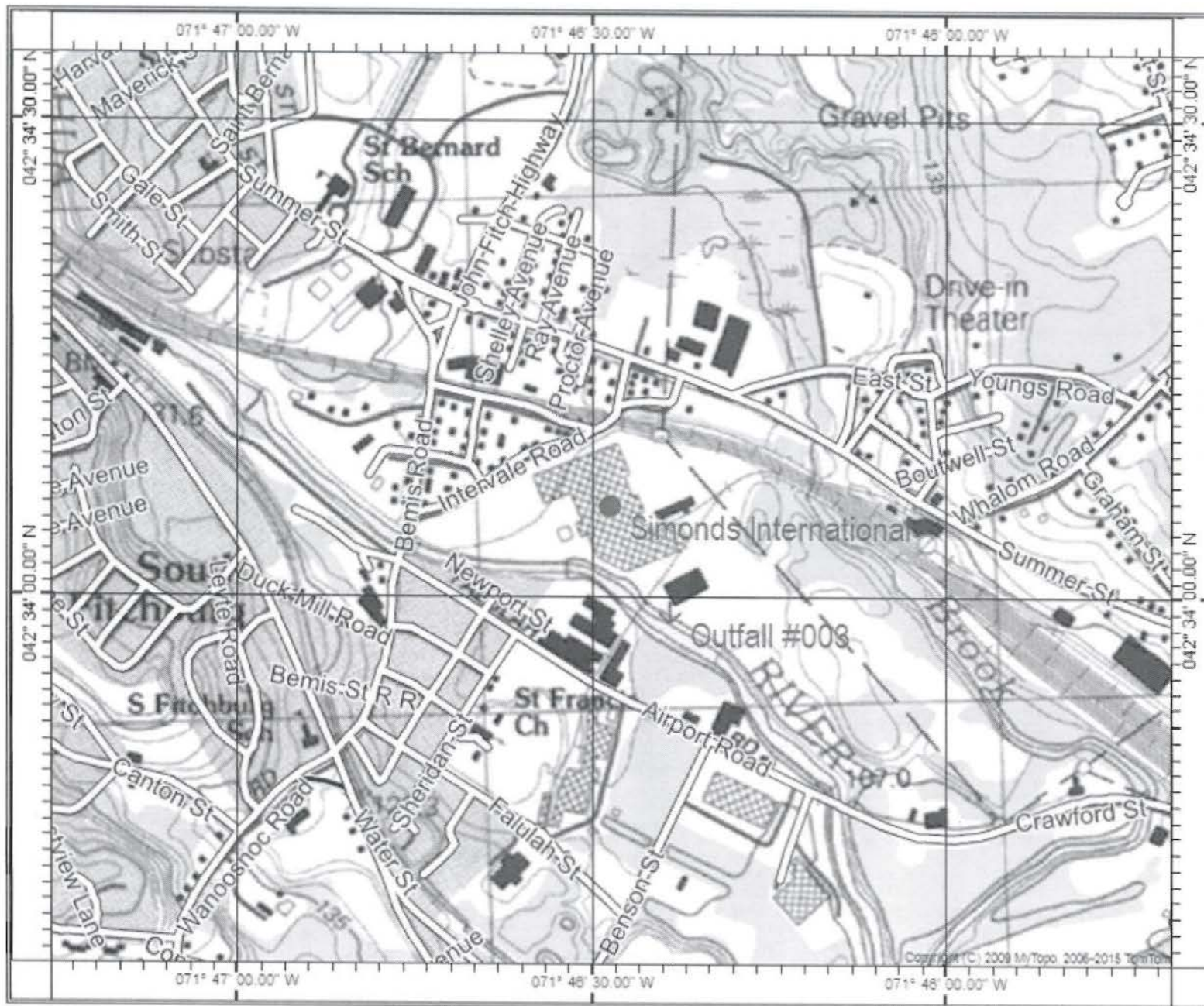
I certify under penalty of law that (1) no biocides or other chemical additives except for those used for pH adjustment and/or dechlorination are used in the noncontact cooling water (NCCW) system; (2) the discharge consists solely of NCCW (to reduce temperature) and authorized pH adjustment and/or dechlorination 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 1/28/15
 Printed Name and Title James R. Holston, Vice President of Operations.

