

**ENF Environmental Notification Form**

*For Office Use Only*  
*Executive Office of Environmental Affairs*  
 EOE No.: **13388**  
 MEPA Analyst: **Nick Zavolas**  
 Phone: 617-626-**1030**

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.

<b>Project Name: Town of Mansfield, Comprehensive Wastewater Management Plan, Phase 1 (CWMP)</b>		
<b>Street: Townwide</b>		
<b>Municipality: Mansfield and Norton</b>	<b>Watershed: Taunton River (Wading River/Hodges Brook, Rumford River, Cando River, Three Mile River) Ten Mile River (Bungay River)</b>	
<b>Universal Transverse Mercator Coordinates:</b> <b>Mansfield: 190317859 E 4652268 N</b> <b>Norton: 190322279 E 4646321 N</b>	<b>Mansfield: Latitude 42°00'12.62" N</b> <b>Longitude 71°11'57.13" W</b> <b>Norton: Latitude 41°57'03.32" N</b> <b>Longitude 71°08'39.62" W</b>	
<b>Estimated commencement date: TBD</b>	<b>Estimated completion date: TBD</b>	
<b>Approximate cost: TBD</b>	<b>Status of project design: 0 %complete</b>	
<b>Proponent: Town of Mansfield</b>		
<b>Street: Six Park Row</b>		
<b>Municipality: Mansfield</b>	<b>State: MA</b>	<b>Zip Code: 02048</b>
<b>Name of Contact Person From Whom Copies of this ENF May Be Obtained:</b> <b>Bryon Clemence, P.E</b>		
<b>Firm/Agency: CDM</b>	<b>Street: 50 Hampshire Street</b>	
<b>Municipality: Cambridge</b>	<b>State: MA</b>	<b>Zip Code: 02139</b>
<b>Phone: 617-452-6594</b>	<b>Fax: 617-452-8594</b>	<b>E-mail: clemencebs@cdm.com</b>

**TBD indicates information to be determined during Phase 2 of the CWMP.**

Does this project meet or exceed a mandatory EIR threshold (see 301 CMR 11.03)? **TBD**  
 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. See below)  No

**MEPA filings related to the Mansfield wastewater system or the airport site are EOE No. 3806, 4046, 5901, 7069, 8779, 9859, 11887, 12238 and 12749.**

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): **DEP Clean Water State Revolving Loan Fund; amount TBD**

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

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

List Local or Federal Permits and Approvals: **TBD based on the recommended alternative.**

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

- Land
- Water
- Energy
- ACEC

- Rare Species
- Wastewater
- Air
- Regulations

- Wetlands, Waterways, & Tidelands
- Transportation
- Solid & Hazardous Waste
- Historical & Archaeological Resources

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
<b>LAND</b>				<input 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 <input type="checkbox"/> Other Permits <i>(including Legislative Approvals) – Specify:</i>  <b>Other permits will be determined based on the recommended alternative.</b>
Total site acreage	TBD			
New acres of land altered		TBD		
Acres of impervious area	TBD	TBD	TBD	
Square feet of new bordering vegetated wetlands alteration		TBD		
Square feet of new other wetland alteration		TBD		
Acres of new non-water dependent use of tidelands or waterways		TBD		
<b>STRUCTURES</b>				
Gross square footage	37,000	TBD	TBD	
Number of housing units	0	0	0	
Maximum height (in feet)	50	TBD	TBD	
<b>TRANSPORTATION</b>				
Vehicle trips per day	60	TBD	TBD	
Parking spaces	15	TBD	TBD	
<b>WATER/WASTEWATER</b>				
Gallons/day (GPD) of water use	2,200,000	TBD	TBD	
GPD water withdrawal	0	0	0	
GPD wastewater generation/ treatment – <b>Water Pollution Control Facility only</b>	1,450,000	TBD	TBD	
Length of water/sewer mains (in miles)	56	TBD	TBD	

**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?

**TBD; see the Land Section of the ENF for more information.**

Yes (Specify \_\_\_\_\_)  No **TBD**

Will it involve the release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction?

Yes (Specify \_\_\_\_\_)  No **TBD**

**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 **TBD; see the Rare Species Section of the ENF for more information.**

**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?

**TBD; see the Historical and Archaeological Section of the ENF for more information.**

Yes (Specify \_\_\_\_\_)  No **TBD**

If yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources?

Yes (Specify \_\_\_\_\_)  No **TBD; these resources will be avoided as much as possible.**

**AREAS OF CRITICAL ENVIRONMENTAL CONCERN:** Is the project in or adjacent to an Area of Critical Environmental Concern?

Yes (Specify: Canoe River Aquifer, Watson Pond, and Lake Sabbatia ACEC)  No

**Portions of this ACEC are located in Mansfield, Norton and Foxborough. The existing interceptor pipeline between Mansfield and the WWTP in Norton is adjacent to this ACEC. See Section 2.3 of the Phase 1 report for more information.**

**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 Town of Mansfield is preparing a Comprehensive Wastewater Management Plan (CWMP). The purpose of the plan is to evaluate existing sewer use, define future needs, and develop a 20-year wastewater program that protects the environment, as well as public health, and promotes public participation. Part of the CWMP process is the submittal of an Environmental Notification Form (ENF) to the Massachusetts Executive Office of Environmental Affairs.

