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

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

WOV 17 2009

A. Facility Information
Name Newbury port Water Works e-mail prollage City of newbury port, com Street/PO Box City Hall, Plea sant ST City Newbury part State MA Zip Code 01950 Contact Person Paul College Telephone Number 978-465-4466
2. Facility Operator (if different from above): Name
Street/PO Box 7 Spring Lane City Newburgant State Zip Code 01950 Contact Person foul Colby Telephone Number 978-465-4466 Latitude 42 deg 49 Min 48 Sec Longitude 70 deg 59 Min 20 Sec
4. Standard Industrial Classification (SIC Codes) and Descriptions of Processes: SIC Code(s) Description(s) Convention Water Treatment Pland backwas & water discharge
5. Current Permitting Status (please check yes or no): 1. Has a prior NPDES permit been granted for the discharge? YesX (Permit Number:
B. Discharge Information
1. Name of Receiving Waterbody Merrinack River
2. Type of Receiving Waterbody (e.g. stream, lake, reservoir, estuary etc)
3. State Water Quality Classification:Freshwater: 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

used on the wastewater prior to disch facility, please include the number ar from the entry point of the discharge backwash cycle for any combination Convention of water discharged into a Clanified effluent for Ruen. WTP backu	arge including lagoons, band size of lagoons; the size into the lagoon to the entrof number of filters. (attantone of lagoon gallom lagoons as hes one files one for a mande	ant backwash war n lagoons run in serie s discharged to Merr ter per day, a 20 mi too to 111,000 yallons o here pine size change	ed at the e of travel ength of en 15
5. Please provide a diagram depicting	the treatment methods, ou	tfalls, and receiving water.	
6. Number of outfalls:			
For each outfall:			
Samples are collecte	d at dscharg	istent times of the month for collecting s ROTOUT Fall pipe at weekly or Monday	headual
C. Effluent Characteristics	Ü	0	
dechlorination, control of biological grov	wth, and control of corrosion M Sulfate, phase	ncility (Including chemicals for pH adjustmer and scale in water pipes): Sodwa hypohoricacid 252, Sodwa Proquality issues in the vicinity of the disch	pochloriic Tuanide
3. Are aluminum-containing coagulan	ts used at this facility? Ye	s_ <u>X_</u> No	
4. Does the discharge contain residual	chlorine? YesNo_&	_	
5. Does the facility provide treatment	to remove arsenic from the	e raw water source? Yes NoX	
6. Are phosphorus-containing chemical	als added to the treated wa	ter at this facility? Yes 🗶 No	
	taken within the last six m	y results (minimum of five) for total reconstruction on the contraction on the contraction of the contraction.	
8. Please include the following effluen	t data for each outfall:		
Characteristic (report if measured)	Average Monthly	Maximum Daily	
Discharge Flow (gpd)	0,111 mgd	0,226 mgd	
TSS (mg/l)			
pH (s.u.)	(min) 6,0	(max) <u>8,0</u>	
Total Recoverable Aluminum (ug/l)	100	200	
Total Residual Chlorine (ug/l)	O	O	
(continued on next page)			

