



**Letter of Transmittal**

12/13/05

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DC  
MAG 9/10/70

Date 12 December 2005  
File Number 12355-640  
From Paul F. Ormond

To US Environmental Protection Agency  
RGP-NOC Processing  
Mail Code CMP  
1 Congress Street, Suite 1100  
Boston, Massachusetts 02114-2023

Attention Doug Corb

Copy to MA Department of Environmental Protection - Division of Watershed  
Management; Robert Kubit (1 copy)  
National Development; Douglas A. Straus (1 copy)  
Cranshaw Construction of New England; Douglas Hanson (1 copy)  
City of Medford Board of Health; Karen Rose (1 copy)

Subject Skyline at Station Landing  
Medford, MA

Copies	Date	Description
1	12/9/2005	Notice of Intent (NOI) Construction Dewatering Skyline at Station Landing, Medford, MA

Transmitted via  First class mail  Overnight express  Hand delivery  Other

Remarks

**HALEY &  
ALDRICH**

9 December 2005  
File No. 12355-640

MAG 910170

Haley & Aldrich, Inc.  
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Tel: 617.886.7400  
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12/13/05

US Environmental Protection Agency  
RGP-NOC Processing  
Mail Code CMP  
1 Congress Street, Suite 1100  
Boston MA 02114-2023

Attention: Mr. Doug Corb

Subject: Notice of Intent (NOI)  
Construction Dewatering  
Skyline at Station Landing  
Medford, MA

**OFFICES**

Cleveland  
Ohio

Dayton  
Ohio

Detroit  
Michigan

Hartford  
Connecticut

Kansas City  
Kansas

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Manchester  
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Maine

Providence  
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Rochester  
New York

San Diego  
California

Santa Barbara  
California

Tucson  
Arizona

Washington  
District of Columbia

Dear Mr. Corb:

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 for contaminated construction site dewatering under the RGP. Dewatering is planned in support of the construction activities proposed at the Skyline at Station Landing site, located in Medford, Massachusetts as shown on Figure 1.

The project site is currently listed as a Tier II disposal site (RTN #3-22800) under the Massachusetts Contingency Plan, 310 CMR 40.0000, due in part to reportable concentrations of TPH, SVOCs, arsenic and lead in soil, and total cyanide in groundwater. Water quality testing conducted for the MCP and this NOI are summarized in Table I.

An approximately 15-ft deep excavation is required to construct one-level of below grade parking for a residential tower building. Excavation is anticipated to extend 5 to 10 ft below the groundwater table. The excavation perimeter will be sheeted for lateral earth support and to cut off groundwater inflow to the extent practical. It is intended that discharge from temporary construction dewatering be treated prior to disposal - a Proposed Treatment System Schematic is included in Figure 2. The proposed discharge outfall location is shown on Figure 3, Proposed Dewatering Discharge Route.

The completed "Suggested Notice of Intent" form as provided in the RGP is enclosed in Appendix A. 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) has been completed and is included in Appendix C. The BMPP outlines the proposed discharge operations covered under the RGP. Appendix D

US Environmental Protection Agency

9 December 2005

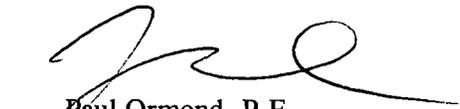
Page 2

provides a Preventative Maintenance Plan (PMP) that outlines a schedule for treatment system maintenance to maintain compliance with permit criteria. Appendices E and F include National Register of Historic Places and Endangered Species Act documentation.

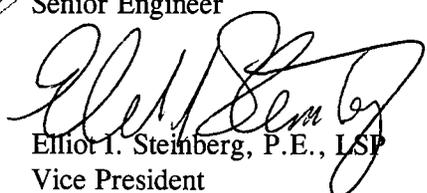
The project and site Owner, Skyline at Station Landing, LLC, and the Operator, Mr. Charles Black, Project Superintendent for Cranshaw Construction of New England, are requested to be listed as co-permittees for this NPDES RGP.

Thank you very much for your prompt 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



Paul Ormond, P.E.  
Senior Engineer



Elliot I. Steinberg, P.E., LSP  
Vice President

Attachments:

- Table I - Summary of Water Quality Data
- Figure 1 - Site Locus
- Figure 2 - Proposed Treatment System Schematic
- Figure 3 - Proposed Dewatering Discharge Route
- 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 documentation
- Appendix E - Endangered Species Act documentation
- Appendix F - Laboratory Data Reports

- c: Douglas A. Straus, Senior Vice President, National Development  
Douglas Hanson; Senior Project Manager, Cranshaw Construction of New England  
Massachusetts Department of Environmental Protection, Division of Watershed  
Management  
Karen Rose, City of Medford, Board of Health

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TABLE I  
SUMMARY OF WATER QUALITY DATA  
SKYLINE AT STATION LANDING  
MEDFORD, MASSACHUSETTS  
FILE NO. 12355-640

