

ENF

**Environmental
Notification Form**

For Office Use Only
Executive Office of Environmental Affairs
EOEA No.: 13368
MEPA Analyst: Rick Bourée
Phone: 617-626-1130

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: Richardi Reservoir Dredging Project		
Street: Pond Street, Braintree; North Street, Randolph		
Municipality: Braintree, Randolph	Watershed: Weymouth/Weir (Boston Harbor)	
Universal Transverse Mercator Coordinates: 4672790.113N 333044.514E Zone 19 NAD 83	Latitude: 042°11'22.03"N Longitude: 071°01'18.87"W	
Estimated commencement date: 2005	Estimated completion date: 2009	
Approximate cost:	Status of project design: 100	%complete
Proponent: Tri-Town Board of Water Commissioners		
Street: 2 JFK Memorial Drive		
Municipality: Braintree	State: MA	Zip Code: 02184
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Sean Scully		
Firm/Agency: BETA Group, Inc.	Street: 315 Norwood Park South	
Municipality: Norwood	State: MA	Zip Code: 02062
Phone: 781-255-1982	Fax: 781-255-1974	E-mail: sscully@beta-inc.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): N/A

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

List Local or Federal Permits and Approvals: Final Order of Conditions, 401 Water Quality Certification, Section 404 Permit, Federal Consistency Review, NPDES

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 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 type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i>
Total site acreage <u>Land Under Water Body</u>	51 Acre Reservoir	Dredging + 800,000 cubic yards—40 acres	800,000 cubic yards 40 acres	
New acres of land altered		N/A		
Acres of impervious area	0	0	0	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		N/A		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	N/A			
Number of housing units	N/A			
Maximum height (in feet)	N/A			
TRANSPORTATION				
Vehicle trips per day	0	32	32	
Parking spaces	N/A			
WATER/WASTEWATER				
Gallons/day (GPD) of water use	N/A			
GPD water withdrawal	N/A			
GPD wastewater generation/treatment	N/A			
Length of water/sewer mains (in miles)	N/A			

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: 19-NF-339, 19-NF-376, 19-NF-377, 19-NF-378, 19-NF-380) 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 project site is the Richardi Reservoir within the Towns of Braintree and Randolph. The 51 acre Richardi Reservoir is part of a three-reservoir system along with Upper Reservoir and Great Pond making up the Tri-Town Water District. The Tri-Town Water District supplies water to the Towns of Braintree, Randolph and Holbrook. The abutting area is primarily undeveloped with the exception of the pumping facility along the northwest bank and access roads to the west. The Farm River lies to the east of the Richardi Reservoir and is its main water source.

The proposed project will involve the mechanical dredging of approximately 800,000 cubic yards (from 40 acres of the 51 acre reservoir) of material from the Richardi Reservoir. This would result in an additional water storage capacity of approximately 160 million gallons. The material to be excavated consists primarily of sand, silt and gravel. The proposed project will restore storage capacity lost due to sedimentation and is expected to produce long-term positive impacts to the water quality of the reservoir.

An existing natural berm separates the reservoir intake from the main portion of the reservoir. This berm will remain intact and be strengthened as necessary to allow the draining of the main portion of the reservoir. It will also help protect the water quality of the Farm River and groundwater in this area from construction activities.

Access to the reservoir will be from the existing road off Pond Street in Braintree. The access road will be used by both the excavation equipment and by the trucks to transport the material off-site. The installation of three gravel roads within the reservoir will occur for excavation access. The access roads will be installed throughout the dredging project and removed once that particular area of the reservoir has been dredged.

Excavation activities will begin near the reservoir intake and continue southward. A 50-foot buffer zone will be left untouched around the banks of the reservoir in order to maintain the existing slope stability. Beginning 50-feet from the bank on all sides, the reservoir will be dredged with a 4:1 side slope to an approximate elevation of 74 feet. Material will be dewatered within the reservoir and subsequently transported off-site.

Several alternatives were considered including No Action, Hydraulic Dredging and Mechanical Dredging. The No Action alternative would not result in increased capacity within the Tri-Town Water District and was dismissed. A second alternative, hydraulic dredging, is costly and would yield similar results as mechanical dredging. Mechanical dredging was determined to be the most effective and least costly alternative to meet the water needs of the district.