



**PHASE IV STATUS REPORT**

**HOPPY'S LANDING (LONG ISLAND)  
PORTION OF SHORELINE SEGMENT W2A-10  
FAIRHAVEN, MASSACHUSETTS**

**BARGE B120 SPILL, BUZZARDS BAY, MASSACHUSETTS  
RTN 4-17786**

Prepared For:

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June 22, 2007

GeoInsight Project 3871-002

*File:3871-002/Phase IV Status 06-22-07*





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### **FIGURES**

- FIGURE 1 Site Locus  
FIGURE 2 Location of Phase IV Cleanup Activities – W2A-10

### **APPENDICES**

- APPENDIX A Copy of BWSC108  
APPENDIX B Photos of Phase IV Cleanup Activities





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**1.0 INTRODUCTION**

GeoInsight, Inc. (GeoInsight) prepared this Phase IV Remedy Implementation Status Report for Hoppy's Landing in Fairhaven, Massachusetts on behalf of Bouchard Transportation Company, Inc. (Bouchard). Response actions are being conducted under the Massachusetts Contingency Plan (MCP), 310 CMR 40.0000, associated with a release of No. 6 fuel oil from Bouchard Barge #120 (B120) that occurred on April 27, 2003 in Buzzards Bay, Massachusetts (the "Site"). This report was prepared under the direction of Richard J. Wozmak, P.E., P.H. of EnviroLogic, LLC, the Licensed Site Professional (LSP)-of-record for this release.

On August 3, 2006, a Phase III Remedial Action Plan (RAP) was prepared for Hoppy's Landing (part of segment W2A-10-Long Island Causeway South in Fairhaven) and Leisure Shores Beach (part of segment W1F-02-Brandt Island West in Mattapoisett) to address limited residual oil. The RAP identified limited excavation of residual oil on sediment and pressure washing of residual oil on rocks as the preferred remedial alternative for Hoppy's Landing. On November 29, 2006, a Phase IV Remedy Implementation Plan (RIP) was prepared for Hoppy's Landing that outlined the procedures and methods for this remedial alternative including removal methods, waste management procedures, methods for mitigating environmental impact, remedial action monitoring, and remedial action schedule.

Remedy implementation started on December 4, 2006 and was completed on March 1, 2007. Post-cleanup inspections were conducted after March 1, 2007. This Phase IV RIP Status Report describes activities that occurred between December 4, 2006 and May 4, 2007. A copy of



Bureau of Waste Site (BWSC) Transmittal Form 108 is included in Appendix A. Refer to Figure 1 for the location of Hoppy's Landing.





## 2.0 BACKGROUND

On or about April 27, 2003, an unknown volume (estimated to range between 22,000 gallons and 98,000 gallons) of No. 6 fuel oil was released from Bouchard B120 after entering the western approach of Buzzards Bay, Massachusetts. Oil from the release primarily floated on the water surface and was driven by waves, wind, and tides, ultimately stranding in the intertidal zone along the Buzzards Bay shoreline. The heaviest oiling occurred on exposed, southwest facing shorelines, such as Barney's Joy and West Island.

The shoreline was initially divided into 149 shoreline segments. Of those 149 segments, 29 segments were found to be unoiled and not part of the Site. The Site was, therefore, considered to be the 120 shoreline segments that were oiled to varying degrees by the release and the subtidal area of Buzzards Bay. A Phase I Initial Site Investigation (ISI) and Conceptual Site Model (CSM) report, Tier Classification, and Conceptual Phase II Scope of Work (SOW) were filed for the Site on May 3, 2004. On May 21, 2004, a Partial Class A-2 Response Action Outcome (RAO) statement was filed for 57 out of the 120 shoreline segments. These 57 shoreline segments were those segments where the maximum degree of initial oiling was characterized as "light" or "very light," as well as three remediated sandy beach segments where the maximum degree of initial oiling was characterized as "moderate."

