

**ENF Environmental Notification Form**

<i>For Office Use Only</i> <i>Executive Office of Environmental Affairs</i>	
EOEA No.:	13757
MEPA Analyst:	Deirdre Buckley
Phone:	617-626-1044

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: Wastewater Facilities Plan Update		
Street: Townwide		
Municipality: Plainville	Watershed: Ten Mile River / Taunton River	
Universal Transverse Mercator Coordinates: 305700 E ; 4654500 N	Latitude: 42° 01' 6.8" Longitude: 71° 20' 48.2"	
Estimated commencement date: 5/07	Estimated completion date: 11/10	
Approximate cost: \$10.3 Million (Capital)	Status of project design:	0 %complete
Proponent: Plainville Sewer Commission		
Street: 171 East Bacon Street		
Municipality: Plainville	State: MA	Zip Code: 02762
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Mr. James Marshall, Superintendent		
Firm/Agency: Plainville Water & Sewer Dept.	Street: 171 East Bacon St.	
Municipality: Plainville	State: MA	Zip Code: 02762
Phone: 508-695-6871	Fax: 508-695-6736	E-mail: <a href="mailto:supt@plainville.org">supt@plainville.org</a>

- 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 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):

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

List Local or Federal Permits and Approvals:

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 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>
Total site acreage	7,392			
New acres of land altered		0		
Acres of impervious area		0		
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				
Number of housing units				
Maximum height (in feet)				
<b>TRANSPORTATION</b>				
Vehicle trips per day				
Parking spaces				
<b>WATER/WASTEWATER</b>				
Gallons/day (GPD) of water use				
GPD water withdrawal				
GPD wastewater generation/ treatment	469,000 gpd (2000 - 2004 ADF)	128,000 gpd (2025 ADF)	597,000 gpd (2025 ADF)	
Length of water/sewer mains (in miles)	9.5 miles	8.9 miles	18.4 miles	

**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.)

**(A) Project Description:** This project involves the recommended expansion of sewers in the Town of Plainville into subareas determined as wastewater needs areas adjacent to the existing sewer system. In 1983, a wastewater facilities plan was prepared for the Town in which a recommended phased plan for installation of sewers was presented. Due to financial constraints, certain areas recommended for sewerage in the 1983 Facilities Plan were not completed. The on-set of significant residential and commercial development over the past 5 - 10 years prompted the Town to have an Updated Wastewater Facilities Plan prepared to re-evaluate wastewater needs of the unsewered areas of Town. The result of the 2005 Facilities Plan Update, were recommendations to expand sewers into 3 of the 6 unsewered subareas of Plainville with a total length of approximately 47,000 lf (8.9 miles). Two of the 3 unsewered subareas were previously recommended for sewerage by the 1983 Facilities Plan. The sewers recommended for expansion range in size from 8" to 12" diameter and will primarily be constructed within existing street rights-of-way. Approximately 1,500 lf of the recommended sewers off South St. will be installed in cross-country areas due to topographical and ledge considerations. One package type sewage pump station is anticipated with the recommended sewer system expansion plan. This pump station would be located off the north side of Mirimichi St. to the east of Mirimichi Lake. The design capacity of this pump station to handle the peak projected future flows is 200 gpm (288,000 gpd). The pump station would discharge through a 4" force installed in Mirimichi St. to a connection to an existing 6" force main at the intersection of Mirimichi St. and Hayes Rd. The existing force main serves the pump station at the Plainridge Race Course located at the intersection of Routes 1 and 495. The recommended sewer system expansion will provide a viable, cost-effective and environmentally sound method of wastewater disposal for mostly residential areas that have constrained site and/or soil conditions for use of on-site disposal systems.

**(B) Alternatives:** The Town of Plainville has a Intermunicipal Agreement with the Town of North Attleborough for accepting up to 1.06 mgd of Plainville's wastewater at the North Attleborough Wastewater Treatment Facility. Plainville's allocated capacity of the WWTF as well as the collection system infrastructure (gravity sewers and pump stations) was designed to handle wastewater flows from a townwide sewer system. The alternatives for wastewater management in the unsewered areas of Plainville were basically (1) installation of sewers, or (2) use of on-site disposal systems. A third alternative was considered for one of the unsewered subareas that consisted of re-use of an existing advanced wastewater treatment facility and discharge to groundwater at the Englehard plant on Taunton St. However, this alternative was dismissed as unfeasible due to the on-going issues with cleaning up contaminated groundwater at the plant site. For each of the 6 unsewered subareas, the continued use of on-site disposal was considered first since decentralized wastewater disposal is generally preferred

from an overall watershed basis than collection in sewers and centralized disposal. The suitability of on-site disposal was evaluated for each subarea based on Board of Health records of systems that failed Title 5 inspections, review of Soil Conservation Service (SCS) mapping of soil types, depth to water and rock, proximity to water resources including wetlands, water bodies, streams, and Zone II protection areas, and average lot sizes as compared to minimum areas needed for on-site disposal. In addition to assessing the suitability of on-site disposal, a cost analysis was prepared for each subarea that compared the average cost of upgrading or replacing an on-site disposal system to the average cost of providing sewer service to each lot. The wastewater management alternatives for each subarea were assessed under rating criteria that included (1) compatibility with the needs assessment and intermunicipal agreement, (2) cost impacts, (3) O&M requirements, (4) construction impacts, (5) history of performance reliability, (6) permitting and institutional issues, and (7) environmental impacts. Weighted values were assigned to each rating criteria for each subarea and an overall rating established. The findings from the assessments of the alternatives by subarea determined sewers were ranked above on-site disposal for Subareas 2, 3 and 5.

**(C) Impacts and Mitigation Measures:** The impacts associated with installation of sewers within the three recommended subareas are mostly short-term associated with the construction activities. The short-term impacts include traffic, noise, dust, air quality, utility interruptions, loss of business, and wetland buffer zones. Traffic mitigation measures that would be incorporated into the construction documents include implementation of a traffic management plan that would detail the location of traffic control devices in the construction zone, identify suitable detouring routes, specify construction work hours to minimize impacts on peak commuting hours, and define the type and location of construction warning signs in the area. Noise sources such as construction vehicles and equipment will be controlled to remain within local noise ordinance levels through the use of exhaust silencers and sound deadening materials within the construction zone. The hours of construction activities will also be limited to normal daytime periods. Dust created from exposure of soils during excavation work will be controlled with routine application of calcium chloride or other suitable dust control material and spraying with water during prolonged dry periods. Construction vehicles and equipment with internal combustion engines will be required to meet applicable air quality emission standards. Utility interruptions are inevitable with large construction projects when pipelines or conduits are inadvertently hit during excavation work. Prior to work being performed in any area, the Contractor will be required to contact Dig-Safe to locate and mark-out all known utility lines. The utility companies will also be notified of the construction schedules that involve work in the vicinity of their lines so they can be prepared to mobilize quickly in the event of an interruption incident. In certain business district areas recommended for expansion of sewers, such as along South Street, there is the potential for access to these businesses being limited during construction. The Contractor will be required to maintain at least one means of access and egress from each adjacent business during construction. In addition, the Contractor will be required to coordinate with the business owner the scheduling of the work and proposed means of access. Construction within wetland buffer zones will be preceded by installation of appropriate controls for erosion and sedimentation such as haybales and silt fencing as required by Orders of Condition issued by the Plainville Conservation Commission.