

Commonwealth of Massachusetts

Executive Office of Environmental Affairs ■ MEPA Office

ENF

Environmental Notification Form

<i>For Office Use Only</i>	
<i>Executive Office of Environmental Affairs</i>	
EOEA No.:	<i>14281</i>
MEPA Analyst:	<i>Nick ZAVOLAS</i>
Phone: 617-626-	<i>1030</i>

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: Bomil Wells Water Treatment Facility		
Street: 55 Richardson Road		
Municipality: Chelmsford	Watershed: Merrimack	
Universal Traverse Mercator Coordinates: UTM Zone 23 584509E 7921514N	Latitude: N 42° 37' 40.59" Longitude: W 71° 22' 50.49"	
Estimated commencement date: July 2008	Estimated completion date: December 2009	
Approximate cost: \$2.6 M	Status of project design: 25 %complete	
Proponent: N. Chelmsford Water District		
Street: Washington St.		
Municipality: Chelmsford	State: MA	Zip Code: 01824
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Randal Suozzo		
Firm/Agency: Tata & Howard, Inc.	Street: 125 Turnpike Road	
Municipality: Westborough	State: MA	Zip Code: 01581
Phone: 508-366-5760	Fax: 508-366-5785	E-mail: rsuozzo@tataandhoward.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. Pending) 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 Chelmsford Conservation Commission, Massachusetts DEP) No

List Local or Federal Permits and Approvals Chelmsford Planning Board (not filed) and Chelmsford Conservation Commission (not filed)

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 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 checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i>
Total site acreage	58			
New acres of land altered		3.75		
Acres of impervious area	0.02	0.54	0.56	
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				NPDES Permit – Surface Water Discharge Permit BRPWS 24 – Approval to Construct a Water Treatment Facility Equal to or Greater than One Million Gallons per Day
Gross square footage	928 sq ft	12837 sq ft	13765 sq ft	
Number of housing units	0	0	0	
Maximum height (in feet)	30	Prop Bldg 25'	30	Building Permit – Building Dept. Notice of Intent – Chelmsford Conservation Commission Site Plan Approval – Chelmsford Planning Board
TRANSPORTATION				
Vehicle trips per day	2	24	26	
Parking spaces	0	9	9	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	<100	<100	
GPD wastewater generation/ treatment	0	<100	<100	
Length of water/sewer mains (in miles)	0.14	Remove 0.14 Add 0.64	0.98	

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 See attached correspondence Attachment 5 and 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 See attached correspondence (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

Project History/Description

The North Chelmsford Water District owns and operates four groundwater well supplies within the Merrimack Watershed to serve its customers. All four wells are located at the Bomil Well site, and therefore are critical sources of water for the Water District.

The Water District proposes to construct a new 2.3 million-gallon Water Treatment Facility (WTF) located at their Bomil Well Site, off Richardson Road in Chelmsford, MA. The WTF will encompass approximately 12,837 square feet on a 58-acre parcel owned by the North Chelmsford Water District. The Water Treatment Facility will include a garage, loading dock, and offices in addition to its treatment processes. There will also be a paved area adjacent to the garage and a paved approach for the loading dock. Both paved areas will be accessed through a proposed gravel driveway off of Richardson Road. The approximate location of the project area is shown on Figure No.1: Locus Map, located in Attachment 1.

The completion of this project will bring the Bomil Well site into compliance with The Massachusetts Department of Environmental Protection (DEP) drinking water standards and the Federal Safe Drinking Water Act.

Alternatives

Alternative locations and the potential impacts at each have been considered. The North Chelmsford Water District owns 58 acres on which the treatment plant could be located. Of this area, only about one third consists of accessible upland. Also, across the street from the 58 acre property, the District owns a 9 acre site adjacent to the Chelmsford property, which was evaluated as an alternative location. The parcel is located almost entirely with the 100 foot riverfront area and would have resulted in

significant impacts to the resource area. This property was eliminated for consideration. Within the North Chelmsford Water District Property, two locations were evaluated. The first was along the existing gravel drives that access the four wells on site. This location took advantage of the existing utility lines and driveway but would have required considerable grading within the 100 year FEMA flood plain. The alterations required to place the building and mitigate fill within the flood plain within close proximity to the wetlands were considered a greater impact than the extension of underground utilities to a location further from the resource areas. The location chosen minimizes fill within the flood plain, includes a greater buffer to the resource areas and only extends underground utilities by approximately 300 feet resulting in the least environmental impact of the three locations.

Mitigating Measures

As a means of mitigation, environmental controls will be installed on site prior to construction. Haybales and siltation fence are proposed to prevent sedimentation from construction from entering adjacent resource areas.

Permanent stormwater management controls will be incorporated into the design in accordance with stormwater standards to manage stormwater runoff from additional paved and rooftop areas created by the project. A no-net increase in stormwater runoff is anticipated as a result of the project. The project will be designed to prevent post-construction impacts on the adjacent resource areas and floodplain. Stormwater quantity and quality will be managed using best management practices.

Potential short-term impacts to the resource areas due to construction together with appropriate mitigating measures, will be reviewed by the Chelmsford Conservation Commission during the Notice of Intent Process. Construction will not commence until approval is received by both local and state authorities.

LAND SECTION – all proponents must fill out this section

I. Thresholds / Permits

A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1))
 ___ Yes No; if yes, specify each threshold:

II. Impacts and Permits

A. Describe, in acres, the current and proposed character of the project site, as follows:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	0.02	0.29	0.31
Roadways, parking, and other paved areas	0	0.24	0.24
Other altered areas (describe)*	0	3.27	3.27
Undeveloped areas	57.98	3.80	54.18

*Other altered areas include a gravel driveway and grading which will be loamed and seeded.

B. Has any part of the project site been in active agricultural use in the last three years?
 ___ Yes No; if yes, how many acres of land in agricultural use (with agricultural soils) will be converted to nonagricultural use?

C. Is any part of the project site currently or proposed to be in active forestry use?
 ___ Yes No; if yes, please describe current and proposed forestry activities and indicate whether any part of the site is the subject of a DEM-approved forest management plan:

D. Does any part of the project involve conversion of land held for natural resources purposes in accordance with Article 97 of the Amendments to the Constitution of the Commonwealth to any purpose not in accordance with Article 97? ___ Yes No; if yes, describe:

E. Is any part of the project site currently subject to a conservation restriction, preservation restriction, agricultural preservation restriction or watershed preservation restriction? ___ Yes No;