A Tier IA Permit was issued by MADEP as part of a July 27, 2004 Decision to Grant Permit letter. A Phase II Comprehensive Site Assessment (CSA) SOW and Updated CSM were submitted to MADEP on August 24, 2005. MADEP approved portions of the proposed Phase II CSA SOW and requested additional information (primarily regarding the proposed ecological risk characterization) in a letter dated January 18, 2006. Additional information was provided to MADEP in a letter dated March 31, 2006, and MADEP issued final approval of the Phase II CSA SOW in a letter dated June 27, 2006.

A Phase II CSA was completed in August 2006 to characterize the remaining 63 shoreline segments and the subtidal zone in Buzzards Bay. The Phase II CSA included a Method 3 Risk



Characterization (Method 3) that concluded that a condition of No Significant Risk to human health, public welfare, safety, and the environment was present at 61 of the remaining 63 shoreline segments and the subtidal zone in Buzzards Bay. A Partial Class A-2 RAO was submitted for these 61 segments and the subtidal zone in August 2006. At the remaining two shoreline segments (segment W2A-10 – Long Island and Causeway North and segment W1F-02 – Brandt Island West), the Method 3 concluded that a condition of No Significant Risk exists for human health and safety. However, localized residual oil was present at portions of these two segments (Hoppy's Landing in Fairhaven and Leisure Shores Beach in Mattapoisett) and a condition of No Significant Risk to public welfare and/or the environment could not be concluded at that time. As previously indicated, a Phase III RAP identified the preferred remedial alternatives at these locations, and a Phase IV RIP was completed for Hoppy's Landing. Additional characterization activities will be conducted at Leisure Shores Beach prior to evaluating potential Phase IV activities. Further information regarding Leisure Shores Beach will be submitted under separate cover.



### 3.0 REMEDY IMPLEMENTATION PLAN SUMMARY

Hoppy's Landing is primarily a sandy gravel, cobble, and boulder beach with fringing marshes. Residual oil at the southern tip of Hoppy's Landing was present primarily in three general locations (shown on Figure 2) and consisted primarily of splatter, small areas of pavement, and limited tar mats that were weathered and hardened on the outer surface. The pavement patches and tar mats were generally 1 to 2 inches in diameter located on the surface of some of the fringing marshes. A few isolated larger pavement patches (i.e., up to 24 inches in diameter) were present surrounding cobbles in the middle and upper intertidal zone. The small amount of residual splatter was present on rock surfaces and was typically less than one inch in diameter. Oil was also encountered beneath cobbles in a few highly localized areas. Although the exposed surface of the residual oil was weathered and hard, some of the interiors were tacky below the weathered layer. Small sheens, generally less than six inches in diameter, were also observed on the water surface in some tide pools adjacent to locations where pavement was present.

The overall objective of the remedial action at Hoppy's Landing was to remove residual oil to reach a condition of No Significant Risk to public welfare and the environment. Specifically, the objective was to remove the majority of exposed residual oil such that: 1) people who visit this area would not come in contact to a substantial degree with oil that could smear on skin and clothing, 2) wildlife direct contact with exposed residual oil was substantially reduced, and 3) the potential for persistent sheens was eliminated. To achieve this objective, the Phase IV RIP proposed using hand tools to excavate residual pavement in oil-impacted portions of the fringing marsh and remove residual splatter from rocks using hand tools or pressure washing equipment.





## 4.0 PHASE IV STATUS

### 4.1 CLEANUP ACTIVITIES

GeoInsight and Trident Environmental Group, LLC (Trident) conducted cleanup activities at the southern portion of Hoppy's Landing on the following dates:

- December 4 through December 8, 2006;
- December 14 through December 22, 2006, and
- February 26 through March 1, 2007.

Prior to initiating cleanup in a particular area, inspection teams marked areas with residual oiling using temporary flags. The cleanup activities consisted primarily of excavating residual pavement from oil-impacted portions of the intertidal zone, including areas of rocky shoreline and fringing marsh. Small, isolated areas of pavement were manually excavated by using hand tools (e.g., gardening trowels), while larger, more continuous areas of pavement were gently scraped off of the marsh surface with lawn rakes.

