

ENF Environmental Notification Form

For Office Use Only
Executive Office of Environmental Affairs
 EOE No.: 13332
 MEPA Analyst: Rick Bourke
 Phone: 617-626-1130

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: Pocasset Mobile Home Park - Wastewater Treatment Plant		
Street: 117-149 Barlows Landing Road		
Municipality: Bourne	Watershed: Cape Cod	
Universal Transverse Mercator Coordinates: 366950E 4616750N Zone 19	Latitude: 41°41'42" N	Longitude: 70°35'59.9" W
Estimated commencement date: 04/01/2005	Estimated completion date: 07/01/2005	
Approximate cost: \$1,000,000	Status of project design: 95 %complete	
Proponent: Pocasset Mobile Home Park		
Street: P.O. Box 1327		
Municipality: Pocasset	State: MA	Zip Code: 02559
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Christopher October, PE		
Firm/Agency: Brown and Caldwell	Street: 48 Leona Drive, Suite C	
Municipality: Middleboro	State: MA	Zip Code: 02346
Phone: 508-923-0879	Fax: 508-923-0894	E-mail:

- 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): None.

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

List Local or Federal Permits and Approvals: See Narrative.

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 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 <i>(including Legislative Approvals) – Specify:</i> Groundwater Discharge (BRPWP06)
Total site acreage	26.3			
New acres of land altered		+2.7		
Acres of impervious area	0	+0.01	0.01	
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	+300	300	
Number of housing units	0	0	0	
Maximum height (in feet)	0	10	10	
TRANSPORTATION				
Vehicle trips per day	0	0	0	
Parking spaces	0	0	0	
WATER/WASTEWATER				
Gallons/day (GPD) of water use	0	0	0	
GPD water withdrawal	0	0	0	
GPD wastewater generation/treatment	47,000	+18,100	65,100	
Length of water/sewer mains (in miles)	0	0	0	

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 Owner of Pocasset Mobile Home Park (PMP) plans to upgrade its existing subsurface wastewater disposal system to conform to the current requirements of the Massachusetts Department of Environmental Protection (DEP). PMP is located on a 15-acre lot on the south side of Barlows Landing Road. The proposed project site abuts the current PMP site to the south. The proposed site is a 26.3-acre lot (Parcel 14). Currently, the site is undeveloped with approximately 18 wooded acres and 8.3 acres of overgrown open field. The site of the proposed wastewater treatment facility (WWTF) falls within this open field area, on and adjacent to the existing groundwater effluent disposal site.

The proposed WWTF will serve the current PMP and allow for potential future development of Parcel 14 and on the adjacent Parcel 66.1. The proposed WWTF will be an Amphidrome™ system. This type of system consists of a submerged attached growth bioreactor process designed around a deep-bed sand filter. It is specifically designed for the simultaneous removal of soluble organic matter, nitrogen and suspended solids within a single reactor. Since it removes nitrogen, it may also be considered a biological nutrient removal (BNR) process.

The Amphidrome™ system has been proven to be an effective system for meeting effluent parameters typically required for projects similar to this project. Numerous systems of this type have been installed and are currently in operation in Massachusetts.

Examined WWTF alternatives included a sequencing batch reactor (SBR) system, a rotating biological contactor (RBC) system, and a membrane bioreactor. None of these alternative systems could provide the desired performance. Alternatives for the proposed development of Parcel 14 were conducted by the owner to evaluate three conceptual development plans. While future development remains within the decision-making process, the chosen location for the WWTF as depicted in this ENF will not change. Alternative WWTF locations were not selected because of the land space within the existing parcel and the potential cost of obtaining another land parcel.