SAMPLE DESIGNATION LABORATORY SAMPLE DESIGNATION SAMPLING DATE	MCP Reportable Concentration RCGW-2	NPDES RGP Effluent Limits	HA05-05 (OW) 21-Apr-05	HA05-04 (OW) 21-Apr-05	HA05-04 (OW) 11-May-05	HA05-05 (OW) 11-May-05	HA05-05 (OW) 11-May-05	HA05-04 L0512267-01 13-OCT-05
<b>VOCs by GC/MS 624 (mg/l)</b>								
1,1,1-Trichloroethane	0.2	0.2	-	-	-	-	-	ND(0.001)
1,1,2,2-Tetrachloroethane	0.002	-	-	-	-	-	-	ND(0.0005)
1,1,2-Trichloroethane	0.005	0.005	-	-	-	-	-	ND(0.00075)
1,1-Dichloroethane	0.07	0.07	-	-	-	-	-	ND(0.00075)
1,1-Dichloroethene	0.001	0.0032	-	-	-	-	-	ND(0.0005)
1,2-Dichlorobenzene	0.6	0.6	-	-	-	-	-	ND(0.0025)
1,2-Dichloroethane	0.005	0.005	-	-	-	-	-	ND(0.00075)
1,2-Dichloropropane	0.005	-	-	-	-	-	-	ND(0.00175)
1,3-Dichlorobenzene	0.6	0.32	-	-	-	-	-	ND(0.0025)
1,4-Dichlorobenzene	0.005	0.005	-	-	-	-	-	ND(0.0025)
1,4-Dioxane	-	-	-	-	-	-	-	ND(1)
2-Butanone	0.4	-	-	-	-	-	-	ND(0.005)
2-Chloroethylvinyl ether	5	-	-	-	-	-	-	ND(0.005)
2-Hexanone	1	-	-	-	-	-	-	ND(0.005)
4-Methyl-2-pentanone	0.4	-	-	-	-	-	-	ND(0.005)
Acetone	3	-	-	-	-	-	-	ND(0.005)
Acrolein	0.1	-	-	-	-	-	-	ND(0.01)
Acrylonitrile	1	-	-	-	-	-	-	ND(0.005)
Benzene	0.005	0.005	ND	ND	-	-	-	ND(0.0005)
Bromodichloromethane	0.005	-	-	-	-	-	-	ND(0.0005)
Bromoform	0.005	-	-	-	-	-	-	ND(0.0005)
Bromomethane	0.002	-	-	-	-	-	-	ND(0.0025)
Carbon disulfide	1	-	-	-	-	-	-	ND(0.0025)
Carbon tetrachloride	0.005	0.0044	-	-	-	-	-	ND(0.0005)
Chlorobenzene	0.1	-	-	-	-	-	-	ND(0.00175)
Chloroethane	1	-	-	-	-	-	-	ND(0.001)
Chloroform	0.005	-	-	-	-	-	-	ND(0.00075)
Chloromethane	1	-	-	-	-	-	-	ND(0.005)
Dibromochloromethane	0.005	-	-	-	-	-	-	ND(0.0005)
Ethylbenzene	0.7	#	ND	ND	-	-	-	ND(0.0005)
Methyl tert butyl ether	0.07	0.07	ND	ND	-	-	-	ND(0.01)
Methylene chloride	0.005	0.0046	-	-	-	-	-	ND(0.0025)
Styrene	0.1	-	-	-	-	-	-	ND(0.0005)
Tert-Butyl Alcohol	-	-	-	-	-	-	-	ND(0.05)
Tertiary-Amyl Methyl Ether	-	-	-	-	-	-	-	ND(0.01)
Tetrachloroethene	0.005	0.005	-	-	-	-	-	ND(0.00075)
Toluene	1	#	ND	ND	-	-	-	ND(0.0005)
Trichloroethane	0.005	0.005	-	-	-	-	-	ND(0.0005)
Trichlorofluoromethane	10	-	-	-	-	-	-	ND(0.0025)
Vinyl acetate	10	-	-	-	-	-	-	ND(0.01)
Vinyl chloride	0.002	0.002	-	-	-	-	-	ND(0.001)
Xylene (Total)	6	-	ND	ND	-	-	-	ND(0.001)
cis-1,2-Dichloroethene	0.07	0.07	-	-	-	-	-	ND(0.0005)
cis-1,3-Dichloropropene	0.0005	-	-	-	-	-	-	ND(0.00075)
o-xylene	6	#	-	-	-	-	-	ND(0.0005)
p/m-Xylene	6	#	-	-	-	-	-	ND(0.001)
trans-1,2-Dichloroethene	0.1	-	-	-	-	-	-	ND(0.00075)
trans-1,3-Dichloropropene	0.0005	-	-	-	-	-	-	ND(0.00075)
<b>Total VOCs</b>								ND
<b>SVOCs by GC/MS 8270 (mg/l)</b>								
1,2,4,5-Tetrachlorobenzene	10	-	-	-	-	-	-	ND(0.01)
1,2,4-Trichlorobenzene	0.07	-	-	-	-	-	-	ND(0.00245)
1,2-Dichlorobenzene	0.6	-	-	-	-	-	-	ND(0.00245)
1,3-Dichlorobenzene	0.6	-	-	-	-	-	-	ND(0.00245)
1,4-Dichlorobenzene	0.005	-	-	-	-	-	-	ND(0.00245)
1-Chloronaphthalene	-	-	-	-	-	-	-	ND(0.00245)
1-Methylnaphthalene	-	-	-	-	-	-	-	ND(0.00245)
2,4,5-Trichlorophenol	0.1	-	-	-	-	-	-	ND(0.00245)
2,4,6-Trichlorophenol	0.01	-	-	-	-	-	-	ND(0.00245)
2,4-Dichlorophenol	0.01	-	-	-	-	-	-	ND(0.0049)
2,4-Dimethylphenol	0.1	-	-	-	-	-	-	ND(0.0049)
2,4-Dinitrophenol	0.2	-	-	-	-	-	-	ND(0.01)
2,4-Dinitrotoluene	0.03	-	-	-	-	-	-	ND(0.00295)
2,6-Dichlorophenol	1	-	-	-	-	-	-	ND(0.0049)
2,6-Dinitrotoluene	1	-	-	-	-	-	-	ND(0.00245)
2-Chloronaphthalene	10	-	-	-	-	-	-	ND(0.00295)
2-Chlorophenol	0.01	-	-	-	-	-	-	ND(0.00295)
2-Methylnaphthalene	0.01	-	-	-	-	-	-	ND(0.00245)
2-Methylphenol	-	-	-	-	-	-	-	ND(0.00295)

TABLE I  
SUMMARY OF WATER QUALITY DATA  
SKYLINE AT STATION LANDING  
MEDFORD, MASSACHUSETTS  
FILE NO. 12355-640

SAMPLE DESIGNATION LABORATORY SAMPLE DESIGNATION SAMPLING DATE	MCP Reportable Concentration RCGW-2	NPDES RGP Effluent Limits	HA05-05 (OW) 21-Apr-05	HA05-04 (OW) 21-Apr-05	HA05-04 (OW) 11-May-05	HA05-05 (OW) 11-May-05	HA05-05 (OW) 11-May-05	HA05-04 L0512267-01 13-OCT-05
Other								
Solids, Total Suspended (mg/l)		30	460*	59*	-	-	-	36
Cyanide, Total (mg/l)	0.01	0.0052	<b>0.018**</b>	<b>0.094**</b>	<b>0.015**</b>	<b>0.015**</b>	<b>0.012 ff**</b>	ND(0.0025)
Cyanide, Amenable (mg/l)			ND	0.015*	-	-	-	ND(0.005)
Chlorine, Total Residual (mg/l)		0.011	-	-	-	-	-	ND(0.025)
TPH (mg/l)		5	ND	ND	-	-	-	ND(2)
Chromium, Hexavalent (mg/l)		0.0114	-	-	-	-	-	ND(0.01)
pH			7.04	6.81	-	-	-	-
Oil and Grease (mg/L)			ND	ND	-	-	-	-

## ABBREVIATIONS:

NA : Not analyzed

- : Not analyzed

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

ND: Indicates analyte not detected above laboratory detection limit.

#: Indicates Effluent limit limited as ug/L total BTEX

\*: Indicates the compliance limits are equal to the minimum level of the test method used.

Method 8270 does not require a minimum level per Appendix VI of the NPDES RGP

## NOTES:

1. This table includes only those compounds detected on the dates indicated.

2. Bold values indicate an exceedance of RCS-1 criteria.

3. Bold ND values indicate that one-half the laboratory quantitation limit  
exceeds the RCS-1 criteria.

4. "-": Indicates analyte not tested.

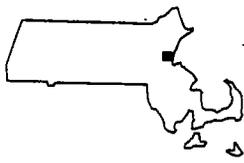
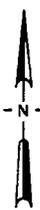
5. Bold with (\*) indicates exceedance of typical NPDES Exclusion limits.

6. Bold with (\*\*) indicates above exceedance of MCP - RCGW-2

7. ff: Indicates the sample was field filtered. All others were not field filtered.



