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

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

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

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

III. Suggested Notice of Intent (NOI) Format

A. Facility Information

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

   NHG640000

2. *Facility Data*

   Facility Name Lowell Regional Water Utility

   Street/PO Box 815 Pawtucket Blvd. City Lowell

   State MA Zip Code 01854

   Latitude 42° 38' 26" N Longitude 71° 21' 49" W

   SIC Code(s) 4941

   Type of Business Water Supply

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

   Facility Name _____

   Street/PO Box _____ City _____

   State _____ Zip Code _____

4. *Facility Owner:*
Legal Name City of Lowell
Email sduchesne@lowellma.gov
Street/PO Box 375 Merrimack St. City Lowell
State MA. Zip Code 01852
Contact Person Steven Duchesne Tel # (978) 674-1677
Owner is (check one): Federal _____ State _____ Tribal _____ Private _____
Other (describe) Municipal

5. *Facility Operator (if different from above):*
Legal Name Lowell Regional Water Utility
Email sduchesne@lowellma.gov
Street/PO Box 815 Pawtucket Blvd. City Lowell
State MA. Zip Code 01854
Contact Person Steven Duchesne Tel # (978) 674-1677

6. *Currently (Administratively) Covered Under the Expired PWTF General Permit? (Please check yes or no):*

✓ Yes No

a) Has a prior NPDES permit (either individual or general permit coverage) been granted for the discharge that is listed on the NOI? ✓ Yes No If Yes, Permit Number MAG640055

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

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

1. *Name of receiving water into which discharge will occur:* Merrimack River

Check Appropriate Box: ✓ Freshwater Marine Water

State Water Quality Classification Class B

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

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 3x weekly / 156 x year

***If Other, explain _____

3. Describe the discharge activities for which the owner/applicant is seeking coverage, including process discharges not specifically authorized in the PWTF GP which need to be authorized for discharge (and which attain the effluent limits and other conditions of the general permit.)

(This description should include all treatment methods used on the wastewater prior to discharge including lagoons, baffles, filter presses, etc. If lagoons are used at the facility, please include the number and size of lagoons; the size and elevation of the entry pipe; the time of travel from the entry point of the discharge into the lagoon to the entry point to the receiving waters; and the length of backwash cycle for any combination of filters.)

Sedimentation residuals are directed to 1 of 3 residuals handling lagoons.

The total volume of the 3 lagoons is approx. 5.6 Million gallons (MG). Supernatant overflow from these lagoons discharges to Merrimack River.

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?

5. Identify the source of the water being discharged:

Surface water ✓ Groundwater Other (describe)

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

Outfall # Latitude 42° 38' 49" N Longitude 71° 21' 51" W

Outfall # Latitude _____ Longitude _____

Outfall # Latitude _____ Longitude _____

7. For each outfall, indicate the proposed sampling location(s) for both effluent and ambient water (when applicable) and proposed consistent times of the month for collecting samples:

Outfall # Weekly 4 times per month

Outfall #

Outfall #

C. Effluent Characteristics

1. List here and attach additional information (on separate sheet) on any water additives used at the facility. This includes chemicals (including aluminum, iron, or phosphorus-containing chemicals) for pH adjustment, dechlorination, control of biological growth, and control of corrosion and scale in water pipes.

Polyaluminum Chloride, Sodium hydroxide [Sodium bi-carbonate, zinc-orthophosphate, hydrofluosilicic Acid (post residuals removal)]

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 ✓

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

9. Does the facility remove radium or other radioactive substances from raw water sources to comply with drinking water standards? Yes No ✓ N/A

10. Provide the reported or calculated seven day- ten year low flow (7Q10) of the receiving water 7Q10: 898 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.

11. For *each* outfall, provide the following discharge information:

Outfall # 1

a) *Design Flow of Facility (in million gallons per day, MGD):* 30 MGD
This value will determine the facility's daily maximum flow limit, up to a maximum of 1.0 MGD.

b) *Discharge Flow (in gallons per day, GPD):*
Maximum Daily Flow 991,000 GPD Average Monthly Flow 357,250 GPD

c) *TSS (mg/l)*: Number of samples: 16 (Minimum of 10 samples)

Maximum Daily 46.2 mg/l Average Monthly 34.0 mg/l

d) pH (s.u.) : Number of samples: 16 (Minimum of 10 samples)
Minimum 6.2 s.u. Maximum 6.7 s.u.

e) Total Residual Chlorine (ug/l): Number of samples: 16 (Minimum of 10 samples)
Maximum Daily 1,000 ug/l
NOTE: TRC is only required for discharges which have been previously chlorinated or contain residual chlorine

12. The following section must be completed for any facility that answered "Yes" to Question III.C.3 or III.C.4 (e.g. adds an aluminum-containing chemical to the water being treated and/or discharged) **AND** was not covered under the previous PWTF GP (which expired on 10/2/14).

