



# Spill Response Summary

## **SPILL LOCATION**

Bill Lawrence Property  
259 US Route 2  
South Hero, VT 05486

Spill # 2013-WMD-018  
VDEC Contact: Mr. Matt Moran

44° 38' 43.86" N, 73° 17' 42.09" W

## **Prepared For**

Mr. Bill Lawrence  
259 US Route 2  
South Hero, VT 05486

## **Prepared By**

Chris Ingram, *Environmental Scientist*  
Environmental Products and Services of Vermont  
273 Commerce Street  
Williston, VT 05495

February 21, 2013

**Introduction**

Environmental Products and Services of Vermont, Inc. (EPSVT) is pleased to present this Spill Response Summary detailing response activities relative to the release of approximately 200 gallons of kerosene from one 275-gallon Aboveground Storage Tank (AST). The AST was located outside on the southwest side of the home at the Bill Lawrence property, located at 259 US Route 2, South Hero, VT, hereby referred to as ‘the Site’ (**Figure 1**). The Lawrence property is a small farm and residence located in a rural agricultural area along US Route 2. The Lawrence residence is a mobile home mounted on a 4” thick concrete slab. On or before January 14, 2013, Mr. Lawrence noticed fuel oil vapors outside his residence. Upon further inspection he observed pooled oil in the lawn on the west side of his home. He then discovered a pin-hole in the bottom of the AST which caused the release. He contacted Rowley Fuels (Rowley) of Milton, VT to install a new AST to continue to provide heat for his home. Mr. Lawrence then retained EPSVT to complete emergency spill response actions and begin fuel oil cleanup. See **Figure 2** for a detailed map of the Site. **Appendix A** includes select photographs taken during spill response and cleanup activities and waste disposal documentation is presented as **Appendix B**.

The following attachments are included for your reference:

**Figure 1** ..... General Location Map;  
**Figure 2** ..... Site Sketch;  
**Appendix A** ..... Site Photographs;  
**Appendix B** ..... Waste Disposal Documentation;  
**Appendix C** ..... Cost Estimate

**Spill Response Activities**

On or before January 14, 2013, Mr. Lawrence noted an odor of fuel oil outside his home. Upon closer examination he discovered a small hole in the bottom of his outdoor AST which caused the release of approximately 200 gallons of kerosene to the lawn area on the west side of the property. Mr. Lawrence contacted Rowley to install a new 275-gallon AST in place of the compromised AST. Rowley installed the new AST on the concrete pad that held the former AST. Mr. Lawrence then retained EPSVT to perform emergency spill response and cleanup activities.

EPSVT arrived at the Site on January 14<sup>th</sup> to assess the nature and extent of released kerosene at the Lawrence property. Stained grass and pockets of water and free product were noted on the west side of the home. Oil was able to flow across the lawn areas and into a nearby wetland and brook. Free product was also noted in standing water surrounding the mobile home. Recent snowmelt and rainfall increased the mobility of released kerosene and raised the shallow water table to the ground surface. Oil was able to travel underneath the slab to the east side of the home. EPSVT deployed absorbents to recover product throughout the impacted area including the lawn, around the home, and in the wetland and brook; absorbents were drummed and replaced as needed; a total of approximately 5 gallons of oil was recovered in this manner. Oil was found throughout the wetland approximately 230 feet from the source. A photoionization detector (PID) was utilized to assess vapor phase impacts inside the Lawrence home; a reading of 0.3 parts per million (ppm) was recorded. EPSVT covered the affected lawn area with plastic sheeting to prevent further contaminant migration. EPSVT would return at a later day to perform contaminated soil removal.

EPSVT performed a site check on January 15<sup>th</sup>, at which time saturated absorbents were recovered, drummed and replaced; a total of approximately 35 gallons of kerosene was collected in this manner. EPSVT followed the brook for approximately 1,550 feet from the origin of the release to Lake Champlain. See **Figure 2** for a detailed illustration of the wetland and brook; the wetland runs east to west on the north end of the property and flows to the west. It travels for approximately 240



feet where it takes a right angle and joins a small brook. The brook heads north for approximately 210 feet at which point it goes underneath US Route 2. This drainage then moves approximately 1,330 feet north where it discharges into Lake Champlain. No impacts to the lake were noted at that time. A PID assay revealed 0.5 ppm in the main house and 0.7 ppm in the bedroom. With the aid of an excavator, two test pits were dug to assess the potential for groundwater contamination below the Lawrence residence. Free product was noted in both test pits at that time and absorbent booms were deployed to recover any oil that may enter the test pits overnight.