Rocks with residual oil splatter were either cleaned in-place using hand tools (e.g., wire brushes) or transported in a wheel barrow to a localized containment area to remove the splatter with a pressure washer. Metal grates and plastic pallets were used to elevate oiled cobbles above the ground surface during power washing activities, allowing for drainage of the water and residual oil away from the cleaned cobbles. The ground surface within the containment area was lined with polyethylene sheeting and oil absorbent fabric, and the perimeter of the containment area was surrounded with polyethylene sheeting and oil absorbent boom to prevent oil flecks and any liquid oil or sheen from migrating outside the containment area.

Absorbent pads were used to remove soft oil from rock surfaces and to absorb sheen produced when residual oil and/or oiled sediment was disturbed during cleanup activities. Absorbent booms were installed along the perimeter of the cleanup area to prevent migration of residual oil





that was mobilized by cleanup activities. Photographs of the cleanup operation are attached as Appendix B.

The residual oil was primarily present in three general areas of Hoppy's Landing. These three areas, identified during inspections conducted as part of the Phase IV activities, were the primary focus of the cleanup operations. Refer to Figure 2 for approximate locations of Phase IV cleanup activities. A few patches of residual oil (pavement and splatter) were identified and removed from locations outside the focus area boundaries; however, the patches were generally small (up to approximately one inch in diameter) and isolated.

Small, discontinuous patches of pavement (approximately one to two inches in diameter and up to a half inch thick) were present on the surface of the fringing marsh sediment primarily within focus area boundaries. The pavement was highly weathered, was not tacky, and did not come off to the touch. A few tarmats and larger areas of pavement (up to approximately 24 inches in diameter and 1 to 3 inches deep) were observed adjacent to cobbles located within the middle and upper intertidal zones. The tarmats and large areas of pavement were generally weathered on the surface and tacky or slightly viscous at depth. In addition, up to three inches of oiled sediment was observed beneath pavement within the intertidal zone. These oiled patches were removed. Oiled sediment was excavated to the depth of visually unimpacted sediment.

Residual slightly viscous oil was observed under cobbles located along the east and west sides of the southernmost tip of Hoppy's Landing (within the boundary of the southern focus area). The oil was up to a half inch thick and generally confined to the area directly beneath the cobbles (i.e., within the cobble "footprints"). Residually oiled sediment was excavated from beneath the impacted cobbles and absorbent material was used to wipe the residual oil from the cobble surfaces.

Sporadic, isolated areas of weathered oil splatter were observed on cobbles located primarily within the northern and southern focus areas. The splatter was generally less than one inch in diameter and was not tacky to the touch. A few isolated patches of splatter, located near the



southern tip of Hoppy's Landing, were soft and tacky. Rocks with residual oil splatter were either cleaned in-place using hand tools or transported to the pressure washing containment area to remove the splatter with a pressure washer. After the rocks were pressure washed, they were returned to the approximate original locations.

Small sheens, generally less than one inch in diameter, were present on the water surface in tide pools adjacent to locations where pavement, tarmats, and residual liquid oil were present. As remedial activities progressed and oil-impacted material was disturbed, a temporary increase in the magnitude and frequency of sheen was observed and small (up to approximately one inch in diameter) oil particles were observed on the water surface. Concentrated areas of sheen and oil particles were removed with absorbent pads.

#### **4.2 SHORELINE INSPECTIONS**

The LSP and field personnel from GeoInsight were present to oversee and supervise the Phase IV field activities. Periodic visual monitoring of the cleanup areas was conducted to evaluate the removal effectiveness during the cleanup operations and to identify areas of additional cleanup as conditions progressed during the Phase IV cleanup activities. Post-cleanup inspections were conducted on April 27, 2007 and May 4, 2007. The shoreline appeared to be mostly clean (i.e., residual oil and persistent sheen were not observed), particularly in the areas where Phase IV cleanup operations occurred. A small amount (less than five gallons) of oil-impacted sediment and cobbles were found and removed by the inspection team. Small (less than one inch diameter) weathered oil splatter present in very limited areas on rock or marsh surfaces were left to weather in-place. Additional shoreline inspections will be conducted during the summer of 2007. Refer to Section 4.5 for further information regarding the upcoming inspections.

