

ENF

Environmental Notification Form

EOEA No.: 12788
 MEPA Analyst: Bill GAGE
 Phone: 617-626-1025

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: Prospect Street Landfill Closure Project		
Street: 114 Prospect Street		
Municipality: Easton	Watershed: Black Brook	
Universal Transverse Mercator Coordinates: 4653100N, 326600E	Latitude: 42° 1' 0" S	Longitude: 71° 5' 50" W
Estimated commencement date: 8/1/2002	Estimated completion date: 6/1/2003	
Approximate cost: \$2.2 million	Status of project design: 25	%complete
Proponent: The Town of Easton		
Street: 136 Elm Street		
Municipality: Easton	State: MA	Zip Code: 02356
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Magdalena Lofstedt		
Firm/Agency: CDM	Street: 1 Cambridge Place 50 Hampshire St	
Municipality: Cambridge	State: MA	Zip Code: 02139
Phone: 617-452-6000	Fax: 617-452-8000	E-mail: lofstedtmh@cdm.com

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)?

Yes

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. _____)

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): 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:

_____ Amendment to existing Order of Conditions (DEP File No. SE 152-806) and existing Permit For Work (File No. Easton 0569) issued under the Town of Easton Wetlands Protection Bylaw (Chapt. 227).

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR .03):

- | | | |
|--|---------------------------------------|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input 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 checked="" 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 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> Corrective Action Design (BWP SW 25)
Total site acreage	54.5 acres			
New acres of land altered		0 acres		
Acres of impervious area	21,000 s.f.	0	21,000 s.f.	
Square feet of new bordering vegetated wetlands alteration		16,000 s.f. (wetland restoration)		
Square feet of new other wetland alteration		0 s.f.		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	2,500 s.f.	0	2,500 s.f.	
Number of housing units	0	0	0	
Maximum height (in feet)	15 feet	0	15 feet	
TRANSPORTATION				
Vehicle trips per day*	0	25-40*	25-40*	
Parking spaces	0	0	0	
WATER/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	

* During Construction Only

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, Priority Sites of Rare Species, or Exemplary Natural Communities?

Yes (Specify _____) No

(See letter sent to Massachusetts Natural Heritage and Endangered Species Program on May 10, 2002, Attachment A)

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

(See letter sent to Massachusetts Historical Commission on May 10, 2002, Attachment A)

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 The Hockomock Swamp Area of Critical Environmental Concern) 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 Prospect Street Landfill Closure Project (the Project) will complete the final capping of the Prospect Street Landfill in accordance with the Administrative Consent Order (ACO) between the Town of Easton and the Massachusetts Department of Environmental Protection, and in compliance with the Solid Waste Management Regulations (310 CMR 19.000).

- a) The Prospect Street Landfill is located off Prospect Street in Easton, Massachusetts (see Figure 1). The entire landfill site is made up of three town owned parcels and encompasses approximately 54.5 acres. The landfill covers approximately 20 acres of the 54.5-acre site. Approximately 10-acres of the site beyond the landfill consists of a N.E. Power Company Easement. The remainder of the site beyond the landfill consists of town operating and storage area along with undisturbed woodland and wetland areas. The site is located adjacent to the Hockomock Swamp and much of the site is bordered by wetlands and streams associated with Hockomock Swamp, which is designated by the Massachusetts Department of Environmental Management (DEM) as an Area of Critical Environmental Concern (ACEC). The site is bordered by Prospect Street to the north, Foundry Street (Route 106) to the northeast and Howard Street properties to the south and west. Figure 2 shows existing site conditions and the limits of proposed work.
- b) A No Action Alternative does not address the potential environmental impacts from the unlined landfill. In addition, the Town of Easton is subject to an ACO from the MA DEP to cap the landfill. For these reasons, the no action alternative was rejected from further consideration.

The Town of Easton began to cap the landfill early in 1999 and due to project delays, insufficient funds, use of improper materials, and subsequent damage to portions of the capping system, the capping project has not been completed to date. After evaluating the condition of the completed work to date, the Town of Easton will now re-cap the landfill to bring the site into compliance with the ACO between the Town and the MA DEP, and the DEP's Solid Waste Regulations (310 CMR 19.000). At a minimum, the landfill capping system will involve placing a six-inch thick layer of sand for gas venting, an HDPE cap, a one-foot

thick layer of drainage sand, and an eight-inch thick layer of vegetative support material (organic rich loam that will be seeded to support dense vegetative cover). The final capping system will include the appropriate stormwater controls.

Proper closure of the existing unlined landfill facility by the installation of a DEP approved landfill capping system is an effective solution for isolating landfilled waste from the surrounding environment, and preventing continued production of leachate. Leachate is the product of rainwater percolating through landfilled waste. As the water passes through the landfill, it can dissolve and mobilize potentially harmful contaminants. By effectively preventing the infiltration of rainwater through waste by installing a cap, the production of leachate declines significantly, thus decreasing the potential for adverse effects to groundwater and surface water over time.

Under this alternative, 100 percent of the landfilled waste will be capped. This alternative was chosen as the most environmentally sensitive, cost-effective measure to reduce the potential of the landfill to contaminate the groundwater and adjacent wetland resource areas and comply with the DEP regulations.

- (c) An erosion and sedimentation control plan is planned to minimize temporary impacts to downgradient wetlands and waterways during the construction phase of the project by minimizing erosion and retaining sediment (see Attachment B). The plan incorporates Best Management Practices (BMPs) specified in guidelines developed by the DEP and the U.S. Environmental Protection Agency and complies with the requirements of the NPDES General Permit for Storm Water Discharges from Construction Activities. All control measures will be installed and maintained in accordance with details that will be provided on design plans and the manufacturer's specifications. Proper implementation of the Erosion and Sedimentation Plan (developed for construction) and the long term Operation and Maintenance Plan will mitigate potential adverse impacts to water quantity and quality, and ensure compliance with federal state and local permit regulations and performance standards.

During the original attempt to cap the landfill, materials were washed from the landfill and have migrated into the wetlands surrounding the landfill (described in the October 11, 2000 report titled "Site Evaluation and Recommended Mitigation" prepared by LEC Environmental Consultants, Inc included in Attachment C). Sediment from landfill capping activities occupies approximately 16,000 square feet of Bordering Vegetated Wetlands along the landfill perimeter. Altered wetland areas will be restored as part of the re-capping of the landfill by removing accumulated sediment to the previous existing grade of the wetlands and seeding with a wetland seed mix (e.g. New England Wetlands Plants, Inc.'s Wet Mix or approved equal). The approximate locations of the wetland restoration areas are shown on Figure 3. The restored areas will be inspected annually for two growing seasons to monitor the establishment of wetland species.

The final capping of the Prospect Street Landfill is of urgent nature to eliminate additional soil erosion off the landfill mound and sediment accumulation in adjacent wetland areas associated with the Hockomock Swamp. Final capping of the landfill will result in several important environmental benefits to the project site and surrounding wetland areas, it will: (1) improve surface water and ground water quality by minimizing continued production of leachate from rain water; and (2) construction of the final landfill cap will stabilize the soil on the landfill mound and thus prevent soil erosion off the landfill mound.