

**HALEY &
ALDRICH**

Haley & Aldrich, Inc.
465 Medford St.
Suite 2200
Boston, MA 02129-1400

Tel: 617.886.7400
Fax: 617.886.7600
HaleyAldrich.com

11/18/09
received
MAG 910
442

Letter of Transmittal

Date 18 November 2009
File Number 31502-060
From Iliana Alvarado

To US Environmental Protection Agency
Industrial NPDES Permits (CIP)
1 Congress Street, Suite 1100
Boston, MA 02114-2023

Attention Ms. Shelly Puleo

Copy to Partners HealthCare System, Inc.; Kathryn West
Partners HealthCare System, Inc.; Tim Pattison
Partners HealthCare System, Inc.; David Burson
Boston Redevelopment Authority; Kathleen Pedersen
Walsh Brothers, Inc.; Frank Morse
Walsh Brothers, Inc.; James Lyons
Haley & Aldrich, Inc.; Mark X. Haley
Haley & Aldrich, Inc.; Lisa Turturro
Vanasse Hangen Brustlin, Inc.; Mark Junghans
Perkins + Will; Jessica Stebbins
Boston Water and Sewer Commission; Francis McLaughlin

Subject Notice of Intent (NOI)
Temporary Construction Dewatering
Spaulding Rehabilitation Hospital
Parcels 6 and 7 – Charlestown Navy Yard
Charlestown, Massachusetts

Copies	Date	Description
1	18 Nov 2009	Notice of Intent

Transmitted via ☐ First class mail ☐ Overnight express ☒ Hand delivery ☐ Other



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One Congress Street, Suite 1100
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Attention: Ms. Shelly Puleo

Subject: Notice of Intent (NOI)
Temporary Construction Dewatering
Spaulding Rehabilitation Hospital
Parcels 6 and 7 - Charlestown Navy Yard
Charlestown, Massachusetts

Ladies and Gentlemen:

In accordance with the National Pollutant Discharge Elimination System (NPDES) Remediation General Permit (RGP) in Massachusetts, MAG910000, this letter submits a Notice of Intent (NOI) and the applicable documentation as required by the US Environmental Protection Agency (EPA) for construction site dewatering under the RGP. Temporary dewatering is planned in support of the construction activities proposed at the Yard's End Parcels 5, 6 and 7 site, located in the Former Charlestown Navy Yard in Charlestown, Massachusetts, as shown on Figure 1 - Project Locus.

The current property owner is the Boston Redevelopment Authority (BRA). Partners HealthCare System, Inc. (Partners) is a potential purchaser of the Site and currently plans to construct a new facility for the Spaulding Rehabilitation Hospital at Parcel 6. The new facility will consist of an eight-story building with two levels of below-grade parking which will require an excavation of up to 30 ft below ground surface. The work will also include excavations for utility installations, soil remediation, and landscaping. Plans for Parcel 7 include the repair of an existing seawall, construction of a public access harborwalk, soil remediation, and use for short-term construction staging in conjunction with the proposed redevelopment of Parcel 6. Activities on Parcel 5 are limited to soil remediation to support the establishment of a site driveway area.

Site History

The Charlestown Navy Yard area within which the Site is located was formerly part of the Boston Naval Shipyard of the United States Navy. The northeastern and eastern boundary of the site consists of the Little Mystic River or the Boston Inner Harbor. Historically, the Site was under water and was originally used as a timber receiving dock between 1834 and 1890. By 1920, the Site had been filled and developed with several buildings, scrap storage bins, and a dump area. Over time, 17 naval

buildings were located at the Site, including storage facilities for oil, paint, flammables, pipe, steel, machinery, and lumber at various times; a refuse incinerator; a sandblasting facility; and a fire pump house. Several other features were formerly located at the Site, including storage bins, dump areas, a fuel oil underground storage tank, and several aboveground storage tanks.

The Boston Naval Shipyard was decommissioned in 1974. BRA, a municipal redevelopment authority, acquired the Site in 1979 for urban renewal purposes. The Site has been largely unused since that time, with the exception of the use of portions of the Site as a staging area for nearby construction projects. Previously existing buildings at the Site were demolished by the late 1990s.

Regulatory Background

Yard's End Parcels 5, 6 and 7 at the Charlestown Navy Yard were previously reported as one Site to the Massachusetts Department of Environmental Protection (MassDEP) by the BRA in 1990 due to the identification of concentrations of polychlorinated biphenyls (PCBs), oil and grease, and lead in soil. At that time, MassDEP assigned Release Tracking Number (RTN) 3-3372 to the three parcels and subsequently issued a Massachusetts Contingency Plan (MCP, 310 CMR 40.0000) Waiver of Approvals.

Partners conducted due diligence investigations at the Site in 2004 and 2005 and, based on the results, the BRA re-reported the Site to the MassDEP based on oil and hazardous material (OHM) concentrations exceeding MCP Reportable Concentrations at Parcels 6 and 7 in August 2005. At the request of the BRA, MassDEP agreed to assign a new RTN (RTN 3-25132) to Parcels 6 and 7, and to reassign RTN 3-3372 to Parcel 5 only. Although not required due to its status as a municipal redevelopment authority, the BRA voluntarily submitted an MCP Phase I Initial Site Investigation Report, Tier II Classification Submittal and Conceptual Phase II Scope of Work to the MassDEP in August 2006.

Based on concentrations of PCBs detected in soils, and due to uncertainty regarding the date of the release and the original concentration of the release of PCBs, a portion of the Site is subject to regulation under the Toxic Substances Control Act (TSCA). Accordingly, a Self-Implementing Cleanup and Disposal Plan (Self-Implementing Plan) was submitted to the US Environmental Protection Agency on 18 September 2009.

The proposed remedial activities and Site improvements will be conducted pursuant to an MCP Release Abatement Measure (RAM) Plan that was submitted for public comment on 6 October 2009, and will be coordinated with and conducted in accordance with the requirements of the TSCA Self-Implementing Plan. The RAM Plan and the TSCA Self-Implementing Plan will provide guidance for the management of soils and groundwater at the Site during redevelopment.

Temporary Construction Dewatering Notice of Intent

In support of the NOI, groundwater samples were collected from two observation wells (HA-C2(OW) and HA-10(OW)) located within the project site. The results of water quality testing conducted for this NOI are summarized in Table I. Additional groundwater quality data have been collected at the site

from several site observation wells. The results of the additional water quality testing are summarized in Table II. The location of the observation wells is shown on Figure 3.

Dewatering will be conducted from sumps or well points located inside the sheeted excavation, and also from smaller, local excavations outside the proposed foundation limits for the installation of utilities and landscaping and for remedial excavation. Dewatering is necessary to control groundwater, seepage, precipitation, surface water runoff and construction-generated water to enable construction in-the-dry. Construction and construction dewatering is currently anticipated to begin in December 2009.

Prior to discharge, collected watering will be routed through a sedimentation tank and bag filter, at a minimum, to remove suspended solids and undissolved chemical constituents (metals), as shown in the Proposed Treatment System Schematic included in Figure 2 herein. Construction dewatering under this RGP NOI will include piping and discharging to storm drains located within and near the site. The storm drains travel a short distance northeast within the site and discharge directly into the Little Mystic Channel/Boston Inner Harbor. The proposed discharge route is shown on Figure 3, Proposed Dewatering Discharge Route.

Appendices

The completed "Suggested Notice of Intent" (NOI) form as provided in the RGP is enclosed in Appendix A. The Boston Redevelopment Authority currently owns the site; however, it is anticipated that ownership of the site will be transferred to Partners during construction. The site operator is Walsh Brothers Incorporated (Walsh). Walsh is the construction manager and will hire a subcontractor to conduct the Site work, including the dewatering activities. Haley & Aldrich, Inc. (Haley & Aldrich) will monitor the Contractor's dewatering activities on behalf of Partners. In accordance with the requirements for this NOI submission, Partners as the potential future owner and Walsh as the construction manager are listed as co-permittees for this NPDES RGP, and therefore both have signed the NOI form.

