



*Town of Walpole
Commonwealth of Massachusetts*

MAG640019

Town Hall
135 School Street
Walpole, Ma. 02081
Phone (508) 660-7310
Fax (508) 660-7323

Superintendent of Sewer and Water
Richard E. Mattson, Jr.

October 27, 2009

US EPA Region 1
PWTF GP Processing
Municipal Assistance Unit (CMU)
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Attention: Olga Vergara

RE: NPDES GP No. MA G640000

Dear Ms. Vergara,

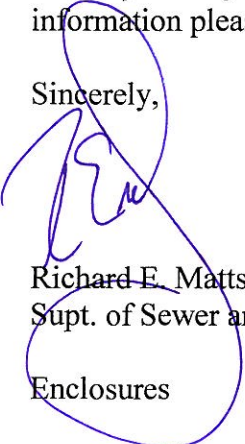
Enclosed you will find the completed notice of intent (NOI) form and other pertinent documents that are being submitted by the Town of Walpole for a PWTF discharge associated with the H.E. Willis Water Treatment Plant.

The discharge from this facility consists entirely of backwash effluent residuals originating from the membrane process groundwater treatment system that is in place and is minimal, being intermittently released to Mine Brook, a designated Class B stream within the Neponset River Watershed.

After conferring with the local Conservation Agent and reviewing the USFW endangered species list as well as the priority and estimated habitat maps it was determined that there are no federally listed threatened or endangered species or designated critical habitats present in the area of the discharge. Additionally a review of a Walpole Historic Properties report dated July 25, 2008 indicates that no historic properties will be affected by the discharge.

Thank you for your attention to this matter and should you have any questions or require further information please contact me at the above number.

Sincerely,


Richard E. Mattson, Jr.
Supt. of Sewer and Water

Enclosures

Cc: MA DEP Kathleen Keohane
MA DEP SERO
File

NOV 3 2009

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND - REGION I
ONE CONGRESS STREET, SUITE 1100
BOSTON, MASSACHUSETTS 02114-2023

NOV - 3 2009

Request for General Permit Authorization to Discharge Wastewater
(Notice of Intent to be covered by the General Permit (NOI))

Potable Water Treatment Facility (PWTF)
NPDES General Permit No. MAG640000 and NHG640000

A. Facility Information

1. Facility Owner:

Name TOWN OF WALPOLE e-mail mboynton@walpole-ma.gov
Street/PO Box 135 SCHOOL ST City WALPOLE
State MA Zip Code 02081
Contact Person Michael Boynton Telephone Number (508) 660-7289

2. Facility Operator (if different from above):

Name TOWN OF WALPOLE WATER DEPARTMENT e-mail (optional) sgustafson@walpole-ma.gov
Street/PO Box 135 SCHOOL ST City WALPOLE
State MA Zip Code 02081
Contact Person SCOTT GUSTAFSON Telephone Number (508) 660-7308

3. Facility Data (attach topographic map or other map showing facility/discharge location):

Name H.E.WILLIS WTP e-mail (optional) N/A
Street/PO Box 9 LEONARD RD City WALPOLE
State MA Zip Code 02081
Contact Person SCOTT GUSTAFSON Telephone Number (508) 660-7345
Latitude 42-9.16.4 Longitude 71.16.7.7

4. Standard Industrial Classification (SIC Codes) and Descriptions of Processes:

SIC Code(s)
Description(s) WATER TREATMENT PLANT BACKWASH RESIDUALS

5. Current Permitting Status (please check yes or no):

1. Has a prior NPDES permit been granted for the discharge? Yes ☒ (Permit Number: MAG 40019)
No ☐
2. Is the discharge a "new discharge" as defined by 40 CFR Section 122.22? Yes ☐ No ☒
3. Is the facility covered by an individual NPDES permit? Yes ☐ (Permit Number) No ☒
4. Is there a pending application on file with EPA for this discharge? Yes ☐ (Date of submittal:) No ☒

B. Discharge Information

1. Name of Receiving Waterbody MINE BROOK / NEPONSET RIVER WATERSHED
2. Type of Receiving Waterbody (e.g. stream, lake, reservoir, estuary etc) STREAM/ WETLAND
3. State Water Quality Classification: B Freshwater: XX Marine Water:
4. 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 water; and the length of backwash cycle for any combination of number of filters. (attach extra sheets if necessary):

THE DISCHARGE FROM THIS FACILITY CONSISTS ENTIRELY OF BACKWASH EFFLUENT AND IS INFREQUENT AND AT MOST TIMES IS NONEXISTENT. THE VAST MAJORITY IF NOT ALL OF THE DISCHARGE IS DETAINED IN EACH OF THE TWO ON SITE LAGOONS WHICH ARE PERIODICALLY CLEANED UNDER A CONTRACT WITH SYNAGRO NORTHEAST.

