

ENF Environmental Notification Form

For Office Use Only Executive Office of Environmental Affairs	
EOEA No.:	14144
MEPA Analyst:	DEIRDRE BUCKLEY
Phone: 617-626-	X1044

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: Turner Road Well No.2		
Street: Turner Road		
Municipality: Mashpee	Watershed: Cape Cod	
Universal Tranverse Mercator Coordinates: 19 03 73 682 E 46 06 426 N	Latitude: 41° 36' 05"	Longitude: 70° 30' 56"
Estimated commencement date: Fall 2007	Estimated completion date: Fall 2008	
Approximate cost: \$750,000	Status of project design: 5	%complete
Proponent: Mashpee Water District		
Street: 79 Industrial Drive		
Municipality: Mashpee	State: MA	Zip Code: 02649
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. 11630) 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 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	140			
New acres of land altered		0.2 temporary disturbance due to installation of underground utilities		
Acres of impervious area	0.1	0	0.1	
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	1,000	0	1,000	
Number of housing units	0	0	0	
Maximum height (in feet)	20	0	20	
TRANSPORTATION				
Vehicle trips per day	1	0	1	
Parking spaces	2	0	2	
WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	864,000	720,000	1,584,000	
GPD wastewater generation/treatment	0	0	0	
Length of water/sewer mains (in miles)	1	0.25	1.25	

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 (2006) 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 correspondence)**

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.*)

Introduction

In order to provide operational flexibility and to help meet peak demands, the Mashpee Water District is pursuing permitting of a public drinking water well referred to as the Turner Road Well No. 2 in the vicinity of the existing Turner Road Well. 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." The project will not result in an overall increase in permitted water withdrawal but will only improve the quality and reliability of the drinking water for the Town of Mashpee. The overall permitted withdrawal is regulated by the Water Management Act.

Project Description

The existing well site is owned and operated by the Mashpee Water District and consists of access roads, Turner Road Well No. 1 and a pump station. As shown on the enclosed plan, the well development will require the construction of a 24" x 18" gravel packed well, a 15' wide gravel access road and the installation of associated utilities: 1,500 LF of electrical utility and 1,500 LF of water main to connect the new well to the existing distribution system. The well will be equipped with a pitless adapter and there will be no new structures. All controls will be in the existing building.

Project Alternatives

There are no identified off-site alternatives associated with this project. This site has proven favorable hydrogeologic conditions, and no viable off-site alternative well sites are known at this time.

Project Impacts

The project will require New Source Approval and an Amendment to the existing Water Management Act Permit in order to get the rock well listed as an additional withdrawal point. Please note that the Water Management Act Permit Amendment does not increase the total permitted withdrawal. In summary, only 0.2 acres of the 140 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. There are no wetlands or other surface water bodies in the site vicinity which could be affected by the groundwater withdrawal.