

**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>12960</u>
MEPA Analyst:	<u>Andrea Dames</u>
Phone: 617-626-	<u>1028</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: Proposed Revisions to the Massachusetts Water Resources Authority's Local Discharge Limits for the Clinton Sewerage Service Area		
Street: N/A		
Municipality: Clinton and Lancaster	Watershed: N/A	
Universal Tranverse Mercator Coordinates:	Latitude: See Attached Map Longitude:	
Estimated commencement date: N/A	Estimated completion date: N/A	
Approximate cost: N/A	Status of project design: N/A %complete	
Proponent: Massachusetts Water Resources Authority		
Street: 2 Griffin Way		
Municipality: Chelsea	State: MA	Zip Code: 02150
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Denise K. Breiteneicher		
Firm/Agency: Massachusetts Water Resources Authority	Street: 2 Griffin Way	
Municipality: Chelsea	State: MA	Zip Code: 02150
Phone: 617-305-5618	Fax: 617-371-1604	E-mail: Denise.Breiteneicher@mwra.state.ma.us

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): N/A

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

List Local or Federal Permits and Approvals: EPA approved the proposed changes to MWRA's Local Discharge Limits for Clinton Sewerage Service Area on October 9, 2002. The Clinton Wastewater Treatment Plant's NPDES Permit number is MA0100404.

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 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 checked="" 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 type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input type="checkbox"/> Other Permits (including Legislative Approvals) – Specify: _____ _____ _____ _____ _____
Total site acreage	N/A			
New acres of land altered		N/A		
Acres of impervious area	N/A	N/A	N/A	
Square feet of new bordering vegetated wetlands alteration		N/A		
Square feet of new other wetland alteration		N/A		
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	N/A	N/A	N/A	
GPD water withdrawal	N/A	N/A	N/A	
GPD wastewater generation/ treatment	N/A	N/A	N/A	
Length of water/sewer mains (in miles)	N/A	N/A	N/A	

**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.*)

The Massachusetts Water Resources Authority is required by the EPA through its Pretreatment Regulations, 40 CFR Part 403, and MWRA's NPDES Permit for Clinton Wastewater Treatment Plant, to conduct a periodic analysis of the discharge limits applicable to permitted discharges to MWRA's Clinton Treatment Plant. Under this requirement, MWRA must review the adequacy of existing discharge limits and establish additional standards, if necessary, to prevent pollutants from entering the treatment system that would interfere with the operation of the treatment plant, affect worker health and safety, or pass untreated through the treatment plant to contaminate the receiving water. MWRA may also review the necessity of each standard and its impact on industries and propose to increase a standard if the increased limit will not result in any adverse impact to the treatment plant, worker health and safety, pellet quality, or the receiving water. Industrial flow accounts for 3% of the total flow to the Clinton Wastewater Treatment Plant.

The local limits analysis indicates that most of the priority pollutant local limits are not candidates for revisions; these limits adequately protect the treatment system and are not unreasonably burdensome on the regulated community. However, the fume toxicity analysis showed that many of the organics should be lowered to protect worker health and safety. Changes for fifty-two parameters have been proposed. Two limits are proposed to become less stringent, one limit is being replaced by another set of limits, and 49 limits are proposed to be made more stringent. For the purposes of this ENF, only the two limits proposed to be made less stringent and the one limit proposed to be replaced by other requirements will be discussed in depth pursuant to 301 CMR 11.03 (12). This section of the EOE regulations states that an ENF is required if "Promulgations of New or revised regulations, of which a primary purpose is protecting against Damage to the Environment, that significantly reduce: 1. standards for environmental protection;...". Based on the analysis conducted by the MWRA on the discharge limits, we do not believe that these changes significantly reduce standards for environmental protection or have any adverse impact on the

environment at all. More information on the entire local limits analysis may be reviewed in the Clinton Wastewater Treatment Plant Local Limits Development Final Report available at the MEPA office or at MWRA's offices at 2 Griffin Way in Chelsea.

This review involves an evaluation of the performance of the treatment plant, the NPDES Permit requirements, the characteristics of the receiving water, and worker health and safety. Conducting a periodic review of the local limits enables MWRA to establish standards and control measures that reflect changes in the particular characteristics of MWRA's system, including:

- Type and amount of industrial discharge
- Existing quality of receiving water
- Pollutant loadings from sources other than permitted industries
- Treatment plant performance
- Changing regulations

The key changes proposed as a result of the local limits analysis for the Clinton Sewerage Service Area include the following:

<b>Parameter</b>	<b>Existing Limit (mg/L)</b>	<b>Proposed Action</b>
Acrolein	Prohibited	Raise to 0.49 mg/L
pH	5.5-10.5 standard units	Raise upper limit to 12.0 s.u.
Petroleum Hydrocarbons	15	Replace PHC limit with existing TTO, FOG, and explosivity limits, and gas/oil separator rule. Add narrative prohibiting oil disposal except as incidental to an industrial process.

More detail on these changes is provided in Attachment A.