* SEE ATTACHMENT A FOR ADDITIONAL INFORMATION

5. Please provide a diagram depicting the treatment methods, outfalls, and receiving water.

6. Number of outfalls: 2

For each outfall:

7. What is the proposed sampling location(s) and proposed consistent times of the month for collecting samples:
DURING DISCHARGE SAMPLES WOULD BE COLLECTED FROM THE WEIR OF THE ACTIVE LAGGON

C. Effluent Characteristics

1. List here and attach information on any water additives used at the facility (Including chemicals for pH adjustment, dechlorination, control of biological growth, and control of corrosion and scale in water pipes):
* SEE ATTACHMENT B

2. Please report here any known remediation activities or water-quality issues in the vicinity of the discharge.
NA

3. Are aluminum-containing coagulants used at this facility? Yes ☒ No ☐

4. Does the discharge contain residual chlorine? Yes ☐ No ☒

5. Does the facility provide treatment to remove arsenic from the raw water source? Yes ☐ No ☒

6. Are phosphorus-containing chemicals added to the treated water at this facility? Yes ☐ No ☒

7. All applicants must attach a separate sheet listing all laboratory results (minimum of five) for total recoverable aluminum (in micrograms per liter) taken within the last six months. Do not include dilution when recording your results. See Section 4.4.5 of General Permit for more information.

8. Please include the following effluent data for each outfall:

Characteristic (report if measured)	Average Monthly	Maximum Daily
Discharge Flow (gpd)	.024 MGD (TO LAGOONS)	.024 MGD (TO LAGOONS)
TSS (mg/l)	SEE ATTACHMENT C	SEE ATTACHMENT C
pH (s.u.)	(min) SEE ATTACH C	(max) SEE ATTACH C
Total Recoverable Aluminum (ug/l)	SEE ATTACHMENT C	SEE ATTACHMENT C
Total Residual Chlorine (ug/l)	NA	NA

(continued on next page)

8. Continued

Characteristic (report if measured)

Whole Effluent Toxicity (%) LC50 NA and/or C-NOEC NA

9. If the discharge contains aluminum and/or residual chlorine, please provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water, the dilution factor, and attach any calculations used to support stream flow and dilution calculations (See Appendix VII for dilution calculations and additional information):

7Q10 NA cfs Dilution Factor NA cfs

D. Endangered Species Act Eligibility

1. Using the instructions in Appendix I of the PWTF GP, under which criterion listed in Part II are you eligible for coverage under this general permit?

A ☒ B ☐ C ☐ D ☐ E ☐ F ☐

2. If you selected criteria D or F, has consultation with the federal services been completed? Yes ☐ No ☒

3. If consultation with U.S. Fish and 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 ☐

4. Attach documentation of ESA eligibility as described below and required at Part 3.4.1 and Appendix I, Part III, Step 4, of the General Permit.

Criterion A - No federally-listed threatened or endangered species or federally-designated critical habitat are present: A copy of the most current county species list pages for the county(ies) where your site or facility and discharges are located. You must also include a statement on how you determined that no listed species or critical habitat are in proximity to your site or facility or discharge locations.

Criterion B - Section 7 consultation completed with the Service(s) on a prior project: A copy of the USFWS's and/or NMFS's, as appropriate, biological opinion or concurrence on a finding of "unlikely to adversely effect" regarding the ESA Section 7 consultation.

Criterion C - Activities are covered by a Section 10 Permit: A copy of the USFWS's and/or the NMFS's, as appropriate, letter transmitting the ESA Section 10 authorization.

Criterion D - Concurrence from the Service(s) that the discharge is "not likely to adversely affect" federally-listed species or federally-designated critical habitat (not including the four species of concern identified in Section I of Appendix I): A copy of the USFWS's and/or the NMFS's, as appropriate, letter or memorandum concluding that the discharge is consistent with the general permit's "not likely to adversely affect" determination.

