

For Office Use Only
Executive Office of Environmental Affairs
EOEA No.: 12802
MEPA Analyst: Bill O'Neil
Phone: 617-626-1025

ENF

Environmental Notification Form

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: Test Well Site 8-00, Dennis Water District
Street: Old Bass River Road
Municipality: Dennis Watershed: Cape Cod
Universal Transverse Mercator Coordinates: 19T402657 mE 4618868 mN
Latitude: 41°43'04" Longitude: 70°10'11"
Estimated commencement date: Summer '02 Estimated completion date: 2003
Approximate cost: \$600,000 Status of project design: 15 %complete
Proponent: Dennis Water District
Street: 80 Old Bass River Road, P.O. Box 2000
Municipality: South Dennis State: MA Zip Code: 02660
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Maura E. Callahan
Firm/Agency: Earth Tech Street: 196 Baker Avenue
Municipality: Concord State: MA Zip Code: 02742
Phone: 978-371-4008 Fax: 978-371-2468 E-mail: Mcallahan@earthtech.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):
Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify: DEP New Source Approval) No

List Local or Federal Permits and Approvals: BRP WS 19 Approval of Pumping Test Report, BRP WS 20 Approval to Construct and BRP WM 02 Amendment to Existing Withdrawal Permit

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

- Land
- Water
- Energy
- ACEC

- Rare Species
- Wastewater
- Air
- Regulations

- Wetlands, Waterways, & Tidelands
- Transportation
- Solid & Hazardous Waste
- 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"/> Superceding 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 <i>(including Legislative Approvals) – Specify:</i>
Total site acreage	27-acre	0	0	
New acres of land altered	0	0.2	0.2	
Acres of impervious area	0	0.04	0.04	
Square feet of new bordering vegetated wetlands alteration	0	0	0	
Square feet of new other wetland alteration	0	0	0	
Acres of new non-water dependent use of tidelands or waterways	0	0	0	
STRUCTURES				
Gross square footage	0	1,500 sq. ft	1,500 sq. ft	
Number of housing units	0	0	0	
Maximum height (in feet)	0	30 ft	30 ft	
TRANSPORTATION				
Vehicle trips per day	0	1	1	
Parking spaces	0	2	2	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	700 MGD	700 MGD	
GPD wastewater generation/ treatment	0	0	0	
Length of water/sewer mains (in miles)	0	0.1	0.1	

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 Est. Habitat of Rare Wildlife, Priority Habitat of Rare Species) 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?

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 proposed project involves construction of a municipal drinking water supply well and pumping station at Site 8-00 in Dennis, Massachusetts. The purpose of the proposed well is three-fold: 1) to alleviate existing water supply deficiencies, 2) to create redundancy and reliability in the distribution system and 3) to meet peak demands during summer months when the population increases dramatically.

Although the Dennis Water District's (DWD) annual demands have remained relatively stable over the last few years, summer demands continue to rise, placing increased stress on their existing sources. To address the problem, the DWD conducted a Source Alternative Investigation and test well program to identify potential water supply sites. The Source Alternative Investigation identified test well site 8-00 as a preferred alternative.

Test Well Site 8-00 is located on a 27-acre parcel owned by the Dennis Water District in Dennis Massachusetts. The well is located approximately 500 feet west of Old Bass River Road and 575 feet south of Setucket Road. DWD's pumping stations No. 4 and 6 are located approximately 345 feet east and 185 feet north of test well site 8-00, respectively.

A prolonged pumping test was conducted between January 23 and 28, 2002 at site 8-00. Results of the pumping test are summarized in a report titled, "Zone II Delineation and New Source Final Report, Test Well Location 8-00, Dennis Water District, Dennis, Massachusetts. The report was submitted to the DEP in May of 2002. It is anticipated that the finished gravel-packed well will be approximately 170 feet in depth and yield 700 gallons per minute. The well and pumping equipment will be housed in a brick and block structure, which will occupy roughly 1,500 square feet. An access road will not be

necessary as a road to the existing stations is located within 10 feet of the proposed well. A small parking area, approximately 300 square feet, is proposed adjacent to the proposed pumping station. The parking area will be constructed of dense-graded, crushed stone, which is a permeable surface. An existing 6-inch water main is located approximately 20 feet east of the proposed pumping station. The District plans to tie the new well into this existing main. If necessary, the District may replace the existing main between this connection and Old Bass River Road, approximately 500 feet to the east, with a 12-inch water main.