

For Office Use Only
Executive Office of Environmental Affairs

EOEA No.: 12751
MEPA Analyst: Nick Zavalas
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ENF

Environmental Notification Form

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: Orleans Water Treatment Facility		
Street: Cliff Pond Road		
Municipality: Orleans	Watershed: Cape Cod	
Universal Transverse Mercator Coordinates:	Latitude: N 41° 41.48" Longitude: W 69° 59.53"	
Estimated commencement date: 9/1/2002	Estimated completion date: 2/1/2004	
Approximate cost: \$4,400,000	Status of project design: 50 %complete	
Proponent: Orleans Water Department		
Street: 19 School Road		
Municipality: Orleans	State: MA	Zip Code: 02653
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Jack O'Connell, P.E.		
Firm/Agency: Tata & Howard Inc.	Street: 125 Turnpike Road	
Municipality: Westborough	State: MA	Zip Code: 01581
Phone: (508) 366-5760	Fax: (508) 366-5785	E-mail: info@tataandhoward.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 301CMR 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): No financial assistance will be received from government agencies.

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

List Local or Federal Permits and Approvals: BRP WS 24 - Approval to Construct, BRP WP 08 - Minor Groundwater Discharge Permit - Site Plan Review - ZBA: Special Permit

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 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	489.11			
New acres of land altered		2.92		
Acres of impervious area	0	0.42	0.42	
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	0	5,472	5,472	
Number of housing units	0	0	0	
Maximum height (in feet)	0	15	15	
TRANSPORTATION				
Vehicle trips per day	0	2	2	
Parking spaces	0	4	4	
WATER/WASTEWATER				
Gallons/day (GPD) of water use		Backwash	Backwash	
GPD water withdrawal	3,500,000	0	3,500,000	
GPD wastewater generation/ treatment	0	200	200	
Length of water/sewer mains (in miles)	0	0.006	0.006	

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

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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 Orleans Water Department proposes to construct a 3.5 million gallon per day (mgd) water treatment facility off Cliff Pond Road for the treatment of existing Wells No. 1,4,5, and 6. Water quality sampling conducted over the past four years by the Orleans Water Department indicates that the concentration of iron in the water from Wells No. 1,4,5 and 6 and the concentration of manganese in Well No. 1 exceed EPA's current secondary maximum contaminant levels (SMCLs). The facility will improve the overall water quality of these four wells and provide potential treatment for any future supply. Due to the location of the 4 existing wells, site access and an attempt to minimize impacts on the surrounding land, this was to most viable treatment facility location. Due to the 3.5 mgd capacity of the proposed treatment facility, it requires the filing of an Environmental Notification Form (ENF).