



**Environmental
Notification Form**

For Office Use Only
Executive Office of Environmental Affairs

EOEA No.: 13401
MEPA Analyst: Aisling Eglinton
Phone: 617-626-1024

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: Slough Remediation Project		
Street: Mystic Valley Parkway		
Municipality: Medford	Watershed: Boston Harbor/Mystic River	
Universal Transverse Mercator Coordinates: N: 4696593.46192 E: 328357.34521	Latitude: 42d24'09.62803" Longitude: 71d05'08.50802"	
Estimated commencement date: Late 2005	Estimated completion date: 2006	
Approximate cost: 2.8 Million	Status of project design: 90 %complete	
Proponent: General Electric International, Inc.		
Street: 1400 Computer Drive, Suite 100		
Municipality: Westborough	State: MA	Zip Code: 01581
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Samuel Moffett		
Firm/Agency: URS Corporation	Street: 38 Chauncy Street	
Municipality: Boston	State: MA	Zip Code: 02111
Phone: (617) 542-4244	Fax: (617) 542-3301	E-mail: Samuel_Moffett@urscorp.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:

It is anticipated that the project will require an Order of Conditions from the City of Medford, and will undergo City of Medford site plan review. In addition, it is anticipated that the project will require a 404 permit from the US Army Corps of Engineers.

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 (Potential) <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 (including Legislative Approvals) – Specify: ACOE 404-Individual MCZM Consistency DCR/MWRA Permit to Discharge to the DCR Sanitary Sewer and POTW (Potential)
Total site acreage	6.5 Acres			
New acres of land altered		2.9		
Acres of impervious area	N/A	N/A	N/A	
Square feet of new bordering vegetated wetlands alteration		29,800 sf		
Square feet of new other wetland alteration		95,800 sf (LUW)		
Acres of new non-water dependent use of tidelands or waterways		N/A		
STRUCTURES				
Gross square footage	N/A	N/A	N/A	
Number of housing units	N/A	N/A	N/A	
Maximum height (in feet)	N/A	N/A	N/A	
TRANSPORTATION				
Vehicle trips per day	N/A	N/A	N/A	
Parking spaces	N/A	N/A	N/A	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	N/A	N/A	N/A	
GPD water withdrawal	N/A	N/A	N/A	
GPD wastewater generation/treatment	N/A	N/A	N/A	
Length of water/sewer mains (in miles)	N/A	N/A	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 _____) 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 is a remedial action under the Massachusetts Contingency Plan to protect human health and the environment and to eliminate, reduce, and control potential ecological risk associated with classified impacted sediment in a slough adjacent to the Mystic River in Medford. The site location is shown on Figure 1.

The proposed project is a component of a Remedy Implementation Plan (RIP) developed based on the findings of a Phase III Remedial Action Plan (RAP) for a site which includes: 1) a GE Inspection and Repair Service Center located at 3960 Mystic Valley Parkway, 2) storm sewers connecting that location to the slough, and 3) the slough itself. The slough is approximately 850 feet southeast of the GE service shop. Risk assessments conducted for the site under the MCP have concluded that the slough sediments pose no risk to human health risk, but potentially pose an ecological risk. The specific objective for the remedial action in the slough is to remove PCB-impacted sediments to achieve a designation of No Significant Risk.

The slough is in the Mystic River Reservation, which encompasses urban parklands that extend along the banks of the Mystic River. The slough is situated along the river's northern shoreline, south of the Mystic Valley Parkway (Route 16) and west of the Wellington Bridge (Route 28) in Medford. Throughout the 1900s the wetland environment in proximity to the slough was subject to substantial alteration.

Historical topographical maps and aerial photographs illustrate significant disturbance (draining, filling, reconfiguration) of the estuarine wetlands in the surrounding area. The most notable alteration of the slough occurred in the late 1960s or early 1970s when a western channel was excavated. This excavation created an island between the forks of the slough. During this time, many of the marsh habitats of the Mystic River Reservation parklands near the slough were filled. The Mystic River itself was altered in 1966 by construction of the Amelia Earhart dam, 0.7 miles down river from the slough, which effectively stemmed tidal influence to the slough area. Thus, a historically estuarine wetland system at the slough has been converted to a primarily freshwater lentic system.

The presence of PCB-impacted sediments in the slough can be ascribed to the outfall of a Department of Conservation and Recreation (DCR) storm sewer line along Mystic Valley Parkway that discharges to the slough. The referenced DCR storm sewer line, to which GE storm sewer lines are attached, contain sediments impacted with PCBs. This impact can be attributed to two factors: 1) storm water runoff that contained PCB-impacted soil may have flowed to the storm sewer lines, 2) there were historical sewer connections that may have contributed to the PCB concentrations in the storm sewer lines. A Stage II Environmental Risk Characterization found that the PCB concentrations in the slough may pose a potential risk of harm to the environment, as defined in the MCP.