    a) Collect, analyze and submit **12 effluent samples and 10 ambient surface water samples** from a location upstream of and not affected by the discharge. For facilities in New Hampshire and Massachusetts, each sample should be analyzed for total recoverable Al in micrograms per liter. All laboratory results shall be submitted on a separate sheet.
       - **a.** The samples shall be composite samples consisting of four grab samples taken at approximately equal intervals on a flow weighted basis during the time at which the discharge is entering the receiving water after the start of the backwash cycle.
       - **b.** For each sampling event, the effluent and surface water samples shall be collected on the same day and during a representative discharge event. The samples shall be no more frequent than weekly and, if time allows in completing the NOI, at monthly intervals and at different flow conditions. If taking the ambient water quality sample from lakes/reservoirs, the 10 samples should be composited vertically.
       - **c.** Discharge flow at the time of effluent sampling should be recorded. Flow conditions at the time of ambient water sampling should be recorded (or estimated from nearest gaging station).
       - **d.** Do not include dilution when recording the results.
       - **e.** See Section 2.1.2.3 and Footnote 12 of Section 2.1.1 for MA facilities (or Section 3.1.2.3 and Footnote 10 of 3.1.1 for NH facilities) for key information on minimum level for analysis and sufficiently sensitive test procedures.
       - **f.** Sampling data that was collected within one year of the effective date of this general permit AND that adheres to all of the requirements above may be submitted in lieu of new samples. This must be denoted with the submitted data.

    b) Provide a description of control measures, chemical substitutions, waste handling methods, and operational changes evaluated and/or used by the facility to minimize the discharge of aluminum to surface waters. (Include additional sheet(s), if necessary)

_____

_____

_____

_____

_____

D. Endangered Species Act Eligibility Information

Using the instructions in Appendix III of the PWTF GP, which of the following criteria apply to your facility?

U.S. Fish and Wildlife Service (USFWS) Criteria: A ✓ B C

1. If you selected USFWS criteria B, has consultation with the U.S. Fish and Wildlife Service been completed?

   Yes No

2. If consultation with US Fish & Wildlife Service was completed, was a written concurrence finding that the discharge is "not likely to adversely affect" listed species or critical habitat received?

   Yes No

3. Attach documentation of ESA eligibility for USFWS as required at Part 1.4 and Appendix III of the General Permit. **Documentation attached?** ✓

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?** _____

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?** _____

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

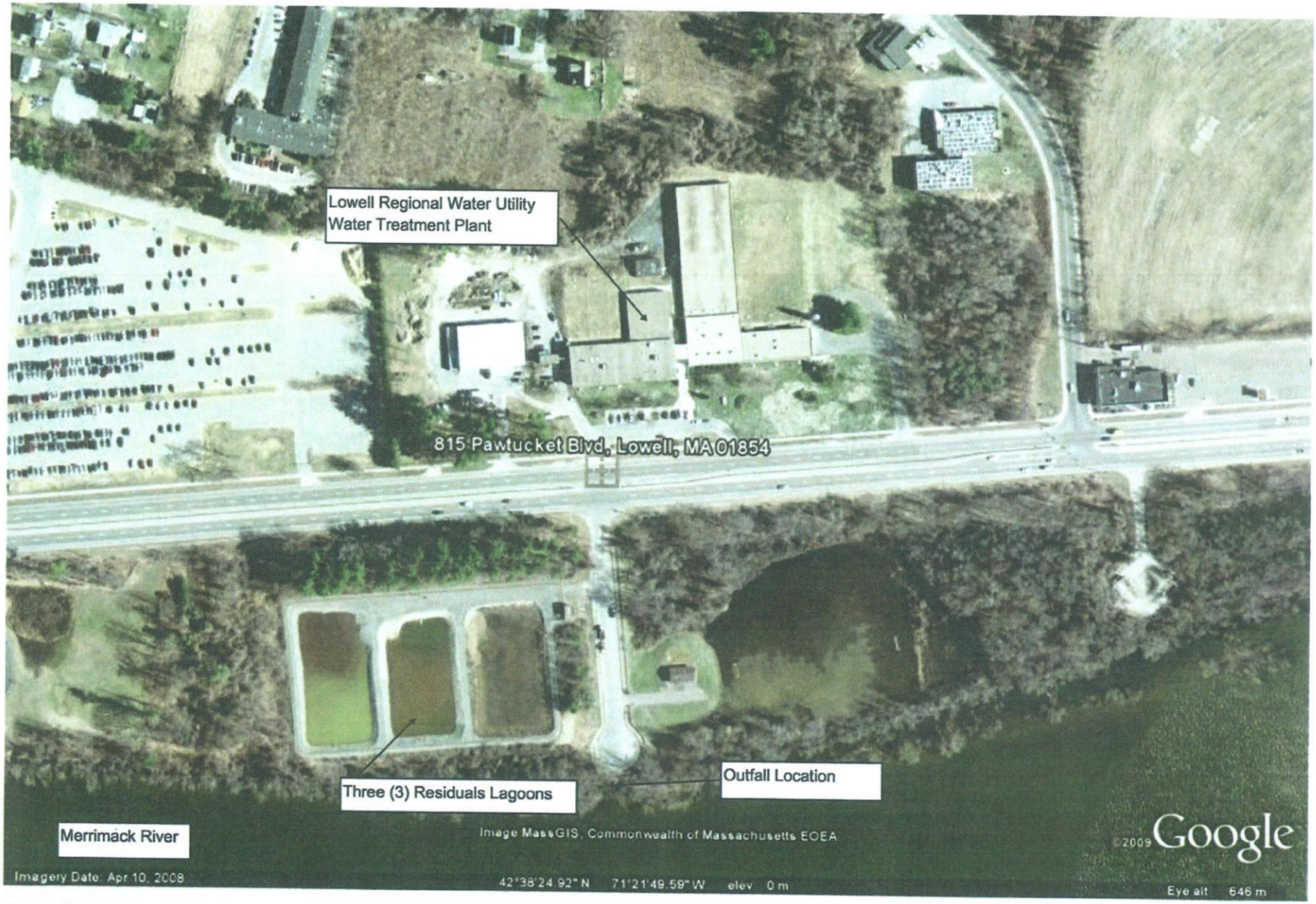
The NOI must be signed by the operator in accordance with the signatory requirements of 40 CFR § 122.22 (see below) including the following certification:

