

<i>For Office Use Only</i>	
<i>Executive Office of Environmental Affairs</i>	
EOEA No.:	<u>14154</u>
MEPA Analyst:	<u>Aisling Eglinton</u>
Phone:	617-626- <u>1024</u>

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: Comprehensive Wastewater Management Planning (CWMP) Project for the South Coast Watersheds (Note 1)		
Please see attached Project Narrative and Note 2 below		
Street: 59 Town Hall Square		
Municipality: Falmouth	Watershed: Cape Cod	
Universal Transverse Mercator Coordinates: Zone 19 371,644.82 meters east; 4,606,662.019 meters north	Latitude: 40° 35' 21.76" N Longitude: 70° 33' 34.8" W	
Estimated commencement date: 2009	Estimated completion date: 2030 to 2040	
Approximate cost: \$200,000,000	Status of project design: 0 %complete	
Proponent: Town of Falmouth		
Street: 59 Town Hall Square		
Municipality: Falmouth	State: MA	Zip Code: 02540
Name of Contact Person From Whom Copies of this ENF May Be Obtained: Nathan C. Weeks		
Firm/Agency: Stearns & Wheeler, LLC	Street: 1545 Iyannough Road	
Municipality: Hyannis	State: MA	Zip Code: 02601
Phone: 508-362-5680	Fax: 508-362-5684	E-mail: ncweeks@stearnswheler.com

Notes:

- 1) The "South Coast Watersheds" (Planning Area) are the watersheds to Little Pond, Great Pond, Green Pond, Bournes Pond, Eel Pond, and Waquoit Bay.

- 2) This project is the completion of a Comprehensive Wastewater Management Plan (CWMP) Study for the South Coast watersheds. This project is expected to recommend the extension of sewers and the construction of advanced wastewater treatment and recharge facilities (as well as other nitrogen mitigation efforts) to mitigate excessive nitrogen loading that is entering the watersheds through existing septic systems. The sewer extension and advanced wastewater treatment is expected to trigger a MEPA review and we want to initiate MEPA review before the study is complete. The study will be completed after detailed evaluation of three alternative scenarios and the No Action Alternative described in the Project Narrative.

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): SRF Funding

Are you requesting coordinated review with any other federal, state, regional, or local agency?

Yes (Cape Cod Commission) No

List Local or Federal Permits and Approvals: Building Permits

Which ENF or EIR review threshold(s) does the project meet or exceed (see 301 CMR 11.03):

- Land Rare Species Wetlands, Waterways, & Tidelands
 Water Wastewater Transportation
 Energy Air Solid & Hazardous Waste
 ACEC Regulations 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
Total site acreage	27,251 in Planning Area			
New acres of land altered		>30		
Acres of impervious area		>0.5		
Square feet of new bordering vegetated wetlands alteration		>100		
Square feet of new other wetland alteration		>100		
Acres of new non-water dependent use of tidelands or waterways		>0.5		<input type="checkbox"/> DEP or MWRA Sewer Connection/ Extension Permit <input type="checkbox"/> Other Permits (including Legislative Approvals) – Specify: <u>Effluent Discharge Permit</u> _____ _____ _____ _____
STRUCTURES				
Gross square footage for Treatment Facilities		>20,000		
Number of housing units		0		
Maximum height (in feet)		>20		
TRANSPORTATION				
Vehicle trips per day		>20		
Parking spaces		>10		
WASTEWATER				
Gallons/day (GPD) of water use		>500		
GPD water withdrawal		0		
GPD wastewater generation/ treatment		3,200,000		
Length of water/sewer mains (in miles)		>50		

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 NH ESP Estimated rare wildlife habitat illustrated in Figures 8 and 11) 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 Sites illustrated in Figure 9) 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.*)

This Project is the completion of the Comprehensive Wastewater Management Planning (CWMP) Study for the South Coast Watersheds to Little Pond, Great Pond, Green Pond, Bournes Pond, and Waquoit Bay. The project is needed to develop a plan to remediate excessive nitrogen loadings from existing septic systems to the watersheds as identified by several technical evaluations and MassDEP and USEPA Total Maximum Daily Load (TMDL) limits for nitrogen.

The recommended plan is expected to include sewer extension and advanced wastewater treatment to mitigate the current septic system discharges as well as other nitrogen mitigation efforts.

Three alternative scenarios (and the No Action Alternative) will be evaluated as part of the project. The three alternative scenarios are:

1. Wastewater collection from the needed areas of the planning area, advanced wastewater treatment at the existing Falmouth WWTF (after expansion) and recharge of the treated water back in to the Planning area at the Falmouth Country Club site.
2. Wastewater collection from the needed areas of the planning area, advanced wastewater treatment at a new treatment facility at the Falmouth Country Club site and recharge of the treated water back in to the Planning area at the Falmouth Country Club site.
3. Wastewater collection from the needed areas of the planning area, advanced wastewater treatment at a new treatment facility at the Otis AFB WWTF site on the Massachusetts Military Reservation (MMR) and recharge of the treated water back in to the Planning area at the Falmouth Country Club site, or recharge at a new infiltration site near the Otis WWTF Infiltration Site at the MMR.

All three scenarios are expected to include the following non-wastewater nitrogen mitigation efforts:

- Improved management of fertilizers
- Improved stormwater management
- Modified zoning/sewer use regulation
- Possible watershed modifications in cranberry bogs acres to facilitate nitrogen attenuation in the watershed.
- Possible modification to the inlets of Little Pond and Bournes Pond to improve tidal flushing.

These alternatives are illustrated on the attached Figures 14, 15, and 16.

The project will complete a detailed evaluation of the alternative scenarios and result in a Draft and Final Comprehensive Wastewater Management Plans and Draft and Final Environmental Impact Reports.

The need for these alternative scenarios and the technology screening process that led to the scenarios is detailed in the attached documents.

- See the Project Narrative that follows this form.