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.



WATER WELL NO. 8

SIMONDS INTERNATIONAL
METAL FORGING
OPERATIONS

SOURCES

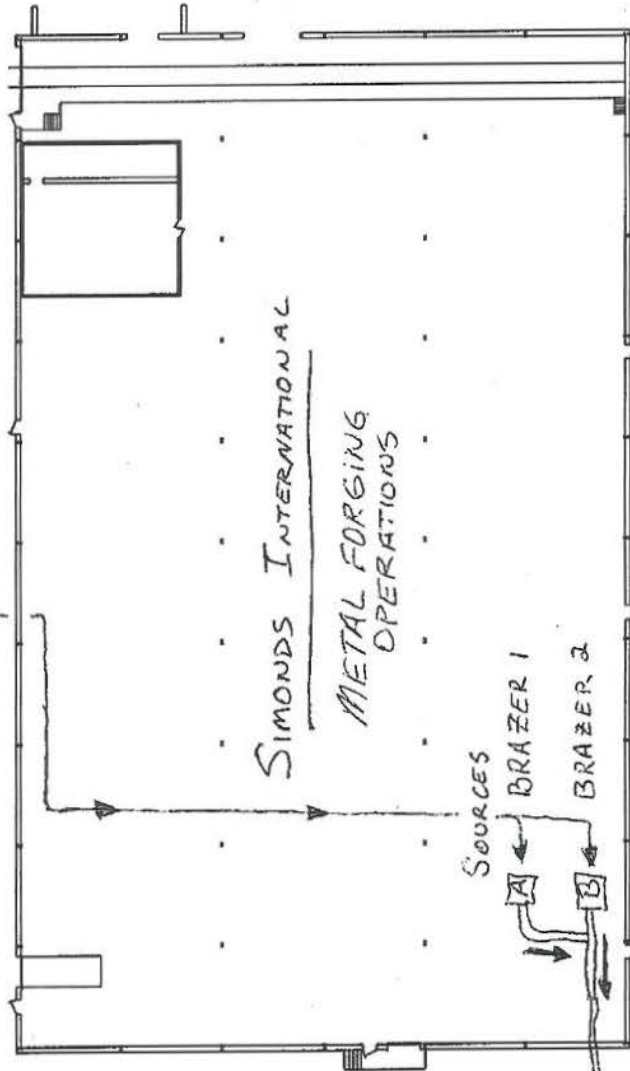
BRAZER 1

BRAZER 2

OUTFALL 3

NASHUA RIVER

FLOW



Change in river temp= $Q_{\text{river}} \times 24 \text{ hrs per day} \times \text{weight of water}$ divided by $7Q10$ of the river which is 6,000,000 gallons per day.

Change in river temp= $5000 \text{ btu/hr} \times 24 \text{ hrs} \times 8.34 / 6000000 \times 8.34 = 0.02$ degrees temperature change.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: Simonds

Sample Description:

Work Order: 14K0966

Date Received: 11/20/2014

Field Sample #: W-1

Sampled: 11/20/2014 11:00

Sample ID: 14K0966-01

Sample Matrix: Waste Water

Metals Analyzes (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	1.0	µg/L	1		EPA 200.8	11/22/14	11/24/14 11:40	KSH
Arsenic	ND	1.0	µg/L	1		EPA 200.8	11/22/14	11/24/14 11:40	KSH
Cadmium	ND	0.20	µg/L	1		EPA 200.8	11/22/14	11/24/14 11:40	KSH
Chromium	ND	10	µg/L	1		EPA 200.8	11/22/14	11/24/14 11:40	KSH
Copper	290	1.0	µg/L	1		EPA 200.8	11/22/14	11/24/14 11:40	KSH
Iron	4.0	0.050	mg/L	1		EPA 200.7	11/22/14	11/25/14 18:14	OP
Lead	43	0.50	µg/L	1		EPA 200.8	11/22/14	11/24/14 11:40	KSH
Mercury	ND	0.00010	mg/L	1		EPA 245.1	11/25/14	11/25/14 12:13	SCB
Nickel	ND	5.0	µg/L	1		EPA 200.8	11/22/14	11/24/14 11:40	KSH
Silver	ND	0.20	µg/L	1		EPA 200.8	11/22/14	11/24/14 11:40	KSH
Zinc	190	20	µg/L	1		EPA 200.8	11/22/14	11/24/14 11:40	KSH

