

ENF Environmental Notification Form

For Office Use Only Executive Office of Environmental Affairs	
EOEA No.:	<u>13825</u>
MEPA Analyst:	<u>Ann Canaday</u>
Phone:	617-626- <u>1035</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: Country Road Well No.2		
Street: Country Road		
Municipality: Westford	Watershed: Merrimack River Basin	
Universal Tranverse Mercator Coordinates: 19 02 97 366 E 47 16 346 N	Latitude: 42.575 Longitude: 071.467	
Estimated commencement date: April 2007	Estimated completion date: August 2007	
Approximate cost: \$750,000	Status of project design: 5 %complete	
Proponent: Westford Water Department		
Street: PO Box 4026		
Municipality: Westford	State: MA	Zip Code: 01886
Name of Contact Person From Whom Copies of this ENF May Be Obtained: David G. Harwood		
Firm/Agency: Stantec	Street: 5 Lan Drive	
Municipality: Westford	State: MA	Zip Code: 01886
Phone: 978-692-1913	Fax: 978-692-4578	E-mail: dharwood@stantec.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): 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 Amendment

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
LAND				<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:
Total site acreage	12			
New acres of land altered		0.30		
Acres of impervious area	0	0.18	0.18	
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		
STRUCTURES				
Gross square footage	0	725	725	
Number of housing units	0	0	0	
Maximum height (in feet)	0	10	10	
TRANSPORTATION				
Vehicle trips per day	0	1	1	
Parking spaces	0	2	2	
WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	612,000	612,000	
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:) No In accordance with MassGIS NHESP data layers (2005) the project site is not located within Priority Habitat or Estimated Habitat (Figure 2).

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 (See Appendix 2 for agency response)

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.)

This ENF is submitted to the Secretary of Environmental Affairs pursuant to the Massachusetts Environmental Policy Act Regulations because the project exceeds the MEPA review threshold 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."

In order to provide operational flexibility and to help meet peak demands, the Westford Water Department is pursuing permitting of a Country Road Well No.2 at a location previously referred to as Site 7. It was originally proposed to develop this site as a wellfield, since a 400-foot Zone I radius is not available. The Central Regional Office of DEP offered to permit a single withdrawal point and allow the encroachment of Country Road in the 400-foot Zone I area as long as the existing Country Road Well was formally abandoned and decommissioned. The existing Country Road Well is located approximately 50-feet from Country Road (see plan) and has experienced a significant decline in yield due to fouling from high iron concentrations despite annual cleaning. For these reasons, the Westford Water Department is willing to abandon and decommission the Country Road Well in exchange for DEP approval of a Country Road Well No.2 at Site 7.

The well site was identified for potential as a municipal water supply during a test well program in 1987. Prolonged pumping tests were conducted in 1990 and again in 2006. The recent test showed a permitable yield of 0.612 MGD. Observations during the pumping tests showed no 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 Amendment to add this withdrawal point to the existing permit. There will be no increase in water withdrawal as a result of this project. Although Country Road Well No.2 is too far from the Country Road Well to technically be called a replacement well, it is effectively just that and therefore there should be no new or increased environmental impact as a result of the withdrawal.

As shown on the enclosed plan, the well development will require the construction of a 24" x 18" gravel packed well, a 625 SF control building, a 100 SF pad mounted transformer and a 15' wide gravel access road and the installation of associated utilities: 500 LF of electrical utility and 500 LF of water main to connect to connect the new well to the existing distribution system. There are no identified off-site alternatives associated with this project. This site has proven favorable hydrogeologic conditions, and no off-site alternative well sites are known at this time. Only 0.3 acres of the 12 acre site will be disturbed as it is the goal of the public drinking water supplies to leave areas surrounding wells as natural as possible. In conclusion, the project will not result in an increase in permitted water withdrawal and will only improve the quality and reliability of the drinking water for the Town of Westford.