Criterion E - Activities are covered by certification of eligibility: A copy of the documents originally used by the other operator of your site or facility (or area including your site) to satisfy the documentation requirement of Criteria A, B, C or D.

Criterion F - Concurrence from the Service(s) that the discharge is "not likely to adversely affect" species of concern, as identified in Section I of Appendix I: A copy of the USFWS and/or the NMFS, as appropriate, concurrence with the applicant's determination that the discharge is "not likely to adversely affect" listed species.

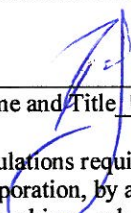
E. National Historic Properties Act Eligibility

1. Using the instructions in Appendix III of the PWTf GP, under which criterion listed in Part III are you eligible for coverage under this general permit? 1 ☒ 2 ☐ 3 ☐

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).

F. Certification

I certify that 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. 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 gather and evaluate the information submitted. Based on 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 am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature  Date 11/27/09
Printed Name and Title RE MATTSON JR. SUPERINTENDENT OF SEWER AND WATER

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 partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
3. For a municipality, State, Federal or other public facility, by either a principal executive officer or ranking elected official.

Note: Permits No. MAG640000 and NHG640000 may be found at www.epa.gov/region1/npdes/pwtfgp.html

FACILITY INFORMATION

Harold E. Willis Water Treatment Plant
Leonard Road
Walpole, MA 02081
Telephone: (508) 660-7345 Contact: R.E. Mattson, Jr., Superintendent

Facility Owner:

Town of Walpole
135 School Street
Walpole, MA 02081
Telephone: (508) 660-7289 Contact: Michael Boynton, Town Administrator

Facility Operator:

Town of Walpole Sewer and Water Department Primary: Scott Gustafson
135 School Street
Walpole, MA 02081
Telephone (508) 660-7308

WATER TREATMENT PROCESS CHEMICALS USED AT FACILITY

Potassium Permanganate KMnO_4	Oxidation
Potassium Hydroxide 45% KOH	pH Adjustment
Hydrofluorosilicic Acid H_2SiF_6	Fluoridation
Sodium Hypochlorite 12% NaOCl	Disinfection
Polyaluminum Chloride PACL	Coagulation
Ammonium Sulfate	Disinfection

MEMBRANE CLEANING PROCESS

Citric Acid (pH adjusted prior to discharge with KOH)
Sodium Bisulfite (Neutralize CL after CL cleaning of membranes)

H.E. Willis WTP Discharge to Lagoons Process Description

Raw water from the eight Mine Brook Wells enters the water treatment plant and receives a dosage of 50% Sodium Hydroxide to raise the pH, as an aid to oxidation of iron and manganese. The water is aerated to oxidize iron and drive off volatiles, raising the pH at this point is approximately 7.8 units. The water enters the rapid mix tank, where Potassium Permanganate is added to oxidize the manganese, as well as Poly-Aluminum Chloride for enhanced coagulation. There is no further chemical addition at this point that impacts the discharge to the lagoons.

From the rapid mix tank the water goes through flocculation tanks and then the three membrane tanks, where filtration occurs. Five percent of the water entering the membrane tanks is rejected to a residual holding tank. The detention time of the residuals tanks allows solids to settle out for removal as the water travels across the tanks to the recycle tank. The solids that accumulate in this tank are pumped out through a metered 4" discharge line to the lagoons; this pumping stage is operator initiated.

Every 24 hours of operation, each membrane tank undergoes a tank de-concentration. The membrane tank is emptied to the lagoon through a 12" discharge pipe, the volume of each de-concentration being 11,000 gallons and measured by tank level. There are no other discharges to the lagoons.

Each of the discharge pipes at the lagoon entrance is pointed at a jersey barrier for baffling. The two lagoons are roughly 56' in diameter and 6' deep, for a volume of approximately 100,000 gallons each. The volume of the lagoons is such that the water rarely overflows the weir that leads to a 12" discharge pipe; this pipe is the discharge outlet point for each lagoon.