SITE COORDINATES: 42°24'03"N 71°04'52"W



U.S.G.S. QUADRANGLE: BOSTON NORTH, MA



UNDERGROUND  
ENGINEERING &  
ENVIRONMENTAL  
SOLUTIONS

SKYLINE AT STATION LANDING  
MEDFORD, MASSACHUSETTS

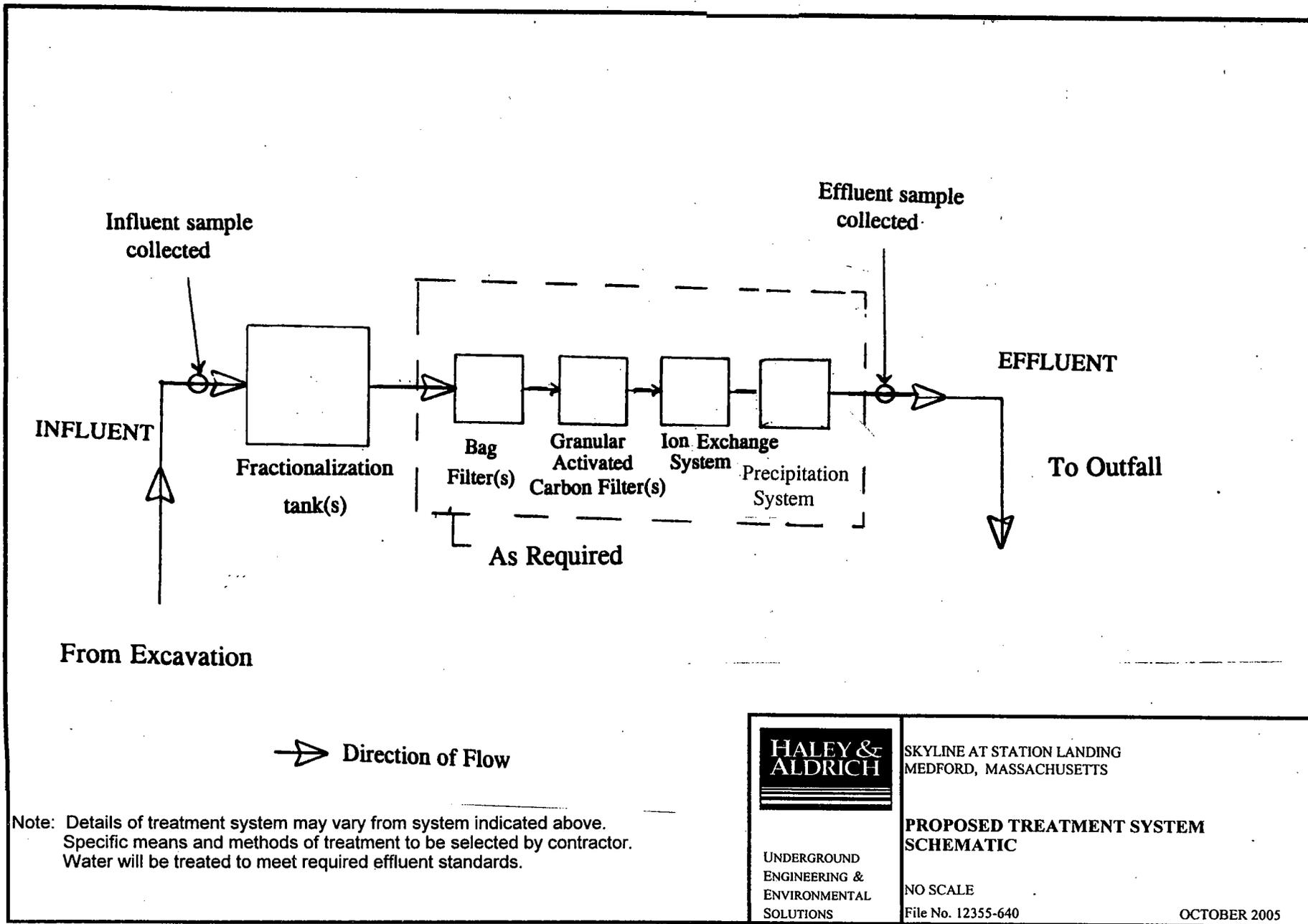
PROJECT LOCUS

APPROXIMATE SCALE: 1:25,000

OCTOBER 2005

12355-650 A83

FIGURE 1



➔ Direction of Flow

Note: 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.



UNDERGROUND  
ENGINEERING &  
ENVIRONMENTAL  
SOLUTIONS

SKYLINE AT STATION LANDING  
MEDFORD, MASSACHUSETTS

**PROPOSED TREATMENT SYSTEM  
SCHEMATIC**

NO SCALE  
File No. 12355-640

OCTOBER 2005

FIGURE 2



**APPENDIX A**

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

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

**I. General site information.** Please provide the following information about the site:

a) Name of facility/site: Skyline at Station Landing		Facility/site address: Presidents Landing Medford, MA 02155		
Location of facility/site: longitude: <u>71</u> latitude: <u>42.24</u>	Facility SIC code(s): None	Street: Presidents Landing		
b) Name of facility/site owner: Skyline at Station Landing LLC		Town: Medford		
Email address of owner: information@natdev.com		State: MA	Zip: 02155	County: Middlesex
Telephone no. of facility/site owner: (617) 527-9800		Owner is (check one): 1. Federal____ 2. State/Tribal____ 3. Private <input checked="" type="checkbox"/> 4. other, if so, describe:		
Fax no. of facility/site owner: (617) 965-7361				
Address of owner (if different from site): Street: 2310 Washington Street				
Town: Newton Lower Falls	State: MA	Zip: 02462	County: Middlesex	
c) Legal name of operator: Cranshaw Construction of New England		Operator telephone no: (617) 965-7300		
		Operator fax no.: (617) 527-1977	Operator email: cblack@cranshaw.com	
Operator contact name and title: Mr. Charles Black, Project Superintendent				

Address of operator (if different from owner):		Street:	
Town:	State:	Zip:	County:
d) Check "yes" or "no" for the following: 1. Has a prior NPDES permit exclusion been granted for the discharge? Yes___ No <input checked="" type="checkbox"/> , if "yes," number: 2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes___ No <input checked="" type="checkbox"/> , if "yes," date and tracking #: 3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes <input checked="" type="checkbox"/> No___ 4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes <input checked="" type="checkbox"/> No___			
e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes___ No <input checked="" type="checkbox"/> 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___ N <input checked="" type="checkbox"/> , if Y, number: 2. phase I or II construction storm water general permit? Y___ N <input checked="" type="checkbox"/> , if Y, number: 3. individual NPDES permit? Y___ N <input checked="" type="checkbox"/> , if Y, number: 4. any other water quality related permit? Y___ N <input checked="" type="checkbox"/> , if Y, number:	

**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: 1	2) What is the <b>maximum and average flow rate</b> of discharge (in cubic feet per second, ft <sup>3</sup> /s)? Max. flow <u>0.17</u> Average flow <u>0.06</u> Is maximum flow a <b>design value</b> ? Y___ N <input checked="" type="checkbox"/> 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>71.0</u> lat. <u>42.24</u> ; pt.2: long. _____ lat. _____; pt.3: long. _____ lat. _____; pt.4: long. _____ lat. _____; pt.5: long. _____ lat. _____; pt.6: long. _____ lat. _____; pt.7: long. _____ lat. _____; pt.8: long. _____ lat. _____; etc.		

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent <input checked="" type="checkbox"/> or seasonal _____? Is discharge ongoing Yes _____ No <input checked="" type="checkbox"/> ?
c) Expected dates of discharge (mm/dd/yy): start <u>12/01/05</u> end <u>12/01/06</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).	

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 <input checked="" type="checkbox"/>	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		<input checked="" type="checkbox"/>	3	Grab	160.2	5000	46000			
2. Total Residual Chlorine	<input checked="" type="checkbox"/>		1	Grab	330.1	50	ND			
3. Total Petroleum Hydrocarbons	<input checked="" type="checkbox"/>		3	Grab	1664	4000	ND			
4. Cyanide		<input checked="" type="checkbox"/>	6	Grab	335.2	5	94			
5. Benzene	<input checked="" type="checkbox"/>		3	Grab	624	1	ND			
6. Toluene	<input checked="" type="checkbox"/>		3	Grab	624	1	ND			
7. Ethylbenzene	<input checked="" type="checkbox"/>		3	Grab	624	1	ND			
8. (m,p,o) Xylenes	<input checked="" type="checkbox"/>		3	Grab	624	2	ND			
9. Total BTEX <sup>4</sup>	<input checked="" type="checkbox"/>		3	Grab	624	1	ND			

<sup>4</sup>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 (1,2- Dibromo-methane)	✓		1	Grab	504.1	0.019	ND			
11. Methyl-tert-Butyl Ether (MtBE)	✓		3	Grab	624	20	ND			
12. tert-Butyl Alcohol (TBA)	✓		1	Grab	624	100	ND			
13. tert-Amyl Methyl Ether (TAME)	✓		1	Grab	624	20	ND			
14. Naphthalene	✓		3	Grab	8270	4.9	ND			x
15. Carbon Tetra-chloride	✓		1	Grab	624	1	ND			
16. 1,4 Dichlorobenzene	✓		1	Grab	624	5	ND			
17. 1,2 Dichlorobenzene	✓		1	Grab	624	5	ND			
18. 1,3 Dichlorobenzene	✓		1	Grab	624	5	ND			
19. 1,1 Dichloroethane	✓		1	Grab	624	1.5	ND			
20. 1,2 Dichloroethane	✓		1	Grab	624	1.5	ND			
21. 1,1 Dichloroethylene	✓		1	Grab	624	1	ND			
22. cis-1,2 Dichloro-ethylene	✓		1	Grab	624	1	ND			
23. Dichloromethane (Methylene Chloride)	✓		1	Grab	624	5	ND			
24. Tetrachloroethylene	✓		1	Grab	624	1.5	ND			