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 Steven J. Duchesne Date 5/19/17

Printed Name and Title Steven J. Duchesne, Operations Supt.



Attachment 1 - Plan of Lowell Regional Water Utility and Residuals Handling Lagoons
815 Pawtucket Blvd, Lowell, MA 01854

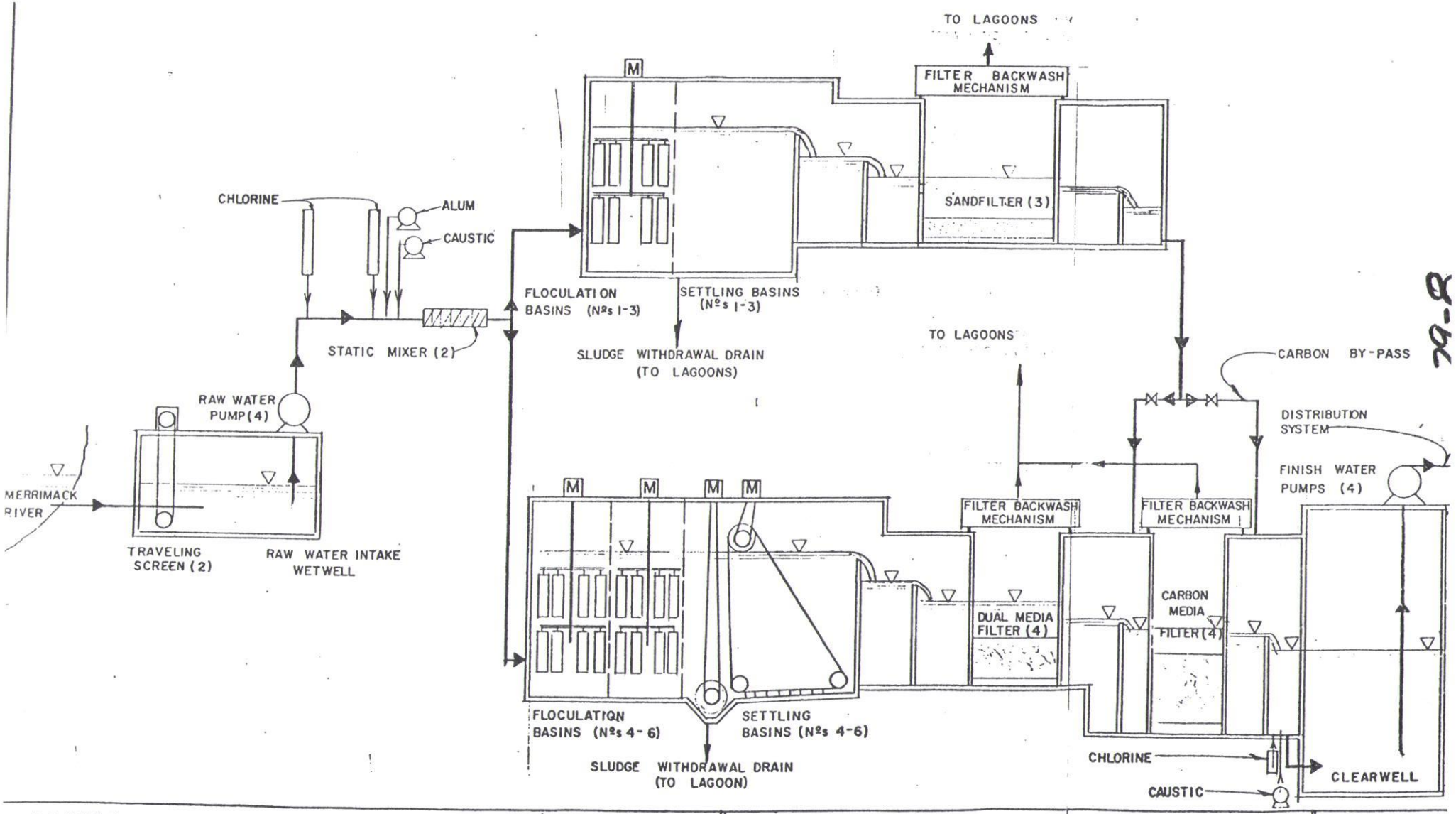
LOWELL REGIONAL WATER UTILITY
LOWELL, MASSACHUSETTS

ATTACHMENT 2
FACILITY PLAN

WOODARD & CURRAN

34 NEW ENGLAND BUSINESS CENTER
ANDOVER, MASSACHUSETTS 01810
978.557.8171 | www.woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS



LOWELL WATER TREATMENT FACILITY | PROCESS SCHEMATIC | PLATE : 1

Attachment 3
Dilution Factor Calculations

$$Dilution\ \ factor = \frac{Q_R + (Q_P \times 1.55)}{Q_P \times 1.55}$$

Q_R = estimated 7Q10 low flow for the receiving water at outfall location (cfs)
Q_P = discharge rate (MGD)
1.55 = factor to convert MGD to cfs

Q_R = 580 MGD (NPDES NCCW Estimated 7Q10 reference attached)

$$580{,}000{,}000\frac{gal}{day} \times \frac{cf}{7.48gal} \times \frac{day}{24hrs} \times \frac{hr}{3600s} = 897.5\ \ cfs$$

Q_P = 0.363 MGD

$$Dilution\ \ factor = \frac{897.5 + (0.363 \times 1.55)}{0.363 \times 1.55} = 1596.13$$

APPENDIX II
ENDANGERED SPECIES ACT: COUNTY SPECIES LIST

The following is the US Fish and Wildlife Service (FWS) listing of federally endangered and threatened species for counties in Massachusetts and New Hampshire. The New Hampshire and Massachusetts lists were updated on 7/31/2008; however, please note that species are listed and de-listed periodically. To get the most current list at the time you are conducting your endangered species assessment, see the FWS Endangered Species Home Page at http://www.fws.gov/northeast/newenglandfieldoffice/EndangeredSpec-Consultation_Project_Review.htm

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN MASSACHUSETTS

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Barnstable	Piping Plover	Threatened	Coastal Beaches	All Towns
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Chatham
	Sandplain gerardia	Endangered	Open areas with sandy soils.	Sandwich and Falmouth.