Appendix B provides Material Data Safety Sheets (MSDS) and fact sheets for possible chemical additives or treatments to be used in the treatment system. A Best Management Practices Plan (BMPP), which outlines the proposed discharge operations covered under the RGP, is included in Appendix C. Appendices D and E include National Register of Historic Places and Endangered Species Act Documentation, respectively. Appendix F provides the BWSC Permit Application to be submitted separately to the Boston Water and Sewer Commission. A copy of the groundwater testing laboratory results are provided in Appendix G. Appendix H includes the Notice of Change Form to be submitted to the EPA when property ownership is transferred from the BRA to Partners.

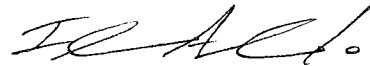
Closing

Thank you very much for your consideration of this NOI. Please feel free to contact us should you wish to discuss the information contained herein or if you need additional information.

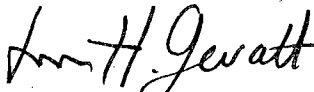
Sincerely yours,
HALEY & ALDRICH, INC



Kenneth N. Alepidis
Staff Environmental Geologist



Iliana Alvarado, P.E.
Senior Engineer



For Mark X. Haley, P.E.
Senior Vice President

Attachments:

- Table I - Summary of Groundwater Quality Data
- Table II - Summary of Additional Groundwater Quality Data
- Figure 1 - Site Locus
- Figure 2 - Proposed Treatment System Schematic
- Figure 3 - Proposed Dewatering Discharge Routes
- Appendix A - Notice of Intent (NOI) for Remediation General Permit (RGP)
- Appendix B - MSDS and Fact Sheets
- Appendix C - Best Management Practices Plan (BMPP)
- Appendix D - National Register of Historic Places and Massachusetts Historical Commission Documentation
- Appendix E - Endangered Species Act Documentation
- Appendix F - BWSC Permit Application
- Appendix G - Laboratory Data Reports
- Appendix H - Notice of Change Form

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TABLE I - SUMMARY OF GROUNDWATER QUALITY DATA
SPAULDING REHABILITATION HOSPITAL
PARCELS 6 AND 7 - CHARLESTOWN NAVY YARD
CHARLESTOWN, MASSACHUSETTS
FILE NO.: 31502-060

LOCATION SAMPLING DATE LAB SAMPLE ID MATRIX	HA-C2(OW) 6/1/2009 L0907022-01 Aqueous	HA-10(OW) 6/1/2009 L0907022-02 Aqueous
VOCs by GC/MS (ug/L)		
Tetrachloroethene	7.2	ND(0.75)
cis-1,2-Dichloroethene	3.2	ND(0.5)
Trichloroethene	1	ND(0.5)
Total VOCs by GC/MS	11.4	ND
SVOCs by GC/MS (ug/L)		
Total SVOCs by GC/MS	ND	ND
SVOCs by GC/MS-SIM (ug/L)		
Acenaphthene	ND(0.1)	0.38
1-Methylnaphthalene	ND(0.1)	5.6
2-Methylnaphthalene	ND(0.1)	1.3
Total SVOCs by GC/MS-SIM	ND	7.28
Total Metals (ug/L)		
Antimony, Total	ND(1)	ND(1)
Arsenic, Total	3.3	11.3
Cadmium, Total	ND(0.4)	ND(1)
Chromium, Total	ND(1)	ND(1)
Chromium, Hexavalent	ND(5)	ND(5)
Copper, Total	4.1	13.7
Iron, Total	5200	3500
Lead, Total	11.6	11.3
Mercury, Total	ND(0.1)	0.4
Nickel, Total	ND(1)	4.2
Selenium, Total	5	70
Silver, Total	ND(0.8)	ND(0.8)
Zinc, Total	27.1	62.8
Dissolved Metals (ug/L)		
Antimony, Dissolved	ND(1)	ND(1)
Arsenic, Dissolved	4.6	11.6
Cadmium, Dissolved	ND(0.4)	-
Chromium, Dissolved	ND(1)	ND(1)
Copper, Dissolved	3.1	13.5
Iron, Dissolved	6000	3500
Lead, Dissolved	5.6	9.7
Mercury, Dissolved	ND(0.1)	0.3
Nickel, Dissolved	2.5	4.3
Selenium, Dissolved	9	69
Silver, Dissolved	ND(0.8)	ND(0.8)
Zinc, Dissolved	22.8	60.8
PCBs (ug/L)		
Total PCBs	ND	ND
Pesticides by GC (ug/L)		
1,2-Dibromoethane	ND(0.0105)	ND(0.0095)
TPH (ug/L)		
Total Petroleum Hydrocarbons	ND(1600)	ND(1600)
General Chemistry		
Solids, Total Suspended	12000	36000
Cyanide, Total	ND(2.5)	ND(2.5)
Chlorine, Total Residual	ND(10)	ND(10)
Phenolics, Total	ND(15)	ND(15)

Abbreviations:

- : Not analyzed

ND(2.5): Not detected; number in parentheses is
one-half the laboratory reporting limit

TABLE II - SUMMARY OF ADDITIONAL
GROUNDWATER QUALITY DATA
SPAULDING REHABILITATION HOSPITAL
PARCELS 6 AND 7 - FORMER CHARLESTOWN NAVY YARD
CHARLESTOWN, MASSACHUSETTS
FILE NO.: 31502-060

LOCATION SAMPLING DATE LAB SAMPLE ID MATRIX			HA-18 5/15/2009 L0906284-01 Aqueous	HA-4 5/15/2009 L0906284-02 Aqueous	HA-F6(OW) 6/1/2009 L0907025-01 Aqueous	HA-A6(OW) 6/4/2009 L0907279-02 Aqueous	HA-F2(OW) 6/4/2009 L0907279-03 Aqueous	HA-K6(OW) 6/4/2009 L0907279-04 Aqueous	
	Min	Max							
MCP VOCs (ug/L)									
Total VOCs	ND	ND	ND	ND	ND	ND	ND	ND	
MCP SVOCs (ug/L)									
Bis(2-Ethylhexyl)phthalate	ND(2.4)	6	ND(2.45)	ND(2.4)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	
Total MCP SVOCs	ND(6)	6	ND	ND	ND	ND	ND	ND	
MCP SVOCs by SIM (ug/L)									
Fluoranthene	ND(0.095)	0.3	ND(0.1)	ND(0.095)	0.3	ND(0.1)	ND(0.1)	ND(0.1)	
Pyrene	ND(0.095)	0.28	ND(0.1)	ND(0.095)	0.2	ND(0.1)	ND(0.1)	ND(0.1)	
Total MCP SVOCs by SIM	ND(0.5)	0.58	ND	ND	0.5	ND	ND	ND	
Dissolved Metals (ug/L)									
Antimony, Dissolved	ND(1)	ND(3)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	
Arsenic, Dissolved	ND(2.5)	11.6	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	
Barium, Dissolved	ND(5)	100	30	39	44	73	54	59	
Beryllium, Dissolved	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	
Cadmium, Dissolved	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	ND(2)	
Chromium, Dissolved	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	
Lead, Dissolved	ND(2.5)	61	ND(5)	22	ND(5)	ND(5)	ND(5)	ND(5)	
Mercury, Dissolved	ND(0.1)	0.1	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	ND(0.1)	
Nickel, Dissolved	ND(12.5)	20	ND(12.5)	ND(12.5)	ND(12.5)	ND(12.5)	ND(12.5)	ND(12.5)	
Selenium, Dissolved	ND(5)	25	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	
Silver, Dissolved	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)	
Thallium, Dissolved	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	
Vanadium, Dissolved	ND(5)	ND(25)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	
Zinc, Dissolved	ND(25)	1700	96	212	ND(25)	ND(25)	528	177	
PCBs (ug/L)									
Total PCBs	ND	ND	ND	ND	ND	ND	ND	ND	
VPH (ug/L)									
C5-C8 Aliphatics, Unadjusted	ND(10)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	
C9-C12 Aliphatics, Unadjusted	ND(10)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	
C9-C10 Aromatics	ND(10)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	
C5-C8 Aliphatics, Adjusted	ND(10)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	
C9-C12 Aliphatics, Adjusted	ND(10)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	ND(25)	
EPH (ug/L)									
C9-C18 Aliphatics	ND(42.75)	ND(250)	ND(52.5)	ND(52)	ND(50)	ND(42.75)	ND(42.75)	ND(42.75)	
C19-C36 Aliphatics	ND(42.75)	ND(250)	ND(52.5)	ND(52)	ND(50)	ND(42.75)	ND(42.75)	ND(42.75)	
C11-C22 Aromatics, Unadjusted	ND(42.75)	ND(75)	ND(52.5)	ND(52)	ND(50)	ND(42.75)	ND(42.75)	ND(42.75)	
C11-C22 Aromatics, Adjusted	ND(42.75)	ND(75)	ND(52.5)	ND(52)	ND(50)	ND(42.75)	ND(42.75)	ND(42.75)	