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)
25. 1,1,1 Trichloroethane	✓		1	Grab	624	1.5	ND			
26. 1,1,2 Trichloroethane	✓		1	Grab	624	1.5	ND			
27. Trichloroethylene	✓		1	Grab	624	1	ND			
28. Vinyl Chloride	✓		1	Grab	624	2	ND			
29. Acetone	✓		1	Grab	624	10	ND			
30. 1,4 Dioxane	✓		1	Grab	624	2000	ND			
31. Total Phenols	✓		1	Grab	8270C	6.8	ND			
32. Pentachlorophenol	✓		1	Grab	8270C	20	ND			
33. Total Phthalates <sup>5</sup> (Phthalate esthers)	✓		1	Grab	8270C	4.9	ND			
34. Bis (2-Ethylhexyl) Phthalate [Di-(ethylhexyl) Phthalate]	✓		1	Grab	8270C	9.8	ND			
35. Total Group I Polycyclic Aromatic Hydrocarbons (PAH)										
a. Benzo(a) Anthracene	✓		2	Grab	8270C	0.19	ND			
b. Benzo(a) Pyrene	✓		2	Grab	8270C	0.19	ND			
c. Benzo(b)Fluoranthene	✓		2	Grab	8270C	0.19	ND			
d. Benzo(k) Fluoranthene	✓		2	Grab	8270C	0.19	ND			
e. Chrysene	✓		2	Grab	8270C	0.19	ND			

<sup>5</sup>The sum of individual phthalate compounds.

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		Average daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
f. Dibenzo(a,h) anthracene	✓		1	Grab	8270C	0.19	ND			
g. Indeno(1,2,3-cd) Pyrene	✓		1	Grab	8270C	0.19	ND			
<b>36. Total Group II Polycyclic Aromatic Hydrocarbons (PAH)</b>										
h. Acenaphthene		✓	3	Grab	8270	0.19	2.6			
i. Acenaphthylene	✓		3	Grab	8270	0.19	ND			
j. Anthracene		✓	3	Grab	8270	0.19	0.32			
k. Benzo(ghi) Perylene	✓		3	Grab	8270	0.19	ND			
l. Fluoranthene		✓	3	Grab	8270	0.19	1.0			
m. Fluorene		✓	3	Grab	8270	0.19	0.29			
n. Naphthalene-	✓		3	Grab	8270	0.19	ND			
o. Phenanthrene		✓	3	Grab	8270	0.19	0.5			
p. Pyrene		✓	3	Grab	8270	0.19	0.96			
<b>37. Total Polychlorinated Biphenyls (PCBs)</b>	✓		1	Grab	608	0.258	ND			
38. Antimony	✓		1	Grab	200.9	0.5	ND			
39. Arsenic		✓	3	Grab	200.7	0.5	16			
40. Cadmium	✓		1	Grab	213.2	0.2	ND			
41. Chromium III	✓		1	Grab			ND			
42. Chromium VI	✓		1	Grab	3500	20	ND			

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	✓		1	Grab	200.7	10	ND			
44. Lead		✓	5	Grab	200.7	10	45			
45. Mercury	✓		1	Grab	245.2	0.2	ND			
46. Nickel	✓		1	Grab	200.7	25	ND			
47. Selenium	✓		1	Grab	200.7	5	ND			
48. Silver	✓		1	Grab	272.2	0.4	ND			
49. Zinc	✓		1	Grab	200.7	50	ND			
50. Iron		✓	1	Grab	200.7	50	14000			
Other (describe):										

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

<p><i>Step 1:</i> Do any of the metals in the influent have a <b>reasonable potential</b> to exceed the effluent limits in Appendix III (i.e., the limits set at zero to five dilutions)? Y <input checked="" type="checkbox"/> N <input type="checkbox"/></p>	<p>If yes, which metals? Iron</p>
<p><i>Step 2:</i> For any metals which have <b>reasonable potential</b> to exceed the <b>Appendix III</b> limits, calculate the <b>dilution factor (DF)</b> 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: <u>Iron</u></p> <p>DF: <u>88</u></p>	<p>Look up the limit calculated at the corresponding dilution factor in <b>Appendix IV</b>. Do any of the metals in the <b>influent</b> have the potential to exceed the corresponding <b>effluent</b> limits in Appendix IV (i.e., is the influent concentration above the limit set at the calculated dilution factor)? Y <input checked="" type="checkbox"/> N <input type="checkbox"/> If "Yes," list which metals: Iron</p>



**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:  
 System influent — Frac. tank — Bag filter — GAC filter — Ion exchange — Precipitation System — Effluent  
 As needed

b) Identify each applicable treatment unit (check all that apply):	Frac. tank <input checked="" type="checkbox"/>	Air stripper	Oil/water separator	Equalization tanks	Bag filter	GAC filter
	Chlorination	Dechlorination	Other (please describe): Bag filter, 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 25 est Maximum flow rate of treatment system 75 est Design flow rate of treatment system 75 est

d) A description of chemical additives being used or planned to be used (attach MSDS sheets):  
 Please see attached Floc Log fact sheets and MSDS for ion exchange system for possible chemical additives or treatments.

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

a) Identify the discharge pathway:	Direct <input type="checkbox"/>	Within facility <input type="checkbox"/>	Storm drain <input checked="" type="checkbox"/>	River/brook <input type="checkbox"/>	Wetlands <input type="checkbox"/>	Other (describe):
------------------------------------	---------------------------------	--	---	--------------------------------------	-----------------------------------	-------------------

b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters:  
 Dewatering effluent is planned to be discharged into existing site storm drain. Discharge to the storm drains flows beneath Presidents Landing, subsequently connecting to a storm drain flowing south and adjacent to the Middlesex Fells Parkway, and eventually discharging to the Mystic River near the Middlesex Fells Parkway Bridge.

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 dischargers, 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 B,

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 14.66 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)?  
Metals, Nutrients, Pathogens.

Is there a TMDL? Yes  No  If yes, for which pollutant(s)?

Metals, Nutrients, Pathogens. Documented as Category 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

Has any consultation with the federal services been completed? No  or is consultation underway? 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.

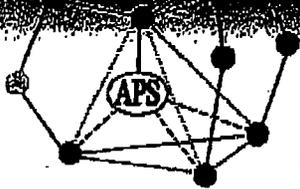
**8. Signature Requirements:** The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

*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:	SKYLINE CONDOS
Operator signature:	
Title:	Const Supt
Date:	Nov 30, 2005

**APPENDIX B**

**MSDS and Fact Sheets**



519 Industrial Drive  
 Woodstock, GA 30189  
 678-494-5998  
 www.siltstop.com

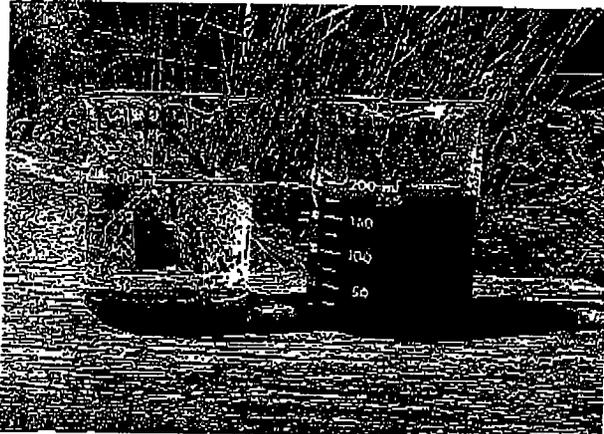
# Floc Log®

The Applied Polymer Systems, Inc. 700 Series Floc Log is a semi-hydrated polyacrylamide blended block that when placed within turbid water flows will remove fine particles and reduce NTU values. Each Floc Log is formulated for the soil and water chemistry of the geographical area where placement and usage are intended.

