

For Office Use Only
Executive Office of Environmental Affairs
 MEPA Analyst: *Bill GAGE*
 Phone: 617-626-*1025*

NPC

Notice of Project Change

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: Crop Circle Cranberry		EOEA #: 14221	
Street: 0 Ring Road			
Municipality: Plympton/Kingston		Watershed: South Coastal	
Universal Tranverse Mercator Coordinates:		Latitude: 41.58.37.78 N Longitude: 70.47.12.12 W	
Status of project construction: 0 %complete			
Proponent: Crop Circle Cranberry			
Street: 131 Ring Road			
Municipality: Kingston		State: MA	Zip Code: 02364
Name of Contact Person From Whom Copies of this NPC May Be Obtained: Michael E. Russell, P.E.			
Firm/Agency: Site Design Engineering, LLC		Street: 11 Cushman Street	
Municipality: Middleboro		State: MA	Zip Code: 02346
Phone: 508-967-0673	Fax: 508-967-0674	E-mail: mrussell@sitedesigneng.com	

In 25 words or less, what is the project change? The project change involves . . .

Modify 7.5+/- acre bog expansion to a 5.3+/- acre for the same area considered previously. WMA Withdrawl Permit for expansion reduced to approximately 49,467 gpd. (approx. 159,467 gpd total) Minimal buffer zone activity will occur for the activity.

See full project change description beginning on page 3.

Date of ENF filing or publication in the Environmental Monitor:

- Was an EIR required? Yes No; if yes,
 was a Draft EIR filed? Yes (Date:) No
 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

RECEIVED
 NOV 13 2008
MEPA

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: Water Management Act (modified), ENF (modified – NPC)

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Are you requesting that a Scope in a previously issued Certificate be rescinded?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

Summary of Project Size & Environmental Impacts	Previously reviewed	Net Change	Currently Proposed
LAND			
Total site acreage	85+/-	0	85+/-
Acres of land altered	7.5+/-	-29.3%+/-	5.3+/-
Acres of impervious area	0	0	0
Square feet of bordering vegetated wetlands alteration	30000+/-	-100%	0
Square feet of other wetland alteration	1500+/-	-100%	0
Acres of non-water dependent use of tidelands or waterways	0	0	0
STRUCTURES			
Gross square footage	900+/-	0	900+/-
Number of housing units	1	0	1
Maximum height (in feet)	15	0	15
TRANSPORTATION			
Vehicle trips per day	10	0	10
Parking spaces	6	0	6
WATER/WASTEWATER			
Gallons/day (GPD) of water use	180,000	-11.4+/-%	159,467+/-
GPD water withdrawal	180,000	-11.4+/-	153,467+/-
GPD wastewater generation/ treatment	330	0	330
Length of water/sewer mains (in miles)	None	None	None

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).

SEE ATTACHMENT 'A' FOR ABOVE RESPONSES TO PROJECT CHANGE DESCRIPTION

ATTACHMENT 'A'

PROJECT CHANGE DESCRIPTION:

- (a) A brief description of the project as most recently reviewed

Previously reviewed ENF for 20+/- acre cranberry bog operation (12+/- ac. Existing, 7.5+/- ac. Expansion). Project proposed 180,000 gpd water withdrawal to serve current bog operation and expansion. Expansion involved wetland alteration and work within the Riverfront zone.

