

<i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i>	
EOEA No.:	13150
MEPA Analyst:	Bill Page
Phone: 617-626-	1025

ENF Environmental Notification Form

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: Templeton Sanitary Landfill Expansion		
Street: King Phillip Trail (State Route 202)		
Municipality: Templeton	Watershed: Millers	
Universal Transverse Mercator Coordinates: 738442E, 4718792N	Latitude: 42° 35 ' 11.9" N	Longitude: 72° 05' 39.18 W
Estimated commencement date: Spring 2004	Estimated completion date: Spring 2018	
Approximate cost: \$13,000,000.00	Status of project design: 20% complete	
Proponent: Town of Templeton Board of Health, c/o Richard Stevens		
Street: 9 Main Street		
Municipality: Baldwinville	State: MA	Zip Code: 01436
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Nancy Marshall		
Firm/Agency: Lynnfield Engineering, Inc.	Street: 199 Newbury Street, Suite 115	
Municipality: Danvers	State: MA	Zip Code: 01923
Phone: (978) 777-7250, ext 11	Fax: (978) 777-8650	E-mail: nmarshall@lynnfieldeng.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): None

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

List Local or Federal Permits and Approvals:

Town of Templeton: Permit for Removal of Sand and Gravel; Notice of Intent; Building Permit; Well Permit; Disposal System Construction Permit (310 CMR 15, Title 5); Blasting Permit (527 CMR 13.00)

Federal: USEPA: NPDES Permit; Stormwater Pollution Prevention Plan Approval; NSPS Subpart WWW Compliance Demonstration; FAA: Airspace Review

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- | | | |
|--|---------------------------------------|--|
| <input checked="" 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 checked="" 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 type="checkbox"/> Chapter 91 License <input type="checkbox"/> 401 Water Quality Certification <input checked="" 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> <u>MEPA:</u> Environmental Notification Form; Single Environmental Impact Report; <u>DEP CERO:</u> Application for Expanded Solid Waste Management Facility; Authorization to Construct; Authorization to Operate; Non-Major Comprehensive Air Plan Approval Application; Landfill Disruption Permit; WW Holding Tank Certification; <u>Mass Aeronautics Commission:</u> Airspace Review
Total site acreage	61.2			
New acres of land altered		17.5		
Acres of impervious area	12.9	11.6	24.5	
Square feet of new bordering vegetated wetlands alteration		367		
Square feet of new other wetland alteration		4602		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	1196	534	1730	
Number of housing units	0	0	0	
Maximum height (in feet)	< 20	0	< 20	
TRANSPORTATION				
Vehicle trips per day (Weekday)	0	302	302	
Vehicle trips per day (Saturday)	600	182	782	
Parking spaces	0	10	10	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	0	0	
GPD wastewater generation/treatment (1) Average Annual Leachate Generation; (2) Title 5 Subsurface Disposal	0	15,200 ⁽¹⁾ 275 ⁽²⁾	15,200 ⁽¹⁾ 275 ⁽²⁾	
Length of water/sewer mains (in miles)	0	0	0	

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 Templeton Sanitary Landfill site encompasses 61.2 acres in the north-central portion of The Town of Templeton (Town), Massachusetts, south of King Phillip Trail (State Route 202). The property is Site Assigned for landfill purposes and contains a 12-acre municipal solid waste landfill that was capped and closed in 1996. The facility is currently performing post-closure monitoring. The remainder of the site consists of unmanaged woodlands, approximately 7.3 acres of former sand and gravel mining operations and storage areas for a limited recycling program. One perennial stream, Crow Hill Brook, and its associated Riverfront Area, cross the northern portion of the site. Wetland Resource Areas are present along Crow Hill Brook and in the northwest and southeast corners of the property. Surrounding properties are undeveloped.

The proposed project consists of an expansion to the Templeton Sanitary Landfill performed under an agreement between the Town and New England Waste Services of Massachusetts, Inc. (NEWS). The decision to expand the landfill on the existing Site Assigned property followed a year of evaluation by the Templeton Board of Health of alternative approaches to manage the Town's solid waste, wastewater treatment plant sludge and recyclables in the most environmentally sound, financially prudent manner. The alternative to the Proposed Project is the No-Build Alternative, in which the existing waste boundary would be maintained and post-closure activities would continue at the facility. The Town would continue to incur post-closure costs at the landfill. Recycling would continue on the limited basis currently offered to residents. Residents currently contract privately for curbside waste collection services, and waste is hauled away for disposal. The existing landfill is in compliance with applicable regulations; however, the closed landfill is unlined, adjacent to wetlands, and in close proximity to groundwater. Thus, the existing landfill is a potential liability for the Town.

The Preferred Alternative will allow the Town to utilize the existing Site Assignment to develop a modern state-of-the-art municipal solid waste landfill, relocate landfilled material previously disposed in the unlined area to the new double composite lined area as feasible, and expand the solid waste management services offered within the Town. Construction and operation of the landfill will:

- Assist the town by providing a long-term solid waste management program;
- Increase recycling opportunities to residents;
- Provide a regional facility to meet the needs and goals of the regional service area;
- Assist the Commonwealth in meeting the Solid Waste Master Plan Goals; and,
- Provide revenue to the Templeton Board of Health Enterprise Fund for environmental projects.

The project includes a feasibility assessment of energy generation from harnessing future landfill decomposition gases in cooperation with the Templeton Water & Light Board.

The Proposed Project has been designed to minimize impacts to the surrounding area. The landfill will be designed in accordance with 310 CMR 19.00, Solid Waste Management Facility, and applicable DEP guidance documents. The new limits of waste will adhere to the setback requirements from wetlands and perennial streams provided in 310 CMR 19.038, Criteria for Review of Applications for a Permit or Permit Modification. Stormwater management and erosion control systems will be constructed to reduce or eliminate adverse impacts on the surrounding land from construction and operation of the landfill. Projected traffic volumes resulting from the project do not alter the Level of Service on the surrounding roadways. Improvements will be made to the site access road and intersection with King Phillip Trail to mitigate the impacts from the increased traffic volumes. A landfill gas collection and management system will be designed and constructed to mitigate air quality impacts from the landfill. Mobile source emissions predicted for the project only slightly raise the existing background concentrations and are well below air quality standards.

The proposed project will reduce existing environmental impacts at the site. Landfilled waste infringing on wetland setbacks will be removed and reclaimed for beneficial use or relocated to the new lined area, as feasible and approved by DEP. The existing stormwater controls for the closed landfill consist of terrace swales and riprap perimeter drains which discharge directly to the surrounding wetlands. The proposed stormwater management system incorporates detention basins that will reduce the discharge velocities into the wetlands as compared to existing discharge rates.

The Templeton Water Department is currently contracting for a Zone II Delineation for the Town water supply wells, scheduled for completion in December 2003. The existing Zone II area within the Town is based on a conceptual delineation that covers three quarters of the land mass in Templeton, including the landfill site. Based on a review of the conceptual delineation and the methods used therein, more recent computer simulations, and a site-specific hydrogeologic study, the approved Zone II is believed to grossly overstate the actual limits of the Zone II. The Town believes that the Zone II delineation will be substantially reduced, and the landfill will be located well outside of the Zone II. No other restrictions to development have been identified at the site beyond protected Wetland Resource Areas and Riverfront Areas, which have been excluded from the waste management areas.