#### **4.3 REMEDIATION WASTE**

Remediation waste generated during this Phase IV status period consisted of residual pavement, oiled rocks, oiled sediment, oil absorbent material, and personal protective equipment used by





the cleanup crews. The recovered remediation waste was collected in polyethylene bags that were temporarily stored on-site (along the western side of the unpaved parking area) during cleanup activities. The remediation waste also included a small amount (less than 10 gallons of oiled cobbles) that was removed from Leisure Shores by inspection teams. Information regarding the transport and disposal of the remediation waste will be included in the next status report.

#### **4.4 MONITORING SCHEDULE**

Shoreline inspections will be conducted at Hoppy's Landing to evaluate if further cleanup activities are warranted in order to achieve a condition of No Significant Risk to public welfare and the environment. The inspections will be conducted during warmer summertime months (i.e., summer 2007) when residual oil and sheens, if present, are expected to be most noticeable due to warm air, sediment, and water temperatures. Results of these inspections will be documented in a forthcoming Phase IV Status or Completion Report.





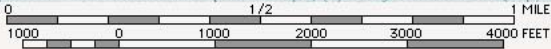
**FIGURES**





**SITE**

MN 16° TN



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SOURCE:  
USGS SCOTICUT NECK  
QUADRANGLE (1978)



PROJECT: B120 OIL SPILL BUZZARDS BAY, MASSACHUSETTS			
LOCATION: LONG ISLAND (HOPPY'S LANDING) FAIRHAVEN, MASSACHUSETTS			
TITLE:  SITE LOCUS			
DESIGNED: KDT	DRAWN: KDT	CHECKED: KDT	APPROVED: MJW
SCALE: AS SHOWN	DATE: 10/18/06	FILE NO.: 3871-LOCUS	PROJECT NO.: 3871-002

**GeoInsight®**  
Environmental Strategy & Engineering  
*Practical in Nature*

FIGURE NO.:  
|





PRIMARY AREAS OF  
PHASE IV CLEANUP  
ACTIVITIES



North

0 0.087mi

SOURCE:


MASSACHUSETTS GEOGRAPHIC  
INFORMATION SYSTEMS (MASSGIS)

2001 AERIAL PHOTOGRAPH



NORTH

PROJECT: B120 OIL SPILL BUZZARDS BAY, MASSACHUSETTS			
LOCATION: LONG ISLAND (HOPPY'S LANDING) FAIRHAVEN, MASSACHUSETTS			
TITLE: PHASE IV CLEANUP ACTIVITIES - W2A-10			
DESIGNED: KEZ	DRAWN: KDT	CHECKED: KDT	APPROVED: MJW
SCALE: AS SHOWN	DATE: 5/10/07	FILE NO.: 3871-OILING	PROJECT NO.: 3871-002



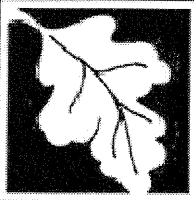
**GeoInsight**<sup>®</sup>  
Environmental Strategy & Engineering  
*Practical in Nature*

FIGURE NO.:  
**2**



**APPENDIX A**  
**Copy of BWSC108**





**COMPREHENSIVE RESPONSE ACTION TRANSMITTAL  
FORM & PHASE I COMPLETION STATEMENT**

Release Tracking Number

4 - 17786

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

**A. SITE LOCATION:**

- 1. Site Name: **B NO 120**
- 2. Street Address: **BUZZARDS BAY OIL SPILL**
- 3. City/Town: **BUZZARDS BAY**      4. ZIP Code: \_\_\_\_\_
- 5. UTM Coordinates:    a. UTM N: \_\_\_\_\_    b. UTM E: \_\_\_\_\_
- 6. Check here if a Tier Classification Submittal has been provided to DEP for this disposal site.
  - a. Tier IA     b. Tier IB     c. Tier IC     d. Tier II
- 7. If applicable, provide the Permit Number: **W050019**

