

Commonwealth of Massachusetts
Executive Office of Environmental
Affairs ■ MEPA Office

ENF Environmental
Notification Form

<i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i>	
EOEA No.:	<u>14407</u>
MEPA Analyst:	<u>Bill GAGE</u>
Phone:	<u>617-626-1025</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: Town of Sturbridge Comprehensive Wastewater Management Plan (CWMP) and Wastewater Treatment Plant Upgrade		
Street: n/a		
Municipality: Sturbridge	Watershed: Quinebaug	
Universal Transverse Mercator Coordinates: 151,531.980 872,851.697 Meters	Latitude: 72°5'9.56"W Longitude: 42°6'16.493"N	
Estimated commencement date: Phase 1: April 2009 CWMP: TBD	Estimated completion date: Phase 1: April 2011 CWMP: TBD	
Approximate cost: Phase 1: \$20 million CWMP: \$16.7 million	Status of project design: Phase 1: 90% complete, CWMP: 50% complete	
Proponent: Town of Sturbridge, Department of Public Works		
Street: P.O. Box 182		
Municipality: Sturbridge	State: MA	Zip Code: 01566
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Briony Angus		
Firm/Agency: Tighe & Bond	Street: 53 Southampton Road	
Municipality: Westfield	State: MA	Zip Code: 01085
Phone: 413-875-1302	Fax: 413-562-5317	E-mail: bangus@tighebond.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

#11592 Cedar Lake Sewers
#11327 Sturbridge Phase II and Technology Park Sewer Extensions

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): Phase 1 of the project involves Clean Water State Revolving Fund (SRF) and Rural Development (RD) financing. Projects implemented as part of the CWMP may include Clean Water SRF funding or other financial assistance.

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

Yes (Specify _____) No

List Local or Federal Permits and Approvals:

Phase 1 of the project requires the following permits: Department of Environmental Protection, BRP WP 68 - Treatment Works Plan Approval; a NPDES Construction General Permit; and an Order of Conditions from the Sturbridge Conservation Commission pursuant to the Town of Sturbridge Local Wetlands Bylaw.

The following permits may be required for projects implemented as part of the CWMP: NPDES Construction General Permit, Order of Conditions, review pursuant to Section 401 and/or 404 of the Clean Water Act, MADEP Sewer Extension Permit, Natural Heritage and Endangered Species Program (NHESP) review, Massachusetts Historical Commission (MHC) review, and/or others to be determined.

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

Phase 1 of the project does not meet any MEPA review thresholds. The CWMP meets EIR thresholds for wastewater. The CWMP project may also exceed other MEPA review thresholds to be determined. The CWMP project is subject to the MEPA Greenhouse Gas Emissions Policy.

- | | | |
|---------------------------------|--|--|
| <input type="checkbox"/> Land | <input type="checkbox"/> Rare Species | <input type="checkbox"/> Wetlands, Waterways, & Tidelands |
| <input type="checkbox"/> Water | <input checked="" 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 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 checked="" type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit
Total site acreage	Town:			
New acres of land altered		CWMP: TBD Phase 1: 3.06 acres +/-		
Acres of impervious area	CMWP: n/a Phase 1: 27,183 sf	CWMP: TBD Phase 1: 21,305 sf +/-	CWMP: TBD Phase 1: 48,488 sf +/-	
Square feet of new bordering vegetated wetlands alteration		CWMP: TBD Phase 1: 0		
Square feet of new other wetland alteration		CWMP: TBD Phase 1: 0		
Acres of new non-water dependent use of tidelands or waterways		CWMP: TBD Phase 1: 0		
STRUCTURES				

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

Phase 1: Phase 1 project site **does not** include any Estimated or Priority Habitat of rare species. CWMP: The Town of Sturbridge includes several areas of Estimated and Priority Habitat. Please refer to Figure 3-6 in the draft CWMP. An information request has not yet been submitted to NHESP.

HISTORICAL /ARCHAEOLOGICAL RESOURCES: Does the project site include any structure, site or district listed in the State Register of Historic Places or the Inventory of Historic and Archaeological Assets of the Commonwealth?