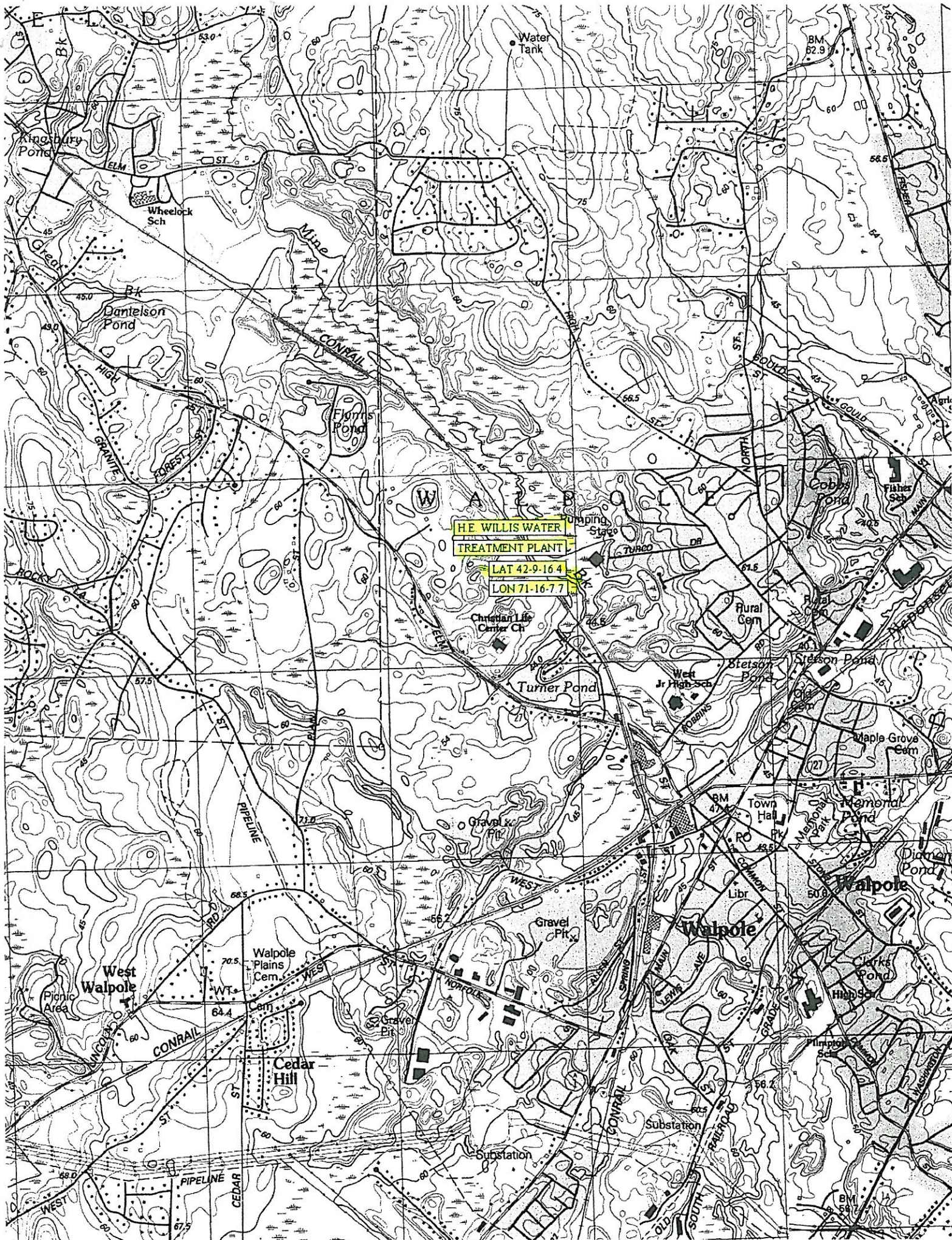
Lagoon Analysis
June 2004 to Present

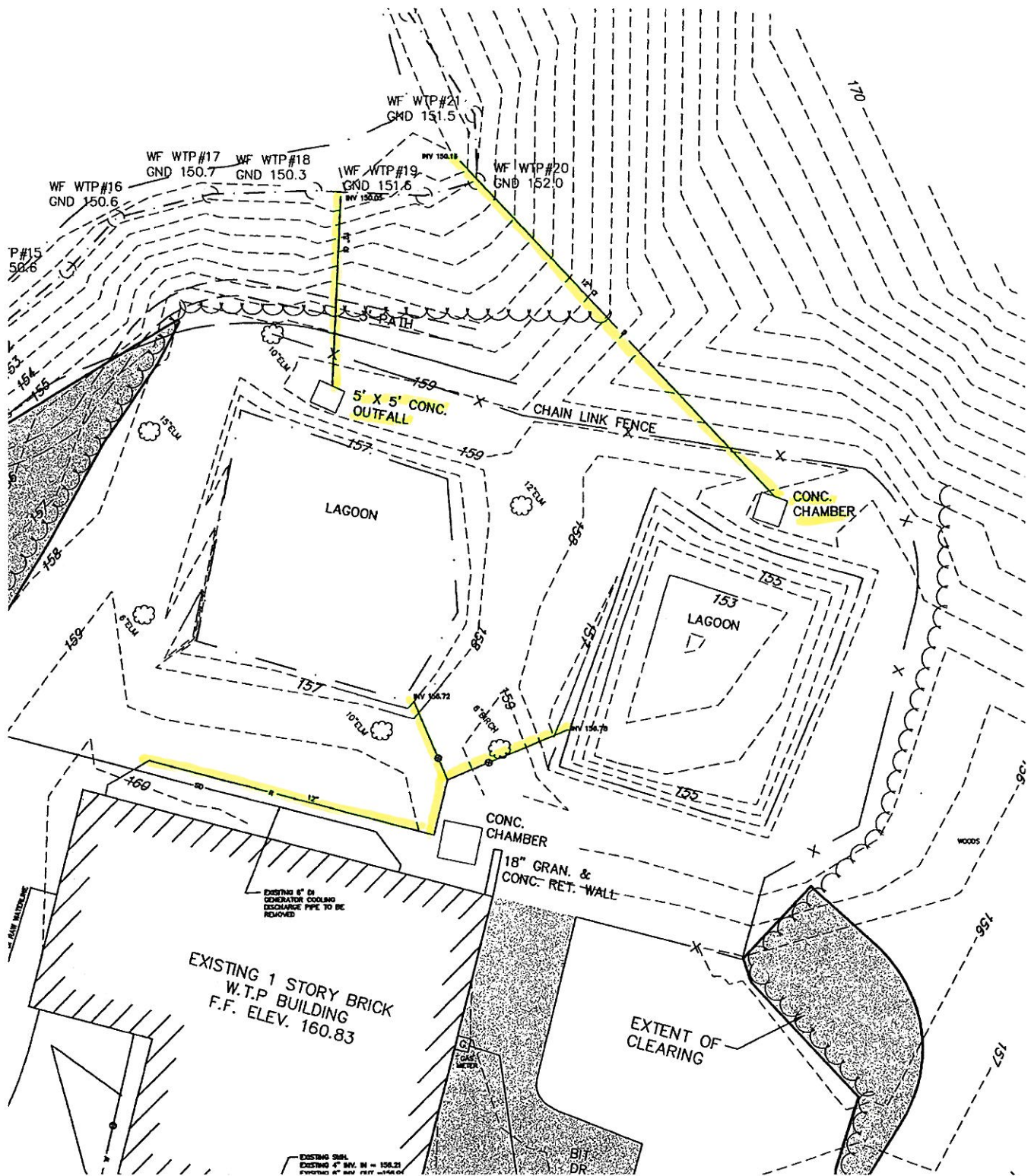
pH	
Min	Max
7.55	7.82
7.50	8.15
7.40	7.83
7.66	7.70
7.47	7.47
7.50	7.50
7.28	7.94
7.78	7.98
7.41	8.05
7.53	7.17