The Floc Log is one of the most innovative approaches to using polyacrylamide blends in water applications. Not only is the Floc Log non-toxic, but it also eliminates the need for machinery or other electrical devices for pumping or mixing when using liquid materials to treat turbid water. The Floc Log contains materials that enhance its performance by reducing reaction times and decreasing NTU values. This enables the Floc Log to outperform the results of PAM or chitosan alone. The Floc Log is for use wherever turbid water flows occur. As with all Applied Polymer Systems, Inc. products, proper soil or water sample analysis must be done to determine which Floc Log type is correct for your soil.



Floc Log ditch placement, used in conjunction with BMP's



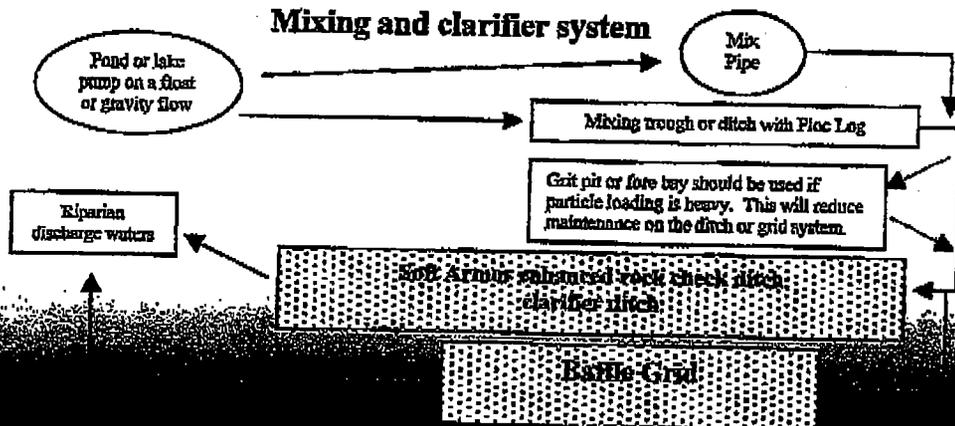
Turbid water before and after being treated with the Floc Log

### Floc Log Specifications

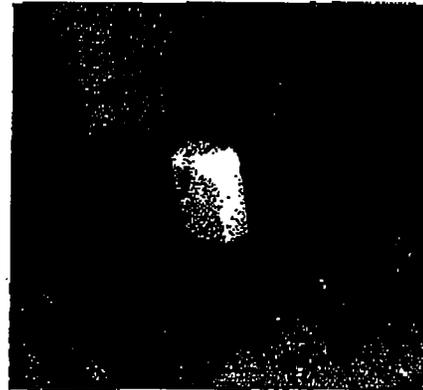
- ANSI/NSF Standard 60 Drinking Water Treatment Chemical Additives
- EPA/600/4-90/027F 48Hr. Acute Static Screen Toxicity Test (*Daphnia Magna*)
- EPA/600/4-91/002 7 Day Chronic Toxicity Test (*Pimephales promelas*)

APS, Inc. currently has over 50 types of Floc Logs. Each Floc Log is tailored for the specific requirement of water chemistry and soil within your geographical area. Most soils within EPA Region 4 have been classified and will not require a soil and water sample. Areas outside EPA Region 4 will require a soil and water sample.

The Floc Log is available in two forms, clarifier and particle. Clarifier Floc Log is used for colloidal water and very fine suspended particles. Particle Floc Log is used for heavily particle laden water in areas before sediment traps and sediment ponds. (Floc Log is available in boxes of 4)

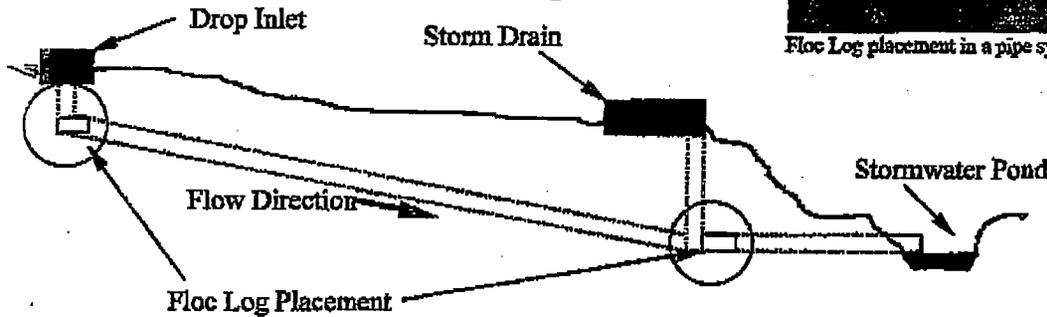


Placement of the Floc Log should be as close to the source of the particle suspension and turbidity as possible. Finer particles and colloidal suspensions will require greater mixing times, usually never greater than 75 seconds, but typically 10 to 30 seconds. The mixing time is the time it takes for the water to flow through a ditch system or a pipe. Ideal performance will be attained when the Floc Log is used in conjunction with the Best Management Practices. Rock checks, drop inlets, storm drains, retrofits and slope drains all greatly enhance the effectiveness of the Floc Log. The Floc Log is designed for a base flow rate of 60 - 75 GPM (Gallons Per Minute). A typical placement is shown in the following diagrams.

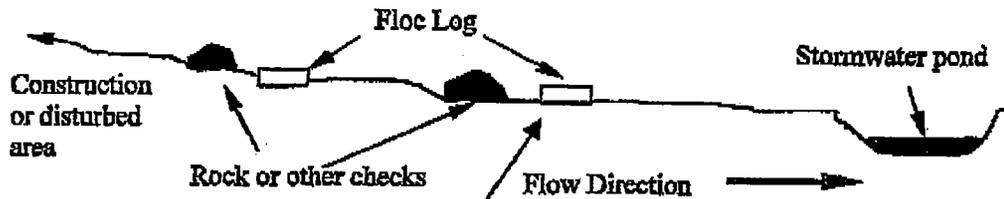


Floc Log placement in a pipe system

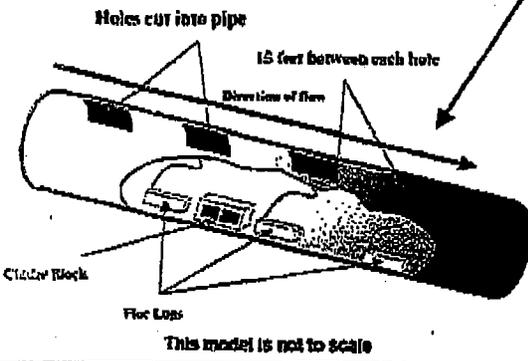
### Closed drain placement



### Open ditch placement



Example: Pipe Mixing System



As shown in the diagrams, the Floc Log can be used in a variety of mixing systems. Placement between each Floc Log is typically 15 feet, and they should be well upstream from the discharge point to allow for adequate mixing time. For best results, Floc Logs should be kept moist and should not be placed in direct sunlight.

For a no cost sample analysis contact us at 678-494-5998. This analysis is imperative as there is no one Floc Log for all soil types.

