

# ENF Environmental Notification Form

*For Office Use Only*  
 Executive Office of Environmental Affairs

EOEA No.: 13371  
 MEPA Analyst: Bill GAGE  
 Phone: 617-626-1025

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>Fountain Well and Water Treatment Plant</b>		
Street: <b>Main Street</b>		
Municipality: <b>Raynham</b>	Watershed: <b>Taunton</b>	
Universal Transverse Mercator Coordinates: 19 03 30 <sup>825</sup> E 46 46 <sup>149</sup> N	Latitude: <b>41° 57' 12.5" N</b> Longitude: <b>71° 02' 27.5" W</b>	
Estimated commencement date: <b>2006</b>	Estimated completion date: <b>2008</b>	
Approximate cost: <b>\$750,000</b>	Status of project design: <b>5 %complete</b>	
Proponent: <b>Raynham Water District</b>		
Street: <b>PO Box 160</b>		
Municipality: <b>Raynham</b>	State: <b>MA</b>	Zip Code: <b>02767</b>
Name of Contact Person From Whom Copies of this ENF May Be Obtained: <b>David G. Harwood</b>		
Firm/Agency: <b>Dufresne-Henry, Inc.</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 X No

Has this project been filed with MEPA before?

Yes (EOEA No. \_\_\_\_\_) X No

Has any project on this site been filed with MEPA before?

Yes (EOEA No. \_\_\_\_\_) X No

Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:

a Single EIR? (see 301 CMR 11.06(8))  Yes X No

a Special Review Procedure? (see 301CMR 11.09)  Yes X No

a Waiver of mandatory EIR? (see 301 CMR 11.11)  Yes X No

a Phase I Waiver? (see 301 CMR 11.11)  Yes X 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 \_\_\_\_\_) X No

List Local or Federal Permits and Approvals:

**MA DEP New Source Approval**

**MA DEM Water Management Act Permit**

**MA DEP Wetlands Protection Act**

**MA DEP Approval to Construct a Facility to Treat Greater than 1 MGD**

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

- Land
- Rare Species
- Wetlands, Waterways, & Tidelands
- Water
- Wastewater
- Transportation
- Energy
- Air
- Solid & Hazardous Waste
- ACEC
- Regulations
- 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 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:  <b>MA DEP APPROVAL TO CONSTRUCT A DRINKING WATER TREATMENT PLANT GREATER THAN 1 MGD</b>
Total site acreage	30±			
New acres of land altered		2		
Acres of impervious area	0	0.55	0.55	
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	5,200	5,200	
Number of housing units	0	0	0	
Maximum height (in feet)	0	20	20	
<b>TRANSPORTATION</b>				
Vehicle trips per day	0	1	1	
Parking spaces	0	2	2	
<b>WATER/WASTEWATER</b>				
Gallons/day (GPD) of water use	0	820,000	820,000	
GPD water withdrawal	0	820,000	820,000	
GPD wastewater generation/ treatment	0	30,000	30,000	
Length of water/sewer mains (in miles)	0	0.3	0.3	

**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?

Response pending; according to most recent Natural Heritage and Endangered Species map the site does not include Estimated Habitat or Priority Sites of Rare Species. On September 16, 2003, we faxed and mailed a letter to NHESP requesting any information regarding Estimated Habitat/Priority Habitat within the project area. A copy of this letter is in Appendix 2. We have not received a response.

Yes  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 Appendix 2 contains a copy of correspondence from the Massachusetts Historical Commission. MHC will comment on the project's effect on historic properties after reviewing the ENF.

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 Hockomock Swamp 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.)

The Raynham Water District (District) currently obtains water from three well sites; the Lake Nippenicket Site where there are five wells, the Johnson Pond Site where there is one well, and the Gushee Pond Site where there are two wells. In order to meet future water demand, to improve the drinking water quality of the area, and to add operational flexibility, the District is proposing the development of a new well and water treatment plant at the Fountain Site in Raynham, Massachusetts. The project exceeds the MEPA review thresholds at 310 CMR 11.03 (4) (b) (1) new withdrawal or expansion in withdrawal of 100,000 GPD from a water source that requires new construction for withdrawal, 11.03 (4) (b) (4) construction of a new drinking water treatment plant with a capacity of 1MGD or more, and 11.03 (11) (b) any project within a designated ACEC, unless the project consists solely of one single family dwelling. The Water Management Act requires a Water Withdrawal Permit Amendment because this is physically a new withdrawal point; there will be no overall increase in permitted water withdrawal as a result of this project. The District is also proposing the development of a new well site off of Titicut Street in Raynham, Massachusetts, called the Gushee Wells Site. This site is approximately one-half mile to the southeast of the Fountain Well and a separate Environmental Notification Form was submitted to the Executive Office of Environmental Affairs in December of 2003 for that site.

The project proposes the installation of a new public drinking water well that will be connected to a proposed water treatment plant. The construction of a greensand filtration plant will allow the pumping of public drinking water wells without introducing elevated levels of iron and manganese into the distribution system. The new production well will be located within 100 feet of bordering vegetated wetland. In addition to the construction of the 5,200 SF water treatment plant, a 24,000 SF paved access way will be installed from Main Street to the proposed treatment building and production well. The 30,000 GPD of backwash water from the treatment plant will be directed to a 40,000 SF infiltration basin. Approximately, 2,000 feet of new water main will be installed to connect the new well to the existing distribution system. The installation of the proposed production well will take place within the 100 foot buffer zone of bordering vegetated wetlands (see plan). The proposed well and water treatment plant will be located on property owned by the Raynham Center Water District. The Fountain Well site was discovered during a test well program in 2001. The proposed well is expected to produce approximately 0.82 MGD. This site has favorable hydrologic conditions, therefore an off-site well alternative is considered impractical for this project. Overall, the actual alteration of the land on the 30+ acre site is small (2 acres) as it is the goal of public drinking water supplies to leave the surrounding area as undisturbed as possible. In conclusion, this project will not result in an increase in permitted water withdrawal and will not only improve the operational flexibility for the District, but will allow the District to meet future water demands for the residents of Raynham without adverse impacts to the environment.