

## CHAPTER 9

### NOTICE OF PROJECT CHANGE REQUEST FOR ADDITIONAL ALTERNATIVE PLANS EVALUATED

#### 9.1 INTRODUCTION

As indicated in Chapter 1 and 4 of this document, additional evaluations have been completed (and reported in this document) that were not originally scoped in the CWMP Environmental Notification Form (ENF) and the ENF approval certificate. These evaluations included:

- Recharge well infiltration technology for treated water recharge in the Route 151 ROW
- Ocean outfall technology for treated water discharge at Nobska Point in Woods Hole or at the Cape Cod Canal

These 2 technologies had been previously screened from further evaluation in the November 2007 Alternatives Screening Analysis Report. They were added into the evaluation because greater flexibility was needed for treated water recharge and disposal. A Notice of Project Change (NPC) form has been completed to include these evaluations in the Project Scope as required by MEPA requirements.

Findings of these evaluations are reported in Chapter 4.

#### 9.2 NOTICE OF PROJECT CHANGE FORM

The Notice of Project Change form is attached at the end of this chapter.

**Commonwealth of Massachusetts**  
**Executive Office of Energy and Environmental Affairs**

■ **MEPA Office**

# NPC Notice of Project Change

<i>For Office Use Only</i> <i>Executive Office of Energy &amp; Environmental Affairs</i>	
MEPA Analyst:	Aisling Eglington
Phone:	617-626-1024

The information requested on this form must be completed to begin MEPA Review of a NPC in accordance with the provisions of the Massachusetts Environmental Policy Act and its implementing regulations (see 301 CMR 11.10(1)).

Project Name: <b>Town of Falmouth Comprehensive Wastewater Management Planning (CWMP) Project for Little Pond, Great Pond, Green Pond, Bournes Pond, Eel Pond, and Waquoit Bay Watersheds</b>		EEA #: 14154	
Street: <b>59 Town Hall Square</b>			
Municipality: <b>Falmouth MA</b>		Watershed: <b>Cape Cod</b>	
Universal Transverse Mercator Coordinates: Zone 19 371,644.82 meters east; 4,606,662.019 meters north		Latitude: <b>40° 35' 21.76" N</b> Longitude: <b>70° 33' 34.8" W</b>	
Status of project construction:		<b>0 %complete (This is a Planning Project)</b>	
Proponent: <b>Town of Falmouth</b>			
Street: <b>59 Town Hall Square</b>			
Municipality: <b>Falmouth</b>		State: <b>MA</b>	Zip Code: <b>02540</b>
Name of Contact Person From Whom Copies of this NPC May Be Obtained: <b>Nathan C. Weeks</b>			
Firm/Agency: <b>Stearns &amp; Wheeler, LLC</b>		Street: <b>1545 Iyannough Road</b>	
Municipality: <b>Hyannis</b>		State: <b>MA</b>	Zip Code: <b>02601</b>
Phone: <b>508-362-5680</b>	Fax: <b>508-362-5684</b>	E-mail: <b>nate.weeks@ghd.com</b>	

The Project Change involves the additional evaluation of 2 recharge/disposal technologies (recharge wells, and ocean outfalls), and the development of additional alternative management scenarios.

See full project change description beginning on page 3.

Date of ENF filing or publication in the Environmental Monitor: December 17, 2007

Was an EIR required?  Yes  No; if yes,  
 was a Draft EIR filed?  Yes (Date: 12/15/09)  No (Filed with this NPC)  
 was a Final EIR filed?  Yes (Date: )  No  
 was a Single EIR filed?  Yes (Date: )  No

Have other NPCs been filed?  Yes (Date(s): )  No

If this is a NPC solely for lapse of time (see 301 CMR 11.10(2)) proceed directly to "ATTACHMENTS & SIGNATURES" on page 4.

**PERMITS / FINANCIAL ASSISTANCE / LAND TRANSFER**

List or describe all new or modified state permits, financial assistance, or land transfers not previously reviewed:

The following additional permits would be needed if an ocean outfall was recommended from these evaluations:

- Variance request to the Ocean Sanctuaries Act in accordance with MGL Chapter 132A
- Possible legal claims as allowed by MGL
- Federal permitting under Section 404 of the Clean Water Act and the Rivers and Harbors Act of 1899
- Federal EIS development and review
- State permitting for Water Quality Certification, Coastal Zone Management (CZM) consistency review, CZM administration of the Ocean Sanctuaries Act and Chapter 91 licensing
- Local permitting and approvals needed by Falmouth Board of Health and Falmouth Conservation Commission.

Are you requesting a finding that this project change is insignificant? (see 301 CMR 11.10(6))

Yes     No; if yes, attach justification.

Are you requesting that a Scope in a previously issued Certificate be rescinded?

Yes     No; if yes, attach the Certificate

Are you requesting a change to a Scope in a previously issued Certificate?  Yes     No; if yes, attach Certificate and describe the change you are requesting:

Certificate attached in DEIR Appendix 1-3

Summary of Project Size & Environmental Impacts	Previously reviewed	Net Change	Currently Proposed
<b>LAND</b>			
Total site acreage	27,251 in planning area	0	27,251
Acres of land altered	>30	-15	>15
Acres of impervious area	>0.5	-0.1	>0.4
Square feet of bordering vegetated wetlands alteration	>100	0	>100
Square feet of other wetland alteration	>100	0	>100
Acres of non-water dependent use of tidelands or waterways	>0.5	0	>0
<b>STRUCTURES</b>			
Gross square footage	>20,000	0	>20,000

Number of housing units	0	0	0
Maximum height (in feet)	>20	0	>20
<b>TRANSPORTATION</b>			
Vehicle trips per day	>20	0	>20
Parking spaces	>10	0	>10
<b>WATER/WASTEWATER</b>			
Gallons/day (GPD) of water use	>500	0	>500
GPD water withdrawal	0	0	0
GPD wastewater generation/ treatment	3,200,000	0	3,200,000
Length of water/sewer mains (in miles)	750	0	750

(i) It is noted that the "Net Change" and "Current Proposed" values relate only to the proposed changes (the evaluations added as part of this NPC). The values previously presented were initial estimates for a broad perspective planning project. All of these numbers have been refined as part of the originally proposed evaluations and are summarized in the DEIR. The revised numbers not related to the change are not summarized here because they might create confusion.