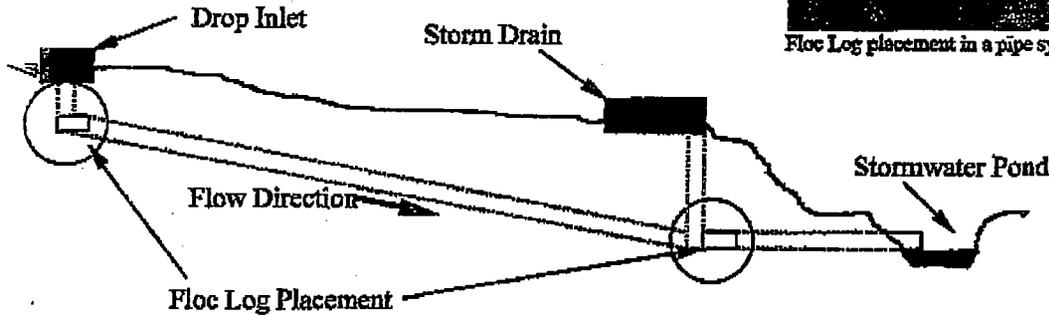
### Placement

Placement of the Floc Log should be as close to the source of the particle suspension and turbidity as possible. Finer particles and colloidal suspensions will require greater mixing times, usually never greater than 75 seconds, but typically 10 to 30 seconds. The mixing time is the time it takes for the water to flow through a ditch system or a pipe. Ideal performance will be maintained when the Floc Log is used in conjunction with the Best Management Practices. Rock checks, drop inlets, storm drains, retrofits and slope drains all greatly enhance the effectiveness of the Floc Log. The Floc Log is designed for a base flow rate of 60 - 75 GPM (Gallons Per Minute). A typical placement is shown in the following diagrams.

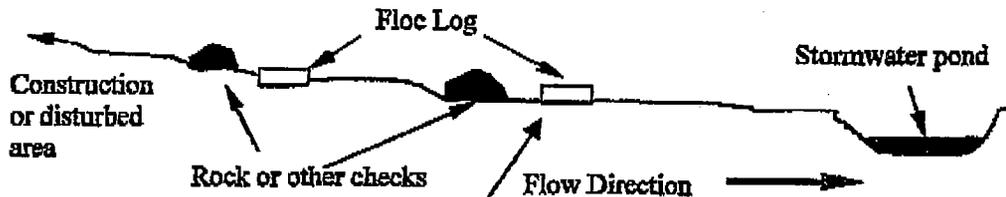


Floc Log placement in a pipe system.

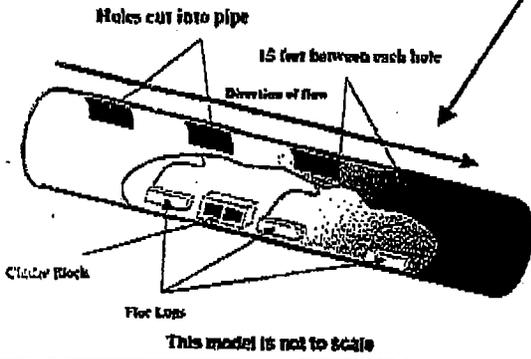
### Closed drain placement



### Open ditch placement



Example: Pipe Mixing System



As shown in the diagrams, the Floc Log can be used in a variety of mixing systems. Placement between each Floc Log is typically 15 feet, and they should be well upstream from the discharge point to allow for adequate mixing time. For best results, Floc Logs should be kept moist and should not be placed in direct sunlight.

For a no cost sample analysis contact us at 678-494-5998. This analysis is imperative as there is no one Floc Log for all soil types.

*MSDS for Resin*

DIAION® SA10A: Page 1/4

# MATERIAL SAFETY DATA SHEET

DATE PREPARED: October 23, 2003

## 1. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: DIAION® SA10A (Strongly Basic Anion Exchange Resin, Cl form)

### COMPANY IDENTIFICATION:

#### SUPPLIER

Name :

Address :

Telephone :

Facsimile:

#### MANUFACTURER

Name : Mitsubishi Chemical Corporation

Address : 33-8, Shiba 5-chome, Minato-ku, Tokyo 108-0014, Japan

Telephone : +81-(0)3-6414-3390 Facsimile: +81-(0)3-6414-3407

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

### COMPOSITION / INFORMATION :

Component	%
Diethenylbenzene, polymer with ar-ethenyl-N,N,N-trimethylbenzenemethanaminium chloride (CAS No.: 60177-39-1 / EINECS No.: not applicable)	30-70
Remaining portion is H <sub>2</sub> O	

## 3. HAZARDOUS IDENTIFICATION

CLASS NAME OF HAZARDOUS CHEMICALS FOR MSDS IN JAPAN: not applicable

PHYSICAL AND CHEMICAL HAZARDS: Under certain conditions, strong oxidizing agents such as nitric acid could cause slight copolymer degradation up to explosive reaction.

## 4. FIRST-AID MEASURES

- EYE CONTACT: Eye-flush with water for more than 15 minutes. If necessary, consult a physician.
- SKIN CONTACT: Wash with water and soap. In case of irritation, consult a physician.
- INHALATION: Possibility of inhalation is low. The resin particle size is approx. 0.3-1.2 mm and the resin contains almost no fine particles.
- INGESTION: Not specially necessary in case of small amount. In case of stomachache, consult a physician.

---

## 5. FIRE-FIGHTING MEASURES

---

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, dry chemical, water spray

**EXTINGUISHING MEDIA WHICH MUST NOT BE USED FOR SAFETY REASONS:** none

**SPECIAL FIRE-FIGHTING PROCEDURES:** Wear self-contained breathing apparatus and fully protective gear. Keep personnel removed from and upwind of fire. Keep unnecessary people away.

**HAZARDOUS COMBUSTION PRODUCTS:** CO, NO<sub>x</sub>, HCl

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## 6. ACCIDENTAL RELEASE MEASURES

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**PERSONAL PRECAUTIONS:** Resins may be slippery. Do not step on the spilled resins. Evacuate non-essential personnel.

**ENVIRONMENTAL PRECAUTIONS:** Prevent spilled resins from entering sewers or watercourses.

**METHODS FOR CLEANING UP:** Sweep up, place in closed containers and have them disposed of by experts.

---

## 7. HANDLING & STORAGE

---

**HANDLING:** Wear safety glasses and protective gloves to avoid eye or skin contact. Resin handling should be in well-ventilated, upwind areas. Eye-washing facilities must be set in the working area. Do not step on spilled resins because the resins are very slippery. Avoid high temperature, sparks and flames. Also avoid contact or mixture with oxidizing substances.

**STORAGE:** Store in a cool, dry, well-ventilated location at temperature more than 0 °C not to freeze resins. Keep the containers completely closed. Keep away from oxidizing substances.

---

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

---

**OCCUPATIONAL EXPOSURE LIMIT:** ACGIH TLV (TWA) not established  
(STEL) not established

**ENGINEERING MEASURES:** If resin handling is made in-house, general and/or local exhaust ventilation is preferred.

**PERSONAL PROTECTION:**

Respiratory protection: not necessary

Hand protection: Rubber gloves

Eye protection: Safety glasses or face shield

Skin protection: not necessary

---

## 9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE: light yellow translucent beads

ODOUR: slight amine odour	pH: not applicable
BOILING POINT: not applicable	MELTING POINT: not applicable
FLASH POINT: not applicable	FLAMMABILITY: not applicable
AUTOFLAMMABILITY: not available	EXPLOSIVE PROPERTIES: none
OXIDIZING PROPERTIES: none	VAPOUR PRESSURE: none
RELATIVE DENSITY: approx. 1.1	VAPOUR DENSITY: none
SOLUBILITY: (Water) Insoluble	
(Solvents) Insoluble	
PARTITION COEFFICIENT: not applicable	
(n-OCTANOL/WATER)	

## 10. STABILITY & REACTIVITY

STABILITY & REACTIVITY: chemically stable  
 CONDITIONS TO AVOID: drying and freezing  
 MATERIALS TO AVOID: strong oxidizing substances such as nitric acid  
 HAZARDOUS DECOMPOSITION PRODUCTS (except burning): none