**B. THIS FORM IS BEING USED TO:** (check all that apply)

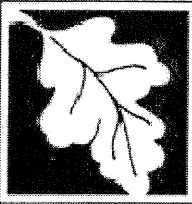
- 1. Submit a **Phase I Completion Statement**, pursuant to 310 CMR 40.0484.
- 2. Submit a **Revised Phase I Completion Statement**, pursuant to 310 CMR 40.0484.
- 3. Submit a **Phase II Scope of Work**, pursuant to 310 CMR 40.0834.
- 4. Submit an **interim Phase II Report**. This report does not satisfy the response action deadline requirements in 310 CMR 40.0500.
- 5. Submit a **final Phase II Report and Completion Statement**, pursuant to 310 CMR 40.0836.
- 6. Submit a **Revised Phase II Report and Completion Statement**, pursuant to 310 CMR 40.0836.
- 7. Submit a **Phase III Remedial Action Plan and Completion Statement**, pursuant to 310 CMR 40.0862.
- 8. Submit a **Revised Phase III Remedial Action Plan and Completion Statement**, pursuant to 310 CMR 40.0862.
- 9. Submit a **Phase IV Remedy Implementation Plan**, pursuant to 310 CMR 40.0874.
- 10. Submit a **Modified Phase IV Remedy Implementation Plan**, pursuant to 310 CMR 40.0874.
- 11. Submit an **As-Built Construction Report**, pursuant to 310 CMR 40.0875.
- 12. Submit a **Phase IV Status Report**, pursuant to 310 CMR 40.0877.
- 13. Submit a **Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.

Specify the outcome of Phase IV activities: (check one)

- a. Phase V Operation, Maintenance or Monitoring of the Comprehensive Remedial Action is necessary to achieve a Response Action Outcome.
- b. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
- c. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
- d. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.

**(All sections of this transmittal form must be filled out unless otherwise noted above)**





**COMPREHENSIVE RESPONSE ACTION TRANSMITTAL  
FORM & PHASE I COMPLETION STATEMENT**

Release Tracking Number

4 - 17786

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

**B. THIS FORM IS BEING USED TO (cont.):** (check all that apply)

- 14. Submit a **Revised Phase IV Completion Statement**, pursuant to 310 CMR 40.0878 and 40.0879.
- 15. Submit a **Phase V Status Report**, pursuant to 310 CMR 40.0892.
- 16. Submit a **Remedial Monitoring Report**. (This report can only be submitted through eDEP.)
  - a. Type of Report: (check one)  i. Initial Report  ii. Interim Report  iii. Final Report
  - b. Frequency of Submittal: (check all that apply)
    - i. A Remedial Monitoring Report(s) submitted monthly to address an Imminent Hazard.
    - ii. A Remedial Monitoring Report(s) submitted monthly to address a Condition of Substantial Release Migration.
    - iii. A Remedial Monitoring Report(s) submitted concurrent with a Status Report.
  - c. Status of Site: (check one)  i. Phase V  ii. Remedy Operation Status  iii. Class C RAO
  - d. Number of Remedial Systems and/or Monitoring Programs:

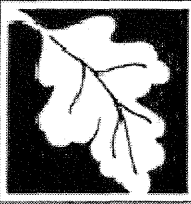
A separate BWSC108A, CRA Remedial Monitoring Report, must be filled out for each Remedial System and/or Monitoring Program addressed by this transmittal form.

- 17. Submit a **Remedy Operation Status**, pursuant to 310 CMR 40.0893.
- 18. Submit a **Status Report to maintain a Remedy Operation Status**, pursuant to 310 CMR 40.0893(2).
- 19. Submit a **Modification of a Remedy Operation Status**, pursuant to 310 CMR 40.0893(5).
- 20. Submit a **Termination of a Remedy Operation Status**, pursuant to 310 CMR 40.0893(6).
- 21. Submit a **Phase V Completion Statement**, pursuant to 310 CMR 40.0894.

Specify the outcome of Phase V activities: (check one)

- a. The requirements of a Class A Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement (BWSC104) will be submitted to DEP.
  - b. The requirements of a Class C Response Action Outcome have been met. No additional Operation, Maintenance or Monitoring is necessary to ensure the integrity of the Response Action Outcome. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
  - c. The requirements of a Class C Response Action Outcome have been met. Further Operation, Maintenance or Monitoring of the remedial action is necessary to ensure that conditions are maintained and/or that further progress is made toward a Permanent Solution. A completed Response Action Outcome Statement and Report (BWSC104) will be submitted to DEP.
- 22. Submit a **Revised Phase V Completion Statement**, pursuant to 310 CMR 40.0894.
  - 23. Submit a **Post-Class C Response Action Outcome Status Report**, pursuant to 310 CMR 40.0898.