	Northern Red-bellied cooter	Endangered	Inland Ponds and Rivers	Bourne (north of the Cape Cod Canal)
Berkshire	Bog Turtle	Threatened	Wetlands	Egremont and Sheffield
Bristol	Piping Plover	Threatened	Coastal Beaches	Fairhaven, Dartmouth, Westport
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Fairhaven, New Bedford, Dartmouth, Westport
	Northern Red-bellied cooter	Endangered	Inland Ponds and Rivers	Raynham and Taunton
Dukes	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	All Towns
	Piping Plover	Threatened	Coastal Beaches	All Towns
	Northeastern beach tiger beetle	Threatened	Coastal Beaches	Aquinnah and Chilmark
	Sandplain gerardia	Endangered	Open areas with sandy soils.	West Tisbury
Essex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Gloucester, Essex and Manchester
	Piping Plover	Threatened	Coastal Beaches	Gloucester, Essex, Ipswich, Rowley, Revere, Newbury, Newburyport and Salisbury
Franklin	Northeastern bulrush	Endangered	Wetlands	Montague
	Dwarf wedgemussel	Endangered	Mill River	Whately
Hampshire	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Hadley
	Puritan tiger beetle	Threatened	Sandy beaches along the Connecticut River	Northampton and Hadley
	Dwarf wedgemussel	Endangered	Rivers and Streams.	Hadley, Hatfield, Amherst and Northampton
Hampden	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Southwick
Middlesex	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Groton
Nantucket	Piping Plover	Threatened	Coastal Beaches	Nantucket
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Nantucket
	American burying beetle	Endangered	Upland grassy meadows	Nantucket
Plymouth	Piping Plover	Threatened	Coastal Beaches	Scituate, Marshfield, Duxbury, Plymouth, Wareham and Mattapoisett
	Northern Red-bellied cooter	Endangered	Inland Ponds and Rivers	Kingston, Middleborough, Carver, Plymouth, Bourne, and Wareham
	Roseate Tern	Endangered	Coastal beaches and the Atlantic Ocean	Plymouth, Marion, Wareham, and Mattapoisett.
Suffolk	Piping Plover	Threatened	Coastal Beaches	Winthrop
Worcester	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Leominster