Abbreviations:

- : Not analyzed

ND(2.5): Not detected; number in parentheses is one-half the laboratory reporting limit

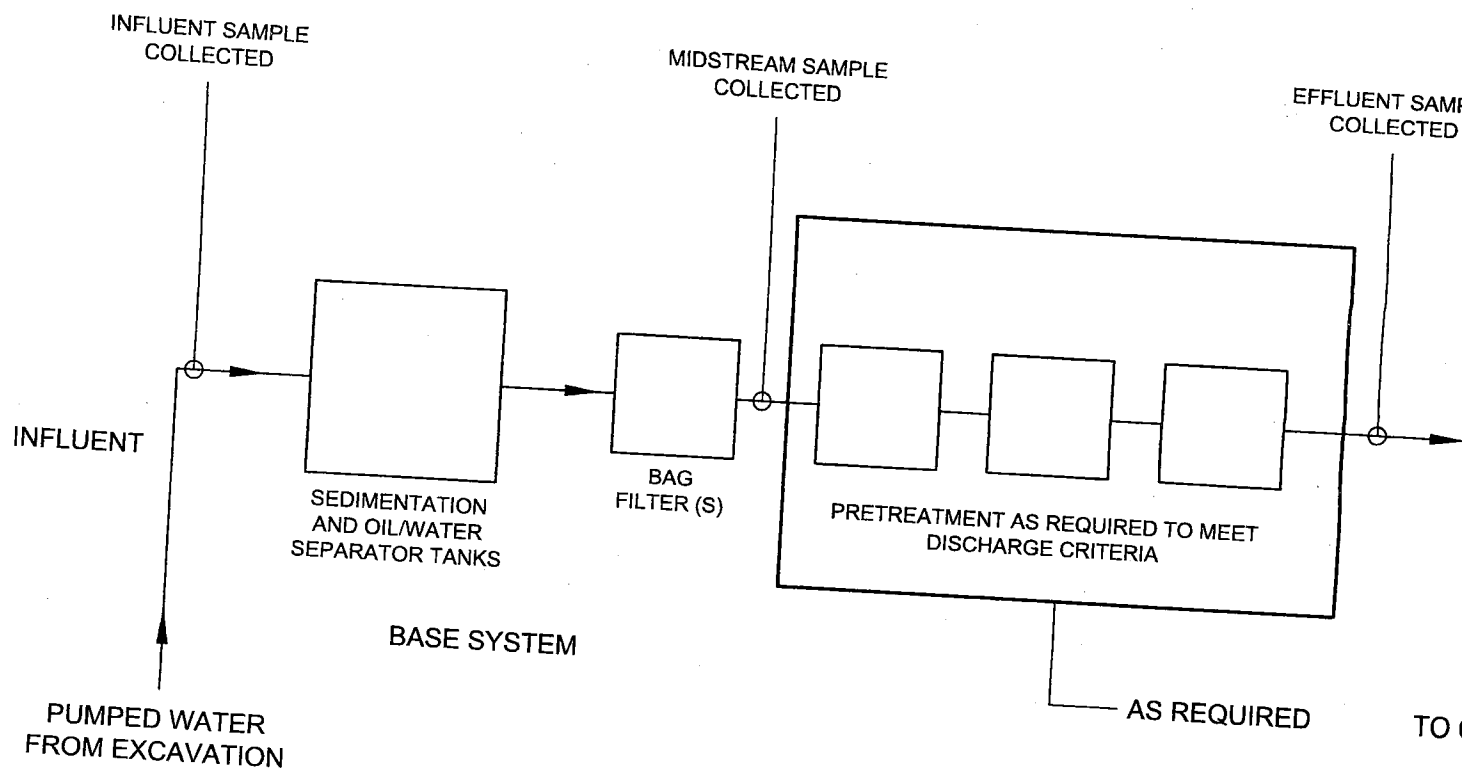
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SPAULDING REHABILITATION HOSPITAL
PARCELS 6 AND 7 - FORMER CHARLESTOWN NAVY YARD
CHARLESTOWN, MASSACHUSETTS
FILE NO.: 31502-060

LOCATION SAMPLING DATE LAB SAMPLE ID MATRIX	HA-4 (MW) 6/21/2006	HA-10 (MW) 6/21/2006	F11 (OW) 6/21/2006	A6 (OW) 6/20/2006
	Aqueous	Aqueous	Aqueous	Aqueous
Min	Max			
MCP VOCs (ug/L)				
Total VOCs	ND	ND	ND	ND
MCP SVOCs (ug/L)				
Bis(2-Ethylhexyl)phthalate	ND(2.4)	6	ND(2.5)	ND(2.5)
Total MCP SVOCs	ND(6)	6	ND	ND
MCP SVOCs by SIM (ug/L)				
Fluoranthene	ND(0.095)	0.3	ND(0.25)	ND(0.25)
Pyrene	ND(0.095)	0.28	ND(0.25)	ND(0.25)
Total MCP SVOCs by SIM	ND(0.5)	0.58	ND	ND
Dissolved Metals (ug/L)				
Antimony, Dissolved	ND(1)	ND(3)	ND(3)	ND(3)
Arsenic, Dissolved	ND(2.5)	11.6	ND(15)	ND(15)
Barium, Dissolved	ND(5)	100	ND(100)	ND(100)
Beryllium, Dissolved	ND(2)	ND(2)	ND(2)	ND(2)
Cadmium, Dissolved	ND(2)	ND(2)	ND(2)	ND(2)
Chromium, Dissolved	ND(5)	ND(5)	ND(5)	ND(5)
Lead, Dissolved	ND(2.5)	61	ND(2.5)	15
Mercury, Dissolved	ND(0.1)	0.1	ND(0.1)	ND(0.1)
Nickel, Dissolved	ND(12.5)	20	ND(20)	ND(20)
Selenium, Dissolved	ND(5)	25	ND(25)	ND(25)
Silver, Dissolved	ND(3.5)	ND(3.5)	ND(3.5)	ND(3.5)
Thallium, Dissolved	ND(1)	ND(1)	ND(1)	ND(1)
Vanadium, Dissolved	ND(5)	ND(25)	ND(25)	ND(25)
Zinc, Dissolved	ND(25)	1700	ND(100)	ND(100)
PCBs (ug/L)				
Total PCBs	ND	ND	ND	ND
VPH (ug/L)				
C5-C8 Aliphatics, Unadjusted	ND(10)	ND(25)	ND(10)	ND(10)
C9-C12 Aliphatics, Unadjusted	ND(10)	ND(25)	ND(10)	ND(10)
C9-C10 Aromatics	ND(10)	ND(25)	ND(10)	ND(10)
C5-C8 Aliphatics, Adjusted	ND(10)	ND(25)	ND(10)	ND(10)
C9-C12 Aliphatics, Adjusted	ND(10)	ND(25)	ND(10)	ND(10)
EPH (ug/L)				
C9-C18 Aliphatics	ND(42.75)	ND(250)	ND(250)	ND(250)
C19-C36 Aliphatics	ND(42.75)	ND(250)	ND(250)	ND(250)
C11-C22 Aromatics, Unadjusted	ND(42.75)	ND(75)	ND(75)	ND(75)
C11-C22 Aromatics, Adjusted	ND(42.75)	ND(75)	ND(75)	ND(75)

Abbreviations:

- : Not analyzed
ND(2.5): Not detected; number in parentheses is one-half the laboratory reporting limit





LEGEND:

→ DIRECTION OF FLOW

NOTE:

1. DETAILS OF TREATMENT SYSTEM MAY VARY FROM SYSTEM INDICATED ABOVE. SPECIFIC MEANS AND METHODS OF TREATMENT TO BE SELECTED BY CONTRACTOR. WATER WILL BE TREATED TO MEET REQUIRED EFFLUENT STANDARDS.