8. Continued				
Characteristic (report if measured)			
Whole Effluent	Toxicity (%)	LC50	and/or	C-NOEC
ten year low	flow (7Q10) of the	receiving water, the	dilution factor, a	provide the reported or calculated seven day- and attach any calculations used to support calculations and additional information):
7Q10	158 cfs	Dilution Factor	or 930	cfs
D. Endange	red Species Act	Eligibility		
	for this general per			criterion listed in Part II are you eligible for E F_X_
2. If you selec	ted criteria D or F, l	nas consultation with	the federal serv	rices been completed? YesNo
3. If consultati	ion with U.S. Fish a finding that the disc	nd Wildlife Service :	and/or NOAA F	isheries Service was completed, was a written ect" listed species or critical habitat received?
	nmentation of ESA of General Permit.	eligibility as describe	ed below and rec	quired at Part 3.4.1 and Appendix I, Part III,
Criterion A -	present: A copy of facility and discha	the most current courges are located. You	unty species list u must also inclu	pages for the county(ies) where your site or ade a statement on how you determined that your site or facility or discharge locations.
Criterion B –	and/or NMFS's, as		ical opinion or c	n a prior project: A copy of the USFWS's concurrence on a finding of "unlikely to ation.
Criterion C –	Activities are cove appropriate, letter	red by a Section 10 transmitting the ESA	Permit: A copy of Section 10 aut	of the USFWS's and/or the NMFS's, as horization.
Criterion D -	species or federali in Section I of App	ly-designated critical bendix I): A copy of be cluding that the discluding t	<i>l habitat (not inc</i> the USFWS's an	"not likely to adversely affect" federally-listed cluding the four species of concern identified d/or the NMFS's, as appropriate, letter or ent with the general permit's "not likely to
Criterion E –	other operator of y	ered by certification of vour site or facility (of iteria A, B, C or D.	of eligibility: A or area including	copy of the documents originally used by the gyour site) to satisfy the documentation
Criterion F -	concern, as identi	fied in Section I of A arrence with the appl	ppendix I: A coj	"not likely to adversely affect" species of by of the USFWS and/or the NMFS, as lation that the discharge is "not likely to
E. National	l Historic Prope	rties Act Eligibi	lity	

1. Using the instructions in Appendix III of the PWT	F GP, unde	r which criterion listed in Part III are yo	u eligible
for coverage under this general permit?	2	3	
2. Have any State or Tribal historic preservation offilityes, attach the results of the consultation(s).	cers been co	onsulted in this determination? Yes	No

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 Paul F	Colly	Date 11-9-2009	
Printed Name and Title	Paul F. Colby.	Superintendent	
W. C.	Α'	V	

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



UNITED STATES DEPARTMENT OF COMMERCE National Oceanic and Atmospheric Administration

NATIONAL MARINE FISHERIES SERVICE NORTHEAST REGION One Blackburn Drive Gloucester, MA 01930

August 08, 1995

Paul F. Colby Supt. of Water Operations Newburyport Water Works City Hall, Pleasant Street Newburyport, MA 01950

Dear Mr. Colby:

This is in response to your request for information on the effects of the discharge water from your water treatment plant on the endangered shortnose sturgeon (<u>Acipenser brevirostrum</u>) in the Merrimack River.

Shortnose sturgeon are present in the Merrimack River, spawning in the Haverhill reach and using other portions of the river as summering and overwintering habitat. They do not spend a large portion of their time in the saline reaches of the lower river. Based on the information you provided, the discharge water is not expected to have an effect on shortnose sturgeon in the Merrimack River.

If you have any further questions regarding this information, I can be reached at (508)281-9291.

