

3106 For Office Use Only
Executive Office of Environmental Affairs

EOEA No.: *13295*
 MEPA Analyst: *Anne Canada*
 Phone: 617-626-*1035*

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: New Municipal Ground Water Supply Wells and Treatment Plant Concord, Massachusetts		
Municipality: Concord	Watershed: Concord River Basin	
Universal Transverse Mercator Coordinates: TW-1: 308,780.5275E 4,706,385.5413N TW-2: 308,887.8087E 4,706,375.3441N TW-3: 308,972.5845E 4,706,279.8742N	Latitude: TW-1: 42° 29' 10.38"/71° 19' 5.98" TW-2: 42° 29' 10.14"/71° 10' 31.27" TW-3: 42° 29' 7.12"/71° 19' 27.45" Longitude: _____	
Estimated commencement date: Summer '04	Estimated completion date: Fall '05	
Approximate cost: \$ 5,000,000	Status of project design: 20% %complete	
Proponent: Concord Public Works – Water/Sewer Division		
Street: 135 Keyes Road		
Municipality: Concord	State: MA	Zip Code: 01742
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Raymond Talkington		
Firm/Agency: Geosphere Envl Mgmt, Inc.	Street: One Merrill Drive	
Municipality: Hampton	State: NH	Zip Code: 03842
Phone: 603-926-0075	Fax: 603-926-9077	E-mail: rtalkington@geospherenh.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, BRP WS 24 – Approval to Construct a Water Treatment Facility, BRP WM 02 Amendment to Existing Withdrawal Permit, BRP WP 64A – Approval of Tight Tank, and Local Order of Conditions**

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 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 checked="" type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i> <u>BRP WP 64A – Approval of Tight Tank</u>
Total site acreage	17.12-acres			
New acres of land altered		0.05		
Acres of impervious area	0	0.48	0.48	
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	0	2,300	2,300	
Number of housing units	0	0	0	
Maximum height (in feet)	0	30	30	
TRANSPORTATION				
Vehicle trips per day	0	2	2	
Parking spaces	0	4	4	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	10	10	
GPD water withdrawal	0	700 GPM/ 1 MGD	700 GPM/ 1 MGD	
GPD wastewater generation/ treatment	0	10	10	
Length of water/sewer mains (in miles)	0	0.46	0.46	

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: Estimated Habitat of Rare Wildlife and Rare Species) No

Blanding's Turtle, Blue-spotted Salamander, and Briton's Violet (see Rare Species Section)

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 the construction of three municipal water supply wells, pumping station/treatment plant, water main, and access road to the Brewster Wellfield test well site in Concord, Massachusetts. The test well site is located at the end of Balls Hill Road, adjacent to the Concord River.

Over thirty years ago, the Town of Concord, through its long-range planning efforts, realized the importance of ensuring its residents would be supplied with an adequate supply of quality water then and into the future. As part of the Town's 1987 Long Range Plan, seven areas were identified for exploration for a new ground water source. The most favorable site was determined to be the Brewster Wellfield test well site. The site was considered particularly favorable in that it was located north of Route 2A. At a 2001 Special Town Meeting, the Town voted unanimously to authorize the Water Fund to purchase the 27 acres of land located off Balls Hill Road for future water supply development.

Three 16" x 10" diameter gravel packed test wells (TW-1, TW-2, and TW-3) were installed at the site in July 2003. A prolonged pumping test was performed on all three test wells on October 1 through October 10, 2004, and a report entitled "BRP WS 19 Source Final Report – Application for Approval of Pumping Test Report For a New Source 70 Gallons per Minute (gpm) or Greater" was submitted to the Massachusetts DEP in April, 2004. It is anticipated that the permitted production volumes for TW-1, TW-2 and TW-3 will be 125 gpm, 400 gpm and 200 gpm, respectively.

As stated in the Source Final Report, the pumping of the wells is not anticipated to have an adverse effect on the wetland resource areas and or result in any long-term change to any rare species habitat on or in the vicinity of the wells. The Town of Concord anticipates both short-term and long-term monitoring will be performed to verify these findings.