

FOR REFERENCE

Do Not Take From This Room

NOTICE OF PROJECT CHANGE

EEA # 14235

Brayton Point Station Cooling Tower Project

Submitted to:

**Executive Office of Energy and
Environmental Affairs**

100 Cambridge Street, Suite 900
Boston, MA 02114

Submitted by:

Dominion Energy Brayton Point LLC

One Brayton Point Road
Somerset, MA 02726

March 31, 2010

Epsilon
ASSOCIATES INC.

ENGINEERS  ENVIRONMENTAL CONSULTANTS

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com



Dominion[®]

March 26, 2010

Secretary Ian A. Bowles
Executive Office of Energy and Environmental Affairs
100 Cambridge Street, Suite 900
Boston, MA 02114-2524

Attn: MEPA Unit

Re: Dominion Energy Brayton Point, LLC., Somerset, Massachusetts
Notice of Project Change - Brayton Point Station Cooling Tower Project

Dear Secretary Bowles:

Enclosed please find a Notice of Project Change (NPC) for the proposed Brayton Point Station Cooling Tower Project at Dominion's Brayton Point Station located in Somerset, Massachusetts. The cooling towers proposed are consistent with Orders of Compliance issued by the United States Environmental Protection Agency and Massachusetts Department of Environmental Protection issued on December 17, 2007 and March 27, 2008, respectively ("the Orders").

The Orders require Brayton Point Station to convert from open-cycle cooling to closed-cycle cooling in order to meet the heat and flow effluent limits in the Station's 2003 NPDES permit. This will be implemented by the construction of two natural draft cooling towers and supporting equipment. The Notice of Project Change reflects final system design. Therefore, in accordance with Section 11.10(6) of the MEPA regulations (301 CMR 11.00), we are requesting a finding that the project change is insignificant.

Copies of the NPC may be obtained from Ms. Nicole Wilkinson at (401) 457-9123 or e-mail address nicole.wilkinson@dom.com. If you have any questions, please contact Nicole Wilkinson at the contact information provided above.

Sincerely,

Cathy C. Taylor
Director of Electric Environmental Services

Dominion Energy Brayton Point, LLC

Notice of Project Change

Table of Contents

Notice of Project Change Form

Attachment A Secretary's Most Recent Certificate on the Project

Attachment B Previous Site Plan

Attachment C Currently Proposed Build Conditions

Attachment D USGS Locus Map

Attachment E Distribution List

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

For Office Use Only
Executive Office of Energy & Environmental Affairs

MEPA Analyst:
 Phone: 617-626-

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: Brayton Point Station Cooling Tower Project | | EEA #: 14235 |
| Street: One Brayton Point Road | | |
| Municipality: Somerset | Watershed: Mt. Hope Bay | |
| Universal Transverse Mercator Coordinates: | Latitude: 41.7171 o N Longitude: 71.1912 o W | |
| Status of project construction: | 25 | %complete |
| Proponent: Dominion Energy Brayton Point, LLC | | |
| Street: One Brayton Point Road | | |
| Municipality: Somerset | State: MA | Zip Code: 02725 |
| Name of Contact Person From Whom Copies of this NPC May Be Obtained: Meredith Simas | | |
| Firm/Agency: Dominion Energy Brayton Point, LLC | Street: One Brayton Point Road | |
| Municipality: Somerset | State: MA | Zip Code: 02725 |
| Phone: 508-646-5338 | Fax: 888-284-2888 | E-mail: meredith.simas@dom.com |

In 25 words or less, what is the project change? The project change involves . . .
 Final design of the cooling tower circulating water system in and around the Lower Control Basin.
 See full project change description beginning on page 3.

Date of ENF filing or publication in the Environmental Monitor: 4/23/2008

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

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:

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 | | | |
| Acres of land altered | 6.4 | 0.1 | 6.5 |
| Acres of impervious area | 6.4 | 0.1 | 6.5 |
| Square feet of bordering vegetated wetlands alteration | 0 | 0 | 0 |
| Square feet of other wetland alteration | 19,000 square feet Land under the Ocean 300 linear feet Coastal Bank | | 35,900 square feet Land under the Ocean 1,067 linear feet Coastal Bank |
| Acres of non-water dependent use of tidelands or waterways | 0 | 0 | 0 |
| STRUCTURES | | | |
| Gross square footage | 418,900 | 3,200 | 422,100 |
| Number of housing units | 0 | 0 | 0 |
| Maximum height (in feet) | 505 | 0 | 505 |
| TRANSPORTATION | | | |
| Vehicle trips per day | 5 | 0 | 5 |
| Parking spaces | 0 | 0 | 0 |
| WATER/WASTEWATER | | | |
| Gallons/day (GPD) of water use | 2,480,000 | 0 | 2,480,000 |
| GPD water withdrawal | 0* | 0 | 0 |
| GPD wastewater generation/ treatment | 593,600 | 0 | 593,600 |
| Length of water/sewer mains (in miles) | 1.8 | 0 | 1.8 |

*Previous MEPA filings have discussed *process* wastewater; no significant change is expected with this Project or its modification. The Project continues to reduce cooling water use as described in the ENF.