(All sections of this transmittal form must be filled out unless otherwise noted above)



**COMPREHENSIVE RESPONSE ACTION TRANSMITTAL  
FORM & PHASE I COMPLETION STATEMENT**

Release Tracking Number

4 - 17786

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

**C. LSP SIGNATURE AND STAMP:**

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this transmittal form, including any and all documents accompanying this submittal. In my professional opinion and judgment based upon application of (i) the standard of care in 309 CMR 4.02(1), (ii) the applicable provisions of 309 CMR 4.02(2) and (3), and 309 CMR 4.03(2), and (iii) the provisions of 309 CMR 4.03(3), to the best of my knowledge, information and belief,

> if Section B indicates that a **Phase I, Phase II, Phase III, Phase IV or Phase V Completion Statement** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed and implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B indicates that a **Phase II Scope of Work or a Phase IV Remedy Implementation Plan** is being submitted, the response action(s) that is (are) the subject of this submittal (i) has (have) been developed in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal;

> if Section B indicates that an **As-Built Construction Report, a Remedy Operation Status, a Phase IV, Phase V or Post-Class C RAO Status Report, a Status Report to Maintain a Remedy Operation Status and/or a Remedial Monitoring Report** is being submitted, the response action(s) that is (are) the subject of this submittal (i) is (are) being implemented in accordance with the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, (ii) is (are) appropriate and reasonable to accomplish the purposes of such response action(s) as set forth in the applicable provisions of M.G.L. c. 21E and 310 CMR 40.0000, and (iii) comply(ies) with the identified provisions of all orders, permits, and approvals identified in this submittal.

I am aware that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, inaccurate or materially incomplete.

1. LSP #: 5463

2. First Name: RICHARD J

3. Last Name: WOZMAK

4. Telephone: 6034212777

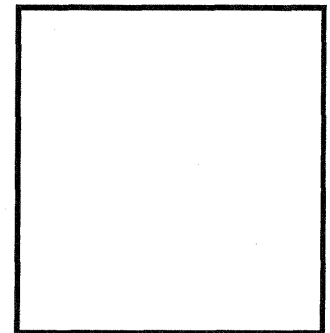
5. Ext.:

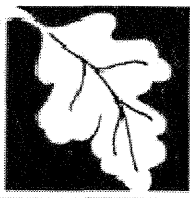
6. FAX:

7. Signature:

8. Date: (mm/dd/yyyy)

9. LSP Stamp:





COMPREHENSIVE RESPONSE ACTION TRANSMITTAL  
FORM & PHASE I COMPLETION STATEMENT

Release Tracking Number

4 - 17786

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

D. PERSON UNDERTAKING RESPONSE ACTIONS:

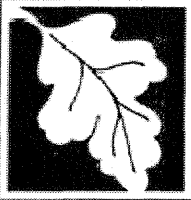
1. Check all that apply:  a. change in contact name  b. change of address  c. change in the person undertaking response actions
2. Name of Organization: **BOUCHARD TRANSPORTATION**
3. Contact First Name: **W LAWRENCE** 4. Last Name: **LOPEZ**
5. Street: **58 SOUTH SERVICE RD NO 150** 6. Title: \_\_\_\_\_
7. City/Town: **MELVILLE** 8. State: **NY** 9. ZIP Code: **11747-0000**
10. Telephone: **6313904980** 11. Ext.: \_\_\_\_\_ 12. FAX: \_\_\_\_\_

E. RELATIONSHIP TO SITE OF PERSON UNDERTAKING RESPONSE ACTIONS:

1. RP or PRP  a. Owner  b. Operator  c. Generator  d. Transporter  
 e. Other RP or PRP Specify: \_\_\_\_\_
2. Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)
3. Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))
4. Any Other Person Undertaking Response Actions Specify Relationship: \_\_\_\_\_

