

# ENF Environmental Notification Form

*For Office Use Only*  
*Executive Office of Environmental Affairs*  
 EOE No.: 13218  
 MEPA Analyst: Bill GAGE  
 Phone: 617-626-1023

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: Construction of Water Treatment Plant at Holliston Well No. 6		
Street: 600 Mayflower Landing		
Municipality: Holliston	Watershed: Charles River	
Universal Transverse Mercator Coordinates: UTM 19 299792E 4674809N (WGS84/NAD83)	Latitude: 42° 11.99'N	Longitude: 71° 25.50'W (WGS84/NAD83)
Estimated commencement date: July 2004	Estimated completion date: October 2005	
Approximate cost: \$6 million	Status of project design: 60	%complete
Proponent: Town of Holliston, Board of Water Commissioners		
Street: 703 Washington Street		
Municipality: Holliston	State: MA	Zip Code: 01746
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Silvana Toneatti		
Firm/Agency: S E A Consultants Inc.	Street: 485 Massachusetts Avenue	
Municipality: Cambridge	State: MA	Zip Code: 02139
Phone: 617-498-4729	Fax: 617-498-4630	E-mail: Silvana.Toneatti@seacon.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): None

Are you requesting coordinated review with any other federal, state, regional, or local agency?  
 Yes (Specify \_\_\_\_\_)  No

List Local or Federal Permits and Approvals: Holliston Planning Board Review

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 type="checkbox"/> Wetlands, Waterways, & Tidelands      |
| <input checked="" 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 type="checkbox"/> Chapter 91 License <input 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>  <u>BRP WS 24, Approval to Construct a Water Treatment Facility &gt; 1 mgd</u>  <u>BRP WM 13 (NPDES) Request for General Permit Coverage for Surface Water Discharge from a Water Treatment Facility</u>
Total site acreage	15.33			
New acres of land altered		1.76		
Acres of impervious area	<0.01	0.40	0.41	
Square feet of new bordering vegetated wetlands (BVW) alteration		20		
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	400	5,100	5,500	
Number of housing units	0	0	0	
Maximum height (in feet)	11	17.25	28.25	
<b>TRANSPORTATION</b>				
Vehicle trips per day	1	0	1	
Parking spaces	0	2	2	
<b>WATER/WASTEWATER</b>				
Gallons/day (GPD) of water use	0	120	120	
GPD water withdrawal	0.86 MGD	0	0.86 MGD	
GPD wastewater generation/ treatment (Title 5 system)	0	120	120	
Length of water/sewer mains (in miles)	0.09	0.15	0.24	

**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 (Estimated Habitat of Rare Species, Priority Habitat of Rare Species 1999, 2003)  
 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? Not applicable

- 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.)

The Town of Holliston proposes to construct a Water Treatment Plant (WTP) for public water supply for the existing groundwater Well No. 6 to provide iron and manganese treatment. The WTP will be constructed at the well site at 600 Mayflower Landing in Holliston, Massachusetts.

The current Water Management Act permit restricts the average daily flow to 0.86 million gallons per day (MGD) over a 24 hour period. No additional withdrawal is proposed. The new facility will typically operate on average for 12 to 16 hours daily. As a result, the WTP will be designed with a capacity of 1.4 MGD, which is approximately the average daily flow over a 16-hour period.

The WTP is designed to remove iron and manganese from the water through filtration consisting of four ten-foot diameter, pressurized, greensand filters and chemical addition. Ten percent of the filter backwash water will be recycled and treated as raw water. Equipment will be housed in a 5,100 square foot masonry building. The project also includes construction of a pair of settling lagoons, each with an area of approximately 12,000 square feet; construction of a Title 5 system; and modifications to the existing well, raw water transmission main and other appurtenant structures.

Surface conditions include exposed ledge in the southern portion of the site, bordering vegetated wetlands in the northwestern portion, and wetlands on the adjacent parcel east of the site. The northeastern section of the site is wooded, while vegetation in the center of the site consists primarily of grasses. The existing well is located in a 400 square foot, one story concrete building in the north central section of the parcel, and a gravel driveway provides access to the building. The project site is within estimated habitat of rare species (WH 232) and priority habitat (PH 847 and PH 851). As the FEMA FIRM does not provide a 100-year flood elevation and the FIRM flood plain does not correspond to site elevations, the U.S. Army Corps of Engineers flood elevation of 164.0 was used. No fill is proposed in Bordering Land Subject to Flooding below elevation 164.0. Compensatory flood storage will be provided for fill in Isolated Land Subject to Flooding.

The facility layout has been designed to locate structures outside the wetland buffer zone to the extent possible. Wetland impact will be limited to approximately 20 square feet, the area necessary to construct the lagoon discharge. Gravel is proposed for a portion of the driveway to reduce impervious area, yet still provide truck turnaround space and access to the lagoons. This site was selected to facilitate public water system security and to minimize additional construction impacts that would result from conveying raw water to a distant plant site. No suitable alternative municipally-owned parcel on which the plant could be sited is available in the vicinity of the well.