Yes (Specify _____) No

Phase 1: No

CWMP: TBD. Please refer to Table 3-9 in the draft CWMP for a list of historic resources listed on the State Registry of Historic Places.

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.)

Over the last 30 years the Town of Sturbridge has been implementing a Wastewater Master Plan established by a 1978 Sewer Planning Study. During this time the Town has constructed nearly 41 miles of sewer, 10 pump stations, and a 0.75 million gallons per day (MGD) wastewater treatment plant (WWTP). Much of this work has addressed septic system problems, enhanced water quality and fostered economic growth.

In recent years, as the final elements of the 1978 planning study have been implemented, the Town has re-visited previous planning efforts to develop a wastewater master plan for the next 20 years. The draft Comprehensive Wastewater Management Plan (CWMP) submitted as part of this Expanded Environmental Notification Form (EENF) is the first step in a process that will evaluate existing conditions, identify wastewater needs, and propose solutions to any identified needs.

A number of wastewater management problems and challenges have shaped the Sturbridge CWMP planning process including:

- Degraded surface water quality in local lakes and rivers;
- Insufficient capacity at the Town's Wastewater Treatment Plant (WWTP) to support current needs;
- Rapid population growth;
- Poor soils and septic system failures; and
- Increasingly stringent National Pollutant Discharge Elimination System (NPDES) permit limits.

The draft CWMP evaluates these issues on a town-wide basis, with the goal of establishing a wastewater master plan that addresses the Town's needs for the next 20 years. Specifically, the draft CWMP has been undertaken for the following reasons:

- To evaluate and plan for the impacts of community growth on existing wastewater management systems over the next 20 years.
- To upgrade the Sturbridge WWTP to handle future flows and loads.
- To address more stringent NPDES effluent limits in the current permit.
- To evaluate and quantify infiltration and inflow conditions within the existing sanitary sewer collection system.
- To evaluate the feasibility of on-site sewage disposal options for future growth areas and existing un-sewered areas with failing systems.
- To evaluate alternatives to traditional surface water disposal methods, including groundwater disposal and water reuse, with the intent of minimizing any increased discharge to the Quinebaug River.
- To review available regional disposal options.

Please refer to the Project Narrative included in Section 2 of the EENF submission for an overview of the draft CWMP, additional discussion of existing wastewater infrastructure in Sturbridge, and a summary of the draft CWMP Recommended Plan. A copy of the draft CWMP is attached to this EENF as Appendix F.

The Recommended Plan presented in the draft CWMP draws upon an evaluation of existing conditions, demographics, needs analysis, and alternative technologies to develop a wastewater master plan that will address the Town’s needs for the next 20 years. One recommendation included in the draft CWMP is an upgrade of the existing WWTP, which is located off of New Boston Road Extension, adjacent to Route 84 and the Quinebaug River. The facility treats wastewater generated in portions of the Town and discharges treated effluent to the Quinebaug River under NPDES Permit No. MA0100421. As indicated in the draft CWMP and attached Pilot Testing Report for BioMag treatment technology, the Proponent is proposing to upgrade the WWTP to replace aging and obsolete equipment and to meet NPDES permit effluent limits.

The Town is seeking approval from the Secretary for a Phase 1 Waiver that would allow it to undertake the WWTP upgrade project in advance of completing MEPA review on the CWMP. Please refer to Section 3 of the EENF submission for a description of the proposed WWTP upgrade and a discussion of how the project meets the criteria for a Phase 1 Waiver outlined in Section 11.11(1) and (4) of the MEPA regulations.

LAND SECTION – all proponents must fill out this section

I. Thresholds / Permits

A. Does the project meet or exceed any review thresholds related to **land** (see 301 CMR 11.03(1))
 ___ Yes ___ No; if yes, specify each threshold:

Phase 1: No
CMWP: TBD

II. Impacts and Permits

A. Describe, in acres, the current and proposed character of the project site, as follows:

Phase 1:

	<u>Existing</u>	<u>Change</u>	<u>Total</u>
Footprint of buildings	5,618 sf	3,500 sf	9,118 sf
Roadways, parking, and other paved areas	21,565 sf	17,805 sf	39,370 sf
Other altered areas (describe)	0	0	0
Undeveloped areas	0	0	0