Sincerely,

Laurie Allen Silva Fishery Biologist



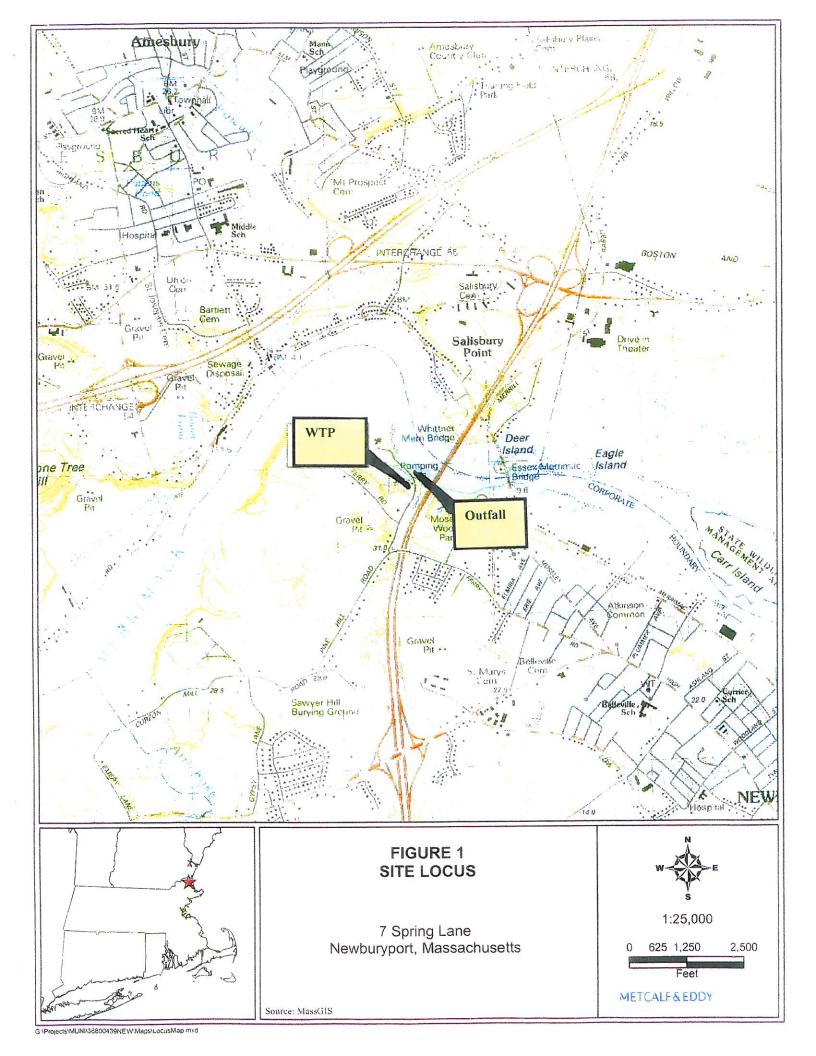
ALUMINUM ANALYSIS

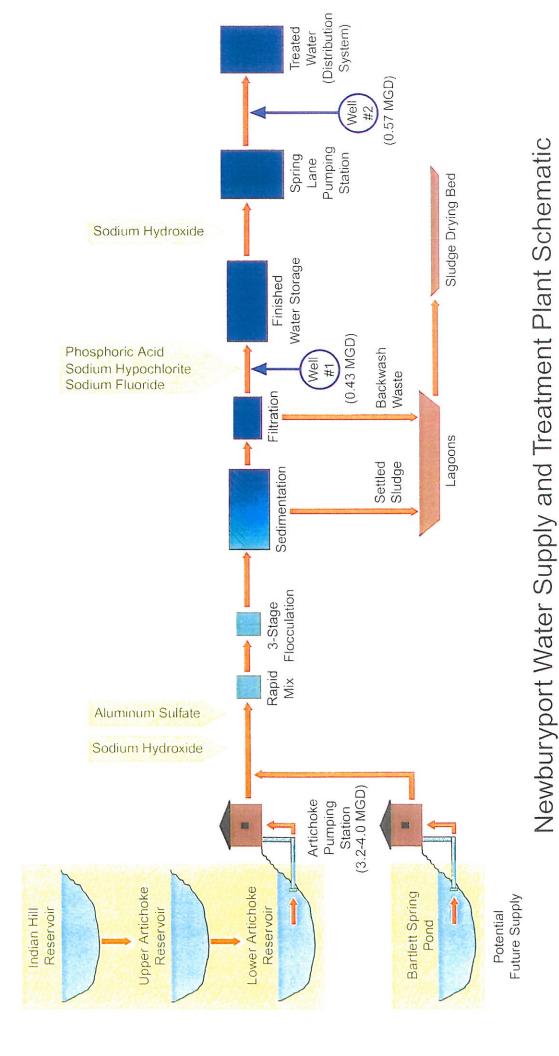
ALUMINOM METHOD 8012 HACH DR/2500

Adapted from Standard Methods for Examination of Water and Waste Water

<u>Date</u>	Micrograms per liter
11/10/2009	12
11/2/2009	21
10/26/2009	4
10/20/2009	16
10/12/2009	33
10/5/2009	14
Highest measured level in month of September 2009	100
Highest measured level in month of August 2009	150
Highest measured level in month of July 2009	180
Highest measured level in month of June 2009	30
Highest measured level in month of May 2009	50

^{*} Note: Lagoons were drained and cleaned in September 2009.





FAY, SPOFFORD & THORNDIKE

Engineers - Planners - Scientists

