

ENF Environmental Notification Form

<i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i>	
EOEA No.:	<u>13097</u>
MEPA Analyst:	<u>Arthur Pugsley</u>
Phone:	617-626- <u>1029</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: Marina Bay Maintenance Dredging		
Street: 333 Victory Road		
Municipality: Quincy	Watershed: Dorchester Bay	
Universal Transverse Mercator Coordinates: 19 332963E 4684939N	Latitude: 42° 18' 02"N	Longitude: 71° 01' 35"W
Estimated commencement: January, 2004	Estimated completion date: March, 2004	
Approximate cost: \$500,000	Status of project design: 60 %complete	
Proponent: Marinas USA, L.L.P.		
Street: 333 Victory Road		
Municipality: Quincy	State: MA	Zip Code: 02171
Name of Contact Person From Whom Copies of this ENF May Be Obtained: David Klinch, PWS		
Firm/Agency: ENSR	Street: 2 Technology Park Drive	
Municipality: Westford	State: MA	Zip Code: 01886
Phone: 978/589-3000 x3528	Fax: 978-589-3100	E-mail: dklinch@ensr.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 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): 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: City of Quincy Order of Conditions (obtained), MA DEP Chapter 91 Permit, MA DEP 401 WQC, USACE Category II PGP, MA CZM Federal Consistency Statement

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 checked="" type="checkbox"/> Chapter 91 Permit <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	35.8 (all water)			
New acres of land altered		0		
Acres of impervious area	0	0	0	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		107,800 sf		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				<u>CZM Consistency Statement</u> <hr/> <hr/> <hr/> <hr/> <hr/>
Gross square footage				
Number of housing units				
Maximum height (in feet)				
TRANSPORTATION				
Vehicle trips per day				
Parking spaces				
WATER/WASTEWATER				
Gallons/day (GPD) of water use				
GPD water withdrawal				
GPD wastewater generation/treatment				
Length of water/sewer mains (in miles)				

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.*)

A. Project Site & Summary

The Marina Bay facility, located within Quincy Harbor, Massachusetts, is an existing 36+/- acre private 685 slip marina. The marina is protected by a 2,200 foot long breakwater, and existing water depths within the marina range from 3 to 12 feet. No maintenance dredging is known to have occurred at the marina in the past, and accumulation of sediment has impaired use of the marina for navigation and berthing within the marina (see attached figures). Marinas USA LLP is currently applying for all permits required to allow *maintenance* dredging of approximately 9,000 c.y. of sediment to restore adequate depth for berthing and navigation to those parts of the active marina which are currently impaired. This dredging will temporarily disturb approximately 107,800 s.f. (2.47 ac.) of Land Under the Ocean and Land Containing Shellfish to depths of up to 2 feet below existing ocean bottom. No new fill or structures are proposed as part of this project, and no expansion of capacity or services beyond those historically provided are proposed.

B. Alternatives Analysis and Temporary Project Impacts

The preferred alternative for this project (combination methodology) includes mechanical dredging of +/- 7,000 c.y. of sediment with offshore disposal, and hydraulic dredging of +/- 1,000 c.y. of sediment, onsite dewatering, with upland (landfill) disposal. This combination methodology is based upon in-place chemical analysis of sediment proposed to be dredged, as described in Section 4.0 of the attached report. Alternatives to this include a) mechanical dredging and open ocean disposal of all dredged material, b) hydraulic dredging, onsite dewatering, and upland (landfill) disposal of all dredged material, and c) a No-Action alternative. It is believed that the preferred alternative, which employs both hydraulic and mechanical dredging and disposal of dredged material at both open-ocean and upland (landfill) disposal sites based upon the chemical profile of the material is the least environmentally impactful and most efficient means of completing this project. Alternative c), No Action alternative, would limit the use of Marina Bay for its intended purpose and is unacceptable. Alternative b), involving bringing all dredged material to a landfill is not cost-efficient and provides no environmental benefit over the preferred alternative. Only that portion of dredged material deemed unsuitable for open-ocean disposal based on chemical characteristics is proposed to be brought to a local landfill under the preferred alternative. Alternative a), involving open-ocean disposal of all dredge material may not be viable because not all of the dredge material is expected to pass the toxicological testing criteria required by the U.S. Army Corps and U.S. Environmental Protection Agency under Marine Protection Research and Sanctuaries Act of 1972 and Clean Water Act statutes. Should all material tested be deemed suitable for open-ocean disposal, this alternative will be pursued further. Under the preferred alternative, all material which passes biological and chemical testing will be disposed of at an open-ocean disposal site, such as the Massachusetts Bay Disposal Site (MBDS), while the remainder will be brought to a local landfill. Under the preferred alternative, approximately 107,800 s.f. of Land Under the Ocean and Land Containing Shellfish will be temporarily disturbed. No impacts to Salt Marsh or other wetlands are proposed as part of this project.

C. Potential On-Site and Off-Site Mitigation Measures

Measures proposed to reduce environmental impacts resulting from the proposed dredging activities are detailed in Section 4.3 of the attached report, and include installation of erosion control and sediment migration control measures such as hay bales and silt fence around upland dredge material handling areas, suspended siltation curtains around the dewatering fluid discharge point, and the use of settling basins and real time turbidity monitoring during fluid discharge to Marina Bay. No permanent impacts to wetland resource areas are proposed as part of this project, and no off-site mitigation options have been explored at this time.