-Eastern cougar and gray wolf are considered extirpated in Massachusetts.
-Endangered gray wolves are not known to be present in Massachusetts, but dispersing individuals from source populations in Canada may occur statewide.
-Critical habitat for the Northern Red-bellied cooter is present in Plymouth County.

7/31/2008

FEDERALLY LISTED ENDANGERED AND THREATENED SPECIES IN NEW HAMPSHIRE

COUNTY	SPECIES	FEDERAL STATUS	GENERAL LOCATION/HABITAT	TOWNS
Belknap	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Meredith, Alton and Laconia
Carroll	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Albany, Eaton, Madison Wolfeboro, Brookfield and Wakefield
Coos	Canada Lynx	Threatened	Regenerating softwood forest, usually with a high density of snowshoe hare.	All Towns
	Dwarf wedgemussel	Endangered	Connecticut River main channel and Johns River	Northumberland, Lancaster and Dalton
Cheshire	Dwarf wedgemussel	Endangered	S. Branch Ashuelot River and Ashuelot River	Swanzey, Keene and Surry
Grafton	Dwarf wedgemussel	Endangered	Connecticut River main channel	Haverhill, Piermont, Orford and Lyme
	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Holderness
Hillsborough	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Weare
Merrimack	Karner Blue Butterfly	Endangered	Pine Barrens with wild blue lupine	Concord and Pembroke
	Small whorled Pogonia	Threatened	Forests	Danbury, Epsom, Warner and Allenstown
Rockingham	Piping Plover	Threatened	Coastal Beaches	Hampton and Seabrook
	Roseate Tern	Endangered	Atlantic Ocean and nesting at the Isle of Shoals	
	Small whorled Pogonia	Threatened	Forests	Northwood, Nottingham, and Epping
Strafford	Small whorled Pogonia	Threatened	Forests with somewhat poorly drained soils and/or a seasonally high water table	Middleton, New Durham, Milton, Farmington, Strafford, Barrington, and Madbury
Sullivan	Northeastern bulrush	Endangered	Wetlands	Acworth, Charlestown, Langdon and Walpole
	Dwarf wedgemussel	Endangered	Connecticut River main channel	Plainfield, Cornish, Claremont and Charlestown
	Jesup's milk-vetch	Endangered	Banks of the Connecticut River	Plainfield and Claremont

-Eastern cougar, gray wolf and Puritan tiger beetle are considered extirpated in New Hampshire.
-Endangered gray wolves are not known to be present in New Hampshire, but dispersing individuals from source populations in Canada may occur statewide.
-There is no federally-designated Critical Habitat in New Hampshire.

7/31/2008

NPDES NCCW ESTIMATED 7Q10
(7/1/2008)

Facility	Permit No.	Receiving Water (Watershed)	7Q10 (MGD)
US Army Soldier Systems Center Natick	MAG250035	South Pond of Lake Cochituate (SuAsCo)	Lake
Ametek Aerospace & Power Instruments, Wilmington	MAG250021	Trib to Ipswich River	0.03
Atlantic Frost Seafoods Fall River	MAG250036	Mount Hope Bay	Marine
Baker Commodities North Billerica	MAG250026	Concord River	23.2
Boott Cotton Mills Museum Lowell	MAG250732	Eastern Canal to Merrimack River	~580
Boott Hydopower, Inc. Eldred F. Field Hydroelectric Project Lowell	MAG250163	Merrimack River	~580
Boott Hydropower, Inc. Hamilton Power Station, Lowell	MAG250949	Hamilton Canal to Merrimack R.	~580
Boott Hydropower, Inc. John Street Power Station Lowell	MAG250950	Merrimack River	~580
Communications & Power Industries - Beverly Microwave Division Beverly	MAG250520	Unnamed Trib to Bass River (North Coastal)	0.01
Concrete Block Insulating Systems, Inc. West Brookfield	MAG250121	Wetlands leading to Quaboag River (Chicopee)	0.11
Crane & Co., Byron Weston Mill Dalton	MAG250956	Housatonic River	3.4
Crane & Co., Pioneer Mill Dalton	MAG250955	Housatonic River	3.4
Doncasters, Inc. - Storms Forge Division, Springfield	MAG250947	Poor Brook to Chicopee River	0.01
Double-A-Plastics Co. Monson	MAG250027	Chicopee Brook (Chicopee)	0.71

