

ENF

**Environmental
 Notification Form**

<i>For Office Use Only</i>	
<i>Executive Office of Environmental Affairs</i>	
EOEA No.:	13109
MEPA Analyst:	Andrea 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: Brockton Advanced Wastewater Treatment Facility Upgrades		
Street: Oak Hill Way		
Municipality: Brockton	Watershed: Salisbury River	
Universal Transverse Mercator Coordinates: 46 56 800N, 3 34 900E	Latitude: 42° 02' 50" N	Longitude: 71° 00' 25" W
Estimated commencement date: March, 2004	Estimated completion date: July, 2005	
Approximate cost: 54 million	Status of project design:	30 %complete
Proponent: The City of Brockton		
Street: 303 Oak Hill Way		
Municipality: Brockton	State: MA	Zip Code: 02401
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Magdalena Lofstedt		
Firm/Agency: CDM	Street: One Cambridge Place 50 Hampshire St	
Municipality: Cambridge	State: MA	Zip Code: 02139
Phone: 617-452-6000	Fax: 617-452-8000	E-mail:lofstedtmh@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)) Yes No
 - a Special Review Procedure? (see 301CMR 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): Not Applicable

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

List Local or Federal Permits and Approvals:
Order of Conditions from the Brockton Conservation Commission

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
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 type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input checked="" type="checkbox"/> Other Permits (including Legislative Approvals) – Specify: DEP Approval of Design
Total site acreage	37.56 acres			
New acres of land altered		0*		
Acres of impervious area	13.63 acres (includes existing structures)	0.145 acres (includes new structures)	13.77 acres	
Square feet of new bordering vegetated wetlands alteration		0		
Square feet of new other wetland alteration		App. 2,610 s.f.		
Acres of new non-water dependent use of tidelands or waterways		0		
STRUCTURES				
Gross square footage	App. 350,000 s.f.	App. 5,000 s.f.	App. 355,000 s.f.	
Number of housing units	0	0	0	
Maximum height (in feet)	App. 50 feet	0	App. 50 feet	
TRANSPORTATION				
Vehicle trips per day	App. 150	0	App. 150	
Parking spaces	40	0	40	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	1,000	0	1,000	
GPD water withdrawal	1,000	0	1,000	
GPD wastewater generation/ treatment (*design*)	18	2.5	20.5	
Length of water/sewer mains (in miles)	App. 2 miles**	0	App. 2 miles**	

*All proposed work is within the existing WWTF foot print

**On the Brockton WWTF parcel

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

(See letter received from the Massachusetts Natural Heritage and Endangered Species Program on April 18, 2003, see Attachment 2)

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

(See letter received from the Massachusetts Historical Commission on April 15, 2003 (see Attachment 2)

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) The Brockton Wastewater Treatment Facility is located on Oak Hill Way in Brockton, Massachusetts, on a City owned parcel approximately 37.56 acres in size (see Figure 1). The Salisbury Plain River borders the Brockton WWTF to the west and Edison Brook borders the site to the east.

The WWTF has had intermittent difficulty complying with most of its effluent criteria. Existing equipment has reached, and in some instances exceeded, expected service life and needs replacement. Some of the existing buildings do not meet current building codes and process operations need to be improved or modified. The City of Brockton retained Camp Dresser & McKee Inc. (CDM) to perform an evaluation of their existing WWTF. Facilities assessment and permit compliance and operation issues evaluated by CDM, Inc. are presented in the report titled "*Facilities Assessment – Brockton Advanced Wastewater Treatment Facility, July 2002.*"

(b) The WWTF will be upgraded to meet the present and future needs of the City of Brockton, including capacity and permit requirements. Three phases of work will include the following: (1) Electrical Distribution System Upgrade; (2) Filter Building Upgrade; (3) Secondary Treatment Upgrade; (4) Sludge Thickening, Storage, and Dewatering Improvements; (5) Process Equipment Replacement; (6) Dechlorination System Upgrade; (7) Renovations of the Operations Building Control Room; (8) Mechanical and Electrical Demolition and Removal Work of WWTF components that are no longer in service; and (9) Site Improvements including Site Access Drive Repairs, Site Signage, Parking Lot Reconfiguration, Site Fencing and Security, and Site Drainage Improvements (further described in Attachment 1).

The proposed WWTF upgrades are necessary in order to comply with new NPDES permit requirements for year-round nitrification, effluent total suspended solids (TSS), and copper removal. Off-site alternatives are not feasible for this project since the project consists of upgrade to the existing WWTF. A "No Action Alternative" does not address the need for recommended improvements as identified in the "*Facilities Assessment – Brockton Advanced Wastewater Treatment Facility, July 2002*".

(c) An erosion and sedimentation control plan will be developed to minimize temporary impacts to downgradient wetlands and waterways during the construction phase of the project by minimizing erosion and retaining sediment. The plan will incorporate Best Management Practices (BMPs) specified in guidelines developed by the DEP and the U.S. Environmental Protection Agency and comply with the requirements of the NPDES General Permit for Storm Water Discharges from Construction Activities. All control measures will be installed and maintained in accordance with details that will be provided on design plans and the manufacturer's specifications. Proper implementation of the Erosion and Sedimentation Plan (developed for construction) and the long term Operation and Maintenance Plan will mitigate potential adverse impacts to water quantity and quality, and ensure compliance with federal, state and local permit regulations and performance standards.

The WWTF upgrades will be designed in compliance with DEP's Stormwater Management Policy. New stormwater discharges will be connected to the existing stormwater collection system which consists of a series of catch basins and is conveyed in two separate piped systems to the Salisbury Plain River via outlets directly adjacent to the outfall of the Chlorine Contact Tanks. New drainage will be primarily lawn area and rooftops.