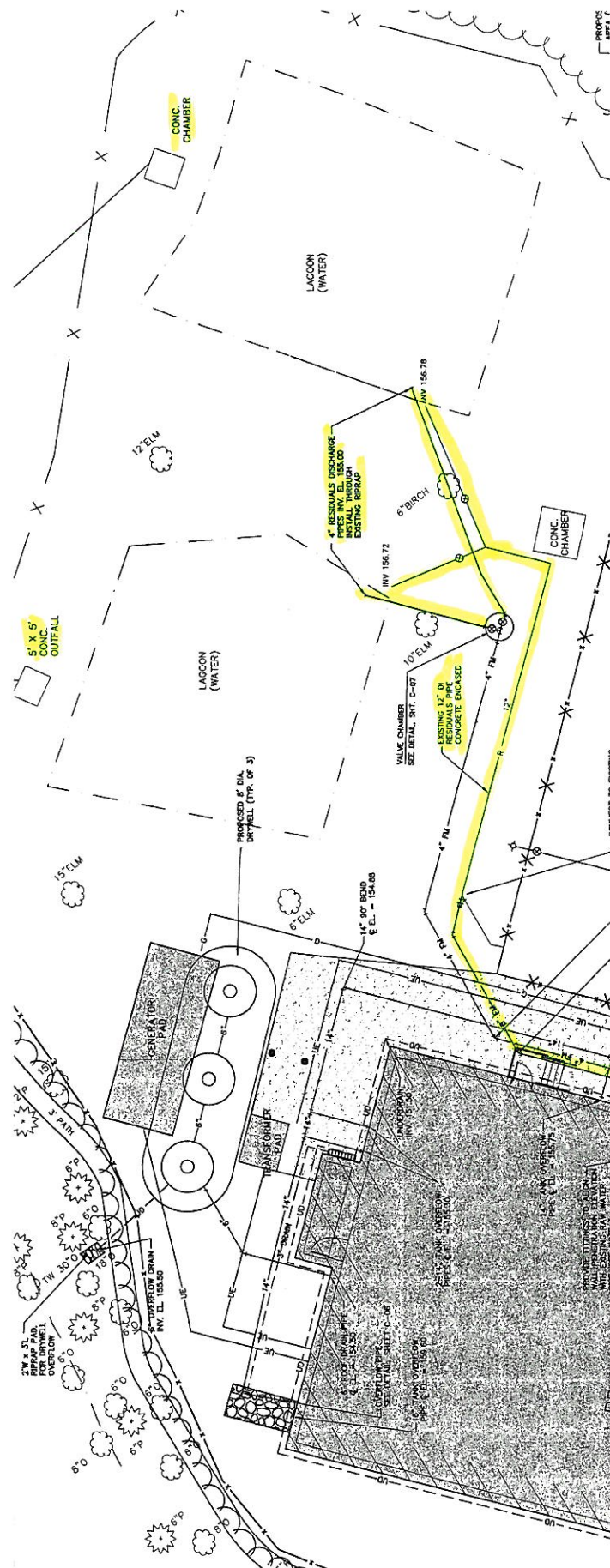
Aluminum
.24
.23
.26
.20
..29
.60
.02

TSS	
AVG	Max
4	6
10.75	13
11.3	18
11	14
8	8
12.2	18
11	14
57	75
95	265
	148*

Overflow weir boards adjusted to prevent discharge.









United States Department of the Interior



FISH AND WILDLIFE SERVICE
New England Field Office
70 Commercial Street, Suite 300
Concord, New Hampshire 03301-5087
<http://www.fws.gov/northeast/newenglandfieldoffice>

January 2, 2009

To Whom It May Concern:

This project was reviewed for the presence of federally-listed or proposed, threatened or endangered species or critical habitat per instructions provided on the U.S. Fish and Wildlife Service's New England Field Office website:

(<http://www.fws.gov/northeast/newenglandfieldoffice/EndangeredSpec-Consultation.htm>)

Based on the information currently available, no federally-listed or proposed, threatened or endangered species or critical habitat under the jurisdiction of the U.S. Fish and Wildlife Service (Service) are known to occur in the project area(s). Preparation of a Biological Assessment or further consultation with us under Section 7 of the Endangered Species Act is not required.

This concludes the review of listed species and critical habitat in the project location(s) and environs referenced above. No further Endangered Species Act coordination of this type is necessary for a period of one year from the date of this letter, unless additional information on listed or proposed species becomes available.

Thank you for your cooperation. Please contact Mr. Anthony Tur at 603-223-2541 if we can be of further assistance.

