

**ENF Environmental Notification Form**

*For Office Use Only*  
*Executive Office of Environmental Affairs*  
 EOE No.: 14283  
 MEPA Analyst: NICK ZAVALAS  
 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.

Project Name: Comprehensive Wastewater Management Plan		
Street: 365 Boston Road		
Municipality: Billerica	Watershed: SuAsCo	
Universal Transverse Mercator Coordinates:	Latitude: 42.558 Longitude: 71.269	
Estimated commencement date: March 2007	Estimated completion date: May 2009	
Approximate cost: \$700,000	Status of project design: 33 %complete	
Proponent: Town of Billerica Department of Public Works		
Street: 365 Boston Road		
Municipality: Billerica	State: MA	Zip Code: 01821
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Rosemary T. Blacquier		
Firm/Agency: Woodard & Curran	Street: 980 Washington Street, Suite 325	
Municipality: Dedham	State: MA	Zip Code: 02026
Phone: 781-251-0200	Fax: 781-251-0847	E-mail: rblacquier@woodardcurran.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. 11804-Contract 31 EOE 10678 contract 29-No EIRs required)  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): MA State Revolving Fund in amounts to be determined

Are you requesting coordinated review with any other federal, state, regional, or local agency?  
 Yes (Specify MADEP under the current Comprehensive Water Resource Management Guidelines)  No

List Local or Federal Permits and Approvals: to be determined

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03): *The EIR thresholds will be evaluated in the CWMP because the final project(s) has not been fully determined and has the potential to meet the following:*

- |                                 |  |   |
|---------------------------------|--|---|
| <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 checked="" 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 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>  <i>Permits to be determined based on final outcome of CWMP.</i>  <i>Phase I Waiver will require the following:</i> -NOI with local Conservation Commission -Sewer Extension Permit from MADEP -Massachusetts Bay Transportation Authority Application for Entry upon MBTA Railroad, Transit, or Other Authority
Total site acreage	16,960			
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		N/A		
<b>STRUCTURES</b>				
Gross square footage	N/A	N/A	N/A	
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	N/A	N/A	N/A	
Parking spaces	N/A	N/A	N/A	
<b>WATER/WASTEWATER</b>				
Gallons/day (GPD) of water use	4.72 MGD	0	4.72 MGD	
GPD water withdrawal	5.31 MGD	0	5.31 MGD	
GPD wastewater generation/ treatment	4.31 MGD	114,000 Phase I Waiver	4.42 MGD	
Length of water/sewer mains (in miles)	Approx. 185	+5 Phase I Waiver	190	

**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 *None known at this time*

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

Yes (Specify \_\_\_\_\_)  No *None known at this time*

**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 *None known at this time. Refer to Attachment 7 for correspondence to and from The US Fish & Wildlife Service relating to this Project*

**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 *Phase I Waiver proposes to cross Middlesex Canal*)  No *None known at this time. Refer to Attachment 8 for correspondence to and from Massachusetts Historical Commission relating to the CWMP Project See Section 2 for description of proposed sewer crossing.*

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.)

**a) Project Description**

*In March 2007, the Town of Billerica retained Woodard and Curran to begin a phased Comprehensive Wastewater Management Plan (CWMP), with the first step being a Phase I Needs Analysis, which includes an alternatives analysis and preliminary site selection and a Comprehensive Plant Evaluation (CPE) of the Letchworth Avenue Wastewater Treatment Facility (WWTF). The WWTF is currently undergoing COMag design (addition of a proprietary treatment technology) due to phosphorous concerns in the SuAsCo Watershed, specifically WWTF discharge in Billerica to the Concord River. The design, funded through the CY 2008 Massachusetts State Revolving Fund, is due to go to bid approximately the same time as this ENF filing.*

*The CWMP begins the Townwide wastewater planning process, taking into consideration a 20-year planning period for identifying needs for wastewater management, both off site and on-site wastewater solutions, infrastructure needs, wastewater treatment facility needs, upgrades and management to collection system capacity as identified in the CPE completed for the Letchworth Avenue WWTF attached hereto, as well as an overall Capital Improvement Plan (CIP) for the total overall Plan. The CWMP also takes into consideration the 1999 Sewer Master Plan, which is incorporated into the continuing planning process of the CWMP.*

*The following chronology details the historic MEPA process undertaken by Billerica in its sewer system design process:*

- 8/10/90 EIR prepared for Town-wide Master Plan Process;
- 4/8/92 ENF for Contract 27 – No EIR required;
- 5/10/96 ENF for Contract 29 – No EIR required;
- 12/24/98 ENF for Contract 31 – No EIR required, but MEPA suggests Town-wide complete planning process;
- 5/1999 Sewer Master Plan completed;
- 2000-2003 Contracts 32 and 33 completed, based on Notices of Project Change (NPC) filed June 2001 and November 2002 – No EIRs required;
- 2007 Town initiates CWMP following DEP protocol;
- 2007 Contract 34A Sewer Extension Permit approved by DEP;
- 2007-2008 Contract 34A sewer design and construction completed (3.22 miles);
- 2007-2008 Contract 34B design (5.87 miles)
- 1/2008 Contract 34B requires MEPA review before DEP issuance of Sewer Extension Permit;
- 3/2008 MEPA meeting to review status of remaining sewer design projects from 1999 Sewer Master Plan and CWMP discussion;
- 4/2008 DEP/NERO meeting to review status of remaining sewer design projects , from 1999 Sewer Master Plan and CWMP, CPE discussion;
- June 2008 Pre-ENF filing meeting with MEPA and DEP (projected); and
- July 2008 ENF filing with CWMP, CPE, and 1999 Sewer Master Plan, Area 18, Contract 34B Phase I Waiver.

*The first step in the final sewer planning process for the Town of Billerica is this Environmental Notification Form (ENF), which includes a Phase I Needs Analysis (Alternative Analysis and Preliminary Site Selection), the Comprehensive Plant Evaluation (CPE) of the Letchworth Avenue Wastewater Treatment Facility (WWTF), and Contract 34B Phase I Waiver. The CWMP is intended as a multi-year planning process that will identify the Town's wastewater needs, provide an alternatives analysis to meet the identified needs, and provide both a draft and final recommended plan and environmental analyses in order to meet the Town's long-range wastewater planning needs. This CWMP is proposed as a three-phase process combining the Phase I Needs and Alternatives Analysis with the CPE and the Phase I Waiver for Contract 34B. The CWMP is proposed, as follows:*

- I. *Phase I - Needs Analysis, including an Alternatives Analysis and Site Selection; CPE and on-going CoMag design upgrade to the WWTF; Phase I Waiver for Contract 34B from 1999 Sewer Master Plan.*
- II. *Phase II – Draft Recommended Plan and Draft Environmental Impact Report (if determined as necessary through this MEPA process); and*
- III. *Phase III – Final Recommended Plan and Final Environmental Impact Report (if determined as necessary through this MEPA process).*

*The Executive Summaries from the CWMP Phase I and CPE are included in Attachment 9 and provide a more detailed description of each project included in this ENF.*

***b) Project Site(s)***

*The Project site includes the entire Town, including the Letchworth Avenue WWTF, plus the continuation of the 1999 Sewer Master Plan sites, specifically Need Area 18, Contract 34B. Refer to maps in Attachments 1 and 2.*

***c) Potential on-site and off-site mitigation measures***

*The potential on-site and off-site mitigation measures will be determined as the CWMP evolves through subsequent phases and based on potential adverse impacts to be identified.*