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. Brief Description of the Project as Most Recently Reviewed

Dominion Energy Brayton Point, LLC is retrofitting Brayton Point Station's existing open-cycle cooling system with a closed-cycle cooling system. The closed cycle cooling system will consist of two natural draft cooling towers and supporting equipment.

b. Description of Material Changes to the Project

The material changes involve updates to the ancillary facilities to reflect final design. The ENF described ancillary facilities, including a service building, a bulk chemical storage building, a new cooling water pump house, piping, and modifications to the existing water control structures.

The final design construction details include additional dredge at the head of the existing discharge channel (for proper installation of the cooling water pump house and water control structure), some fill at the head of the existing discharge channel (to avoid stagnant areas), a pipe bridge over the existing discharge channel (to allow cooling tower blowdown with minimized pipe friction energy losses), and an additional building (blowdown building, approximately 80 feet by 40 feet, to allow proper mixing and monitoring of cooling tower water discharge). A revised site layout figure is attached.

The table below compares prior certificate language to the modified project.

Changes from ENF Certificate Language

| Certificate Language | Dominion Comments |
|--|--|
| Approximately 19,000 square feet of Land Under the Ocean, 300 linear feet of Coastal Bank, Designated Port Area, and Riverfront Area will be impacted. | Impacts remain limited to modification of existing licensed (Chapter 91 and Army Corps of Engineers) discharge structures on site. Based on final construction details, approximately 35,900 square feet of Land Under the Ocean, 1,067 linear feet of Coastal Bank, Designated Port Area, and Riverfront Area will be impacted. |

c. Significance of the Proposed Changes

Each of the specific factors listed in 301 CMR 11.10(6) is copied below, along with a description of the significance of the proposed changes:

Significance of the Proposed Changes

| Standard per 301 CMR 11.10(6) | Significance of proposed change |
|--|---|
| Expansion in the physical dimensions of the project by 10% or more relative to the estimate previously reviewed, or a new exceedance of any review threshold | While some ancillary structures are added in the final project design, the overall physical project dimensions do not expand by more than 10%, and do not exceed any new review threshold. |
| Increase in the generation of an impact by 25% or more than the level specified in any review threshold, or a new exceedance of a review threshold | The total cubic yards of dredging has increased from 6,800 cubic yards to 15,222 cubic yards, exceeding the 11.03(3)(b)(3) ENF review threshold of 10,000 cubic yards. |
| Change in expected date for commencement of construction or schedule | Schedule remains in compliance with the EPA order. Construction has not commenced for the portions of the project discussed in this Notice of Project Change. |
| Change of project site (not applicable) | The site location has not changed. |
| New application for a permit or new request for financial assistance or land transfer | Minor modifications are being requested for the existing Chapter 91 license, Army Corps of Engineers authorization under the Programmatic General Permit, 401 Water Quality Certification, and Wetlands Protection Act Order of Conditions. |

| Standard per 301 CMR 11.10(6) | Significance of proposed change |
|---|--|
| For a project with net benefits to environmental quality and resources or public health, any change that prevents or materially delays realization of such benefits | The changes associated with the final design will not prevent or delay the environmental benefits associated with the Project. |
| For a project involving a lapse of time, changes in the ambient environment or information concerning the ambient environment (not applicable) | Not applicable; the schedule remains in compliance with the EPA order. |

d. Measures to Avoid Damage to the Environment

The project continues to take measures to avoid damage to the environment or to minimize and mitigate unavoidable environmental impacts. Construction protections for work in and near water include the use of turbidity control siltation curtains and cofferdams, as approved in the existing Chapter 91 license, Army Corps of Engineers authorization under the Programmatic General Permit, 401 Water Quality Certification, and Wetland Protection Act Order of Conditions.

Justification for a Finding that this Project Change is Insignificant

The proposed Project Change should be found insignificant for the following reasons:

1. The change is not associated with any fundamental change in the proposed design or operation of the Project, but instead reflects the completion of design details.
2. The size of the Project does not appreciably change, the timeline does not appreciably change, and the changes do not prevent or delay the environmental benefits associated with the Project. No new permits are required (although minor modifications will be obtained).
3. The coastal impacts associated with the Project Change are focused at the head of the existing discharge channel. This is an area that is historic upland, specifically created to be the discharge for Brayton Point Station. Consistent with the ENF, this area will be isolated from Mount Hope Bay by permanent water control structures; in that way, the actual overall impacts to water resources can be considered to be no different than what was described in the ENF. The proposed Project Change will not involve impacts to environmentally sensitive areas.
4. The Project remains a pollution control project. Installation of the towers will reduce cooling water use by about 900 million gallons per day, and will reduce Brayton Point's existing thermal discharge into Mount Hope Bay by 96%.
5. Many of the final design updates from the ENF are to allow a closed-cycle cooling water system with fewer energy losses.
6. There are no significant changes proposed to the system design and construction methods as previously approved in the issued Chapter 91 license, Army Corps of Engineers authorization under the Programmatic General Permit, 401 Water Quality Certification, and Wetland Protection Act Order of Conditions.