On January 16<sup>th</sup>, EPSVT returned to the Site to continue remedial actions. Saturated booms from the lawn, wetland, and around the home were drummed and replaced; a total of approximately 30 gallons of oil was recovered. Contaminated soil removal began on the north end of the property near the wetland. Soils were removed to a depth of approximately 4"-6" and bermed up to create a collection point to treat flowing water through absorbents before it entered the wetland. The excavation continued in the source area near the former AST on the southwest side of the residence. Soils were removed to a depth of approximately 1' below grade in the source area. The excavation proceeded to the north; depths ranged from 4"-6" below grade. Soils encountered were dense, saturated clay loams. Groundwater was encountered 1"-2" below grade.

EPSVT continued excavation activities on January 17<sup>th</sup>. Saturated booms were recovered, drummed, and replaced. A total of approximately 3 gallons of kerosene was collected in this way. A silt fence was installed at the north end of the excavation adjacent to the wetland to retard the flow of water and prevent erosion. All contaminated soils were stockpiled on plastic sheeting awaiting proper disposal. The final dimensions of the excavation measured approximately 200 feet long by 50 feet wide by 4"-6" deep and 1 foot deep in the source area. A total of 10.89 tons of petroleum contaminated soil (PCS) was transported to Environmental Soils Management Companies, Inc. (ESMI) in Loudon, NH for disposal via thermal desorption. Following the completion of soil removal, EPSVT began backfilling the impacted area with clean sand, which was compacted and brought to grade.

Contaminated soil disposal continued on January 18<sup>th</sup> when a total of 60.26 tons of PCS was shipped to ESMI for disposal. EPSVT continued site restoration activities by backfilling the impacted area. All deployed absorbents in the excavation were recovered and drummed for disposal, but were not replaced. A total of approximately 2 gallons of product was collected in these absorbents.

EPSVT returned to the Lawrence property on January 21<sup>st</sup> to complete PCS disposal. A total of 19.54 tons of PCS was shipped to ESMI for disposal. Absorbents in the wetland and around the house were inspected and were flipped as needed. No free product was noted anywhere at the Site at that time.

On January 25<sup>th</sup>, a total of seven 55-gallon steel drums of kerosene contaminated absorbents was transported to our Syracuse, NY facility for disposal via recycling. EPSVT performed a site visit on February 1<sup>st</sup> at which time no free product was observed anywhere at Lawrence property.

### **Sensitive Receptor Survey**

EPSVT conducted a sensitive receptor survey within a ½ mile radius of the Lawrence property utilizing the Vermont Agency of Natural Resources (VANR) Geographical Information System (GIS) Internet Mapping website (<http://www.anr.state.vt.us/site/html/maps.htm>), on-site observations, and other resources to identify and assess potential nearby receptors. Identified potential receptors include nearby public and private drinking water supply wells, fresh water rivers, streams, lakes and ponds, wetlands, registered underground storage tanks (USTs), hazardous waste sites, hazardous waste generators, Brownfields sites, bedrock and soils beneath the Site.

A total of seven private drinking water supply wells were identified by the Vermont Water Supply Division within ½ mile of the Site. The nearest well is located approximately 355 feet north of the release. The well has a reported total depth of 521 feet, is cased to 57 feet with an overburden thickness of 33 feet and yields ½ gallon per minute. A total of one public surface water was found within ½ mile of the Site; the boundary of the Lake Champlain intake lies 375 feet to the northwest of the release.

A total of thirty-three fresh water bodies were found within ½ mile of the Site; the nearest, an unnamed stream, is located approximately 115 feet west of the release. A total of twelve Class II wetlands were found during the search; the nearest is a 0.3 acre parcel and is located approximately 175 feet east of the Lawrence home.

One registered Underground Storage Tank was found within ½ mile of the Site; it is located approximately 2,575 feet to the west on Main Street and belongs to Branch's Store. No Hazardous Waste Site Generators were identified within the search radius. A total of three Hazardous Waste Sites were found during the search; the nearest, Allen's Garage is located approximately 1,565 feet west of the Lawrence property and is listed as a closed site as of 01/01/1996. No Brownfields sites were found during the search.

## **Conclusions**

Based on the collected and assimilated data, the following conclusions are made:

- Approximately 200 gallons of kerosene was released at the Lawrence property;
- Oil was able to infiltrate soils and groundwater surrounding the Lawrence home;
- A nearby wetland and brook have been impacted;
- A total of 90.69 tons of contaminated soils was removed and transported for disposal at ESMI in Loudon, NH;
- Approximately 75 gallons of kerosene were recovered with absorbents;
- The excavated area was backfilled with clean sand;
- A total of seven drums of waste have been transported to our Syracuse, NY facility for recycling.

## **Recommendations**

The following recommendations are made:

- In the spring of 2013, EPSVT will perform a site check(s) at the Lawrence property and recommend further remedial actions warranted, if any;
- EPSVT will perform site restoration activities to the affected lawn area;
- EPSVT will prepare a Site Summary/Closure Letter once all work has been completed.

Please see **Appendix C** for a cost estimate of recommended work.

