

# Environmental **ENF** Notification Form

<i>For Office Use Only</i> Executive Office of Environmental Affairs	
EOEA No.:	<u>13514</u>
MEPA Analyst:	<u>Rick Bourne</u>
Phone:	617-626- <u>1130</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: Ledge Road Landfill Final Closure & Sports Fields Improvements		
Street: Ledge Road		
Municipality: Andover	Watershed: Fish Brook	
Universal Transverse Mercator Coordinates: 19 03 20 842E 46 86 569N	Latitude: 42 18' 45.57"N Longitude: 71 10' 25.68"W	
Estimated commencement date: June 2005	Estimated completion date: November 2007	
Approximate cost: \$7,000,000	Status of project design: 25% complete	
Proponent: Town of Andover, Department of Public Works		
Street: 397 Lowell Street		
Municipality: Andover	State: MA	Zip Code: 01810
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Magdalena Lofstedt		
Firm/Agency: CDM, Inc.	Street: 50 Hampshire Street	
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  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):

Are you requesting coordinated review with any other federal, state, regional, or local agency?

Yes (Specify \_\_\_\_\_)  No

List Local or Federal Permits and Approvals: NPDES permit – General Permit for Construction Activities, Local Order of Conditions, US Army Corps of Engineers PGP II Approval.

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
<b>LAND</b>				<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 checked="" type="checkbox"/> Other Permits (including Legislative Approvals) – Specify:  <u>Solid Waste Approvals-Corrective Action</u>  <u>Design, Comprehensive Site Assessment, Post-Closure Use Application.</u>
Total site acreage	25.8 acres			
New acres of land altered		0		
Acres of impervious area	0.93 acre	+2 acres	2.93 acres	
Square feet of new bordering vegetated wetlands alteration		250 sf		
Square feet of new other wetland alteration		24,621 sf		
Acres of new non-water dependent use of tidelands or waterways		N/A		
<b>STRUCTURES</b>				
Gross square footage	0	1,000	1,000	
Number of housing units	N/A	N/A	N/A	
Maximum height (in feet)	N/A	N/A	N/A	
<b>TRANSPORTATION</b>				
Vehicle trips per day	330	630 Max. 100 trucks*	300 Max. 100 trucks*	
Parking spaces	110	Phase 1: 61 Phase 2/Full Build Out: 210**	100	
<b>WASTEWATER</b>				
Gallons/day (GPD) of water use	5,480	10,960***	5,480	
GPD water withdrawal	N/A	N/A	N/A	
GPD wastewater generation/treatment	0	2,000	2,000	
Length of water/sewer mains (in miles)	N/A	N/A	N/A	

\*Maximum 100 trucks per day during the landfill closure construction.

\*\* Existing parking lot has 110+ spaces. These will be maintained during Phase 1 construction and in addition 61 temporary parking spaces will be constructed on the southern portion of the landfill site. Once Phase 2 is built the temporary parking area will be converted to DPW storage area.

\*\*\*Water use is for irrigation of the ball fields which are irrigated over a 5-month period.

**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

Based on review of the Natural Heritage and Endangered Species Program (NHESP) Natural Heritage Atlas 11<sup>th</sup> edition dated July 1, 2003, there are no identified habitats of rare wetland species or priority habitats within or near the project location. NHESP stated in a letter dated February 2, 2005, that they are not aware of any rare plants or animals or exemplary natural communities in the immediate vicinity of the Ledge Road Landfill Site (see Attachment B).

**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

Based on review of the 2002 State Register of Historic Places, there are no listings of historic sites or structures within the project area. A letter was sent to the Massachusetts Historical Commission (MHC) on January 21, 2005 requesting review of MHC files. MHC responded on February 14, 2005, stating that the proposed project is unlikely to affect significant historic or archaeological resources (see letter included in Attachment B).