**HALEY &
ALDRICH**

SPAULDING REHABILITATION
PARCEL 6 AND 7 - CHARLESTOWN, MASSACHUSETTS

**PROPOSED
TREATMENT SYSTEM
SCHEMATIC**

APPENDIX A

Notice of Intent (NOI) for Remediation General Permit (RGP)

B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit

1. General site information. Please provide the following information about the site:

a) Name of facility/site: Parcels 6 and 7 - Charlestown Navy Yard		Facility/site address: Parcels 6 and 7	
Location of facility/site: longitude: 42 22 43 latitude: 71 2 57	Facility SIC code(s):	Street: Intersection of First Avenue and 16th Street	
b) Name of facility/site owner: Partners HealthCare System, Inc.,		Town: Charlestown (Boston)	
Email address of owner: David Burson	State: MA	Zip: 02129	Co
Telephone no. of facility/site owner: (617) 726-8449			
Fax no. of facility/site owner: (617) 724-2740		Owner is (check one): 1. Federal ___ 2. State/Tribal ___	
Address of owner (if different from site):		3. Private ☒ 4. other, if so, describe:	
Street: 101 Merrimac Street, 8th Floor			
Town: Boston	State: MA	Zip: 02114	County: Suffolk
c) Legal name of operator: Walsh Brothers Incorporated		Operator telephone no: 617-878-4800	
		Operator fax no.: 617-720-6116	Operator email:
Operator contact name and title: Will Schuster, Project Manager			
Address of operator (if different from owner):		Street: 210 Commercial Street	
Town: Boston	State: MA	Zip: 02109	County: Suffolk
d) Check "yes" or "no" for the following:			
1. Has a prior NPDES permit exclusion been granted for the discharge? Yes ___ No ☒ , if "yes," number:			
2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes ___ No ☒ , if "yes," date and tracking #:			
3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes ☒ No ___			
4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes ☒ No ___			

e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes <u> </u> No <u> </u> ☒ If "yes," please list: 1. site identification # assigned by the state of NH or MA: 2. permit or license # assigned: 3. state agency contact information: name, location, and telephone number:	f) Is the site/facility covered by any other EPA permit, including: 1. multi-sector storm water general permit? Y <u> </u> N <u> </u> ☒, if Y, number: <u> </u> 2. phase I or II construction storm water general permit? Y <u> </u> N <u> </u> ☒, if Y, number: <u> </u> 3. individual NPDES permit? Y <u> </u> N <u> </u> ☒, if Y, number: <u> </u> 4. any other water quality related permit? Y <u> </u> N <u> </u> ☒, if Y, number: <u> </u>
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2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed) including:

a) Describe the discharge activities for which the owner/applicant is seeking coverage:

Temporary construction dewatering in support of new below grade construction.

b) Provide the following information about each discharge: 1) Number of discharge points: <u> 3 </u>	2) What is the maximum and average flow rate of discharge (in cubic feet per second, ft³/s)? Max. flow <u> 0.223 </u> Average flow <u> 0.223 </u> Is maximum flow a design value? Y <u> </u> N <u> </u> ☒ For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.
3) Latitude and longitude of each discharge within 100 feet: pt.1: long. <u> 42 22 44 </u> lat. <u> 72 2 54 </u>; pt.2: long. <u> 42 22 45 </u> lat. <u> 71 2 56 </u>; pt.3: long. <u> 42 22 46 </u> lat. <u> 71 2 59 </u>; pt.4: long. <u> </u> lat. <u> </u>; pt.5: long. <u> </u> lat. <u> </u>; pt.6: long. <u> </u> lat. <u> </u>; pt.7: long. <u> </u> lat. <u> </u>; pt.8: long. <u> </u> lat. <u> </u>; etc. <u> </u>	
4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent ☒ or seasonal <u> </u>? Is discharge ongoing Yes ☒ No <u> </u>?
c) Expected dates of discharge (mm/dd/yy): start <u> 12/15/09 </u> end <u> 11/01/11 </u>	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

See attached Figures 2 (Proposed Treatment System Schematic) and 3 (Proposed Dewatering Discharge Route).

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants	Petroleum with Other Contaminants	Listed Contaminated Sites	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation
			✓			
			✓			

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		✓	2	GRAB	2540D	1000	36000			
2. Total Residual Chlorine	✓		2	GRAB	4500CL-D	20	ND			
3. Total Petroleum Hydrocarbons	✓		2	GRAB	1664A	3200	ND			
4. Cyanide	✓		2	GRAB	4500CN-CE	5	ND			
5. Benzene	✓		14	GRAB	624 / 8260	0.5	ND			
6. Toluene	✓		14	GRAB	624 / 8260	0.5	ND			
7. Ethylbenzene	✓		14	GRAB	624 / 8260	0.5	ND			
8. (m,p,o) Xylenes	✓		14	GRAB	624 / 8260	0.5	ND			
9. Total BTEX ⁴	✓		14	GRAB	624 / 8260	0.5	ND			

⁴ BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide ⁵ (1,2- Dibromo-methane)	✓		2	GRAB	504.1	0.5	ND			
11. Methyl-tert-Butyl Ether (MtBE)	✓		14	GRAB	624 / 8260	0.5	ND			
12. tert-Butyl Alcohol (TBA)	✓		14	GRAB	624 / 8260	20	ND			
13. tert-Amyl Methyl Ether (TAME)	✓		14	GRAB	624 / 8260	0.5	ND			
14. Naphthalene	✓		14	GRAB	624 / 8260	0.5	ND			
15. Carbon Tetra-chloride	✓		14	GRAB	624 / 8260	0.5	ND			
16. 1,4 Dichlorobenzene	✓		14	GRAB	624 / 8260	0.5	ND			
17. 1,2 Dichlorobenzene	✓		14	GRAB	624 / 8260	0.5	ND			
18. 1,3 Dichlorobenzene	✓		14	GRAB	624 / 8260	0.5	ND			
19. 1,1 Dichloroethane	✓		14	GRAB	624 / 8260	0.5	ND			
20. 1,2 Dichloroethane	✓		14	GRAB	624 / 8260	0.5	ND			
21. 1,1 Dichloroethylene	✓		14	GRAB	624 / 8260	0.5	ND			
22. cis-1,2 Dichloro-ethylene	✓		14	GRAB	624 / 8260	0.5	ND			
23. Dichloromethane (Methylene Chloride)	✓		14	GRAB	624 / 8260	2.5	ND			
24. Tetrachloroethylene	✓		14	GRAB	624 / 8260	0.5	ND			

⁵ EDB is a groundwater contaminant at fuel spill and pesticide application sites in New England.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
43. Copper		✓	2	GRAB	6020	2	13.7			
44. Lead		✓	2	GRAB	6020	2	11.6			
45. Mercury		✓	2	GRAB	245.1	0.2	0.4			
46. Nickel		✓	2	GRAB	6020	2	4.2			
47. Selenium		✓	2	GRAB	6020	4	70			
48. Silver	✓		2	GRAB	6020	1.6	ND			
49. Zinc		✓	2	GRAB	6020	20	62.8			
50. Iron		✓	2	GRAB	200.7	50	5200			
Other (describe): See attached table										

c) For discharges where **metals** are believed present, please fill out the following:

<i>Step 1:</i> Do any of the metals in the influent have a reasonable potential to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y ☒ N ☐	If yes, which metals? Copper, Lead, Iron
<i>Step 2:</i> For any metals which have reasonable potential to exceed the Appendix III limits, calculate the dilution factor (DF) using the formula in Part I.A.3 c) (step 2) of the NOI instructions or as determined by the State prior to the submission of this NOI. What is the dilution factor for applicable metals? Metals: (Saltwater Discharge) DF: _____	Look up the limit calculated at the corresponding dilution factor in Appendix IV. Do any of the metals in the influent have the potential to exceed the corresponding effluent limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y ☐ N ☐ If "Yes," list which metals: _____

4. Treatment system information. Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system:

b) Identify each applicable treatment unit (check all that apply):	Frac. tank ☒	Air stripper	Oil/water separator ☒	Equalization tanks	Bag filter ☒	GAC filter
	Chlorination	Dechlorination	Other (please describe): GAC, Ion exchange, Precipitation System, if necessary			

c) Proposed average and maximum flow rates (gallons per minute) for the discharge and the design flow rate(s) (gallons per minute) of the treatment system:
 Average flow rate of discharge 100 Maximum flow rate of treatment system 100 Design flow rate of treatment system Not applicable

d) A description of chemical additives being used or planned to be used (attach MSDS sheets): Please see attached

5. Receiving surface water(s). Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct ☒	Within facility	Storm drain ☒	River/brook	Wetlands	Other (describe):
------------------------------------	--	-----------------	---	-------------	----------	-------------------

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:
Effluent will be discharged to a storm drain located within or near the site, which discharges into the Little Mystic Channel/Boston Harbor.

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:
 1. For multiple discharges, number the discharges sequentially.
 2. For indirect discharges, indicate the location of the discharge to the indirect conveyance and the discharge to surface water
 The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water SB

e) Provide the reported or calculated seven day ten year low flow (7Q10) of the receiving water (Saltwater Discharge) cfs
 Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes ☒ No ☐ If yes, for which pollutant(s)? Priority Organics, Pathogens
 Is there a TMDL? Yes ☒ No ☐ If yes, for which pollutant(s)? listed under Cat. 5 Waters, Waters Requiring a TMDL

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes ☒ No ☒	or is consultation underway? Yes ☒ No ☒
Has any consultation with the federal services been completed? Yes ☒ No ☒	
What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one):	
a "no jeopardy" opinion? ☐ or written concurrence ☐ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?	
b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?	
Yes ☒ No ☐	Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes ☒ No ☐

7. Supplemental information :

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.
--

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name:	Parcels 6 and 7 - charlestown Navy Yard
Operator signature:	William Schuster
Title:	Project Manager
Date:	Nov. 17, 2009

6. Results of Consultation with Federal Services: Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes ☒ No ☒ Has any consultation with the federal services been completed? Yes ☒ No ☒ or is consultation underway? Yes ☒ No ☒ What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one): a "no jeopardy" opinion? ☐ or written concurrence ☐ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?
b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge? Yes ☒ No ☐ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes ☒ No ☐

7. Supplemental information :

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.
--

8. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility/Site Name:	CHARLESTOWN NAVY YARD PARCELS 6 AND 7
Owner signature:	David G. Bunn
Title:	SENIOR PROJECT MANAGER
Date:	17 NOVEMBER 2009

APPENDIX B
MSDS and Fact Sheets

APPENDIX D
National Register of Historic Places and
Massachusetts Historical Commission Documentation



The Commonwealth of Massachusetts
William Francis Galvin, Secretary of the Commonwealth
Massachusetts Historical Commission

September 30, 2009

RECEIVED

OCT 1 - 2009

MEPA

Secretary Ian A. Bowles
EOEEA
MEPA Office
100 Cambridge Street, Suite 900
Boston, MA 02114

Attn: William Gage, MEPA Unit

RE: Spaulding Rehabilitation Hospital, DEIR, Boston; MHC# 40432; EOEA# 13861

Dear Secretary Bowles:

The Massachusetts Historical Commission (MHC) has reviewed the Final Environmental Impact Report (FEIR) for the above referenced project and have the following comments. The proposed project site is within the Charlestown Navy Yard, which is listed in the State and National Registers of Historic Places and is a National Historic Landmark. The MHC, the General Services Administration, the Advisory Council on Historic Preservation and the Boston Redevelopment Authority entered into a Memorandum of Agreement (MOA) concerning the rehabilitation, restoration, demolition and new construction activities in the Navy Yard. Pursuant to this agreement, the MHC must review and approve new construction.

The proposed construction will occur on Parcel 6 and will involve the development of a 150-bed, state-of-the-art rehabilitation hospital facility. The project will include 300 underground parking spaces, Harborwalk, and exterior public open space.

The building design elements presented in the FEIR design generally appear to conform to the Design Guidelines set forth as part of the stipulations of the MOA. The information provided in the FEIR shows the building's relationship to its surrounding historic context while also appearing as clearly new construction. MHC looks forward to review of the specific materials and color palette for each of the building components when they become available.

These comments are offered to assist in compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (36 CFR 800), M.G.L. Chapter 9, Section 26-27C (950 CMR 71.00), the MOA for the Navy Yard and MEPA. Please do not hesitate to contact Brandee Loughlin of my staff if you have any questions.

Sincerely,

Brona Simon
Acting Executive Director
Deputy State Historic Preservation Officer
Massachusetts Historical Commission

cc: Judith C. Waterston, Spaulding Rehabilitation Hospital Network
Boston Redevelopment Authority
Boston Landmarks Commission
Terry Savage, National Park Service

Index by State and City
National Register Information System

08/27/2009 11:28:2

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Row	STATE	COUNTY	RESOURCE NAME	ADDRESS	CITY	LISTED	MULTIPLE
1	MA	Suffolk	Hoosac Stores 1 & 2- Hoosac Stores 3	25 and 115 Water St.	Charlestown	1985-08-14	

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Massachusetts Historical Commission

William Francis Galvin, Secretary of the Commonwealth

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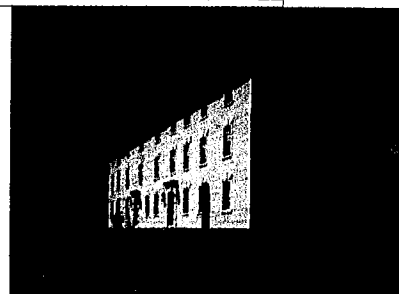
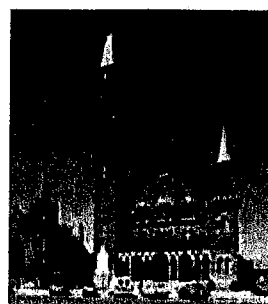
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Massachusetts Cultural Resource Information System MACRIS

The Massachusetts Cultural Resource Information System (MACRIS) allows you to search the Massachusetts Historical Commission database for information on historic properties and areas in the Commonwealth.

Users of the database should keep in mind that it does not include information on all historic properties and areas in Massachusetts, nor does it reflect all the information on file on historic properties and areas at the Massachusetts Historical Commission.

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Massachusetts Cultural Resource Information System

MACRIS

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Inventory No: BOS.CO

Historic Name: Boston Naval Shipyard

Common Name: Charlestown Navy Yard - Boston Navy Yard

Address:

City/Town: Boston

Village/Neighborhood: Charlestown; Charlestown East

Local No:

Year Constructed:

Architect(s): Baldwin, C. Loammi; Billings, Joseph E.; Parris, Alexander; Treadwell, Daniel

Architectural Style(s):

Use(s): Military Other; Museum; Other Water Related; Ship Yard

Significance: Archaeology, Historic; Architecture; Economics; Engineering; Industry; Invention; Landscape Architecture; Military; Politics Government; Social History; Transportation

Area(s):

Designation(s): Nat'l Historic Landmark (11/15/1966); Nat'l Register District (11/15/1966)

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NATIONAL REGISTER OF HISTORIC PLACES

the official list of the Nation's historic places worthy of preservation

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National Register Research

National Register of Historic Places database

Since its inception in 1966, more than 80,000 properties have been listed in the National Register. Together these records hold information on more than 1.4 million individual resources--buildings, sites, districts, structures, and objects--and therefore provide a link to the country's heritage at the national, state, and local levels.