7. ATTACHMENTS & SIGNATURES

Attachments:

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

Signatures:

| | | | | |
|-----------------|--|------|--|---------|
| <u>KBCurtis</u> | 3-25-10 | | <u>A. Jablonowski</u> | 3-26-10 |
| Date | Signature of Responsible Officer or Proponent | Date | Signature of person preparing NPC (if different from above) | |

| | |
|---|---------------------------------------|
| <u>Katheryn B. Curtis</u> | <u>A.J. Jablonowski</u> |
| Name (print or type) | Name (print or type) |
| <u>Dominion Energy Brayton Point, LLC</u> | <u>Epsilon Associates, Inc.</u> |
| Firm/Agency | Firm/Agency |
| <u>5000 Dominion Blvd</u> | <u>3 Clock Tower Place, Suite 250</u> |
| Street | Street |
| <u>Glen Allen, VA 23060</u> | <u>Maynard, MA 01754</u> |
| Municipality/State/Zip | Municipality/State/Zip |
| <u>(804) 273-2920</u> | <u>(978) 897-7100</u> |
| Phone | Phone |

Attachment A

Secretary's Most Recent Certificate on the Project



The Commonwealth of Massachusetts
Executive Office of Energy and Environmental Affairs
100 Cambridge Street, Suite 900
Boston, MA 02114

Deval L. Patrick
GOVERNOR

Timothy P. Murray
LIEUTENANT
GOVERNOR

Ian A. Bowles
SECRETARY

Tel: (617) 626-1000
Fax: (617) 626-1181
<http://www.mass.gov/eovir>

May 23, 2008

CERTIFICATE OF THE SECRETARY OF ENERGY AND ENVIRONMENTAL AFFAIRS
ON THE
ENVIRONMENTAL NOTIFICATION FORM

PROJECT NAME : Brayton Point Generating Station
PROJECT MUNICIPALITY : Somerset
PROJECT WATERSHED : Mount Hope Bay
EOEA NUMBER : 14235
PROJECT PROPONENT : USGen New England, Inc.
DATE NOTICED IN MONITOR : April 23, 2008

Pursuant to the Massachusetts Environmental Policy Act (G. L. c. 30, ss. 61-62H) and Section 11.06 of the MEPA regulations (301 CMR 11.00), I determine that this project does not require the preparation of an Environmental Impact Report (EIR).

While the project will provide a significant benefit to the Mount Hope Bay marine environment, the proponent will be required to demonstrate that the project, in conjunction with other air emissions at the facility, will not cause or significantly contribute to exceedance of National Ambient Air Quality Standards (NAAQS) for any air pollutant. I note that the Department of Environmental Protection's (MassDEP) comment letter identifies a number of technical issues that must be addressed in order to assess the projects air quality impacts for MassDEP's permitting purposes. I am confident that MassDEP's rigorous, ongoing review will adequately address these remaining air quality impacts.

As described in the Environmental Notification Form, the proposed project consists of a retrofit to Brayton Point Station's existing open-cycle cooling system with a closed-cycle cooling system to comply with heat and flow limits specified in the October 2003 final National Pollutant Discharge Elimination System (NPDES) permit issued by the United States Environmental Protection Agency. The closed-cycle cooling system will consist of two natural draft cooling towers and supporting equipment.

The Brayton Point Station site consists of approximately 250 acres of land on Brayton Point, a peninsula in Somerset. The site is bordered by the Lee River to the west, the Taunton River to the east, a residential neighborhood and U.S. 195 to the north, and Mount Hope Bay to the south. This existing industrial facility, which has been operating since the 1960's, generates approximately 1,600 megawatts (MW) of power. It consists of boilers and associated air pollution control systems, including emission stacks. An Ash Reduction Process (ARP) enables the proponent to recycle 100% of the fly ash created. Coal ash is re-burned to produce a high quality ash with low carbon content that can be used as a replacement of Portland cement in the production of concrete. The facility includes a coal pile, a pier for barge deliveries, storage domes, an electrical distribution system, a stormwater treatment system, wastewater treatment system, access roads and parking lots.

Permits and Jurisdiction

The project is subject to environmental review pursuant to Section 11.03 (1)(b)(2), Section 11.03 (3)(b)(1)(e) and Section 11.03 (8)(b)(2) because it requires a state permit and consists of the creation of five or more acres of impervious land, the new fill or structure or Expansion of existing fill or structure in a velocity zone or regulated floodway, and the modification of an existing major stationary source resulting in a "significant net increase" in actual emissions of greater than 15 tons per year (tpy) of particulate matter (PM) as PM10. The project requires a Major Comprehensive Air Plan Approval, a Wastewater Treatment System Plan Approval, a modification to the Chapter 91 License, and a 401 Water Quality Certification from the MassDEP and Federal Coastal Zone Consistency Review from the Office of Coastal Zone Management (CZM). The project will also require an Order of Conditions from the Somerset Conservation Commission (and a Superseding Order of Conditions from the MassDEP if the local Order is appealed), a Federal Aviation Administration (FAA) Notification, a Prevention of Significant Deterioration (PSD) Permit from the US Environmental Protection Agency (EPA) and a Section 10/404 Permit from the Army Corps of Engineers (ACOE).