**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 and Site Description:** The Town of Andover is proposing the Ledge Road Landfill Closure & Sports Fields Improvements Project located on Ledge Road in the Town of Andover, Massachusetts. This project will be completed in two phases. Phase I consists of capping the southern portion of the landfill and constructing two replacement baseball fields and a batter's cage and parking on the southern portion (an area currently used by DPW) while maintaining the existing ball fields on the northern portion of the landfill during construction. Phase I is currently being designed. A Site Plan of Phase I is included in Appendix D. Start of construction of Phase I is planned in 2005. Phase II consists of capping the northern portion of the landfill site and constructing the remaining ballfields (two little league ballfields, two multi purpose playing fields, and two beach volleyball courts) and permanent parking. The schedule for Phase II will be based on the availability of the fields constructed in Phase I and funding availability.

The design of this project is being prepared on behalf of the Town of Andover (Town) by Camp Dresser & McKee Inc. (CDM) in accordance with the Massachusetts Solid Waste Management Regulations (310 CMR 19.000) and the Massachusetts Department of Environmental Protection "Landfill Technical Guidance Manual" (Revised May 1997). The landfill is located off Chandler and Ledge Roads just northeast of the intersection of Routes I-93 and I-495 in Andover, Massachusetts as shown on Figure 1, Project Location Map. The 25.8-acre landfill site is owned by the Town of Andover and the landfill site is overseen by the Andover Department of Public Works (DPW). Landfilling operations started in mid-1940's. The site was formerly a quarry/gravel pit that Town ceased operating for waste disposal in 1973. In 1980, a large portion of the northern section of the landfill was covered with soil from the construction of in-Town sites. This 8-acre area is currently used as a series of recreational fields and associated parking for Andover residents. The remaining southern portion of the site is used by the Town for stockpiling and processing of brush and inert materials, including street sweepings and catch basin cleanings. The Town has been providing public water to the homes in the area since the 1980's when a private well on the adjacent property was found to be contaminated potentially by the landfill. Over the past few years, the Town has been working to establish the final configuration for the landfill site including combined public works and recreational uses. Testing to date has found that there was no potential risk to human health, safety, and the environment from continued use of the recreational fields, until a final cap can be constructed.

**(b) Alternatives:** The Town has completed the environmental assessment for the landfill site. The conclusion of this assessment is that capping of the site with the standard cap required by the MA DEP Solid Waste Management Regulations (310 CMR 19.000) is appropriate for regulatory compliance and protection of human health, safety and the environment for both the surrounding areas and the continued public use of the site. Four alternatives have been evaluated: 1) Capping with reuse - Alternative 1: Phased Approach with Phase I consisting of capping the southern portion of the landfill and constructing two replacement ball fields and parking on the southern portion (the area currently used by DPW) while maintaining the existing ball fields on the northern portion of the landfill during construction. Phase II consists of capping the northern portion of the landfill site and constructing the remaining ball fields and permanent parking. 2) Capping with reuse - Alternative 2: Construct complete facility as a single project while keeping existing ball fields as long as possible to limit field downtime. The other potential alternatives considered include 3) Capping with no reuse; and 4) No-Action alternative. Capping with reuse - Alternative 1 is the preferred alternative since it maintains the existing ballfields as long as possible. The "no action" alternative does not comply with DEP regulations as the inactive landfills would not be capped. The option of capping with no reuse does comply with DEP standards, but it does not allow the Town to construct much-needed new or maintain existing recreational facilities nor maintain necessary DPW uses currently conducted on the site.

**(c) Mitigation Measures:** 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 Wetlands Section). 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. This project will permanently impact app. 24,621 sq. ft. of an isolated wetland area located along the northeastern boundary of the landfill near Ledge Road and app. 250 sq. ft. of a Bordering Vegetated Wetland (BVW) at the south corner of the site. Filled wetland areas will be replicated for at a minimum of 1:1 ratio. A more detailed discussion of the proposed wetland mitigation measures is presented in the attached Wetlands narrative. 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; (2) construction of the final landfill cap will stabilize the soil on the landfill mound and thus prevent soil erosion off the landfill mound, (3) provide controls for stormwater runoff, and (4) control the migration of landfill gases.