

# ENF Environmental Notification Form

For Office Use Only Executive Office of Environmental Affairs	
EOEA No.:	<u>13420</u>
MEPA Analyst:	<u>Aisling Eglinton</u>
Phone:	<u>617-626-1024</u>

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: <b>Town Forest Well</b>		
Street: <b>Town Forest Road</b>		
Municipality: <b>Groton</b>	Watershed: <b>Nashua River Basin</b>	
Universal Transverse Mercator Coordinates: 19 02 85 330 E 47 18 271 N	Latitude: <b>42° 35" 20'</b>	Longitude: <b>71° 36" 58'</b>
Estimated commencement date: <b>April 2005</b>	Estimated completion date: <b>2006</b>	
Approximate cost: <b>\$1,000,000</b>	Status of project design: <b>10</b>	%complete
Proponent: <b>West Groton Water District</b>		
Street: <b>309 Townsend Road</b>		
Municipality: <b>West Groton</b>	State: <b>MA</b>	Zip Code: <b>01472</b>
Name of Contact Person From Whom Copies of this ENF May Be Obtained: <b>David G. Harwood</b>		
Firm/Agency: <b>Dufresne-Henry</b>	Street: <b>5 Lan Drive</b>	
Municipality: <b>Westford</b>	State: <b>MA</b>	Zip Code: <b>01886</b>
Phone: <b>978-692-1913</b>	Fax: <b>978-692-4578</b>	E-mail: <b>dharwood@dufresne-henry.com</b>

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): There will be no financial assistance or land transfer from the Commonwealth for this project.

Are you requesting coordinated review with any other federal, state, regional, or local agency?

Yes (Specify: **MA DEP and MA DEM**)  No

List Local or Federal Permits and Approvals: New Source Approval and Water Management Act Permit

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 checked="" 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 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 checked="" type="checkbox"/> Water Management Act Permit <input checked="" type="checkbox"/> New Source Approval  <input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input type="checkbox"/> Other Permits (including Legislative Approvals) – Specify: _____ _____ _____ _____ _____
Total site acreage	12			
New acres of land altered		0.015		
Acres of impervious area	0	0.015	0.015	
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	0	900	900	
Number of housing units	0	0	0	
Maximum height (in feet)	0	10	10	
<b>TRANSPORTATION</b>				
Vehicle trips per day	0	1	1	
Parking spaces	0	2	2	
<b>WASTEWATER</b>				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	1,400,000	1,400,000	
GPD wastewater generation/treatment	0	0	0	
Length of water/sewer mains (in miles)	0	1	1	

**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: **Please refer to agency response letter in Appendix 2**)  No

The project site is located within Priority Habitat 66 and Estimated Habitat 492. Correspondence with NHESP indicates the presence of four species of special concern and one threatened species within the vicinity of the project site.

**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 (**Please refer to agency response letter in Appendix 2**).

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: **Petapawag Area of Critical Environmental Concern**)  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.*)

On behalf of the West Groton Water District, this ENF is being submitted to the Secretary of Environmental Affairs pursuant to the Massachusetts Environmental Policy Act Regulations because the project exceeds the MEPA review threshold at 310 CMR 11.03 (11) (b), "any project within a designated ACEC, unless the project consists solely of a one single family dwelling" and 310 CMR 11.03 (4) (b) (1), "new withdrawal or expansion in withdrawal of 100,000 GPD from a water source that requires construction for withdrawal." The West Groton Water District currently obtains all its water from a single source. This source has high concentrations of iron and manganese. In order to provide high quality water and to develop back up and operational flexibility, the District is pursuing permitting of a new well in the Groton Memorial Town Forest at a location referred to as Site 18. Site 18 is approximately 1,600 feet west of the Nashua River and is located off of Town Forest Road (Figure 1) and is located within the Petapawag Area of Critical Environmental Concern. The Town Forest is protected under Article 97 and an easement for the well site will be required. For this reason, the installation of a public drinking water well may be considered a change in use of any right or interest of the Commonwealth in and to Article 97 land.

The well site was identified for potential as a municipal water supply during a test well program in 2002. A 5 day pumping test on an 8 inch test well was conducted in 2004. The test showed a safe yield of 1.4 MGD. Observations during the pump test showed no clear impact to surface water levels and no impact to any wetlands is anticipated. Approval of a gravel-packed production well at this yield is pending from the Department of Environmental Protection. The Water Management Act requires a Water Withdrawal Permit because this is physically a new withdrawal point, however the permit volume will be zero, since the withdrawal will be within the existing registered volume. Therefore, there will be no overall increase in water withdrawal as a result of this project.

The well will require the construction of a small one story pumping station and the installation of approximately one mile of new water main to connect the new well to the existing distribution system. There are no off-site alternatives associated with this project. This site has favorable hydrologic conditions, an off-site well alternative is considered impractical for this project. In conclusion, the project will not result in an increase in permitted water withdrawal and will not only improve the water quality and operational flexibility for the District, but will allow the District to meet future water demands for the residents of Groton.