Facility	Permit No.	Receiving Water (Watershed)	7Q10 (MGD)
Eastern Point Condos Shrewsbury	MAG250018	Lake Quinsigamond (Blackstone)	Lake
Fall River Tool & Die Fall River	MAG250017	Sucker Brook (Mount Hope Bay)	0.04
Fitel Corp Sturbridge	MAG250003	Hobbs Brook (Quinebaug)	0.08
Flo Chemical Ashburnham	MAG250957	Peppermint Brook (Nashua)	0.06
Fortifiber Corp. Attleboro	MAG250033	Bungay River (Ten Mile)	0.16
Four-in-One Chelmsford	MAG250244	Tributary to River Meadow Brook (SuAsCo)	0.007
Gotham Ink Marlboro	MAG250830	Mowry Brook (SuAsCo)	0.005
Haartz Corporation Acton	MAG250006	Conant Brook (SuAsCo)	0.01
Hampden Papers, Inc. Holyoke	MAG250881	Connecticut River	1150
Harodite Industries, Taunton	MAG250032	Three Mile River (Taunton)	4.54
Harborview Place Plymouth	MAG250020	Plymouth Harbor	Marine
Harrison Specialties Canton	MAG250554	Neponset River (ACEC)	3.31
Haverhill Paperboard Corp. Haverhill	MAG250961	Merrimack River	635
Hazen Paper Hoyoke	MAG250872	Connecticut River	1147
Hercules, Inc. Chicopee	MAG250848	Connecticut River	1222
Hyde Tools Southbridge	MAG250024	Cohasse Brook (Quinebaog)	0.03
IntelliCoat Technologies South Hadley	MAG250968	Buttery Brook (Connecticut)	0.29

Facility	Permit No.	Receiving Water (Watershed)	7Q10 (MGD)
Isomedix Operations, Steris Corp Northboro	MAG250029	Wheeler Pond (SuAsCo)	Lake
Jen-Coat , Inc. Westfield	MAG250856	Westfield River	25
Kiddie-Fenwal, Inc. Ashland	MAG250946	Cold Spring Brook (SuAsCo)	0.23
Lawrence Hydropower Associates Lawrence Hydroelectric Project Lawrence	MAG250948	Merrimack River	604
Lewcott Corporation Millbury	MAG250969	Blackstone River	~63
Mantrose-Haeuser Company, Inc. Attleboro	MAG250958	Ten Mile River	0.9
MBTA Everett Shops Everett		Mystic River	2.8
MGH Institute of Health Professions Charlestown	MAG250019	Boston Harbor	Marine
MWRA Oakdale Power Station West Boylston	MAG250025	Quinapoxet River (Nashua)	3.4
Norfolk & Dedham Mutual Fire Insurance Co., Dedham	MAG250034	Charles River	8.3
Parkview Condominiums Winchester	MAG250009	Aberjona River (Mystic)	0.24
Photofabrication Engineering, Inc. Milford	MAG250033	Quarry (Charles)	Quarry
Polymer Corp. Monson	MAG250376	Chicopee Brook (Chicopee)	0.8
Raytor Compounds (formerly Perstorp Compounds, Inc.) Florence	MAG250960	Mill River (Connecticut)	4.1
Riverdale Mills Northbridge	MAG250279	Blackstone River	29
Saint-Gobain Containers Milford	MAG250911	Charles River	0.05

Facility	Permit No.	Receiving Water (Watershed)	7Q10 (MGD)
Simonds Industries Fitchburg	MAG250022	Nashua	5.8
Sinclair Mfg. Corp., Norton	MAG250030	Chartey Brook (Taunton)	0.08
Steinerfilm, Inc. Williamstown	MAG250037	Hoosic River Broad Brook (Hoosic)	33 0.13
Sun Chemical Mansfield	MAG250244	Hodges Brook to Wading River (Taunton)	0.02
Superior Printing Ink Co., Inc Marlboro	MAG250016	unnamed trib to Sudbury Reservoir (SuAsCo)	0.006
TYCO Valves & Controls Anderson-Greenwood-Crosby Wrentham	MAG250431	Trib to Lake Archer (Charles)	0.002
UMass Boston Boston	MAG250004	Dorchester Bay (Boston Harbor)	Marine
United County Industries Millbury	MAG250014	Blackstone River	~63
Wakefield Corporation Wakefield	MAG250965	Tributary of Mill River to Saugus River (North Coastal)	0.02
The Weetabix Company, Inc. Clinton	MAG250759	South Nashua River	1.71