The proponent is not seeking financial assistance from the Commonwealth. Therefore, MEPA jurisdiction applies to those aspects of the project within the subject matter of required permits with the potential to cause Damage to the Environment. In this case, MEPA jurisdiction extends to air quality, water quality, tidelands, land and wetlands.

Water Quality and Habitat

Brayton Point is the largest industrial discharger to Mount Hope Bay. The station currently withdraws a total of approximately one billion gallons of water from the Taunton River and/or the Lee River intake structures and circulates it through the facility to condense the steam used to produce electricity. The water is then discharged back to the Bay at elevated temperatures of up to 95° Fahrenheit.

The NPDES permit for Brayton Point has been the subject of review by EPA, MassDEP, the Rhode Island Department of Environmental Management, Coastal Zone Management, the Division of Marine Fisheries (Marine Fisheries), Conservation Law Foundation, Save the Bay and many other state and federal agencies and public advocacy groups. EPA, in close coordination with MassDEP the RI Department of Environmental Management, issued a NPDES

permit to ensure compliance with state and federal water quality standards and address the facility's impact on Mount Hope Bay. The decision established limitations on the volume, temperature and composition of the discharge, and established monitoring and reporting requirements. The permit does not authorize continued use of "once-through" cooling water and is based on the assumption that the facility would convert to closed-cycle and use mechanical-draft cooling tower technology to meet the permit's flow and heat load allowances. The volume of water and generation of waste heat will be reduced by over 95%.

The cessation of once-through cooling will ensure that Brayton Point will no longer withdraw and discharge nearly one billion gallons of water per day from Mount Hope Bay, greatly reducing the entrainment and impingement impacts on fish and other aquatic life, in addition to alleviating impacts associated with discharging large quantities of heat to the Bay. These changes are expected to help restore important estuarine habitat in the bay.

It is well established and documented that the Mount Hope Bay and the Taunton River provide valuable habitat for a diverse assemblage of finfish and invertebrates. The cooling process will result in the evaporation of 9,000 to 14,000 gallons of Taunton River water per minute. Marine Fisheries has raised concerns that the plume drift over nearby salt marshes could at times cause a high salinity precipitate adversely impacting these resource areas. In addition, the salinity of the discharge waters will increase up to 1.5 times that of the ambient intake waters. The proponent should consult with Marine Fisheries to address the concerns raised in its comment letter.

Wetlands

Because Brayton Point is surrounded by the Lee and Taunton Rivers, much of the site may be included within the Riverfront Protection Area (RPA). The facility has been committed to this industrial use since the 1960s. The impacts to wetlands are limited to modification of discharge structures on site. Approximately 19,000 square feet of Land Under the Ocean, 300 linear feet of Coastal Bank, Designated Port Area, and Riverfront Area will be impacted. The site is also proximate to Salt Marsh, Coastal Beach, Land Containing Shellfish, and Bordering Vegetated Wetland. There were no plans available in the ENF to determine whether the extent of construction proposed would alter these areas.

The ENF indicates that compliance with the Stormwater Management Standards effective in January 2008 will be affected. Structures associated with and essential to an electric generating facility may be permitted pursuant to 310 CMR 10.24(7)(a)(5). I note that those portions of the project subject to jurisdiction under Chapter 91 are exempt from the Riverfront Area requirements pursuant to 310 CMR 10.58(6)(i).

I advise the proponent that any Notice of Intent or 401 Water Quality Certification application submitted to MassDEPs' Wetlands Program must include plans illustrating the wetlands resource areas and details of the proposed construction and any temporary and/or permanent impacts to the each wetland resource; a narrative and plans showing how wetlands impacts have been avoided or minimized, as well as mitigation measures that are proposed to be taken; and detailed analyses, plans and calculations for compliance with Stormwater Management Standards.

EEA# 14235

ENF Certificate

May 23, 2008

Waterways

The project site is located within a Designated Port Area within the Town of Somerset. As indicated within the ENF, submittal of a Chapter 91 Waterways License application for a water-dependent use, as defined at 310 CMR 9.12, is required for this project. I note that any application submitted to the Chapter 91 Waterways Program shall include historic documentation, including copies of authorizations and/or licenses together with their accompanying plans, as further described pursuant to 310 CMR 9.11(3)(b) and (c). I advise the proponent to contact MassDEP's Waterways Program to address the Chapter 91 required material.

Air Quality

The ENF indicates that actual emissions would increase by 15 tons per year (tpy) of particulate matter (PM) as PM10. MassDEP has noted in its detailed comment letter that the potential emissions of 379 tons/year of PM 10 and PM2.5 may need to be permitted which could result in PM10 and PM2.5 actual emissions to be far in excess of 15 tons/year.

