

Commonwealth of Massachusetts

Executive Office of Environmental Affairs ■ MEPA Office

ENF

Environmental Notification Form

<p><i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i></p>
<p>EOEA No.: 12900 MEPA Analyst: Diandre Buckley Phone: 617-626-1044</p>

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: Town of Dighton Water Treatment Plant		
Street: 100 Williams Street		
Municipality: Dighton	Watershed: Taunton River	
Universal Transverse Mercator Coordinates: 319885.643 E, 4637734.856 N	Latitude: 71° 10' 12" W	Longitude: 41° 52' 23" N
Estimated commencement date: June 2003	Estimated completion date: March 2005	
Approximate cost: \$ 7 Million	Status of project design: 20 %complete	
Proponent: Town of Dighton Water District		
Street: 527 Somerset Avenue		
Municipality: Dighton	State: MA	Zip Code: 02764
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Abigail Thomas		
Firm/Agency: Earth Tech	Street: 196 Baker Ave	
Municipality: Concord	State: MA	Zip Code: 01742
Phone: 978-371-4000	Fax: 978-371-2468	E-mail: abigail_thomas@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 301CMR 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): Possible SRF Loan

Are you requesting coordinated review with any other federal, state, regional, or local agency?
 Yes (Specify _____) No

List Local or Federal Permits and Approvals: Notice of Intent, Planning Board Approval, National Pollutant Discharge Elimination System (NPDES) Permit (Operating), NPDES Permit Construction, and NPDES Permit (Storm Water), Department of the Army Permit under Section 404 of the Clean Water Act (CWA), Water Quality Certificate under Section 401 of the CWA.

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 checked="" 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"/> Superceding Order of Conditions <input type="checkbox"/> Chapter 91 License <input checked="" type="checkbox"/> 401 Water Quality Certification <input type="checkbox"/> MHD or MDC Access Permit <input type="checkbox"/> Water Management Act Permit <input 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	83.89			
New acres of land altered		5.7		
Acres of impervious area	0.12	1.31	1.43	
Square feet of new bordering vegetated wetlands alteration		5,818		
Square feet of new other wetland alteration		38,526 (riverfront area)		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	0	12,392	12,392	
Number of housing units	0	0	0	
Maximum height (in feet)	0	32	32	
TRANSPORTATION				
Vehicle trips per day	0	5	5	
Parking spaces	0	Less than 20	Less than 20	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	250	250	
GPD water withdrawal	489,000	0	489,000	
GPD wastewater generation/ treatment	0	250	250	
Length of water/sewer mains (in miles)	0	8.33 - Water	8.33 - Water	

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

A letter was sent to the Massachusetts Natural Heritage & Endangered Species Program (NHESP) on October 11, 2002 in order to confirm that this project will have no negative impact on rare species. On October 24, 2002, Earth Tech received a response letter from NHESP. The letter stated that the project site is near, but does not include any Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities. Both letters are included in Attachment 6.

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

A letter was sent to the Massachusetts Historical Commission (MHC) on October 11, 2002 in order to confirm that this project will have no negative impact on rare species. The letter is attached in Attachment 7. On October 24, 2002, Earth Tech received a response letter from MHC. The letter stated that the project site is unlikely to affect significant historic or archaeological resources. There will be no impacts to any structure, site or district listed in the State Register of Historic Place or the inventory of Historic and Archaeological Assets of the Commonwealth. Both letters are included in Attachment 7.

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 project includes the of a new 1.5 MGD Water Treatment Facility (no existing water treatment facility) located off of Walker Street in Dighton, MA and the installation of approximately 8.33 miles of water main from the existing Walker Street and Cedar Street Wells to the treatment facility and distribution system. The project will not involve expansion or new water supply withdrawals. The water treatment facility will treat the

five existing wells of the Dighton Water District's (DWD). The current treatment of chemical addition for pH and alkalinity adjustment and disinfection in the existing wells is not adequately treating the water to meet drinking water standards.

The District is currently under an Administrative Consent Order from the DEP to construct the treatment plant. The project's existing conditions site plan is included in Attachment 1. A preliminary site plan is included in Attachment 2. The project's final design and specifications will be completed and filed with the DEP in January 2003. The project exceeds the MEPA ENF thresholds for the construction of a new drinking water treatment plant with a capacity of 1,000,000 or more mgd, construction of one or more new water main five or more miles in length, and alteration of 5,000 square feet of bordering vegetated wetland

The DWD's finish water quality frequently exceeds current drinking water standards. In October 2001, the presence of fecal coliform was detected in water samples. As a result, a Boil Order, which lasted from October 12 to 24, 2001, was issued. In 2000 and 2001, the levels of lead and copper exceeded the action levels of 0.015 and 1.3 mg/L respectively. During this time period, levels of iron and manganese exceeded the secondary drinking water standards of 0.30 and 0.05 mg/L respectively. In addition, the high demand of chlorine required for disinfection results in levels of total trihalomethanes (TTHMs) that exceed the standard of 0.08 mg/L. Microscopic Particulate Analyses (MPA) indicate that the Walker Street Well No. 1 has failed to maintain a low risk rating during two consecutive seasons.