DMR Copy of Record

Permit

Permit #:	**MAG640055**	**Permittee:**	CITY OF LOWELL - LOWELL REGIONAL WTF	**Facility:**	LOWELL REGIONAL WATER UTILITY
Major:	No	**Permittee Address:**	375 MERRIMACK STREET LOWELL, MA 01854	**Facility Location:**	815 PAWTUCKET BLVD LOWELL, MA 01854
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A** BACKWASH 001		

Report Dates & Status

Monitoring Period:	**From 03/01/17 to 03/31/17**	**DMR Due Date:**	**04/15/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Eliana	**Title:**	Laboratory Director	**Telephone:**	978-674-1678
Last Name:	Morales				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season	# Param.	NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
X 00400	pH	1 - Effluent Gross	0	--	Sample							=	6.3			=	6.6	12 - SU		01/07 - Weekly	GR - GRAB
					Permit Req.							>=	6.5 MINIMUM			<=	8.3 MAXIMUM	12 - SU	1	01/07 - Weekly	GR - GRAB
					Value NODI																
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample							=	23.3			=	46.2	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.							<=	30 MO AVG			<=	50 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI																
01104	Aluminum, total recoverable	1 - Effluent Gross	0	--	Sample											=	231	28 - ug/L		01/30 - Monthly	CP - COMPOS
					Permit Req.												Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	CP - COMPOS
					Value NODI																
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.331	=	0.478	03 - MGD										01/07 - Weekly	TM - TOTALZ
					Permit Req.		Req Mon MO AVG	<=	.7 DAILY MX	03 - MGD										01/07 - Weekly	TM - TOTALZ
					Value NODI																
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							=	0.1			=	0.32	19 - mg/L		01/07 - Weekly	GR - GRAB
					Permit Req.							<=	1 MO AVG			<=	1 DAILY MX	19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI																

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00400	pH	1 - Effluent Gross	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

Name	Type	Size
03-17-MonthlyRecycledWaterReport.pdf	pdf	638916

Report Last Saved By

CITY OF LOWELL - LOWELL REGIONAL WTF

User:	emmorales@lowellma.gov	Date/Time:	2017-04-10 11:35 (Time Zone: -04:00)
Name:	Eliana Morales		
E-Mail:	emmorales@lowellma.gov		

DMR Copy of Record

Permit

Permit #:	**MAG640055**	**Permittee:**	CITY OF LOWELL - LOWELL REGIONAL WTF	**Facility:**	LOWELL REGIONAL WATER UTILITY
Major:	No	**Permittee Address:**	375 MERRIMACK STREET LOWELL, MA 01854	**Facility Location:**	815 PAWTUCKET BLVD LOWELL, MA 01854
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A** BACKWASH 001		

Report Dates & Status

Monitoring Period:	**From 02/01/17 to 02/28/17**	**DMR Due Date:**	**04/15/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Eliana	**Title:**	Laboratory Director	**Telephone:**	978-674-1678
Last Name:	Morales				

No Data Indicator (NODI)

Form NODI: --

Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
X 00400	pH	1 - Effluent Gross	0	--	Sample						=	6.4			=	6.7	12 - SU		01/07 - Weekly	GR - GRAB
					Permit Req.						>=	6.5 MINIMUM			<=	8.3 MAXIMUM	12 - SU	1	01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	17.9			=	43.7	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.						<=	30 MO AVG			<=	50 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
01104	Aluminum, total recoverable	1 - Effluent Gross	0	--	Sample										=	115	28 - ug/L		01/30 - Monthly	CP - COMPOS
					Permit Req.											Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.351	=	0.457	03 - MGD									01/07 - Weekly	TM - TOTALZ
					Permit Req.		Req Mon MO AVG	<=	.7 DAILY MX	03 - MGD									01/07 - Weekly	TM - TOTALZ
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						=	0.75			=	1	19 - mg/L		01/07 - Weekly	GR - GRAB
					Permit Req.						<=	1 MO AVG			<=	1 DAILY MX	19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
00400	pH	1 - Effluent Gross	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

CITY OF LOWELL - LOWELL REGIONAL WTF

User:	emmorales@lowellma.gov	Date/Time:	2017-03-03 14:34 (Time Zone: -05:00)
Name:	Eliana Morales		
E-Mail:	emmorales@lowellma.gov		

DMR Copy of Record

Permit

Permit #:	**MAG640055**	**Permittee:**	CITY OF LOWELL - LOWELL REGIONAL WTF	**Facility:**	LOWELL REGIONAL WATER UTILITY
Major:	No	**Permittee Address:**	375 MERRIMACK STREET LOWELL, MA 01854	**Facility Location:**	815 PAWTUCKET BLVD LOWELL, MA 01854
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A** BACKWASH 001		