MassDEP agrees that currently there is uncertainty on how the potential PM2.5 and PM10 emissions will be predicted and how compliance with the future PM10 emission limit will be demonstrated. In consideration of this uncertainty, the proponent must provide in the plan approval application, to be submitted to MassDEP, information supporting the use of the ENF referenced methodology. The plan approval application will need to address, as a minimum, the following: copies of peer reviews on the calculation methodology; identification of projects that utilized this calculation methodology in air quality permitting and project(s) current status; a summary of available PM10 and PM2.5 stack (tower) emission test data in comparison to predicted emissions based on the referenced methodology; and proposed stack (tower) emission test method(s) and monitoring, including water droplet size distribution of the drift exiting the towers, to document compliance with PM10 and PM2.5 proposed emission limits developed utilizing the referenced calculation methodology.

I note that on a related matter concerning PM10 and PM2.5 emissions, Brayton Point Station will include additional modifications to Unit 3, a 633 MW net coal fired boiler, in the cooling tower plan approval application that must be submitted to MassDEP. The modifications will consist of the construction of spray dryer absorber (SDA) and fabric filter (FF) for the control of acid gases and particulate. This action may be subject to a Notice of Project Change from the MEPA Office for a previously submitted ENF (EEA No. 13022). The SDA/FF is likely to cause a net emission increase of potential PM emissions.

The ENF indicates that modeling will be performed to document that the project will not cause or significantly contribute to the violation of National Ambient Air Quality Standards (NAAQS) for any air pollutant. Condensed water vapor from the cooling towers will cause a visible exhaust plume and depending on weather conditions the condensed water vapor may cause ground level fogging or icing. MassDEP has stated in its comment letter that fogging and icing impacts are mitigated through the use of natural draft towers, which are much taller than

EEA# 14235

ENF Certificate

May 23, 2008

mechanical draft cooling towers and reduce the likelihood of condensed water vapor reaching ground level.

A Major Comprehensive Plan Application (CPA) Approval will be required base upon a potential emission rate of 379 tons/year of PM10 and PM2.5. As indicated the CPA will need to include a demonstration of compliance with NAAQS, application of Best Available Control Technology (BACT) for particulate matter, and a demonstration of compliance with the MassDEP's noise policy.

Visual/Historic

As a general matter, the cooling towers will have significant visual impacts to the immediate area. I strongly encourage the proponent to implement all feasible means of minimizing and mitigating these impacts.

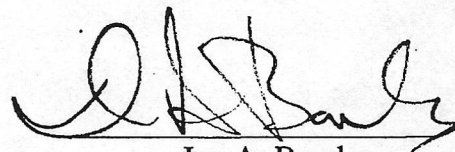
The Massachusetts Historical Commission (MHC) will be reviewing the project as a consulting party in compliance with Section 106 of the National Historic Preservation Act of 1966 as amended (36 CFR 800). MHC requests that the proponent undertake a visual effect study to evaluate the visual effects of the project on the character and setting of historic properties and historic districts in the visual area of potential effect for the project. Prior to undertaking this study, the proponent should consult with the Lead Federal Agency, which should notify the MHC and other consulting parties directly to consult on determining an appropriate study area and the methods and scope for the visual effect study (36 CFR 800.4(a)).

Conclusion

The ENF and ongoing permit processes have disclosed the potential impacts and proposed mitigation in detail; these issues are subject to ongoing review under local, state and federal permitting processes. Based on a review of the information provided in the ENF and consultation with relevant public agencies, I find that the potential impacts of this project do not warrant the preparation of an EIR.

May 23, 2008

Date



Ian A. Bowles

Comments Received:

| | |
|----------|--|
| 04/24/08 | Massachusetts Aeronautics Commission (forwarded by K. Lesser, Epsilon) |
| 04/25/08 | Russell Castonguay |
| 05/08/08 | Petition from the Mount Hope Condominium Resident Association |
| 05/09/08 | MA Office of Coastal Zone Management |
| 05/12/08 | Mass Audubon and the Taunton River Watershed |

EEA# 14235

ENF Certificate

May 23, 2008

Comments Received(continued):

- 05/13/08 Department of Environmental Protection SERO
- 05/13/08 Division of Marine Fisheries
- 05/16/08 Massachusetts Historical Commission