- (b) A description of material changes to the project as previously reviewed

Project has been modified to reduce the bog expansion area to 5.3+/- acres and water withdrawal for the expansion area to 49,467+/- gpd from 70,000 gpd. The project modification also includes the addition of a by-pass flume from the upper reservoir to Barrows Brook. Previously the upper reservoir flowed directly into the lower reservoir. The lower reservoir discharged into Barrows Brook via two (2) flumes. Under this modification water supply to the expansion area will be served by the lower reservoir via a pump station and discharge line located within the limits of the existing access road between the two areas. (see Expansion Plan Locus). The purpose of the by-pass flume is to help balance the flow entering Barrows Brook and to regulate the flow during different conditions. (see attached USDA diagram for expansion area). The proponent has at the request of DEP and local environmental groups placed a flow gauge downstream of the bogs in Barrows Brook to monitor flow conditions throughout the year. The by-pass flume may help regulate flow as necessary. It is estimated from available data that the current storage in the upper reservoir is approximately 17.0+/- acre-feet. The approximate available storage is estimated to be 8.5+/- acre-feet which is based on an average top of reservoir elevation. The lower reservoir is approximately 20.0+/- acre-feet. The approximate available storage is estimated to be 4.0+/- acre-feet which is based on an average top of reservoir elevation. Monthly and annual projected water usage data for both the existing bog operation and the proposed expansion is described in the Farm Management Plan included with this document.

- (c) The significance of the proposed changes, with specific reference to the factors listed 301 CMR 11.10(6)

- (a) The project size, has been reduced overall due exclusively to the expansion area by approximately 11+/-%.***
- (b) As described in the above responses, the overall size of the project has been reduced. However, in order to distribute water to the expansion area a gas powered pump station will be employed to to accomplish this. The station will be positioned at the lower reservoir. The station will be a self-contained suction lift station which will eliminate the***

exchange of reservoir water or runoff from interfacing with the mechanical components of the station. Every effort will be employed to ensure that the surrounding environmental resource areas are protected from any potential problem generated from the pump station.

- (c) Barring any unforeseen circumstances, the proponent anticipates maintaining the previously proposed construction schedule outlined in the ENF and WPA permit applications.**
 - (d) Limits Project site remain unchanged.**
 - (e) At this time there are no new requests or applications.**
 - (f) Not applicable to this project.**
 - (g) Not applicable to this project.**
- (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.....

As described in (c(b)), a self contained suction lift station which will eliminate the exchange of reservoir water or runoff from interfacing with the mechanical components of the station. Every effort will be employed to ensure that the surrounding environmental resource areas are protected from any potential problem generated from the pump station.

The expansion area has been reconfigured to abandon the previously proposed tail-water recovery area which required wetland alteration and replication. Additionally the reconfiguration locates the expansion area outside of the estimated wetland buffer zone as shown on the most recent MassGIS data layers.

The project is currently shown within the habitat area of the Eastern Box Turtle. The proponent has had discussions and a site visit with officials of the Natural Heritage Endangered Species Program (NHESP). The proponent and NHESP have mutually agreed to prepare a Conservation Management Plan for the Expansion area prior to construction. Said plan will be prepared in lieu of a Conservation Restriction area on the proponent's property.

ATTACHMENTS & SIGNATURES

Attachments:

1. Secretary's most recent Certificate on this project
2. Plan showing most recent previously-reviewed proposed build condition
3. Plan showing currently proposed build condition
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
5. List of all agencies and persons to whom the proponent circulated the NPC, in accordance with 301 CMR 11.10(7)

Signatures:

9/23/08	<i>John R. Pillsbury</i>		
Date	Signature of Responsible Officer or Proponent	Date	Signature of person preparing NPC (if different from above)

Steven R Pillsbury	
Name (print or type)	Name (print or type)