Report Dates & Status

Monitoring Period:	**From 01/01/17 to 01/31/17**	**DMR Due Date:**	**04/15/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Eliana	**Title:**	Laboratory Director	**Telephone:**	978-674-1678
Last Name:	Morales				

No Data Indicator (NODI)

Form NODI: --

	Parameter Code	Parameter Name	Monitoring Location	Season #	Param. NODI		Quantity or Loading Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Quality or Concentration Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units	# of Ex.	Frequency of Analysis	Sample Type
X	00400	pH	1 - Effluent Gross	0	--	Sample						=	6.2			=	6.5	12 - SU		01/07 - Weekly	GR - GRAB
						Permit Req.						>=	6.5 MINIMUM			<=	8.3 MAXIMUM	12 - SU	1	01/07 - Weekly	GR - GRAB
						Value NODI															
	00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample						=	14.6			=	21.5	19 - mg/L		01/07 - Weekly	CP - COMPOS
						Permit Req.						<=	30 MO AVG			<=	50 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
						Value NODI															
	01104	Aluminum, total recoverable	1 - Effluent Gross	0	--	Sample										=	167	28 - ug/L		01/30 - Monthly	CP - COMPOS
						Permit Req.											Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	CP - COMPOS
						Value NODI															
X	50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.42	=	0.99	03 - MGD									01/07 - Weekly	TM - TOTALZ
						Permit Req.		Req Mon MO AVG	<=	.7 DAILY MX	03 - MGD								1	01/07 - Weekly	TM - TOTALZ
						Value NODI															
	50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						=	0.4			=	0.7	19 - mg/L		01/07 - Weekly	GR - GRAB
						Permit Req.						<=	1 MO AVG			<=	1 DAILY MX	19 - mg/L		01/07 - Weekly	GR - GRAB
						Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	Quantity or Loading Sample Value 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
00400	pH	1 - Effluent Gross	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

CITY OF LOWELL - LOWELL REGIONAL WTF

User:	emmorales@lowellma.gov	Date/Time:	2017-02-23 14:26 (Time Zone: -05:00)
Name:	Eliana Morales		
E-Mail:	emmorales@lowellma.gov		

DMR Copy of Record

Permit

Permit #:	**MAG640055**	**Permittee:**	CITY OF LOWELL - LOWELL REGIONAL WTF	**Facility:**	LOWELL REGIONAL WATER UTILITY
Major:	No	**Permittee Address:**	375 MERRIMACK STREET LOWELL, MA 01854	**Facility Location:**	815 PAWTUCKET BLVD LOWELL, MA 01854
Permitted Feature:	001 External Outfall	**Discharge:**	**001-A** BACKWASH 001		

Report Dates & Status

Monitoring Period:	**From 12/01/16 to 12/31/16**	**DMR Due Date:**	**01/15/17**	**Status:**	**NetDMR Validated**

Considerations for Form Completion

Principal Executive Officer

First Name:	Eliana	**Title:**	Laboratory Director	**Telephone:**	978-674-1678
Last Name:	Morales				

No Data Indicator (NODI)

Form NODI: --

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration						# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
					Sample						=	6			=	6.5	12 - SU		01/07 - Weekly	GR - GRAB
X 00400	pH	1 - Effluent Gross	0	--	Permit Req.						>=	6.5 MINIMUM			<=	8.3 MAXIMUM	12 - SU	1	01/07 - Weekly	GR - GRAB
					Value NODI															
					Sample						=	15.9			=	21.2	19 - mg/L		01/07 - Weekly	CP - COMPOS
00530	Solids, total suspended	1 - Effluent Gross	0	--	Permit Req.						<=	30 MO AVG			<=	50 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
					Sample										=	135	28 - ug/L		01/30 - Monthly	CP - COMPOS
01104	Aluminum, total recoverable	1 - Effluent Gross	0	--	Permit Req.											Req Mon DAILY MX	28 - ug/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
					Sample	=	0.466	=	0.925	03 - MGD									01/07 - Weekly	TM - TOTALZ
X 50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Permit Req.		Req Mon MO AVG	<=	.7 DAILY MX	03 - MGD								1	01/07 - Weekly	TM - TOTALZ
					Value NODI															
					Sample						=	0.52			=	0.85	19 - mg/L		01/07 - Weekly	GR - GRAB
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Permit Req.						<=	1 MO AVG			<=	1 DAILY MX	19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
00400	pH	1 - Effluent Gross	Quality or Concentration Sample Value 1	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	Quantity or Loading Sample Value 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

Attachments

No attachments.

Report Last Saved By

CITY OF LOWELL - LOWELL REGIONAL WTF

User:	emmorales@lowellma.gov	Date/Time:	2017-01-18 14:25 (Time Zone: -05:00)
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E-Mail:	emmorales@lowellma.gov		