IAB/ACC/acc

Attachment B

Previous Site Plan

STA 200+00
E-W STA BASELINE

STA 210+00

N211+52.00
E84+42.00

N211+52.00
E90+92.00

N198+80.29
E89+30.36

A

B

C

D

NEW WATER CONTROL
STRUCTURE FOR CLOSED
CYCLE COOLING

NEW WATER CONTROL
STRUCTURE TO ISOLATE
UNIT 4 INTAKE

COOLING TOWER
PUMP HOUSE

COOLING TOWER
BULK CHEMICAL
STORAGE BUILDING

COOLING TOWER 52

COOLING TOWER
SUBSTATION BLDG

REMOVE IN WATER STRUCTURES AS
REQUIRED

OVERFLOW
SPILLWAY

REMOVE EXISTING
WATER CONTROL
STRUCTURE

NEW 115KV

NEW 115KV

UPPER DISCHARGE
BASIN

COOLING TOWER 51

COOLING TOWER
SERVICE BUILDING

UNIT 4
TIE-IN

UNIT 4

UNIT 3
TIE-IN

UNIT 2
TIE-IN

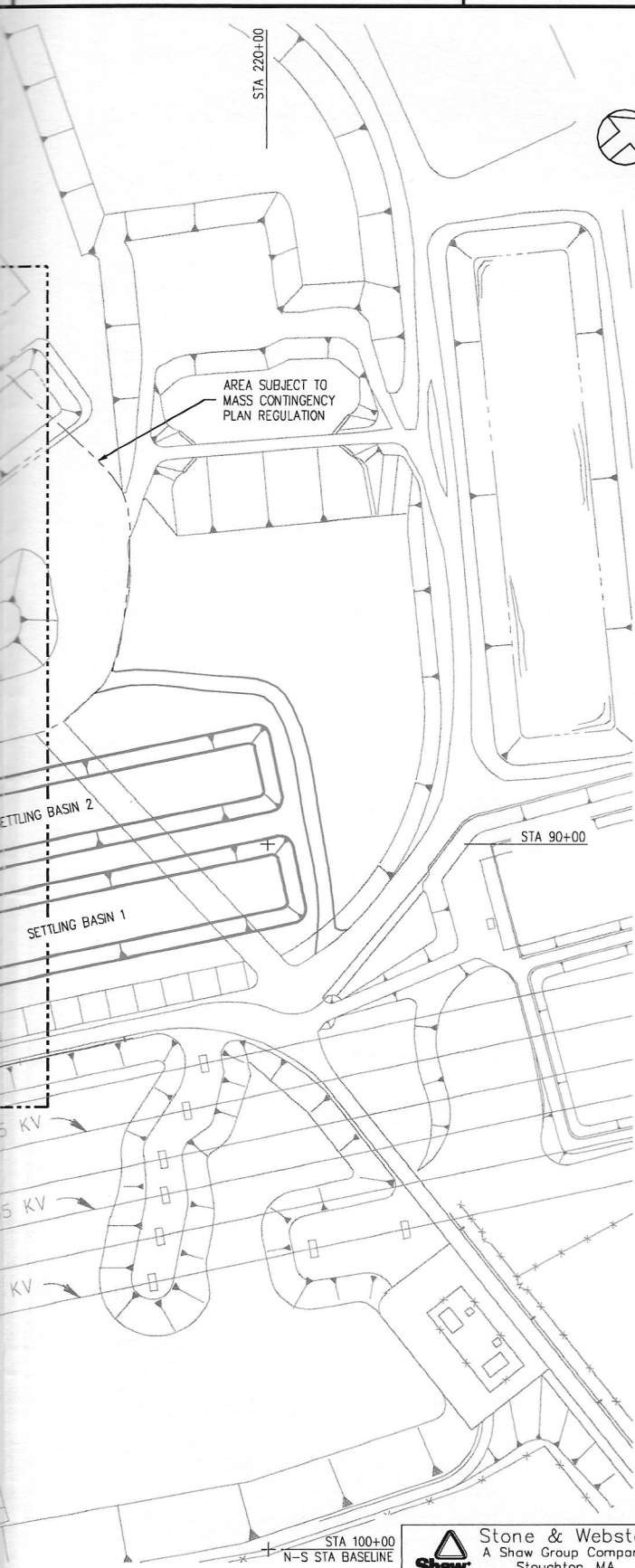
UNIT 1
TIE-IN

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|----|-----|------|------|------|------|------|------|------|------|------|------|------|----|-----|------|------|------|------|------|------|------|------|------|------|------|----|
| 1 | | | | | | | | | | 4 | | | | | | | | | | 5 | | | | | | | | | | | | | | | | | | |
| REV | DATE | DSGN | DRWN | CHKD | DSGN | LEAD | CIVL | ELEC | MECH | ARCH | E.M. | MG | REV | DATE | DSGN | DRWN | CHKD | DSGN | LEAD | CIVL | ELEC | MECH | ARCH | E.M. | MG | REV | DATE | DSGN | DRWN | CHKD | DSGN | LEAD | CIVL | ELEC | MECH | ARCH | E.M. | MG |

4

5

6



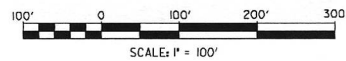
A

B

C

D

PRELIMINARY FOR REVIEW ONLY



Stone & Webster
A Shaw Group Company
Stoughton, MA.



| | |
|---|--|
| Dominion | |
| FOSSIL & HYDRO ENGINEERING | |
| Attachment B Most-Recently Reviewed Proposed Build Condition | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|------|-----|-----|------|------|------|------|------|------|-------|------|------|------|------|-----|-----|------|------|------|----------------------|-------------------------------------|---|-----------|------|------|------|------|-----|-------|---------------|------------------------|-----------|------|
| 2 | | | | | | | | | | 1 | | | | | | | | | | DSGN DRWN CHKD | DSGN SUPV ENGR SUPV LEAD ENGR | DATE: DGNSPEC FOR FILE VERIFICATION DRAWING NO. H-204916 | REV. B | | | | | | | | | | |
| ARCH | E.M. | I&C | REV | DATE | DSGN | DRWN | CHKD | DSGN | LEAD | CIVIL | ELEC | MECH | ARCH | E.M. | I&C | REV | DATE | DSGN | DRWN | CHKD | DSGN | LEAD | CIVIL | ELEC | MECH | ARCH | E.M. | I&C | DISPL | SCALE 1"=100' | UNLESS OTHERWISE NOTED | SH 1 OF 2 | TASK |