The Documentation consists of

- National Register registration form, which provides a physical description of the place, information about its history and significance, and a bibliography.
- Photographs
- Maps (We are plotting our properties into **Google Earth layers**)

Examine sample National Register nominations by looking at our **Sample Nominations** page or a highlighted property in our **weekly list**.

Research our Collection:

- We are currently digitizing our records and have put many of them online in our **database at: <http://nrhp.focus.nps.gov/>**
- Our older database, the NRIS, is still online at: **<http://www.nr.nps.gov/>**. The NRIS is good for looking at MPS covers.
- Visit our archives. Open Monday through Friday 9:00am to noon. For security reasons, an appointment is necessary to access our building. To schedule an appointment please contact Ricah Marquez: 202-354-2226 or **e-mail**
- Many State Historic Preservation Offices (SHPOs) have digitized their files and put them online. The depth of information available varies from state to state, but ranges from basic locational information to searchable databases with downloadable narrative descriptions and photos. You can check their websites to see if they have the information you need. **List of SHPOs extended information.**
- Request copies of individual nominations either via **e-mail** please include your mailing address and the property name, county, and state. or postal mail:
National Register of Historic Places
National Park Service
1839 C St., NW (MS 2280)
Washington, DC 20240

Please note, due to irradiation of USPS mail in Washington, DC, we recommend sending official correspondence to us by direct or overnight mail at the following address:

1201 Eye St., NW
8th Floor (MS 2280)
Washington, DC 20005



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The Joachim de Brum House is the only plantation home in the Marshall Islands. Wealthy foreigners and their servants used Brum House over the years. It reflects the architecture and style of the native culture.

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APPENDIX E

Endangered Species Act Documentation

MASSACHUSETTS AREAS OF CRITICAL ENVIRONMENTAL CONCERN

June 2009

Total Approximate Acreage: 268,000 acres

Approximate acreage and designation date follow ACEC names below.

Bourne Back River

(1,850 acres, 1989) Bourne

Canoe River Aquifer and Associated Areas (17,200 acres, 1991) Easton, Foxborough, Mansfield, Norton, Sharon, and Taunton

Cedar Swamp

(1,650 acres, 1975) Hopkinton and Westborough

Central Nashua River Valley

(12,900 acres, 1996) Bolton, Harvard, Lancaster, and Leominster

Cranberry Brook Watershed

(1,050 acres, 1983) Braintree and Holbrook

Ellisville Harbor

(600 acres, 1980) Plymouth

Fowl Meadow and Ponkapoag Bog

(8,350 acres, 1992) Boston, Canton, Dedham, Milton, Norwood, Randolph, Sharon, and Westwood

Golden Hills

(500 acres, 1987) Melrose, Saugus, and Wakefield

Great Marsh (originally designated as Parker River/Essex Bay)

(25,500 acres, 1979) Essex, Gloucester, Ipswich, Newbury, and Rowley

Herring River Watershed

(4,450 acres, 1991) Bourne and Plymouth

Hinsdale Flats Watershed

(14,500 acres, 1992) Dalton, Hinsdale, Peru, and Washington

Hockomock Swamp

(16,950 acres, 1990) Bridgewater, Easton, Norton, Raynham, Taunton, and West Bridgewater

Inner Cape Cod Bay

(2,600 acres, 1985) Brewster, Eastham, and Orleans

Kampoosa Bog Drainage Basin

(1,350 acres, 1995) Lee and Stockbridge

Karner Brook Watershed

(7,000 acres, 1992) Egremont and Mount Washington

Miscoe, Warren, and Whitehall Watersheds

(8,700 acres, 2000) Grafton, Hopkinton, and Upton

Neponset River Estuary

(1,300 acres, 1995) Boston, Milton, and Quincy

Petapawag

(25,680 acres, 2002) Ayer, Dunstable, Groton, Pepperell, and Tyngsborough

Pleasant Bay

(9,240 acres, 1987) Brewster, Chatham, Harwich, and Orleans

Pocasset River

(160 acres, 1980) Bourne

Rumney Marshes

(2,800 acres, 1988) Boston, Lynn, Revere, Saugus, and Winthrop

Sandy Neck Barrier Beach System

(9,130 acres, 1978) Barnstable and Sandwich

Schenob Brook Drainage Basin

(13,750 acres, 1990) Mount Washington and Sheffield

Squannassit

(37,420 acres, 2002) Ashby, Ayer, Groton, Harvard, Lancaster, Lunenburg, Pepperell, Shirley, and Townsend

