

**Commonwealth of Massachusetts**  
**Executive Office of Environmental Affairs ■ MEPA Office**

**ENF**

**Environmental Notification Form**

<i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i>	
EOEA No.:	13593
MEPA Analyst:	Anne Canaday
Phone:	617-626-1035

The information requested on this form must be completed to begin MEPA Review in accordance with the provisions of the Massachusetts Environmental Policy Act, 301 CMR 11.00.

Project Name: Lagoon Decommissioning and Appurtenant Work at Great Pond Water Treatment Plant		
Street: 80 Pine Circle		
Municipality: Weymouth, MA	Watershed: Boston Harbor (Fore River)	
Universal Transverse Mercator Coordinates:	Latitude: 49° 9' 46.02" N	Longitude: 70° 57' 56.92" W
Estimated commencement date: April, 2006	Estimated completion date: April, 2008	
Approximate cost: \$2,100,000.00	Status of project design: 90%complete	
Proponent: Weymouth Water and Sewer Department		
Street: 120 Winter Street		
Municipality: Town of Weymouth	State: MA	Zip Code: 02188
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Stephen C. Olson, PE		
Firm/Agency: Environmental Partners Group	Street: 350 Lincoln Street, Suite 216	
Municipality: Hingham	State: MA	Zip Code: 02043
Phone: (781) 749-6771	Fax: (781) 749-6607	E-mail: sco@envpartners.com

- Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?  
 Yes  No
- Has this project been filed with MEPA before?  
 Yes (EOEA No. \_\_\_\_\_)  No
- Has any project on this site been filed with MEPA before?  
 Yes (EOEA No. \_\_\_\_\_)  No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- a Single EIR? (see 301 CMR 11.06(8))  Yes  No
  - a Special Review Procedure? (see 301 CMR 11.09)  Yes  No
  - a Waiver of mandatory EIR? (see 301 CMR 11.11)  Yes  No
  - a Phase I Waiver? (see 301 CMR 11.11)  Yes  No

Identify any financial assistance or land transfer from an agency of the Commonwealth, including the agency name and the amount of funding or land area (in acres): Not Applicable

Are you requesting coordinated review with any other federal, state, regional, or local agency?  
 Yes (Specify MA DEP; Weymouth Conservation Commission)  No

List Local or Federal Permits and Approvals: 404 - Army Corp., 401 - Water Quality (MADEP) Chapter 91 - Waterways (MADEP), NESHP - Botanical Rare Species

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- |                                 |                                       |  |
|---------------------------------|---------------------------------------|--|
| <input type="checkbox"/> Land   | <input type="checkbox"/> Rare Species | <input checked="" type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water  | <input type="checkbox"/> Wastewater   | <input type="checkbox"/> Transportation                              |
| <input type="checkbox"/> Energy | <input type="checkbox"/> Air          | <input type="checkbox"/> Solid & Hazardous Waste                     |
| <input type="checkbox"/> ACEC   | <input type="checkbox"/> Regulations  | <input type="checkbox"/> Historical & Archaeological Resources       |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
<b>LAND</b>				<input checked="" type="checkbox"/> Order of Conditions <input type="checkbox"/> Superseding Order of Conditions <input checked="" type="checkbox"/> Chapter 91 License <input checked="" type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i>  NESHP Approval Army Corp 404 Permit
Total site acreage	13.11			
New acres of land altered		1.05		
Acres of impervious area	0	0	0	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		0		
Acres of new non-water dependent use of tidelands or waterways		0		
<b>STRUCTURES</b>				
Gross square footage	N/A	N/A	N/A	
Number of housing units	N/A	N/A	N/A	
Maximum height (in feet)	N/A	N/A	N/A	
<b>TRANSPORTATION</b>				
Vehicle trips per day	N/A	N/A	N/A	
Parking spaces	N/A	N/A	N/A	
<b>WATER/WASTEWATER</b>				
Gallons/day (GPD) of water use	N/A	N/A	N/A	
GPD water withdrawal	N/A	N/A	N/A	
GPD wastewater generation/ treatment	N/A	N/A	N/A	
Length of water/sewer mains (in miles)	N/A	N/A	N/A	

**CONSERVATION LAND:** Will the project involve the conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97?

- Yes (Specify \_\_\_\_\_)  No

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify \_\_\_\_\_ )  No

**RARE SPECIES:** Does the project site include Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify: Priority Habitat for Plymouth Gentian )  No

**HISTORICAL /ARCHAEOLOGICAL RESOURCES:** Does the project site include any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify \_\_\_\_\_ )  No

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify \_\_\_\_\_ )  No

**AREAS OF CRITICAL ENVIRONMENTAL CONCERN:** Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify \_\_\_\_\_ )  No

**PROJECT DESCRIPTION:** The project description should include (a) a description of the project site, (b) a description of both on-site and off-site alternatives and the impacts associated with each alternative, and (c) potential on-site and off-site mitigation measures for each alternative (You may attach one additional page, if necessary.)

