

Environmental **ENF** Notification Form

For Office Use Only
Executive Office of Environmental Affairs

EOEA No.: 13951
 MEPA Analyst: Berion Angus
 Phone: 617-626-1029

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: Salisbury New Source Well 8		
Street: Lena Mae's Way		
Municipality: Salisbury	Watershed: North Coastal	
Universal Transverse Mercator Coordinates: 4749022.389N 342034.103E	Latitude: 42 52 38.87957 Longitude: 070 52 49.89669	
Estimated commencement date: Spring 2007	Estimated completion date: Fall 2007	
Approximate cost: \$500,000	Status of project design: 80% complete	
Proponent: Town of Salisbury Department of Public Works		
Street: 39 Lafayette Road		
Municipality: Salisbury	State: MA	Zip Code: 01952
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Raymond W. Talkington		
Firm/Agency: GEOSPHERE Environmental Management, Inc.	Street: 51 Portsmouth Avenue	
Municipality: Exeter	State: NH	Zip Code: 03833
Phone: (603) 773-0075	Fax: (603) 773-0077	E-mail: ralkington@gesopherenh.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(B)) 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): None

Are you requesting coordinated review with any other federal, state, regional, or local agency?

Yes (Specify _____) No

List Local or Federal Permits and Approvals: **BRP WS 17-Application for Approval to Site a Source Greater than 70 GPM, BRP WS 18-Application for Approval to Conduct a Pumping Test for a New Source 70 GPM or Greater, BRP WS 19-Application for Approval of Pumping Test Report for a New Source 70 GPM or Greater, and BRP WM 03-Water Management Act Permit Application.**

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 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 (including Legislative Approvals) – Specify:
Total site acreage	61.75			
New acres of land altered		0.13		
Acres of impervious area	0.24	0	0.24	
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	1,350.78	0	1,350.78	
Number of housing units	0	0	0	
Maximum height (in feet)	0	0	0	
TRANSPORTATION				
Vehicle trips per day	2	0	2	
Parking spaces	0	0	0	
WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	0	0	
GPD wastewater generation/treatment	0	0	0	
Length of water/sewer mains (in miles)	0	0	0	

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 proposed project involves the construction of a municipal water supply well in the vicinity of existing Wells 5 and 6 located off Lena Mae's Way in Salisbury, MA. Well 5 and Well 6 are gravel packed wells located in a high yield aquifer within the North Coastal Watershed Basin in Salisbury. No other high or medium yield aquifers are present in the town. Efforts to locate a bedrock source of supply are ongoing. During emergencies, water can (and has been) purchased from the Towns of Amesbury, MA and Seabrook, NH. The Town of Salisbury is experiencing significant growth and coupled with the population influx to the Salisbury Beach area during the summer recreation, the Town anticipates that the demand for water will continue to increase and place a severe burden on its three current sources, Wells 5, 6, and 7. Average daily demand in maximum months has steadily increased from 1.16 mgd in 2000 to 1.23 mgd in 2002 (EarthTech, 2004). In 2002, Salisbury purchased 9.76 mg from the Town of Amesbury in order to meet the summer demand.

Well 7, an existing gravel packed well is located in a medium-yield aquifer in the area of Folly Mill Rd. and Blacksnake Rd. in the north part of Salisbury adjacent to the Town of Seabrook, NH. This aquifer also supplies water to several of the Town of Seabrook's wells. Interference effects from the pumping of the Town of Seabrook's wells limit the Town of Salisbury's ability to withdraw the necessary volume of water from this well to satisfy the demand, particularly during the summer months.

Between May 12 and May 27, 2004 as part of a Town-wide sand and gravel aquifer exploration program, a total of six new 2 1/2" diameter steel casing observation wells were installed in an area to the north of Town of Salisbury Wells 5 and 6. Based upon the results of the 2004 sand and gravel exploratory drilling programs and the fact that no other high or medium yield aquifers were identified, the proposed new source, Well 8, will be a gravel packed well located in the vicinity of Wells 5 and 6 off of Lena Mae's Way. The addition of Well 8 will provide redundancy to the Town of Salisbury's water system in addition to increased capacity to reduce future purchases of water from nearby towns.

A prolonged pumping test was performed on proposed Well 8 in March 2006 and May 2006, and a report entitled

“BRP WS 19 Source Final Report-Application for Approval of Pumping Test Report for a New Source 70 gpm or Greater” was submitted to the Massachusetts Department of Environmental Protection in October 2006. It is anticipated that the permitted production volume of Well 8 will be 230 gpm and Wells 5 and 6 will be 378 and 436 respectively. The final combined extraction rate for Wells 5, 6, and 8 was calculated to approximately 1,044 gpm.

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 Salisbury anticipates both long and short term monitoring will be performed to verify these findings.

REFERENCES

Earth Tech, June 2004. *EOEA Water Assets Study, Town of Salisbury, Massachusetts Community Report.*