Three Mile River Watershed

(14,280 acres, 2008) Dighton, Norton, Taunton

Upper Housatonic River

(12,280 acres, 2009) Lee, Lenox, Pittsfield, Washington

Waquoit Bay

(2,580 acres, 1979) Falmouth and Mashpee

Weir River

(950 acres, 1986) Cohasset, Hingham, and Hull

Wellfleet Harbor

(12,480 acres, 1989) Eastham, Truro, and Wellfleet

Weymouth Back River

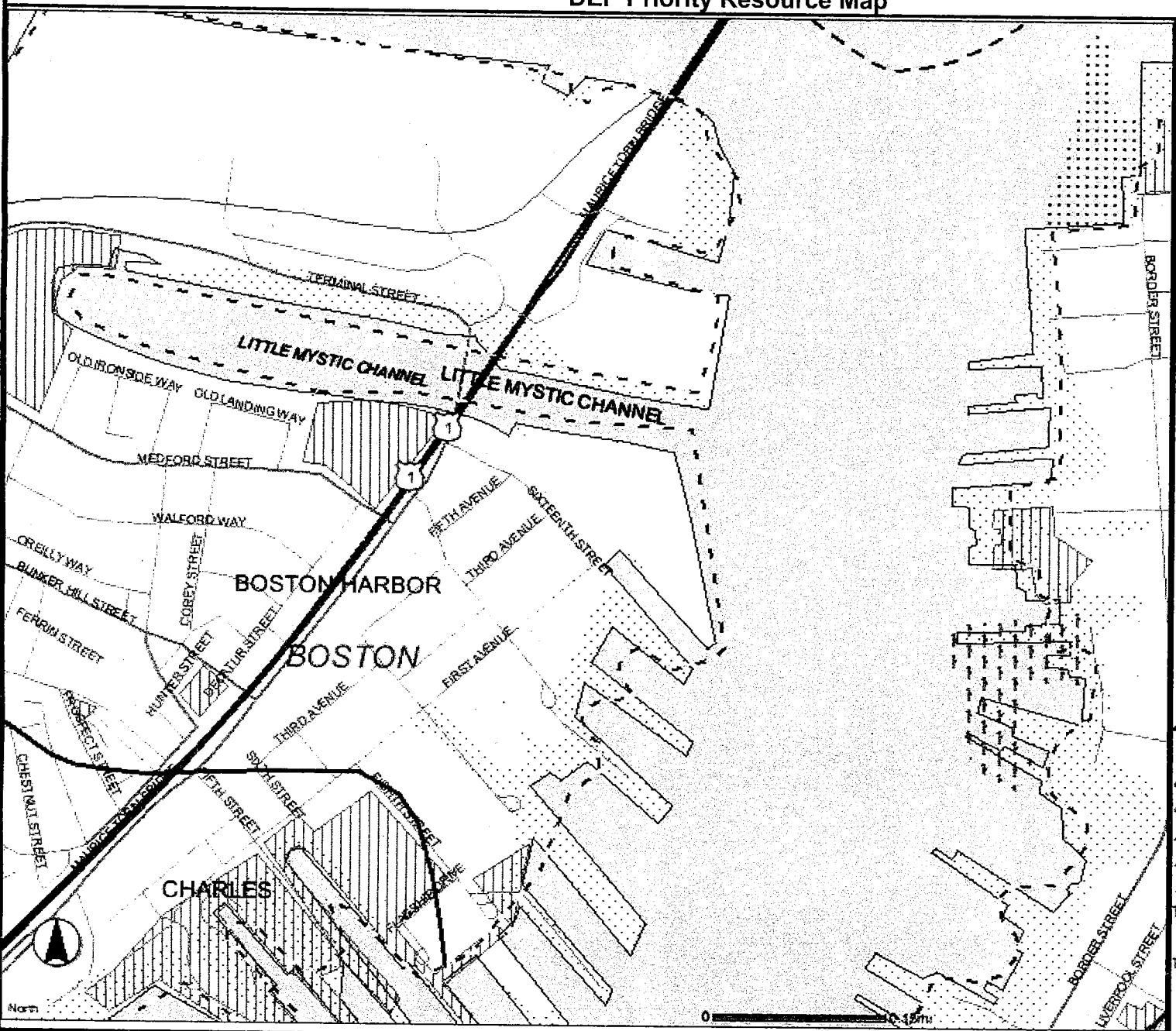
(800 acres, 1982) Hingham and Weymouth

Towns with ACECs within their Boundaries

June 2009

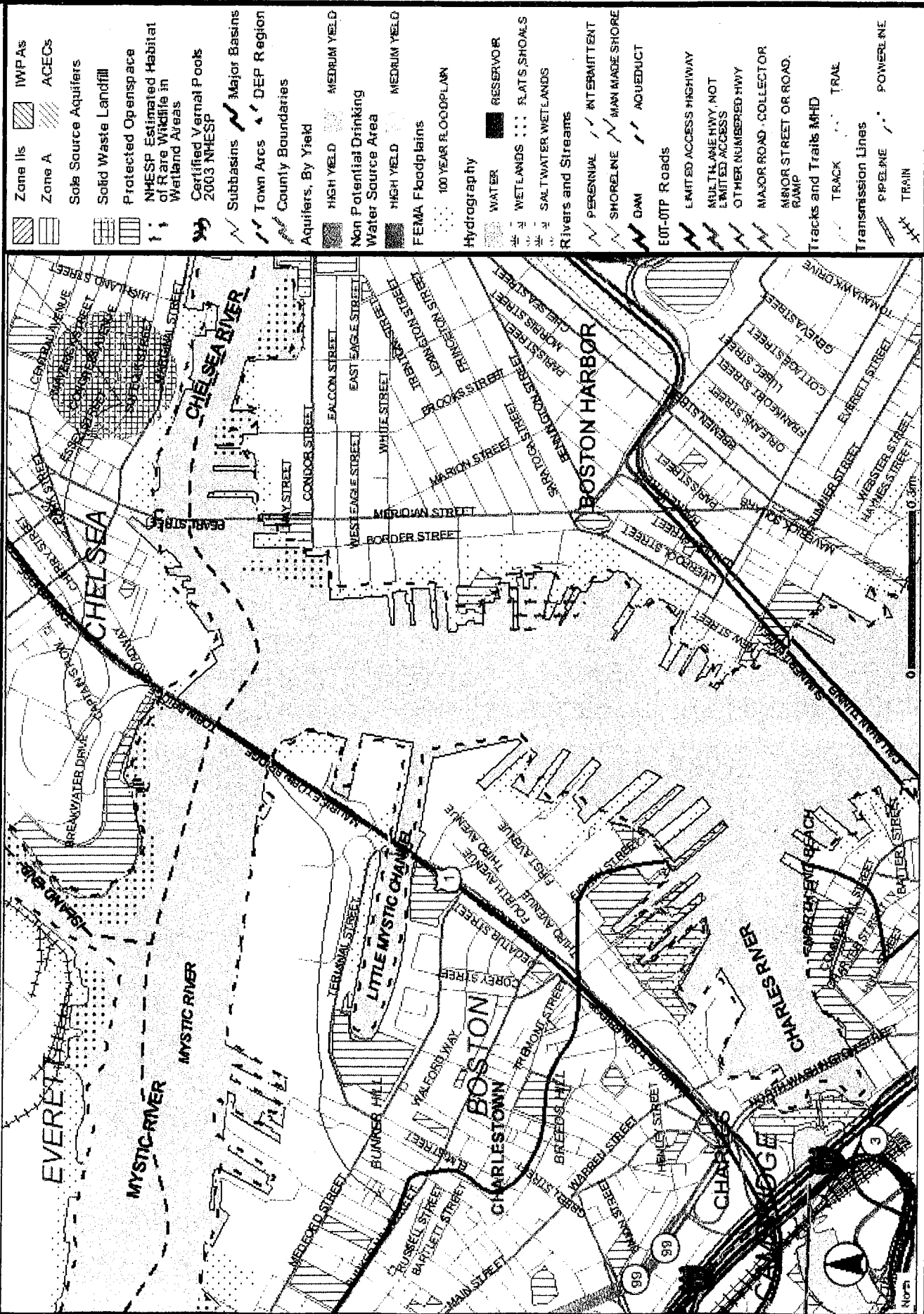
TOWN	ACEC	TOWN	ACEC
Ashby	Squannassit	Mt. Washington	Karner Brook Watershed
Ayer	Petapawag		Schenob Brook
	Squannassit	Newbury	Great Marsh
Barnstable	Sandy Neck Barrier Beach System	Norton	Hockomock Swamp
Bolton	Central Nashua River Valley		Canoe River Aquifer
Boston	Rumney Marshes		Three Mile River Watershed
	Fowl Meadow and Ponkapoag Bog	Norwood	Fowl Meadow and Ponkapoag Bog
	Neponset River Estuary	Orleans	Inner Cape Cod Bay
Bourne	Pocasset River		Pleasant Bay
	Bourne Back River	Pepperell	Petapawag
	Herring River Watershed		Squannassit
Braintree	Cranberry Brook Watershed	Peru	Hinsdale Flats Watershed
Brewster	Pleasant Bay	Pittsfield	Upper Housatonic River
	Inner Cape Cod Bay	Plymouth	Herring River Watershed
Bridgewater	Hockomock Swamp		Ellisville Harbor
Canton	Fowl Meadow and Ponkapoag Bog	Quincy	Neponset River Estuary
Chatham	Pleasant Bay	Randolph	Fowl Meadow and Ponkapoag Bog
Cohasset	Weir River	Raynham	Hockomock Swamp
Dalton	Hinsdale Flats Watershed	Revere	Rumney Marshes
Dedham	Fowl Meadow and Ponkapoag Bog	Rowley	Great Marsh
Dighton	Three Mile River Watershed	Sandwich	Sandy Neck Barrier Beach System
Dunstable	Petapawag	Saugus	Rumney Marshes
Eastham	Inner Cape Cod Bay		Golden Hills
	Wellfleet Harbor	Sharon	Canoe River Aquifer
Easton	Canoe River Aquifer		Fowl Meadow and Ponkapoag Bog
	Hockomock Swamp	Sheffield	Schenob Brook
Egremont	Karner Brook Watershed	Shirley	Squannassit
Essex	Great Marsh	Stockbridge	Kampoosa Bog Drainage Basin
Falmouth	Waquoit Bay	Taunton	Hockomock Swamp
Foxborough	Canoe River Aquifer		Canoe River Aquifer
Gloucester	Great Marsh		Three Mile River Watershed
Grafton	Miscoe-Warren-Whitehall Watersheds	Truro	Wellfleet Harbor
		Townsend	Squannassit
Groton	Petapawag	Tyngsborough	Petapawag
	Squannassit	Upton	Miscoe-Warren-Whitehall Watersheds
Harvard	Central Nashua River Valley		
	Squannassit	Wakefield	Golden Hills
Harwich	Pleasant Bay	Washington	Hinsdale Flats Watershed
Hingham	Weir River		Upper Housatonic River
	Weymouth Back River	Wellfleet	Wellfleet Harbor
Hinsdale	Hinsdale Flats Watershed	W Bridgewater	Hockomock Swamp
Holbrook	Cranberry Brook Watershed	Westborough	Cedar Swamp
Hopkinton	Miscoe-Warren-Whitehall Watersheds	Westwood	Fowl Meadow and Ponkapoag Bog
		Weymouth	Weymouth Back River
	Cedar Swamp	Winthrop	Rumney Marshes
Hull	Weir River		
Ipswich	Great Marsh		
Lancaster	Central Nashua River Valley		
	Squannassit		
Lee	Kampoosa Bog Drainage Basin		
	Upper Housatonic River		
Lenox	Upper Housatonic River		
Leominster	Central Nashua River Valley		
Lunenburg	Squannassit		
Lynn	Rumney Marshes		
Mansfield	Canoe River Aquifer		
Mashpee	Waquoit Bay		
Melrose	Golden Hills		
Milton	Fowl Meadow and Ponkapoag Bog		
	Neponset River Estuary		