38 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: Simonda

Sample Description:

Work Order: 14K0966

Date Received: 11/20/2014

Field Sample #: W-1

Sampled: 11/20/2014 11:00

Sample ID: 14K0966-01

Sample Matrix: Waste Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
pH @18°C	6.5		pH Units	1	H-05	SM21-22 4500 HB	11/21/14	11/21/14 8:20	LL

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simonds

Sample Description:

Work Order: 14K0966

Date Received: 11/20/2014

Field Sample #: W-2

Sampled: 11/20/2014 11:00

Sample ID: 14K0966-02

Sample Matrix: Waste Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexavalent Chromium	ND	0.0040	mg/L	1	MS-07A	SM21-22 3500 Cr B	11/20/14	11/20/14 21:20	DJM

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simonds

Sample Description:

Work Order: 14K0966

Date Received: 11/20/2014

Field Sample #: W-3

Sampled: 11/20/2014 11:00

Sample ID: 14K0966-03

Sample Matrix: Waste Water

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Chloride	42	1.0	mg/L	1		SM21-22 4500 CL B	11/25/14	11/25/14 16:25	DJM

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Simonds

Sample Description:

Work Order: 14K0966

Date Received: 11/20/2014

Field Sample #: W-4

Sampled: 11/20/2014 11:00

Sample ID: 14K0966-04

Sample Matrix: Wastewater

Metals Analysis (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hardness	38	3.0	mg/L	1		SM21-22 2340B	11/25/14	12/2/14 15:28	KSH

Lab ID
PA: 39-00401 *CV
MA: M-PA153 *CV

**BENCHMARK
ANALYTICS**
A MICROBAC LABORATORY
4777 Saucon Creek Road • Center Valley, PA 18034
(610) 974-8100 • Fax: (610) 974-8104

SEND DATA TO:

Holly L. Folsom
Con-Test Analytical Laboratory
39 Spruce Street, 2nd Floor
East Longmeadow, MA 01028

WO#: 14111486

PO#:

PWS ID#

PHONE: (412) 525-2332
FAX: (412) 525-6405

TEST REPORT

14K0967

Page 1 of 1

SAMPLE: 14K0967-01

Lab ID: 14111486-001

SAMPLED BY: Client

Fraction: 14111486-001A Grab		Sampled: 11/20/14 11:00			Received: 11/25/2014 9:35			By MAK
Test	Result ± Uncertainty	MDA	Qual	Method	MCL	Analysis Start	Analysis End	Analyst *
Gross Alpha	2.65 ± 1.06 pCi/L	2.91		EPA 900.0	15	11/26/14 11:15	12/01/14	MJS-CV
Test	Result		Qual	Method	MCL	Analysis Start	Analysis End	Analyst *
Uranium	< 0.51 µg/L			EPA 200.8	30	12/01/14 11:30	12/01/14	STD-CV
Uranium	< 0.35 pCi/L			Calc		12/01/14 11:30	12/01/14	STD-CV
Fraction: 14111486-001B Grab		Sampled: 11/20/14 11:00			Received: 11/25/2014 9:35			By MAK
Test	Result ± Uncertainty	MDA	Qual	Method	MCL	Analysis Start	Analysis End	Analyst *
Radium-226	0.38 ± 0.09 pCi/L	0.84	U1	EPA 903.0		11/25/14 20:15	12/10/14	MJS-CV
Surr: Carrier Recovery	94 %REC			EPA 903.0		11/25/14 20:15	12/10/14	MJS-CV
Test	Result		Qual	Method	MCL	Analysis Start	Analysis End	Analyst *
Radium, Combined (Ra226 + Ra228)	0.40 pCi/L		U1	Calculation		12/15/14 9:49		DTG-CV
Fraction: 14111486-001C Grab		Sampled: 11/20/14 11:00			Received: 11/25/2014 9:35			By MAK
Test	Result ± Uncertainty	MDA	Qual	Method	MCL	Analysis Start	Analysis End	Analyst *
Radium-228	0.02 ± 0.38 pCi/L	0.78	U1	EPA 904.0		12/04/14 9:30	12/09/14	GSR-CV
Surr: Carrier Recovery	91 %REC			EPA 904.0		12/04/14 9:30	12/09/14	GSR-CV

REMARKS:

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAP standard unless otherwise noted on the Analytical Report.

* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

U1 The uncertainty listed is the counting uncertainty with a standard uncertainty of 1-sigma.

MANAGER

Fiona Adamsky
Fiona Adamsky, Division Manager

DATE:

12/15/14

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-8405 * TEL. 413/525-2332

Project Location: Simonds

Sample Description:

Work Order: 14K0968

Date Received: 11/20/2014

Field Sample #: River

Sampled: 11/20/2014 11:10

Sample ID: 14K0968-01

Sample Matrix: Water

Metals Analyses (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hardness	22	3.0	mg/L	1		SM21-22 2340B	11/25/14	12/2/14 15:28	KSH

River



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 Code: 05E1NE00-2015-SLI-0195

January 07, 2015

Event Code: 05E1NE00-2015-E-00325

Project Name: Simonds International

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: Simonds International

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-0195

Event Code: 05E1NE00-2015-E-00325

Project Type: ** Other **

Project Name: Simonds International

Project Description: Renewal Application for NCCW permit

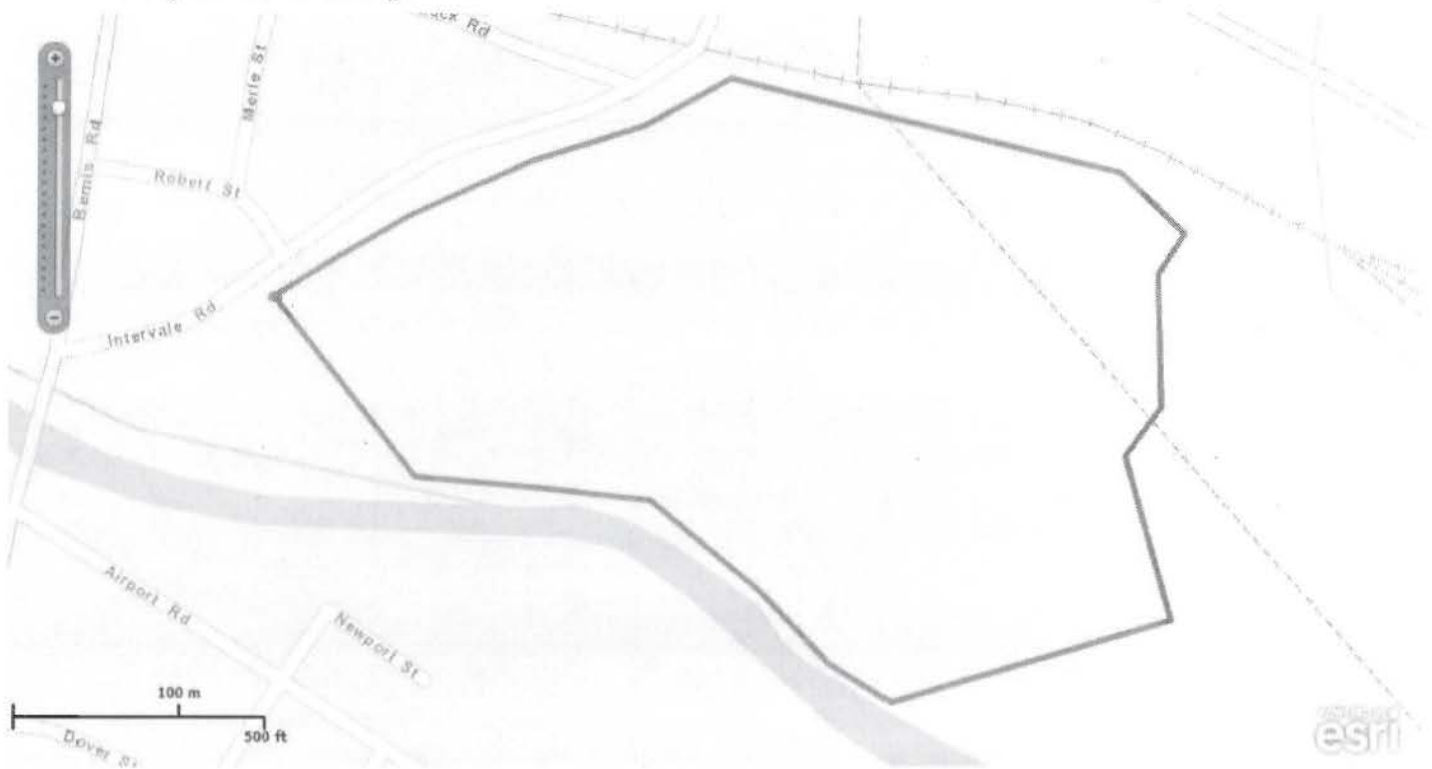
Please Note: The FWS office may have modified the Project Name and/or Project Description, so it may be different from what was submitted in your previous request. If the Consultation Code matches, the FWS considers this to be the same project. Contact the office in the 'Provided by' section of your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