F. REQUIRED ATTACHMENT AND SUBMITTALS:

1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.
2. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the submittal of any Phase Reports to DEP.
3. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase III Remedial Action Plan.
4. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of the availability of a Phase IV Remedy Implementation Plan.
5. Check here to certify that the Chief Municipal Officer and the Local Board of Health have been notified of any field work involving the implementation of a Phase IV Remedial Action.
6. If submitting a Modification of a Remedy Operation Status, check here to certify that a statement detailing the compliance history, as per 310 CMR 40.0893(5), for the person making this submittal is attached.
7. If submitting a Modification of a Remedy Operation Status, check here to certify that written consent of the person who submitted the Remedy Operation Status submittal, as per 310 CMR 40.0893(5), is attached.
8. Check here if any non-updatable information provided on this form is incorrect, e.g. Site Name. Send corrections to the DEP Regional Office.
9. Check here to certify that the LSP Opinion containing the material facts, data, and other information is attached.



**COMPREHENSIVE RESPONSE ACTION TRANSMITTAL  
FORM & PHASE I COMPLETION STATEMENT**

Release Tracking Number

4 - 17786

Pursuant to 310 CMR 40.0484 (Subpart D) and 40.0800 (Subpart H)

**G. CERTIFICATION OF PERSON UNDERTAKING RESPONSE ACTIONS:**

1. I, **RICK WOZMAK**, attest under the pains and penalties of perjury (i) that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this transmittal form, (ii) that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in this submittal is, to the best of my knowledge and belief, true, accurate and complete, and (iii) that I am fully authorized to make this attestation on behalf of the entity legally responsible for this submittal. I/the person or entity on whose behalf this submittal is made am/is aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

2. By: \_\_\_\_\_ 3. Title: \_\_\_\_\_  
Signature

4. For: **BOUCHARD TRANSPORTATION** 5. Date: \_\_\_\_\_  
(Name of person or entity recorded in Section D) (mm/dd/yyyy)

6. Check here if the address of the person providing certification is different from address recorded in Section D.

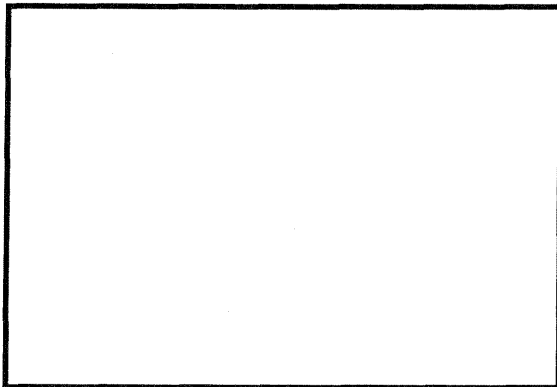
7. Street: \_\_\_\_\_

8. City/Town: \_\_\_\_\_ 9. State: \_\_\_\_\_ 10. ZIP Code: \_\_\_\_\_

11. Telephone: \_\_\_\_\_ 12. Ext.: \_\_\_\_\_ 13. FAX: \_\_\_\_\_

**YOU ARE SUBJECT TO AN ANNUAL COMPLIANCE ASSURANCE FEE OF UP TO \$10,000 PER BILLABLE YEAR FOR THIS DISPOSAL SITE. YOU MUST LEGIBLY COMPLETE ALL RELEVANT SECTIONS OF THIS FORM OR DEP MAY RETURN THE DOCUMENT AS INCOMPLETE. IF YOU SUBMIT AN INCOMPLETE FORM, YOU MAY BE PENALIZED FOR MISSING A REQUIRED DEADLINE.**

Date Stamp (DEP USE ONLY:)



**Supplement to BWSC108, Section F**  
Barge B120 Release  
Buzzards Bay, Massachusetts  
4-17786

**Section F – Required Attachments and Submittals**

1. Check here if the Response Action(s) on which this opinion is based, if any, are (were) subject to any order(s), permit(s) and/or approval(s) issued by DEP or EPA. If the box is checked, you MUST attach a statement identifying the applicable provisions thereof.

