

Commonwealth of Massachusetts
Executive Office of Environmental
Affairs ■ MEPA Office

ENF **Environmental**
Notification Form

<i>For Office Use Only</i> Executive Office of Environmental Affairs
EOEA No.: 13178
MEPA Analyst: LeAndee DAMES
Phone: 617-626-1028

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: City of Lawrence Water Treatment Plant		
Street: 200 Water Street		
Municipality: Lawrence	Watershed: Merrimack	
Universal Transverse Mercator Coordinates: 4728962N, 190321326E	Latitude: 42° 41' 39.78" N	Longitude: 71° 10' 52.65" W
Estimated commencement date: June 2004	Estimated completion date: August 2006	
Approximate cost: \$22 million	Status of project design: 30 %complete	
Proponent: City of Lawrence		
Street: 300 Common Street		
Municipality: Lawrence	State: MA	Zip Code: 01840
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Walter Pitts, P.E.		
Firm/Agency: Camp, Dresser & McKee	Street: 50 Hampshire Street	
Municipality: Cambridge	State: MA	Zip Code: 02139
Phone: (617) 452 - 6568	Fax: (617) 452-8568	E-mail: pittswe@cdm.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. _____) No
- Is this an Expanded ENF (see 301 CMR 11.05(7)) requesting:
- | | | |
|---|------------------------------|--|
| a Single EIR? (see 301 CMR 11.06(8)) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| a Special Review Procedure? (see 301 CMR 11.09) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| a Waiver of mandatory EIR? (see 301 CMR 11.11) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| a Phase I Waiver? (see 301 CMR 11.11) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> 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): \$22 million from the Drinking Water State Revolving Fund (DWSRF).

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

List Local or Federal Permits and Approvals: Order of Conditions, ZBA Special Permit, Site Plan Review, Building Permit, Fuel & Chemical Storage Permits, NPDES Stormwater Construction General Permit and NPDES Stormwater General Permit for WTP.

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 checked="" 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 type="checkbox"/> Regulations | <input type="checkbox"/> Historical & Archaeological Resources |

Summary of Project Size & Environmental Impacts	Existing	Change	Total	State Permits & Approvals
LAND				<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 checked="" type="checkbox"/> DEP or MWRA Sewer Connection/Extension Permit <input type="checkbox"/> Other Permits (including Legislative Approvals) – Specify: MADEP WTP Design Approval MADEP Limited Plan Approval *New WTP, The existing WTP is not part of this project.
Total site acreage	10 acres			
New acres of land altered		4		
Acres of impervious area	1.4	1.7	3.1	
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		
STRUCTURES				
Gross square footage	11,800 *	24,000 *	35,800 *	
Number of housing units	0	0	0	
Maximum height (in feet)	48	40	48	
TRANSPORTATION				
Vehicle trips per day	100	105	105 *	
Parking spaces	15	15	15 *	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	300,000	0	300,000	
GPD water withdrawal	8 million	0	8 million	
GPD wastewater generation/treatment	300,000	0	300,000	
Length of water/sewer mains (in miles)	0	0.1	0.1	

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 Merrimack River has served as the City of Lawrence's raw water supply for its drinking water for over 100 years. The existing water treatment plant was constructed in the late 1930's and has been producing treated drinking water for its residents ever since. Over the years, many improvements and changes have been made to the plant in order to meet increasingly stricter drinking water standards. However, the existing plant has fallen into disrepair because of its age and the Massachusetts Department of Environmental Protection (MADEP) has ordered the city to build a new water treatment plant (WTP). The city entered into an Administrative Consent Order on October 21, 1999, which requires that a new plant be completed by July 1, 2007.

The proposed WTP will have the same capacity as the existing plant, 16 million gallons per day (mgd). The project will not increase the amount of water that the city currently withdraws from the Merrimack River. The city is approved by DEP to withdraw 9.45 mgd on an annual average basis, and no increase in this amount is proposed. The city currently withdraws 8.0 mgd on an annual average basis. The existing water treatment plant located at 400 Water Street will be decommissioned (i.e., buildings and structures will be safely secured and tanks will be filled). The new plant will be constructed on currently city-owned water works land adjacent to the existing high service pumping station that will remain in operation, see Figure 1- Project Location Map. The entire city-owned parcel is approximately 10 acres. The western portion of the parcel where the new plant is proposed, is currently a paved parking area and storage yard for the water department.

Two alternative sites were investigated for construction of the new WTP. One location is on a vacant parcel located across from the existing plant at the corner of Marble Avenue and Water Street. This alternative site was not selected because of its proximity to an adjacent residential neighborhood. The second alternative site is on land east of the existing plant's clearwell and High Lift Pumping Station. This alternative location is within the 100-year flood elevation and would also result in potential wetland impacts. This alternative was determined less desirable because of the potential impact the WTP construction would have on the wetland resources.

The new water treatment plant has a footprint of approximately 24,000 square feet. In addition, two above-ground, 45 foot diameter steel water storage tanks will be constructed on the site. Unlike the existing plant, the new WTP will not be located close to any residential housing and the new WTP's delivery area will be at the rear of the plant and hidden from public view. The existing river intake pumping station will continue to operate as it has for the past 60 years. No construction work will be required in the Merrimack River.

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Number of housing units	0	0	0	
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