## 11. TOXICOLOGICAL INFORMATION

SKIN CORROSIVITY:	Essentially no skin corrosivity
IRRITATION:	
EYE:	May cause slight transient eye irritation
SKIN:	Essentially no skin irritation
SENSITIZATION:	not available
NARCOSIS:	none
ACUTE TOXICITY:	
ORAL:	Believed to be essentially none
SKIN:	Believed to be essentially none
INHALATION	Believed to be essentially none
SUBACUTE TOXICITY:	Believed to be essentially none
SUBCHRONIC TOXICITY:	Believed to be essentially none
CHRONIC TOXICITY:	Believed to be essentially none
CARCINOGENICITY:	Believed to be essentially none
MUTAGENICITY:	Believed to be essentially none
REPRODUCTIVE TOXICITY:	Believed to be essentially none

## 12. ECOLOGICAL INFORMATION

DEGRADABILITY:	not available
BIODEGRADABILITY	none
ACCUMULATION:	not available
BIOACCUMULATION	none
ECOTOXICITY:	not available
TOXICITY TO FISH	not available
OTHER ADVERSE EFFECTS:	not available

## 13. DISPOSAL CONSIDERATIONS

After removal of hazardous and/or poisonous substances on used resin or contaminated package, dispose of the materials by either incineration or landfill.

Above disposal methods should be applied under conditions which meet all regulations relating to waste in your country.

## 14. TRANSPORT INFORMATION

Temperature during transportation must be kept more than 0 °C. Keep away from oxidizing substances.

In addition, please follow all regulations in your country.

### FURTHER INFORMATION:

UN CLASS	not applicable	UN No.	not applicable
IMDG	not applicable	IATA/ICAO	not applicable
RID	not applicable	ADR	not applicable.

## 15. REGULATORY INFORMATION

Please follow all regulations in your country.

## 16. OTHER INFORMATION

### [LEACHABLES]

By contacting with water or solvents, trace level of substances such as  $N(CH_3)_2$ ,  $C_6H_5CHO$ ,  $HCHO$  etc. may be released into the liquid. Please refer to applicable regulations and, if necessary, please call for details.

**Disclaimer:** Judgements as to the suitability of information herein are the purchaser's responsibility. Although reasonable care has been taken in the preparation of such information, Mitsubishi Chemical Corporation extends no warranties, makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to the purchaser's intended purpose or for consequences of its use.

**APPENDIX C**

**Best Management Practices Plan (BMPP)**

File # 12355-640

Skyline at Station Landing

Medford, MA

Remediation General Permit (RGP) Under the National Pollutant Discharge Elimination System (NPDES)

### **Best Management Practices Plan**

A Remediation General Permit (RGP) under the National Pollutant Discharge Elimination System (NPDES) has been compiled and submitted to the US Environmental Protection Agency (EPA) in anticipation of construction dewatering to occur at the Skyline at Station Landing project site located in Medford, Massachusetts. This Best Management Practices Plan (BMPP) has been prepared as an Appendix to the RGP and will be posted at the site during discharge.

### **Water Treatment and Management**

Construction dewatering effluent is anticipated to be pumped from the sheeted excavation with water pumps, possibly installed in sump pits, through hoses directly to a fractionalization tank located adjacent to the excavation for sedimentation control. The effluent will then flow through any necessary treatment systems and discharged through hoses to an existing below grade infrastructure via a storm drain. Treatment may consist of bag filters, Granular Activated Carbon, Ion exchange system, and Precipitation system as required.

Discharge to the storm drains flows beneath Presidents Landing, subsequently connecting to a storm drain flowing south and adjacent to the Middlesex Fells Parkway, and eventually discharging to the Mystic River near the Middlesex Fells Parkway Bridge.

### **Discharge Monitoring and Compliance**

Regular sampling and testing will be conducted of the influent to the system and the treated effluent as required by the RGP. This includes chemical testing required within the first month of discharging, and the monthly testing to be conducted through the end of the scheduled discharge.

Monitoring will include checking the condition of the treatment system, determine the need for treatment system adjustments based on monitoring data, observation and recording of daily flow rates discharge quantities by reading flow meters anticipated to be installed at the system, and flows paths of the discharged effluent.

The total monthly flow will be monitored by checking and documenting the flow through the anticipated flow meter installed on the system. Flow will be maintained below the "system design flow" by regularly monitoring flow and adjusting amount of construction dewatering as needed. Monthly monitoring reports will be compiled.

### **System Maintenance**

A number of methods will be used to minimize the potential for violations for the term of this permit. Scheduled regular maintenance of the treatment system will be conducted to verify proper operation. Regular maintenance would include checking condition of the treatment system

equipment such as the fractionalization tanks, the variety of filters which may be used, hoses, pumps and flow meters. Equipment will be monitored daily for any potential issues or unscheduled maintenance requirements.

A Preventative Maintenance Plan (PMP) will be followed where daily maintenance and system observations by the operator shall be conducted to help ensure that the treatment equipment is in good operation

Employees who have direct or indirect responsibility for insuring compliance with the RGP will be trained by the Operator.

### **Miscellaneous issues**

Due to the nature of the enclosed excavation through the use of sheeting, erosion control and the nature of the site and surrounding infrastructure, it is not anticipated that there will be any run off into the site from other sources, as well as no run off from the site.

Erosion control will be covered in the project specifications. Site security for the treatment system can be covered within the overall site security plan.

No adverse affects of designated water uses of surrounding surface water bodies is anticipated. The Mystic River is the nearest surface water body to the site located approximately 175 to 200 ft. from the construction activities on site. As mentioned earlier, the discharged effluent will be pumped directly to a storm drain located onsite and into existing below grade infrastructure.

### **Management of Treatment System Materials**

No potential sources of pollutants are anticipated during construction dewatering activities. Dewatering effluent will be pumped directly to the treatment system from the excavation with use of hoses and sumps to minimize handling. The contractor will establish staging areas on the site for any equipment or materials storage which may be possible sources of pollution away from any dewatering activities.

Sediment from the fractionalization tank used in the treatment system will be characterized and disposed of as soil at an appropriate receiving facility in accordance with applicable laws and regulations. If used, Granular Activated Carbon and Ion Exchange resin will be likely recycled and/or manifested to the appropriate receiving facility. Bag filters, if used, will be manifested and disposed of as suited.

**APPENDIX D**

**National Register of Historic Places documentation**

**NATIONAL PARK SERVICE**  
**NATIONAL REGISTER OF HISTORIC PLACES**  
**NATIONAL REGISTER OF HISTORIC PLACES INFORMATION SYSTEM**

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**CONTACT INFORMATION**

## Using the NRIS

Welcome to the National Register Information System (NRIS), a database that contains information on places listed in or determined eligible for the National Register of Historic Places. Established under the National Historic Preservation Act of 1966, the National Register has identified and documented, in partnership with state, federal, and tribal preservation programs nearly 79,000 districts, sites, buildings, structures, and objects that are significant in American history, architecture, archeology, engineering, and culture. Over 1 million contributing resources are included in the boundaries of National Register listings. Recognizing a vast and diverse array of historic properties throughout the United States and its territories, the National Register has been a catalyst for preserving communities, maintaining cultural traditions, recognizing community history, and revitalizing cities across the United States. The Register includes landmarks of American achievement as well as properties that reflect the everyday lives of ordinary people in communities across the nation. For more information on the National Register collection, please visit the National Register's [Research](#) homepage. If you are familiar with the NRIS, you can proceed directly to the database. Several [State Historic Preservation Office web sites](#) also offer more information on National Register listed properties in their state. 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. Go to our list of [SHPO Inventories](#) for referrals to states offering more information.