4

5

REV. ORIGINAL ISSUE FOR: ASSIGNED FOR CLIENT REVIEW

Attachment C

Currently Proposed Build Conditions

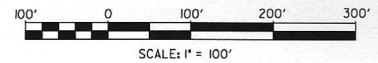
STA 220+00



SETTLING BASIN 2
SETTLING BASIN 1

STA 90+00

STA 100+00
N-S STA BASELINE



Dominion

FOSSIL & HYDRO ENGINEERING

Attachment C
Plan Showing Currently-Proposed Build Condition

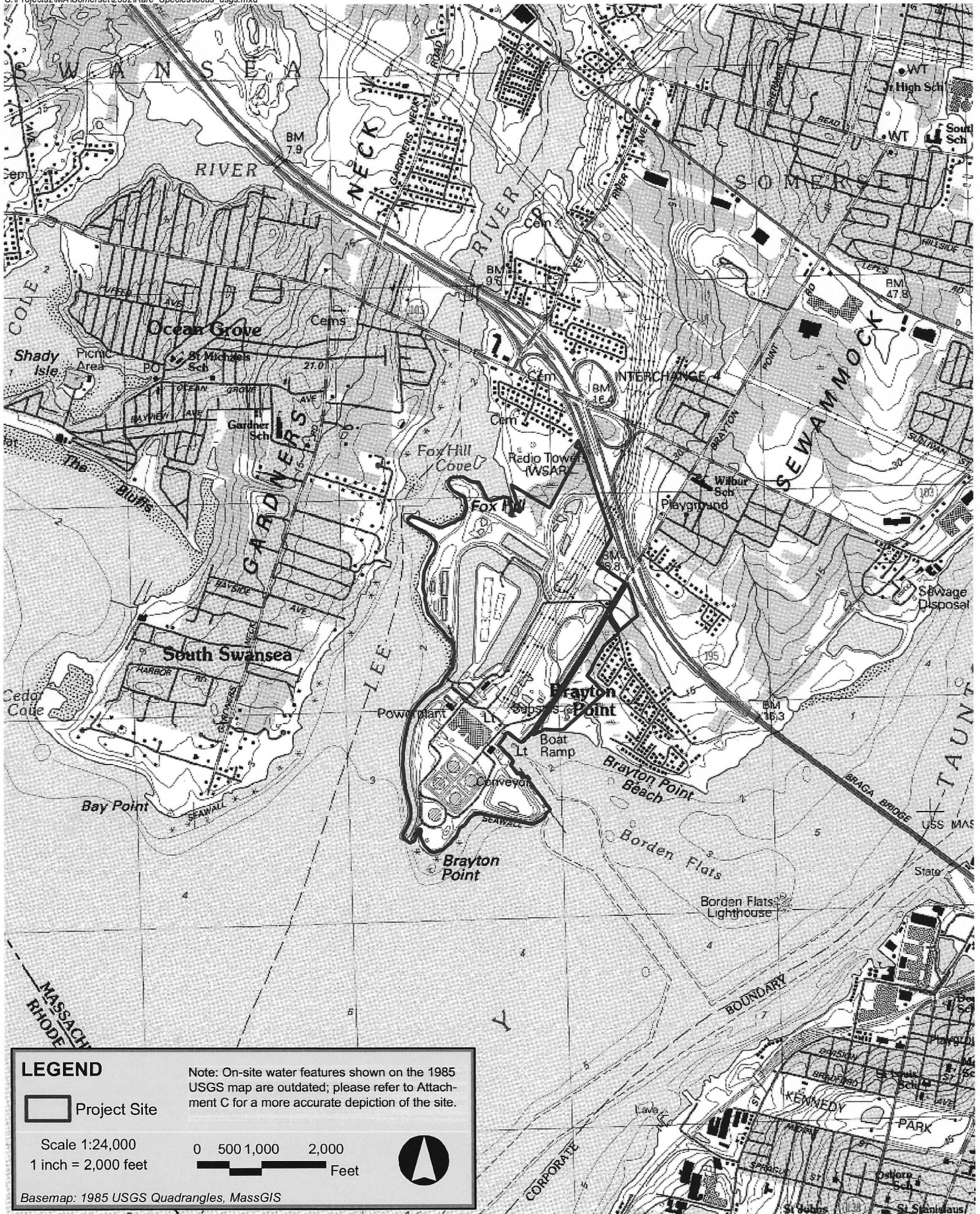
| | | | |
|---------------|-----------|---|-----------|
| DSGN | DSGN SUPV | DATE: DGN SPEC FOR FILE VERIFICATION | REV. |
| DRWN | ENGR SUPV | DRAWING NO. | C |
| CHKD | LEAD ENGR | H-204916 | |
| SCALE 1"=100' | | UNLESS OTHERWISE NOTED | SH 1 OF 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------|------|------|-----|------|------|------|------|------|------|-------|------|------|------|------|------|-----|------|------|------|------|------|------|-------|------|------|------|------|------|-------|
| ARCH | E.M. | J&C | REV | DATE | DSGN | DRWN | CHKD | DSGN | LEAD | CIVIL | ELEC | MECH | ARCH | E.M. | J&C | REV | DATE | DSGN | DRWN | CHKD | DSGN | LEAD | CIVIL | ELEC | MECH | ARCH | E.M. | J&C | DISPL |
| | ENGR | ENGR | | | | | | SUPV | ENGR | ENGR | ENGR | ENGR | | ENGR | ENGR | | | | | | SUPV | ENGR | ENGR | ENGR | ENGR | | ENGR | ENGR | ENGR |