Massachusetts Department of Environmental Protection Orders, Permits, and/or Approvals:

- September 8, 2003 Request for IRA with Interim Deadlines;
- July 27, 2004 Decision to Grant Permit;
- January 18, 2006 Phase II Scope of Work Conditional Approval/Interim Deadline;
- June 27, 2006 Phase II SOW Addendum Approval; and
- October 19, 2006 Phase II - Comprehensive Site Assessment Report and Phase III - Remedial Action Plan Approval.

**Kevin D. Trainer**

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**From:** eDEP-Confirmation@state.ma.us  
**Sent:** Friday, June 22, 2007 11:35 AM  
**Subject:** Email confirmation from eDEP Transaction 134015

Thank you for using eDEP Online Filing from the Massachusetts Department of Environmental Protection. Your transaction is complete and has been submitted to MassDEP.

This email is your receipt for the eDEP Online Filing transaction described below. Please review it and keep a copy for your records.

Please do NOT reply to this message, this email address will not receive messages. For assistance with eDEP Online Filing, please email the DEP Help Desk at DEP.HELP@state.ma.us or call 617-556-1100.

MassDEP is interested in how we can serve you better. To help us make improvements to eDEP, please take a minute to complete our eDEP Online Filing Survey at <http://www.mass.gov/dep/service/compliance/edepsurv.htm>.

To contact MassDEP Programs, please see <http://mass.gov/dep/about/contacts.htm>.

\*\*\*\*\*  
DEP Transaction ID: 134015

Date and Time Submitted: 6/22/2007 11:19:10 AM  
\*\*\*\*\*  
Form Name: BWSC 108 CRA Transmittal Form & Phase I CS

RTN: 4-17786  
Location: B NO 120  
Address: BUZZARDS BAY OIL SPILL  
BUZZARDS BAY

Person Making Submittal  
BOUCHARD TRANSPORTATION  
W LAWRENCE  
LOPEZ  
58 SOUTH SERVICE RD NO 150  
MELVILLE  
NY  
117470000  
LSP  
LSP #: 5463  
LSP Name: RICHARD J  
WOZMAK

Person Making Certification  
BOUCHARD TRANSPORTATION  
RICHARD J WOZMAK  
BOUCHARD TRANSPORTATION  
RICHARD J WOZMAK

Ancillary Document Uploaded/Mailed :  
BWSC-108 Ques.B12 - Phase IV Status Report - By Mail  
BWSC-108 Ques.F1 - Statement of Provisions - By Mail

\*\*\*\*\*

EMAIL ID OF THE USER: kdtrainer@geoinc.com  
\*\*\*\*\*

EMAIL ID OF THE OTHER USERS: rwozmak@envirologicllc.com

\*\*\*\*\*



**APPENDIX B**  
**Photos of Phase IV Cleanup Activities**





**PHASE IV CLEANUP ACTIVITIES – HOPPY’S LANDING  
DECEMBER 2006 – FEBRUARY 2007  
B120 RELEASE  
BUZZARDS BAY, MASSACHUSETTS**



1. Flags marking areas of residual oil.



2. Removing residual oil from the fringing marsh along the western shore of Hoppy’s Landing.

**PHASE IV CLEANUP ACTIVITIES – HOPPY’S LANDING  
DECEMBER 2006 – FEBRUARY 2007  
B120 RELEASE  
BUZZARDS BAY, MASSACHUSETTS**



3. Pavement observed adjacent to cobbles in the upper intertidal zone.



4. Liquid oil particles (floating on water surface) and sheen observed under a rock near the southern tip of Hoppy’s Landing.



**PHASE IV CLEANUP ACTIVITIES – HOPPY’S LANDING  
DECEMBER 2006 – FEBRUARY 2007  
B120 RELEASE  
BUZZARDS BAY, MASSACHUSETTS**



5. View of pressure washing containment area.



6. Oiled cobbles in the pressure washing containment area.

**PHASE IV CLEANUP ACTIVITIES – HOPPY’S LANDING  
DECEMBER 2006 – FEBRUARY 2007  
B120 RELEASE  
BUZZARDS BAY, MASSACHUSETTS**



7. Oil absorbent boom installed along perimeter of the cleanup area.



8. Remediation waste temporarily stored on-site in polyethylene bags.