United States Department of Interior
Fish and Wildlife Service

Project name: Simonds International

Project Location Map:



Project Coordinates: MULTIPOLYGON (((-71.7771884 42.5685381, -71.7771899 42.5685395, -71.7771945 42.5685459, -71.7771963 42.5685535, -71.777195 42.5685612, -71.777191 42.5685678, -71.7771846 42.5685724, -71.777177 42.5685742, -71.7771693 42.5685729, -71.7771627 42.5685689, -71.7771496 42.5685567, -71.776734 42.5687462, -71.7767335 42.5687464, -71.7761756 42.5689834, -71.7761741 42.568984, -71.7752729 42.5692843, -71.775271 42.5692848, -71.7744357 42.5694741, -71.7737933 42.5697264, -71.7737825 42.5697275, -71.7709083 42.5692234, -71.7709003 42.56922, -71.7704282 42.5688865, -71.7704225 42.5688804, -71.7704198 42.5688726, -71.7704206 42.5688643, -71.7704247 42.568857, -71.7706125 42.5686426, -71.7705839 42.5679323, -71.7705853 42.5679242, -71.7705898 42.5679173, -71.7708455 42.5676642, -71.7705069 42.5667914, -71.7705055 42.566783, -71.7705079 42.5667747, -71.7705135 42.5667682, -71.7705213 42.5667646, -71.7725813 42.5663221, -71.7725877 42.5663218, -71.7725938 42.5663235, -71.7730444 42.566529, -71.7730483 42.5665313, -71.7735624 42.5669256, -71.7743716 42.5674125, -71.776106 42.5675387, -71.7761125 42.5675403, -71.7761181 42.5675439, -71.7771397



United States Department of Interior
Fish and Wildlife Service

Project name: Simonds International

42.5684929, -71.7771811 42.5685032, -71.7771885 42.5685068, -71.7771938 42.568513, -
71.7771962 42.5685208, -71.7771953 42.5685289, -71.7771912 42.568536, -71.7771884
42.5685381), (-71.7770935 42.5685046, -71.776096 42.567578, -71.7743639 42.567452, -
71.7743551 42.5674492, -71.7735408 42.5669593, -71.7735389 42.5669581, -71.7730257
42.5665645, -71.7725832 42.5663626, -71.7705526 42.5667988, -71.7708875 42.567662, -
71.7708889 42.5676695, -71.7708873 42.5676771, -71.770883 42.5676834, -71.7706242
42.5679395, -71.7706528 42.568649, -71.7706517 42.5686565, -71.7706478 42.568663, -
71.7704694 42.5688667, -71.7709197 42.5691848, -71.7737839 42.5696871, -71.7744225
42.5694363, -71.7744254 42.5694354, -71.7752612 42.569246, -71.7761607 42.5689463, -
71.7767176 42.5687097, -71.7771112 42.5685302, -71.7771012 42.5685229, -71.7770959
42.5685171, -71.7770932 42.5685098, -71.7770935 42.5685046)))

Project Counties: Worcester, MA



United States Department of Interior
Fish and Wildlife Service

Project name: Simonds International

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: Simonds International

Critical habitats that lie within your project area

There are no critical habitats within your project area.