A
B
C
D
TASK
REV. OF ORIGINAL ISSUE FOR:
ISSUED FOR CLIENT REVIEW

Attachment D

USGS Locus Map



Brayton Point Cooling Tower Project Somerset, Massachusetts

Attachment E

Distribution List

Dominion Energy Brayton Point Station
Cooling Tower Project, EOE Number 14235
MEPA Notice Of Project Change

ATTACHMENT E:

List of Each Agency or Person who received the ENF or commented on the ENF

ORIGINAL CIRCULATION LIST

Secretary Ian A. Bowles
Executive Office of Energy and
Environmental Affairs
Attn: MEPA Office
100 Cambridge Street, Suite 900
Boston, MA 02114

Executive Office of Energy and
Environmental Affairs
Undersecretary for Policy
100 Cambridge Street, Suite 900
Boston, MA 02114

Department of Environmental Protection
Commissioner's Office
One Winter Street
Boston, MA 02108

Department of Environmental Protection
Southeast Regional Office
Attn: MEPA Coordinator
20 Riverside Drive
Lakeville, MA 02347

Department of Environmental Protection
Division of Wetlands & Waterways
One Winter Street
Boston, MA 02108

Department of Environmental Protection
Southeast Regional Office, BWP
Attn: John Winkler
20 Riverside Drive
Lakeville, MA 02347

Department of Environmental Protection
Southeast Regional Office, BRP
Attn: Robert Greene
20 Riverside Drive
Lakeville, MA 02347

Department of Telecommunications &
Energy
Attn: MEPA Coordinator
One South Station
Boston, MA 02110

Executive Office of Transportation
Attn: Environmental Reviewer
10 Park Plaza, Room 3510
Boston, MA 02116-3969

Massachusetts Highway Department
Public/Private Development Unit
10 Park Plaza
Boston, MA 02116

MHD - District #5
Attn: MEPA Coordinator
Box 111
1000 County Street
Taunton, MA 02780

Massachusetts Aeronautics Commission
Attn: MEPA Coordinator
10 Park Plaza, Rm. 6620
Boston, MA 02116-3966

Massachusetts Historical Commission
The MA Archives Building
Attn: Brona Simon
220 Morrissey Boulevard
Boston, MA 02125

Southeastern Regional Planning &
Economic Development District
88 Broadway
Taunton, MA 02780

Coastal Zone Management
Attn: Project Review Coordinator
251 Causeway Street, Suite 800
Boston, MA 02114]

Board of Health
Town of Somerset
140 Wood Street
Somerset, MA 02726

Division of Marine Fisheries
Attn: Environmental Reviewer
838 South Rodney French Boulevard
New Bedford, MA 02744

Town of Somerset Public Library
1464 County Street
Somerset, MA 02726

Natural Heritage and Endangered Species
Program
Division of Fisheries & Wildlife
Attn: Thomas French
North Drive
Westborough MA 01581

City of Fall River Public Library
104 North Main Street
Fall River, MA 02720

Massachusetts Department of Public
Health
Director of Environmental Health
250 Washington Street
Boston, MA 02115

Town of Swansea Public Library
69 Main Street
Swansea, MA 02777

U.S. Army Corps of Engineers
Attn: Karen Adams
696 Virginia Road
Concord, MA 01742

Alternatives for Community and
Environment
Attn: Gene Benson
2181 Washington Street
Roxbury, MA 02119

U.S. EPA Region 1
Attn: Brendan McCahill
1 Congress Street
Boston, MA 02114

Healthy City Fall River
Attn: Billy Jane Valente
P.O. Box 9608
Fall River, MA 02720

Board of Selectmen
Town of Somerset
140 Wood Street
Somerset, MA 02726

Coalition for Social Justice
56 North Main Street, Suite 403
Fall River, MA 02720

Planning Board
Town of Somerset
140 Wood Street
Somerset, MA 02726

COMMENTERS:
Russell Castonguay
16 Maplewood Ave.
Swansea, MA 02777

Conservation Commission
Town of Somerset
140 Wood Street
Somerset, MA 02726

Mass Audubon/ Taunton River
Watershed Alliance Inc.
The River Center at Boyden Refuge
1298 Cohannet Street
Taunton MA02780

Mount Hope Condominium Resident
Association
919 Bay Street
Fall River, MA 02724