Does the project change involve any new or modified:

1. conversion of public parkland or other Article 97 public natural resources to any purpose not in accordance with Article 97? Yes No

2. release of any conservation restriction, preservation restriction, agricultural preservation restriction, or watershed preservation restriction? Yes No

3. impacts on Estimated Habitat of Rare Species, Vernal Pools, Priority Sites of Rare Species, or Exemplary Natural Communities? Yes No

4. impact on 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 No; if yes, does the project involve any demolition or destruction of any listed or inventoried historic or archaeological resources? Yes No

5. impact upon an Area of Critical Environmental Concern? Yes No

If you answered 'Yes' to any of these 5 questions, explain below:

**PROJECT CHANGE DESCRIPTION** (attach additional pages as necessary). The project change description should include:

- (a) a brief description of the project as most recently reviewed
- (b) a description of material changes to the project as previously reviewed,
- (c) the significance of the proposed changes, with specific reference to the factors listed 301 CMR 11.10(6), and
- (d) measures that the project is taking to avoid damage to the environment or to minimize and mitigate unavoidable environmental impacts. If the change will involve modification of any previously issued Section 61 Finding, include a proposed modification of the Section 61 Finding (or it will be required in a Supplemental EIR).

#### **A. DESCRIPTION OF THE PROJECT AS MOST RECENTLY REVIEWED**

The Project is a Comprehensive Wastewater Management Planning Project for several Watersheds in the Town of Falmouth and extending into Mashpee, Sandwich, and the Massachusetts Military Reservation (MMR). The ENF certificate scope for this project specified

the evaluation of 3 alternative plans (scenarios). They all involved proposed recharge of treated water at the Falmouth Country Club site using sand infiltration beds, subsurface infiltration facilities, or spray irrigation facilities.

These evaluations were completed and found to not fully meet environmental and Town requirements. Additional evaluations were needed to be completed that were not originally scoped in the ENF Certificate.

**B. DESCRIPTION OF THE CHANGES TO THE PROJECT AS PREVIOUSLY REVIEWED**

Additional evaluations were added of the following 2 recharge/disposal technologies:

- Treated water recharge wells
- Ocean outfalls.

The wells were evaluated to be located in the Route 151 Road Right of Way (ROW) to manage and allow recharge across the Planning Area from where it came.

The ocean outfall was evaluated to be located off Nobska Point in the Woods Hole area of Falmouth. Background data was also collected from previous evaluations of proposed outfalls to discharge into the Cape Cod Canal.

These evaluations were completed as summarized in the attached DEIR. The Recharge Well Scenario (Scenario 3B) is recommended for implementation. The Ocean Outfall was not recommended due to expected Project time delays to gain approval for it. There is still significant public interest in the benefits of an outfall and the Town may want to renew this evaluation in the future.

**C. SIGNIFICANCE OF THE PROPOSED CHANGES**

The change adds evaluations that were not previously scoped in the ENF Certificate.

The Recharge Well Scenario was selected for implementation and it would have significantly less environmental impact because it will not require the extensive land clearing and habitat disruption associated with the other treated water recharge technologies scoped. It would be constructed in an existing road ROW.

**D. MEASURES THAT THE PROJECT IS TAKING TO AVOID DAMAGE TO THE ENVIRONMENT OR TO MINIMIZE AND MITIGATE UNAVOIDABLE ENVIRONMENTAL IMPACTS**

This information is included in the attached DEIR in Chapter 8 entitled “MEPA Draft Section 61 Findings and Mitigation Measures.”

**ATTACHMENTS & SIGNATURES**

Attachments:

1. Secretary's most recent Certificate on this project (See Appendix 1-3)
2. Plan showing most recent previously-reviewed proposed build condition (See DEIR Chapters)
3. Plan showing currently proposed build condition (See DEIR Chapters)
4. Original U.S.G.S. map or good quality color copy (8-1/2 x 11 inches or larger) indicating the project location and boundaries (See DEIR Chapters)
5. List of all agencies and persons to whom the proponent circulated the NPC, in accordance with 301 CMR 11.10(7) (See transmittal letter and Distribution List)

Signatures:



Date	Signature of Responsible Officer or Proponent	Date	Signature of person preparing NPC (if different from above)
	<u>Robert L. Whritenour, Jr., Town Manager</u>		<u>Nathan C. Weeks, P.E.</u>
	Name (print or type)		Name (print or type)
	<u>Town of Falmouth</u>		<u>Stearns &amp; Wheler, LLC</u>
	Firm/Agency		Firm/Agency
	<u>59 Town Hall Square</u>		<u>1545 Iyannough Road</u>
	Street		Street
	<u>Falmouth, MA 02540</u>		<u>Hyannis, MA 02601</u>
	Municipality/State/Zip		Municipality/State/Zip
	<u>508-548-7611</u>		<u>508-362-5680</u>
	Phone		Phone