

Commonwealth of Massachusetts
Executive Office of Environmental Affairs ■ MEPA Office

ENF

Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs
 EOEA No.: 13067
 MEPA Analyst: Deirdre Buckley
 Phone: 617-626-1044

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: Filling of Existing Boat Slip | | |
| Street: 180 MacArthur Drive | | |
| Municipality: New Bedford | Watershed: Buzzards Bay | |
| Universal Tranverse Mercator Coordinates: N: 4 610 400 , E: 0 340 000 | Latitude: 41° 37' 52" Longitude: 70° 55' 12" | |
| Estimated commencement date: 9/03 | Estimated completion date: 12/03 | |
| Approximate cost: 2,400,000 | Status of project design: 57 %complete | |
| Proponent: NSTAR | | |
| Street: One NSTAR Way | | |
| Municipality: Westwood | State: MA | Zip Code: 02090-9230 |
| Name of Contact Person From Whom Copies of this ENF May Be Obtained: Kevin McCune, Senior Environmental Engineer | | |
| Firm/Agency: NSTAR | Street: One NSTAR Way, NE250 | |
| Municipality: Westwood | State: MA | Zip Code: 02090-9230 |
| Phone: 781-441-3808 | Fax: 781-441-3193 | E-mail: kevin_mccune@nstaronline.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. 8983) No
 Yes (EOEA No. 6731)
- 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): **Not Applicable**

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

List Local or Federal Permits and Approvals: **Notice of Intent (City of New Bedford), Individual Section 10 and 404 Permit (ACOE)**

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 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 | 0 | | | |
| New acres of land altered | | 0.2 | | |
| Acres of impervious area | 0 | 0 | 0 | |
| 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 | | | | |
| 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) Description of the Project Site:

The project site is an existing boat slip within New Bedford Harbor and is the location of a historic release of oil and/or hazardous materials (“OHM”) currently being managed under the Massachusetts Contingency Plan (“MCP,” 310 CMR 40.0000). The project site is an existing boat slip located adjacent to property owned and operated by NSTAR. The adjacent property is the location of a former manufactured gas plant (“MGP”) and tar processing facility that operated from the 1880s to the 1960s. Pure phase coal tar was released into the boat slip during off-loading of coal tar from barges to the tar processing facility. The pure phase coal tar is present at thicknesses of up to 10 feet and is the source of intermittent petroleum sheen. To achieve a level of No Significant Risk, as required by the MCP, NSTAR intends to install an impermeable barrier around the pure phase coal tar and fill the boat slip to existing grade.

(b) Description of On-Site and Off-site Alternatives:

Alternatives for achieving a level of No Significant Risk include installation of a soil cap, installation of a HDPE cap, installation of a concrete cap, excavation and off-site disposal, excavation and on-site stabilization, and in-situ stabilization and installation of a Waterloo Barrier and filling the boat slip. The evaluation of remedial action alternatives was conducted

pursuant to 310 CMR 40.0850 and documented in a *Phase III Remedial Action Plan* report dated September 24, 1999. Based upon the results of the Phase III evaluation, NSTAR initially proposed the installation of a concrete cap that would isolate the pure phase coal tar and result in a level of No Significant Risk. Due to concerns regarding potential damage to the cap by boats, tidal effects on the structural stability of the cap, and the fact that this site would be the first time the concrete cap design would be used in water, DEP's Bureau of Waste Site Cleanup ("BWSC") strongly recommended that NSTAR evaluate alternatives to the concrete cap.

Based upon the results of the Phase III evaluation, the most technologically and economically feasible remedial action alternative available was to isolate the pure-phase coal tar using Waterloo Barrier technology and fill the boat slip to grade. The Waterloo Barrier will be constructed of steel sheet piles that have interlocking joints. The sheet piles are driven to depth using standard pile driving methodologies and the joints are filled with bentonite slurry. Upon injection of the bentonite, the hydraulic conductivity between the sheet pile joints will be between 10^{-8} and 10^{-10} cm/s. The low hydraulic conductivity will minimize the potential for OHM to leak from the boat slip after completion of the project. Once the sheet piles are in place, the boat slip will be filled to existing grade. Installation of the Waterloo Barrier and filling of the existing slip will result in achieving a level of No Significant Risk.

(c) Potential On-site and Off-site Mitigation Measures

The project site is isolated on three sides by property operated by NSTAR as a service center, and on the fourth side by the Acushnet River. Although on-site mitigation measures are feasible, off-site mitigation measures were selected as a more appropriate measure. NSTAR will provide the City of New Bedford with shellfish seed to be used to establish a shellfish bed, consistent with the size of the boat slip, at a location to be selected by the City of New Bedford.