The Town of Mansfield owns and operates the Mansfield Water Pollution Control Facility (WPCF) that is located in the neighboring Town of Norton (shown on the figure in Attachment 1). The average day design capacity of the facility is 3.14 million gallons per day (mgd) and the treated effluent is discharged to the Three Mile River. The town currently shares the capacity of the WPCF with the Towns of Foxborough and Norton. The allocation of wastewater flow capacity to Foxborough and Norton is 0.65 mgd and 0.50 mgd, respectively. This leaves 1.99 mgd for Mansfield's use.

Over the next 20 years, Mansfield's population is projected to grow by over 7,000 people. In addition, substantial industrial and commercial growth is anticipated, especially along the interstate Route 495 corridor. This projected growth would require additional wastewater treatment capacity of a minimum of 400,000 gpd above the town's current capacity of 1.99 mgd.

Approximately 45 percent of the town has sewers, the majority of which were constructed in the 1930s. The remaining portion of the town relies on on-site wastewater disposal systems (i.e., septic systems). New sewers are planned in some parts of town to fill in areas near existing sewers and in areas where there are significant concerns regarding failed septic systems. However, the large-scale construction of new sewers is not anticipated.

The Massachusetts Department of Environmental Protection (DEP) has verbally informed the town that the effluent discharge to the Three Mile River cannot exceed the present 3.14 mgd design capacity of the WPCF. Future effluent over 3.14 mgd will need to be land applied or reused. DEP has also indicated to town officials that Mansfield needed to start updating its CWMP or no additional sewer extension permits would be issued. DEP is a party to the CWMP process and has encouraged Mansfield, Norton and Foxborough to work together in developing their plans. The three towns have been sharing information as each is in the CWMP process. They are scheduling a regional meeting for November 2004 to discuss their latest plans.

In addition, the Town of North Attleboro completed its CWMP in 1999. One of its proposals was that the Lake Greenwood (locally referred to as Bungay Lake) area of Mansfield could potentially be connected to the North Attleboro wastewater treatment plant. The Town of Easton is currently preparing a CWMP, and one alternative being evaluated is to connect part of the town to the Mansfield sewer system. Coordination with both of these towns will be important as Mansfield proceeds with its CWMP. Regional solutions are discussed further in Section 7.2 of the Phase 1 CWMP report (Attachment 4).

To address its growing wastewater treatment and disposal demands, Mansfield has completed Phase 1 of its CWMP and this ENF. With both local and regional needs in mind, the town has identified the following preliminary alternatives, which are discussed further in Section 7 of the Phase 1 report:

- A. Provide no additional wastewater treatment and effluent disposal capability beyond the existing 1.99 mgd flow capacity. The town would need to manage or restrict future flow connections to stay within the limits of the existing WPCF. Any additional treatment capacity would have to be handled by private treatment facilities throughout town, or development would need to be prohibited by zoning.
- B. Construct a new 400,000 gpd satellite wastewater treatment facility at the former Mansfield WWTF site, the adjacent Mansfield Municipal Airport site, or a privately owned site that abuts Fruit Street and the main interceptor pipeline. Potential land application or reuse sites include the TPC golf course, the Mansfield airport property or other potential nearby sites.
- C. Expand the existing WPCF to provide the projected capacity needed only for Mansfield. Potential land application or reuse sites include those noted for Alternative B.
- D. Expand the existing WPCF to provide the projected capacity for Mansfield and for Norton. Evaluate additional land application or reuse sites along the interceptor pipeline route in Norton to supplement those sites noted for Alternative B.
- E. Expand the existing WPCF to provide the projected capacity for Mansfield, Norton, and Foxborough for a total estimated expansion of up to 1.23 mgd. Evaluate additional land application or reuse sites in Norton and Foxborough. Also evaluate regional options with these communities such as capacity buy-back from existing customers should these communities construct their own treatment and disposal facilities.

In addition to the implementation of one or more of the above alternatives, the continued use of conventional Title 5 and/or Innovative and Alternative (I/A) onsite systems will also be part of the recommended plan for long-term wastewater treatment and disposal. I/A technologies generally provide substitutes for one or more of the components of a conventional wastewater treatment system while providing an improved degree of environmental and health protection. I/A technologies are approved by DEP through a three-tiered approval process.

In Phase 2 of the CWMP, the five alternatives will be evaluated to identify the most cost effective and environmentally beneficial one to meet future wastewater treatment and disposal needs. This will include a more detailed evaluation of design, construction, operation and maintenance, environmental, and other implementation factors. The scope of work for Phase 2 is described in Section 8 of the Phase 1 report.

Public participation completed to date is discussed at the end of the Executive Summary of the Phase 1 report. The Phase 1 CWMP findings were presented at a public meeting in Mansfield Town Hall on October 7, 2004.