Sincerely yours,

Thomas R. Chapman
Supervisor
New England Field Office

The Official Website of the Department of Fish and Game (DFG)

Department of Fish and Game

Commissioner Mary B. Griffin

[DFG Home](#) [Mass Gov Home](#) [State Agencies](#) [State Online Services](#)



MassWildlife

Massachusetts Division of Fisheries & Wildlife

Wayne F. MacCallum, Director



[Home](#) [Recreation](#) [Wildlife](#) [Fisheries](#) [Natural Heritage](#) [Habitat](#) [Education](#)

Search MassWildlife



Rare Species by Town

MESA (Massachusetts Endangered Species Act) and Federal Status

Quick Links

- » [Town Index](#)
- » [MESA List](#)
- » [Contact Us](#)

E = Endangered T = Threatened SC = Special Concern

Most Recent Observation

This field represents the most recent observation of that species in a town. However, because they are rare, many MESA-listed species are difficult to detect even when they are present. Natural Heritage does not have the resources to be able to conduct methodical species surveys in each town on a regular basis. Therefore, the fact that the 'Most Recent Observation' recorded for a species may be several years old should not be interpreted as meaning that the species no longer occurs in a town. However, Natural Heritage regards records older than twenty-five years historic.

Click on a town below to view MESA-listed species for that town. To print the species for a particular town, highlight the species using your mouse, go to Print under the File Menu, click on 'Selection' under 'Print Range' and click OK.

For more information about a particular species, view the list of [Natural Heritage Fact Sheets](#).

These data were extracted from the database of the Natural Heritage and Endangered Species Program in September 2008.

[Wakefield](#) | [Wales](#) | [Walpole](#) | [Waltham](#) | [Ware](#) | [Wareham](#) | [Warren](#) | [Warwick](#) | [Washington](#) | [Wayland](#) | [Webster](#) | [Wellesley](#) | [Wellfleet](#) | [Wendell](#) | [Wenham](#) | [West Boylston](#) | [West Bridgewater](#) | [West Brookfield](#) | [West Newbury](#) | [West Springfield](#) | [West Stockbridge](#) | [West Tisbury](#) | [Westborough](#) | [Westfield](#) | [Westford](#) | [Westhampton](#) | [Westminster](#) | [Weston](#) | [Westport](#) | [Westwood](#) | [Weymouth](#) | [Whately](#) | [Whitman](#) | [Wilbraham](#) | [Williamsburg](#) | [Williamstown](#) | [Wilmington](#) | [Winchendon](#) | [Winchester](#) | [Windsor](#) | [Winthrop](#) | [Woburn](#) | [Worcester](#) | [Worthington](#) | [Wrentham](#)

Town	Taxonomic Group	Scientific Name	Common Name	MESA Status	Federal Status	Most Recent Observation
WAKEFIELD	Amphibian	Ambystoma laterale	Blue-spotted Salamander	SC		1989
WAKEFIELD	Amphibian	Ambystoma opacum	Marbled Salamander	T		1974
WAKEFIELD	Beetle	Cicindela rufiventris hentzii	Hentz's Redbelly Tiger Beetle	T		1909
WAKEFIELD	Bird	Gallinula chloropus	Common Moorhen	SC		1990