The NRIS is a computerized index that contains information on each of the historic properties listed in or determined eligible for the National Register of Historic Places. Currently, five searchable categories are available--name, location, agency, subject and multiple covers--and more will be added in time. The name, location and agency categories each include several ways of defining your search. Once the database matches your search query, it will provide you with the name of the properties, their addresses, and links to pertinent Web sites that may provide further information. While full text versions of individual National Register nominations are not currently available, we encourage you to visit the links to pertinent Web sites, when provided, to get more complete information. Each searchable category page has numerous selections to aid in defining your search and a **Help** section with links to [general information](#) you should know about how to use the NRIS system including screen navigation and running reports, exporting and downloading, and [trouble shooting tips](#).

The National Register of Historic Places is pleased to announce that the General Services Administration's Center for Historic Buildings, Office of the Chief Architect is partnering with the National Park Service to digitize records of listed GSA properties to make them accessible online through the National Register Information System database. This is the first inter-agency partnership on this project and the latest incremental step by the National Register in digitizing the documentation on nearly 79,000 nominations. Multiple property nomination contexts have been digitized and are now available through the [NRIS database](#). Work on the National Park Service's own listed properties is currently underway. To find out more about the scanning project and partnership opportunities, click [here](#).

## Searchable Categories

Click on one of the four categories below to begin your search.

The NAME search allows you to look for properties by resource name, architect/engineer, significant person, or multiple property submission name.

Searching by LOCATION lets you find properties in your state, city, or county.

AGENCY allows you to look up Federal properties by the agency that nominated the property, as well as properties that were formally determined eligible for listing by the Keeper of the National Register.

The SUBJECT search unites those National Register properties that are highlighted in various National Register Web travel itineraries, Teaching with Historic Places on-line lesson plans, other National Park Service Web features, and the Historic American Buildings Survey/Historic American Engineering Record (HABS/HAER) collection at the Library of Congress with links to applicable Web sites provided.

The DOCUMENTATION search includes GSA PROPERTIES and MULTIPLE COVERS contain valuable information on groups of properties around the country. This search feature allows you access over 1,400 multiple property nomination contexts that have been digitized and are available as pdfs.

A small percentage of users may want to manipulate database information in their local computer environment. For this purpose, visit the download center. If you have further questions about how to use this system, please send us an e-mail.

[Comments or Questions](#)

[Privacy & Disclaimer](#)  
SEB/TCP





**Index by State and City**

National Register Information System

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No filter

Include filter in navigation

Row	STATE	COUNTY	RESOURCE NAME	ADDRESS	CITY	LISTED	MULTIPLE
1	MA	Middlesex	Albree-Hall-Lawrence House	353 Lawrence Rd.	Medford	1976-04-30	
2	MA	Middlesex	Angier, John B., House	129 High St.	Medford	1975-04-23	
3	MA	Middlesex	Bigelow Block	NE Corner of Forest and Salem Sts.	Medford	1975-02-24	
4	MA	Middlesex	Brooks, Charles, House	309 High St.	Medford	1975-06-18	
5	MA	Middlesex	Brooks, Jonathan, House	2 Woburn St.	Medford	1975-06-26	
6	MA	Middlesex	Brooks, Shepherd, Estate	275 Grove St.	Medford	1975-04-21	
7	MA	Middlesex	Curtis, Paul, House	114 South St.	Medford	1975-05-06	
8	MA	Middlesex	Fernald, George P., House	12 Rock Hill St.	Medford	1976-04-30	
9	MA	Middlesex	Fletcher, Jonathan, House	283 High St.	Medford	1975-06-23	
10	MA	Middlesex	Grace Episcopal Church	160 High St.	Medford	1972-11-03	

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**APPENDIX E**

**Endangered Species Act documentation**

## Appendix II: Endangered Species Act: County Species List

The following list identifies listed or proposed U.S. species by State and County. If you are located close to the border of a county or your site is located in one county and your discharge points are located in another, you must look under both counties. This list has been updated through October 2004. However, since species are listed and de-listed periodically, you will need the most current list at the time you are conducting your endangered species assessment. The Endangered Species Home Page is located at: <http://endangered.fws.gov/>. Species listed below with a status of both endangered (E) and threatened (T) are generally either endangered or threatened within the specified county. Designation of critical habitat (CH) does not mean that the county constitutes critical habitat, only that CH has been designated for that for that species.

### **Massachusetts:**

County	Group name	Inverse name	Scientific name	Action/status
No county details - all permittees should consider	Mammals	Lynx, Canada	Lynx canadensis	T
Barnstable	Birds	Eagle, Bald	Haliaeetus leucocephalus	T
		Plover, Piping	Charadrius melodus	E,T
		Tern, Roseate	Sterna dougalli dougalli	E,T
	Plants	Gerardia, Sandplain	Agalinus acuta	E
	Reptiles	Turtle, Kemp's (Atlantic) Ridley Sea	Lepidochelys kempii	E
		Turtle, Loggerhead Sea	Caretta caretta	T
Berkshire	Mammals	Bat, Indiana	Myotis sodalis	E
		Cougar, Eastern	Felis concolor cougar	E
	Reptiles	Turtle, Bog	Clemmys muhlenbergii	T
Bristol	Birds	Eagle, Bald	Haliaeetus leucocephalus	T
		Plover, Piping	Charadrius melodus	E,T
	Fishes	Sturgeon, Shortnose	Acipenser brevirostrum	E
	Reptiles	Turtle, Kemp's (Atlantic) Ridley Sea	Lepidochelys kempii	E
		Turtle, Loggerhead Sea	Caretta caretta	T
Dukes	Birds	Eagle, Bald	Haliaeetus leucocephalus	T
		Plover, Piping	Charadrius melodus	E,T
	Insects	Beetle, Northeastern Beach Tiger	Cincindela dorsalis dorsalis	T
	Reptiles	Turtle, Kemp's (Atlantic) Ridley Sea	Lepidochelys kempii	E
		Turtle, Loggerhead Sea	Caretta caretta	T

Essex	Birds	Eagle, Bald	<i>Haliaeetus leucocephalus</i>	T
		Plover, Piping	<i>Charadrius melodus</i>	E,T
	Fishes	Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E
	Plants	Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T
	Reptiles	Turtle, Kemp's (Atlantic) Ridley Sea	<i>Lepidochelys kempii</i>	E
		Turtle, Loggerhead Sea	<i>Caretta caretta</i>	T
Franklin	Birds	Eagle, Bald	<i>Haliaeetus leucocephalus</i>	T
	Fishes	Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E
	Plants	Bulrush, Northeastern (= Barbed Bristle)	<i>Scirpus ancistrochaetus</i>	E
Hampden	Birds	Eagle, Bald	<i>Haliaeetus leucocephalus</i>	T
	Fishes	Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E
	Plants	Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T
Hampshire	Birds	Eagle, Bald	<i>Haliaeetus leucocephalus</i>	T
	Fishes	Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E
	Insects	Beetle, Puritan Tiger	<i>Cincindela puritana</i>	T
	Mammals	Cougar, Eastern	<i>Felis concolor cougar</i>	E
	Plants	Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T
Middlesex	Birds	Eagle, Bald	<i>Haliaeetus leucocephalus</i>	T
Nantucket	Birds	Eagle, Bald	<i>Haliaeetus leucocephalus</i>	T
		Plover, Piping	<i>Charadrius melodus</i>	E,T
	Reptiles	Turtle, Kemp's (Atlantic) Ridley Sea	<i>Lepidochelys kempii</i>	E
		Turtle, Loggerhead Sea	<i>Caretta caretta</i>	T
Norfolk	Reptiles	Turtle, Kemp's (Atlantic) Ridley Sea	<i>Lepidochelys kempii</i>	E
		Turtle, Loggerhead Sea	<i>Caretta caretta</i>	T
Plymouth	Birds	Eagle, Bald	<i>Haliaeetus leucocephalus</i>	T
		Plover, Piping	<i>Charadrius melodus</i>	E,T
		Tern, Roseate	<i>Sterna dougalli dougalli</i>	E,T
	Reptiles	Northern Redbelly Cooter	<i>Pseudemys rubriventris</i>	E, CH