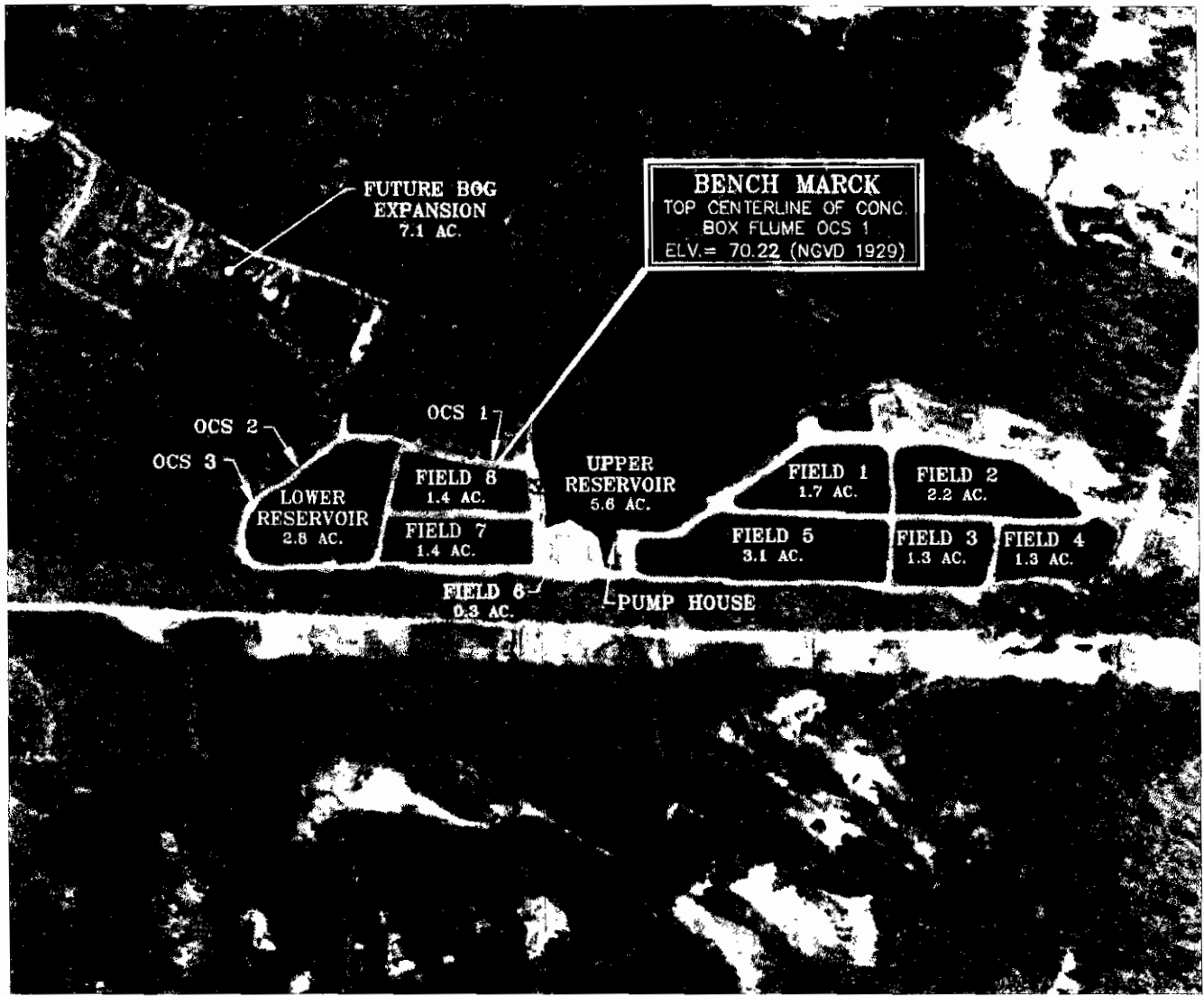
Firm/Agency	Firm/Agency
-------------	-------------

Street	Street
--------	--------

Municipality/State/Zip	Municipality/State/Zip
------------------------	------------------------

Phone	Phone
-------	-------

BOG LAYOUT AND FLUME PLAN



OUTLET CONTROL STRUCTURE (FLUME)

OCS	PIPE	MAX. WATER ELV. (FT)	INLET INV.	OUTLET INV.
1	18" CMP	70.17	65.89	65.89
2	15" CMP	64.67	62.09	62.09
3	15" CMP	64.67	61.10	61.10

NOTE: ALL ELEVATIONS REFERENCE THE 1929 NGVD DATUM



**SITE DESIGN
ENGINEERING, LLC.**
11 CUSHMAN STREET, MIDDLESBORO, MA 01948
T: 508-927-0573 F: 508-927-0574
WWW.SITEDSIGNING.COM

DATE : MARCH 10, 2008
PROJ. NO. : 7058
SCALE: 1" = 500'



WMA PERMIT PLAN

131 RING ROAD
PLYMPTON, MASSACHUSETTS

