



Environmental Notification Form

<i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i>	
EOEA No.:	<u>12895</u>
MEPA Analyst:	<u>Deirdre Buckley</u>
Phone: 617-626-	<u>1044</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: Springvale Water Treatment Plant Expansion		
Street: 1076 Worcester Rd. (Route 9)		
Municipality: Natick	Watershed: Concord	
Universal Transverse Mercator Coordinates: 3 04 702 E / 46 85 404 N	Latitude: 71° 22' 09"	Longitude: 42° 17' 54"
Estimated commencement date: Spring 2003	Estimated completion date: Spring 2005	
Approximate cost: \$5,800,000	Status of project design: 100% complete	
Proponent: Town of Natick Department of Public Works		
Street: 75 West Street		
Municipality: Natick	State: MA	Zip Code: 01760
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Gregory J. Eldridge, P.E.		
Firm/Agency: Haley and Ward, Inc.	Street: 25 Fox Rd.	
Municipality: Waltham	State: MA	Zip Code: 02451
Phone: (781) 890-3980	Fax: (781) 890-1491	E-mail: geldridge@haleyward.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. unknown) 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): Department of Environmental Protection Drinking Water State Revolving Fund (\$5,800,000)

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

List Local or Federal Permits and Approvals: Local Building Permit

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 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 (including Legislative Approvals) – Specify:
Total site acreage	4.4			
New acres of land altered		0.76		
Acres of impervious area	0.94	0.31	1.25	
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				Approval of treatment facility Modification (DEP) _____ Abandonment of Water _____ Source (DEP) _____
Gross square footage	10,072	10,248	20,320	
Number of housing units	0	0	0	
Maximum height (in feet)	33	0	33	
TRANSPORTATION				
Vehicle trips per day	42	0	42	
Parking spaces	10	0	10	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	±175	+50	±225	
GPD water withdrawal	8,720,000	-720,000	8,000,000	
GPD wastewater generation/treatment	±245	+140	±385	
Length of water/sewer mains (in miles)	0.4 (water mains)	+0.2	0.6	

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

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 Town of Natick proposes to construct a water treatment facility to treat water from Springvale Well No. 2, No. 3 and No. 4. Water quality testing at Springvale Well No. 3 and No. 4 over the last few years indicates an increase in manganese levels and a presence of VOC's at low levels. The treatment plant will be constructed adjacent to the existing Springvale Treatment Plant, which was constructed primarily to treat water from the Evergreen Wells.

The treatment plant will provide the Town with the capability to maximize treatment for the Springvale and Evergreen Water Supply Wells. The existing treatment plant has a capacity of 4 mgd for manganese removal and 6 mgd for VOC removal. The design of the new treatment plant will include greensand filters for manganese removal, corrosion control and disinfection equipment, office space, locker rooms and rest rooms. The existing VOC air stripping towers will also be upgraded to accommodate an additional stripping tower. Upon completion of the proposed project the expanded treatment facility will have a capacity of 8-9 mgd of manganese removal and 8 mgd of VOC removal. During the construction of the treatment facility an existing water supply well (Springvale No. 5) will be abandoned. This well has been plugged for some time, and repeated efforts to clean the well have not been successful.

The proposed project will also include the following system improvements:

- Upgrading of the existing facility electrical controls and SCADA system to operate both facilities;
- Construction of a garage to house Water Department vehicles, including emergency response vehicles, and store chemicals required for the treatment plant, eliminating potential sources of contamination such as oil or gasoline from entering the groundwater and wells;
- The replacement of tuberculated water mains on the site and the cleaning and lining of 2,500 feet of water mains leaving the site will serve to remove the build-up of manganese, which possibly has been contributing to microbiological violations over the last couple of years;
- The proposed project will also provide disinfection to the Springvale Wells 3 and 4, providing the Town with the ability to maintain acceptable residual chlorine levels within the distribution system.

Since this project involves the expansion of an existing treatment facility, and due to the location of the Springvale wells at the project site, this site was the only viable location for the proposed plant.