(A) The proposed improvements are set to be made at the Great Pond Drinking Water Treatment Plant, located at 80 Pine Circle, Weymouth. The proposed project is being undertaken to comply with DEP administrative consent order. Work is tentatively scheduled for construction starting in April 2006 and to be completed in April of 2008. The proposed project involves the decommissioning a network of existing sludge lagoon decommissioning and appurtenant work. The proposed project involves the removal of 60,000-cubic yards (or 12,000,000-gallons) of drinking water treatment plant residuals from within four existing lagoons and one outfall area. The sludge removal activity will be performed under two construction phases, which will both include the collection of sludge, dewatering of sludge (on site), and transport of dried sludge off site to an approved disposal facility. Phase one construction activities will also involve the excavation of 15,000-cubic yards of on-site soil to be used to backfill three of the four cleaned sludge lagoons. The excavation of this on-site soil will be performed in an area immediately adjacent to the lagoon network area, which will involve clearing a treed area of 1.05-acres. Other appurtenant work will include the excavation and installation of two 12" diameter RCP culverts, each approximately 85-ft long. One culvert will be installed in the existing containment berm of Lagoon 4, in the southwest corner. The second culvert will be installed in the existing containment berm of Lagoon 4, along the western perimeter.

(B) Sludge handling and dewatering alternatives analysis was preformed and submitted to DEP entitled "Lagoon Decommissioning Report" for review. The recommendation from the study was to divide the project into a two phase approach. The sludge in the first phase is to be excavated utilizing standard earthwork equipment from the three shallow lagoons and dewater the sludge utilizing geotextile filter tube, or filter box and geotextile. The second phase is intended to utilize a hydraulic dredge for sludge collection and geotextile filter bag for gravity dewatering. Note all dredge material will be dewatered onsite and all bleed water will be allowed to re-enter the existing lagoon network only. The lagoon network discharge point has

been closed off and does not discharge to Great Pond.

(C) Potential on-site impacts are to the botanical priority habitat for Plymouth Gentian. This rare species is located in several locations along the edge of water of the Phase II outfall impoundment area only. Water treatment sludge will need to be removed from the outfall impoundment area. To resolve this potential impact to the rare species a proposed turbidity curtain is to be deployed and anchored at a radial distance of 50-ft from the rare species to act as a buffer zone from the proposed dredge work to take place in the outfall impoundment area.

**LAND SECTION – all proponents must fill out this section**

**I. Thresholds / Permits**

A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1))  
 Yes  No; if yes, specify each threshold:

**II. Impacts and Permits**

A. Describe, in acres, the current and proposed character of the project site, as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	<u>0</u>	<u>0</u>	<u>0</u>
Roadways, parking, and other paved areas	<u>0</u>	<u>0</u>	<u>0</u>
Other altered areas (describe:			
Tree Clearing	<u>0</u>	<u>1.05</u>	<u>1.05</u>
Lagoon Filling	<u>0</u>	<u>1.42</u>	<u>1.42</u>
Undeveloped areas	<u>10.64</u>	<u>0</u>	<u>10.64</u>

B. Has any part of the project site been in active agricultural use in the last three years?  
 Yes  No; if yes, how many acres of land in agricultural use (with agricultural soils) will be converted to nonagricultural use?

C. Is any part of the project site currently or proposed to be in active forestry use?  
 Yes  No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a DEM-approved forest management plan:

D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97?  Yes  No; if yes, describe:

E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction?  Yes  No; if yes, does the project involve the release or modification of such restriction?  Yes  No; if yes, describe:

F. Does the project require approval of a new urban redevelopment project or a fundamental change in an existing urban redevelopment project under M.G.L.c.121A?  Yes  No; if yes, describe:

G. Does the project require approval of a new urban renewal plan or a major modification of an existing urban renewal plan under M.G.L.c.121B? Yes  No ; if yes, describe:

H. Describe the project's stormwater impacts and, if applicable, measures that the project will take to comply with the standards found in DEP's Stormwater Management Policy: No stormwater control structures required. However, existing gravel/un-vegetated surfaces within limits of work shall be loamed and seeded.

I. Is the project site currently being regulated under M.G.L.c.21E or the Massachusetts Contingency Plan? Yes  No ; if yes, what is the Release Tracking Number (RTN)?