WAKEFIELD	Vascular Plant	Eriophorum gracile	Slender Cottongrass	T		1913
WAKEFIELD	Vascular Plant	Houstonia longifolia	Long-leaved Bluet	E		1915
Town	Taxonomic Group	Scientific Name	Common Name	MESA Status	Federal Status	Most Recent Observation
WALES	Amphibian	Ambystoma laterale	Blue-spotted Salamander	SC		2000
WALES	Amphibian	Ambystoma opacum	Marbled Salamander	T		2000
WALES	Reptile	Glyptemys insculpta	Wood Turtle	SC		2001
WALES	Reptile	Terrapene carolina	Eastern Box Turtle	SC		1999
WALES	Vascular Plant	Veronicastrum virginicum	Culver's-root	T		1941
Town	Taxonomic Group	Scientific Name	Common Name	MESA Status	Federal Status	Most Recent Observation
WALPOLE	Amphibian	Ambystoma laterale	Blue-spotted Salamander	SC		1992
WALPOLE	Butterfly/Moth	Callophrys hesseli	Hessel's Hairstreak	SC		1987
WALPOLE	Vascular Plant	Ophioglossum pusillum	Adder's-tongue Fern	T		1908
WALPOLE	Vascular Plant	Rhododendron maximum	Great Laurel	T		1908
Town	Taxonomic Group	Scientific Name	Common Name	MESA Status	Federal Status	Most Recent Observation
WALTHAM	Amphibian	Ambystoma opacum	Marbled Salamander	T		1800
WALTHAM	Beetle	Cicindela rufiventris hentzii	Hentz's Redbelly Tiger Beetle	T		1892
WALTHAM	Beetle	Cicindela purpurea	Purple Tiger Beetle	SC		1897
WALTHAM	Bird	Circus cyaneus	Northern Harrier	T		1879
WALTHAM	Bird	Vermivora chrysoptera	Golden-winged Warbler	E		1906
WALTHAM	Crustacean	Eubbranchipus intricatus	Intricate Fairy Shrimp	SC		1904
WALTHAM	Dragonfly/Damselfly	Neurocordulia obsoleta	Umber Shadowdragon	SC		1997
WALTHAM	Vascular Plant	Asclepias verticillata	Linear-leaved Milkweed	T		2004
WALTHAM	Vascular Plant	Houstonia longifolia	Long-leaved Bluet	E		1910
WALTHAM	Vascular Plant	Linum medium var. texanum	Rigid Flax	T		1908
WALTHAM	Vascular Plant	Ludwigia sphaerocarpa	Round-fruited False-loosestrife	E		1881
WALTHAM	Vascular Plant	Oxalis violacea	Violet Wood-sorrel	E		1883
WALTHAM	Vascular Plant	Platanthera flava var. herbiola	Pale Green Orchis	T		1886

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	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, Wareham, Halifax, and Pembroke
	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.

Revised 06/22/2009



Massachusetts Department of Environmental Protection
Bureau of Resource Protection – Watershed Permitting Program

BRP WM 13

Request for General Permit Coverage Surface Water Discharge from a Water Treatment Facility

Transmittal Number _____

Date Received _____

A. Facility Information

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Project owner:

Town of Walpole

Name

135 School St.

Street/PO Box:

MA

State

Michael Boynton

Contact Person

Walpole

City

02081

Zip Code

(508) 660-7289

Telephone Number

2. Project operator (if different from above):

Town of Walpole Water Department

Name

135 School St.

Street/PO Box

MA

State

Scott Gustafson

Contact Person

Walpole

City

02081

Zip Code

(508) 660-7345

Telephone Number

3. Facility Data (attach topographic map or other map showing facility location):

Harold E. Willis Water Treatment Plant

Name

9 Leonard Rd.

Street/PO Box

Walpole

City

MA

State

02081

Zip

Email address (optional)

6607308

Telephone Number

R.E. Mattson, Jr.

Contact Person

4. Standard Industrial Codes (SIC) and Descriptions:

Standard Industrial Code

Water Treatment Plant Backwash Residuals

Description



BRP WM 13

Request for General Permit Coverage Surface Water Discharge from a Water Treatment Facility

Transmittal Number _____

Date Received _____

B. Effluent Characteristics

(Refer to general permit in Federal Register Volume 65, Number 221, November 15, 2000, page 69000-69013)

	Average Monthly	Maximum Daily
Flow, gpd [< 1 MGD]	<u>.055 mgd</u>	<u>.182 mg</u>
TSS	<u>8.2 mg/l</u>	<u>13 mg/l</u>
[avg. monthly use must be < 30 mg/l; max. daily < 50 mg/l]		
Settleable Solids	<u>N/A</u>	<u>N/A</u>
[avg. monthly must be < 0.1 mg/l; max. daily < 0.2 mg/l]		
pH (freshwater 6.5-8.3, saltwater 6.5-8.5)	<u>7.52</u>	<u>8.15</u>
Aluminum [report mg/l]	<u>.24 mg/l</u>	<u>.29 mg/l</u>
LC-50 & C-NOEC	<u>N/A</u>	<u>N/A</u>
[if tests previously conducted]		
Chlorine residual	<u>N/A</u>	<u>N/A</u>
[report mg/l if chlorination used in process]		

Receiving waterbody:
Mine Brook

C. Certification

I certify that the discharge for which I am seeking coverage under the general permit consists solely of a surface water discharge from a water treatment facility. 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 gather and evaluate the information submitted. Based on inquiry of the persons or persons directly responsible for gathering the information, I certify that the information 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

R.E. Mattson, Jr., Supt of Sewer and Water
Printed Name and Title

September 8, 2005
Date