

**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.:	<b>13088</b>
MEPA Analyst:	<b>Janet Hutchins</b>
Phone: 617-626-	<b>1023</b>

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: <b>CWMP- Wastewater Facilities project</b>		
Street: <b>Major Connecting Streets: Main Street, Lexington Road, Old Bedford Road, Sudbury Road, Powder Mill Road</b>		
Municipality: <b>Concord</b>	Watershed: <b>Concord River</b>	
Universal Transverse Mercator Coordinates: <b>NAD 27 N4702164.856/E308116.195</b>	Latitude: <b>42°27'00"</b>	Longitude: <b>71°20'00"</b>
Estimated commencement date: <b>7/2003</b>	Estimated completion date: <b>5/2011</b>	
Approximate cost: <b>\$26,300,000</b>	Status of project design:	<b>10 %complete</b>
Proponent: <b>Town of Concord</b>		
Street: <b>133 Keyes Road</b>		
Municipality: <b>Concord</b>	State: <b>MA</b>	Zip Code: <b>01742</b>
Name of Contact Person From Whom Copies of this ENF May Be Obtained: <b>Susan Clark</b>		
Firm/Agency: <b>Concord Water/Sewer Division</b>	Street: <b>135 Keyes Road</b>	
Municipality: <b>Concord</b>	State: <b>MA</b>	Zip Code: <b>01742</b>
Phone: <b>(978) 318-3250</b>	Fax: <b>(978) 318-3204</b>	E-mail: <b>sclark@concordnet.org</b>

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. 5090 Fac. Plan)**  **No**

Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:

a Single EIR? (see 301 CMR 11.06(8))	<input checked="" type="checkbox"/> <b>Yes</b>	<input type="checkbox"/> <b>No</b>
a Special Review Procedure? (see 301CMR 11.09)	<input type="checkbox"/> <b>Yes</b>	<input checked="" type="checkbox"/> <b>No</b>
a Waiver of mandatory EIR? (see 301 CMR 11.11)	<input type="checkbox"/> <b>Yes</b>	<input checked="" type="checkbox"/> <b>No</b>
a Phase I Waiver? (see 301 CMR 11.11)	<input type="checkbox"/> <b>Yes</b>	<input checked="" type="checkbox"/> <b>No</b>

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:

**Local: Zoning, Planning**

**Federal: Army Corps of Engineers, NPDES, Wetlands NOI**

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 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
<b>LAND</b>				<input checked="" type="checkbox"/> <b>Order of Conditions</b> <input type="checkbox"/> Superseding Order of Conditions <input type="checkbox"/> Chapter 91 License <input checked="" type="checkbox"/> <b>401 Water Quality Certification</b> <input checked="" type="checkbox"/> <b>MHD Access Permit</b> <input type="checkbox"/> Water Management Act Permit <input type="checkbox"/> New Source Approval <input checked="" type="checkbox"/> <b>DEP Sewer Connection/ Extension Permit</b> <input checked="" type="checkbox"/> <b>Other Permits</b> <i>(including Legislative Approvals) – Specify:</i>  <b>DEP Groundwater Discharge Permit(s)</b>
Total site acreage	800±			
New acres of land altered		7±		
Acres of impervious area	122.145±	0.135±	122.28±	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		0		
Acres of new non-water dependent use of tidelands or waterways		0		
<b>STRUCTURES</b>				
Gross square footage	1,750,000±	5,900±	1,755,900±	
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	N/A	N/A	N/A	
GPD water withdrawal	N/A	N/A	N/A	
GPD wastewater generation/ treatment (1)	1,227,000±	0	1,227,000±	
Length of water/sewer mains (in miles)	0	32±	32±	

**Note:**

(1) Includes wastewater generated from the existing septic systems to be sewered (327,000 GPD), and wastewater currently treated at the Concord Wastewater Treatment Plant (CWWTP) (900,000 GPD). The wastewater currently treated at the CWWTP is generated outside of the project area.

**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: **If a certain area, designated as FH-1 (Conantum) on Figure S-1, proceeds with design of the decentralized system proposed, the project will involve the release and transfer of an agricultural preservation restriction on approximately 3.0 acres of land (Parcel ID 3547). To compensate for the release, an agricultural preservation restriction will be placed on approximately 4.5 acres of land on another parcel (Parcel ID 3522).**)  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: **As shown on Figure E-2, some portions of the project fall within areas designated as Estimated Habitats of Rare Species and Priority Sites of Rare Species. There are also a few vernal pools located within the limits of the project area. However, no construction activities will be performed in any area under these designations.**)  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: **House of Colonel Roger Brown (1694 Main Street), Hubbardville Historic District (368-374 Sudbury Road), Orchard House (399 Lexington Road), and The Wayside (455 Lexington Road) and The Old Manse. No direct impact to these structures is anticipated, however they are located within project boundaries.**)  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 project site includes several distinct areas of town (portions of the Elm Brook area, the West Concord area and the Concord Center area) that are proposed to be connected to the existing sewer system so their wastewater can be transmitted to the existing wastewater treatment plant (WWTP) off of Bedford Street for treatment and discharge. The project site also includes two areas of town (the White Pond area and the Conantum (Kalmia Woods Association) area) that are proposed to implement decentralized wastewater management alternatives due to the areas' distance from the existing system as well as the goal to maintain the water balance in the sub-watershed basins of the Sudbury River. Please refer to Figure S-1 for area locations. Each of these decentralized areas will have localized collection systems with their wastewater transported to 'package-type' treatment plants with groundwater discharge of the treated effluent.

Other alternatives considered during the planning period included the no-build alternative of continuing the use of individual on-site Title 5 compliant systems and tight tanks (where necessary) as well as the alternative to construct several shared Title 5 compliant systems for smaller areas that would generate flow of less than 10,000 gallons per day (gpd). The use of DEP approved

innovative/alternative (I/A) technologies for both the individual on-site alternative and the shared system alternative was also considered.

Concurrent with the alternatives analysis for potential off-site solutions for wastewater management, the local Board of Health is overseeing another portion of this comprehensive plan, which is the development of an On-site Wastewater Management Program. The On-site Program will provide additional tools through the Board of Health to assist Concord homeowners who will continue to use individual on-site (septic) systems. This program will also include policies for adoption by the local BOH to further protect the environment in sensitive water resource areas.

The proposed project offers the most environmental benefits by providing a band of protection for resources in the project area (including surface waters, buffering wetlands, recreational beaches and public drinking water supply wells) from septic systems that have a higher potential for providing inadequate treatment now or in the future. The proposed project will also provide aquifer recharge in the sub-watershed basin that provides the majority of the town's drinking water supply.

Negative impacts due to construction including noise, dust, runoff and other disturbances will be temporary and will be mitigated to the greatest extent possible. All necessary permits and approvals will be obtained to ensure satisfactory protection of sensitive environmental resources during construction. Impacts from future development will be controlled through the Growth Management Planning process that is being undertaken in conjunction with this wastewater planning effort.