DEP Priority Resource Map

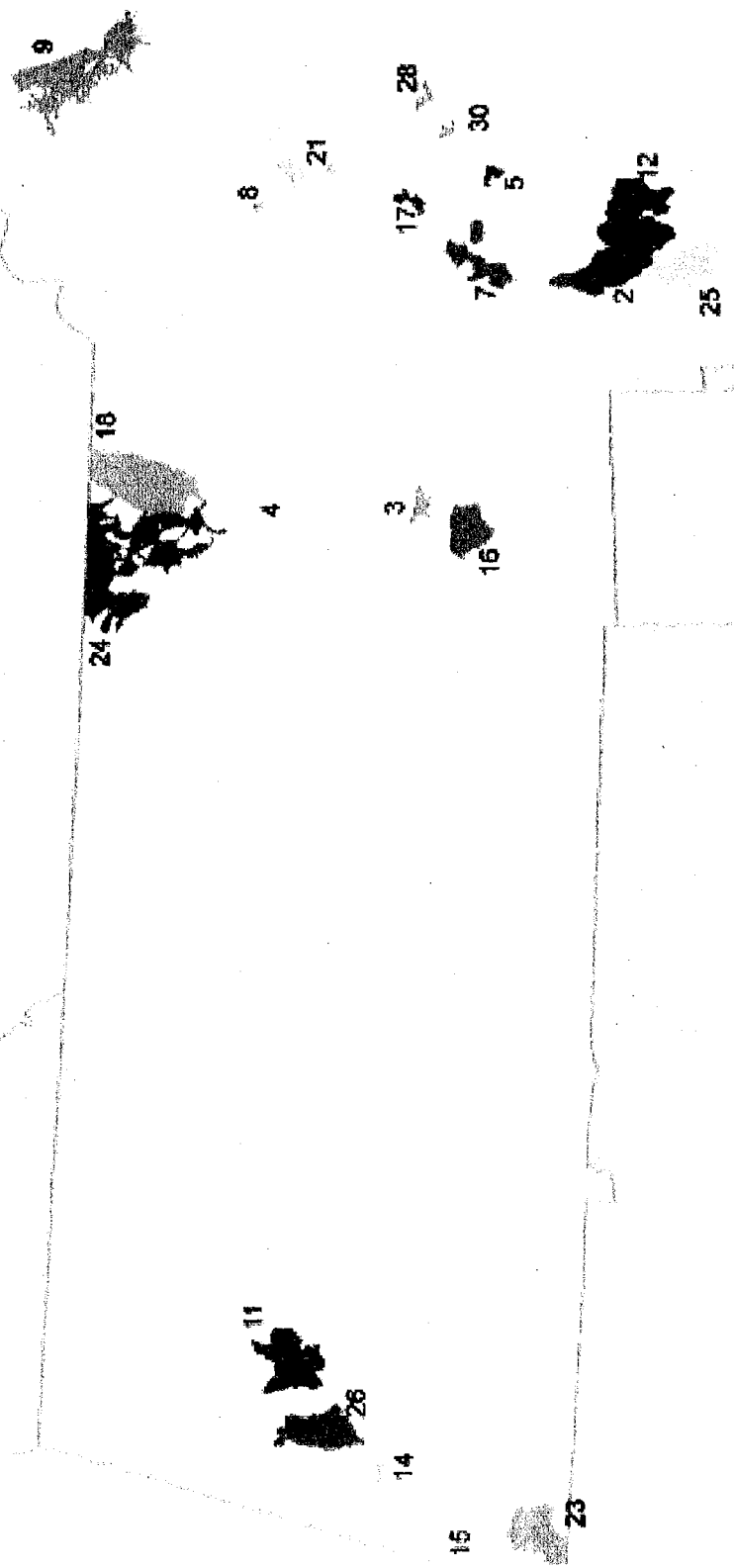


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DEP Priority Resource Map



Massachusetts Areas of Critical Environmental Concern (ACECs)



- 1 Bourne Back River
- 2 Canoe River Aquifer
- 3 Cedar Swamp
- 4 Central Nashua River Valley
- 5 Cranberry Brook Watershed
- 6 Ellisville Harbor
- 7 Fowl Meadow and Ponkapoag Bog
- 8 Golden Hills
- 9 Great Marsh
- 10 Herring River Watershed
- 11 Hinsdale Flats Watershed
- 12 Hockomock Swamp
- 13 Inner Cape Cod Bay
- 14 Kamapoosa Bog Drainage Basin
- 15 Kamear Brook Watershed
- 16 Miscoe, Warren and Whitehall Watersheds
- 17 Neponset River Estuary
- 18 Petapawag
- 19 Pleasant Bay
- 20 Pocasset River
- 21 Rumney Marshes
- 22 Sandy Neck Barrier Beach System
- 23 Schenob Brook Drainage Basin
- 24 Squannassit
- 25 Three Mile River Watershed
- 26 Upper Housatonic River
- 27 Waquoit Bay
- 28 Weir River
- 29 Wellfleet Harbor
- 30 Wellfleet Bay

APPENDIX F

BWSC Permit Application

Facility/Business Name: Proposed Spaulding Rehabilitation Hospital

Mailing Address: Parcels 6 and 7 - Charlestown Navy Yard- Charlestown, MA

Authorized Representative concerning information provided herein:

Name: David Burson Title: Senior Project Manager

Phone #: (617) 726-8449 Beeper #: _____ Fax #: (617) 724-2740

Owner of property being dewatered: Partners HealthCare System, Inc.

Note: Partners HealthCare System, Inc. (Partners) is currently proposing to acquire and redevelop the property.

Partners and their contractors will be responsible for dewatering activities under this permit.

Location of Discharge:

Street Intersection of First Avenue and 16th Street Neighborhood Charlestown

Discharge is to a : Sanitary Sewer Combined Sewer Storm Drain (Circle One)

BWSC Outfall #: _____ Receiving Waters: Boston Harbor

Note: **Discharge (after sedimentation and treatment) will be to storm drain located within the site; refer to NPDES text for complete description of discharge.**

Temporary Discharges: December 2009 To November 2011 (Provide anticipated dates of discharge)

_____ Groundwater Remediation _____ Tank Removal/Installation X Foundation Excavation

_____ Utility/Manhole Pumping _____ Test Pit X Trench Excavation

_____ Accum. Surface Water _____ Hydrogeologic Testing _____ Other _____

Permanent Discharges:

_____ Foundation Drainage _____ Crawl Space/Footing Drain

_____ Accumulated Surface Water _____ Non-contact/Uncontaminated Cooling

_____ Non-contact/Uncontaminated Process _____ Other _____

1. Attach a Site Plan showing the source of the discharge and the location of the point of discharge (i.e. the sewer pipe or catch basin). **(Refer to NPDES Application Attached)**
2. If discharging to a sanitary or combined sewer, attach a copy of MWRA's Sewer Use Discharge permit or application. Include meter number, size, make and start reading. All discharges to sanitary or combined sewer are assessed current sewer charges.
3. If discharging to a separate storm drain, attach a copy of EPA's NPDES Permit or NOI application, or NPDES Permit exclusion letter for the discharge, as well as other relevant information. **(Attached)**
4. Dewatering Drainage Permit will be denied or revoked if applicant fails to obtain the necessary permits

APPENDIX G
Laboratory Data Reports