Please feel free to contact me or Jake Peirce at (802) 862-1212 or email me at [cingram@epssofvermont.com](mailto:cingram@epssofvermont.com) with any questions or comments.



Regards,  
**Environmental Products and Services of Vermont, Inc.**



Chris Ingram  
*Environmental Scientist*

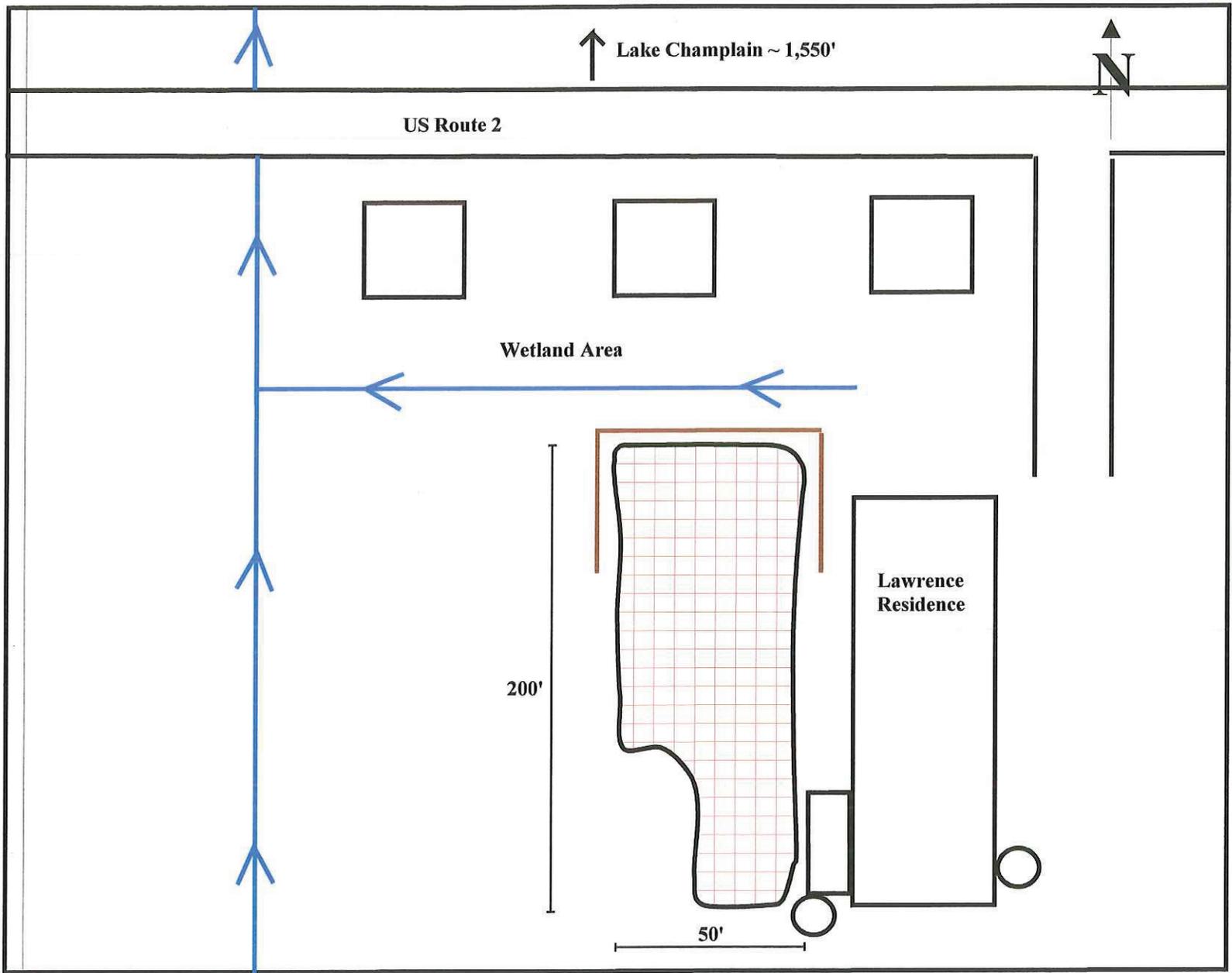
Enclosures

Cc: Mr. Matt Moran, (VDEC), electronically  
Ms. Jonna Clayton, Cooperative Insurance

**FIGURE 1**  
General Location Map



Bill Lawrence Property  
259 US Route 2  
South Hero, Vermont 05486



Legend	
	Location of Former AST (and new AST)
	Excavation
	Test Pit
	Brook
	Silt Fence



**Scale**  
Not to Scale

**Site Description**  
Bill Lawrence Property  
259 US Route 2  
South Hero, VT 05486

**Project #** v3039

**Date** 2/2013

**Map Title** Figure 2: Site Map

# Appendix A

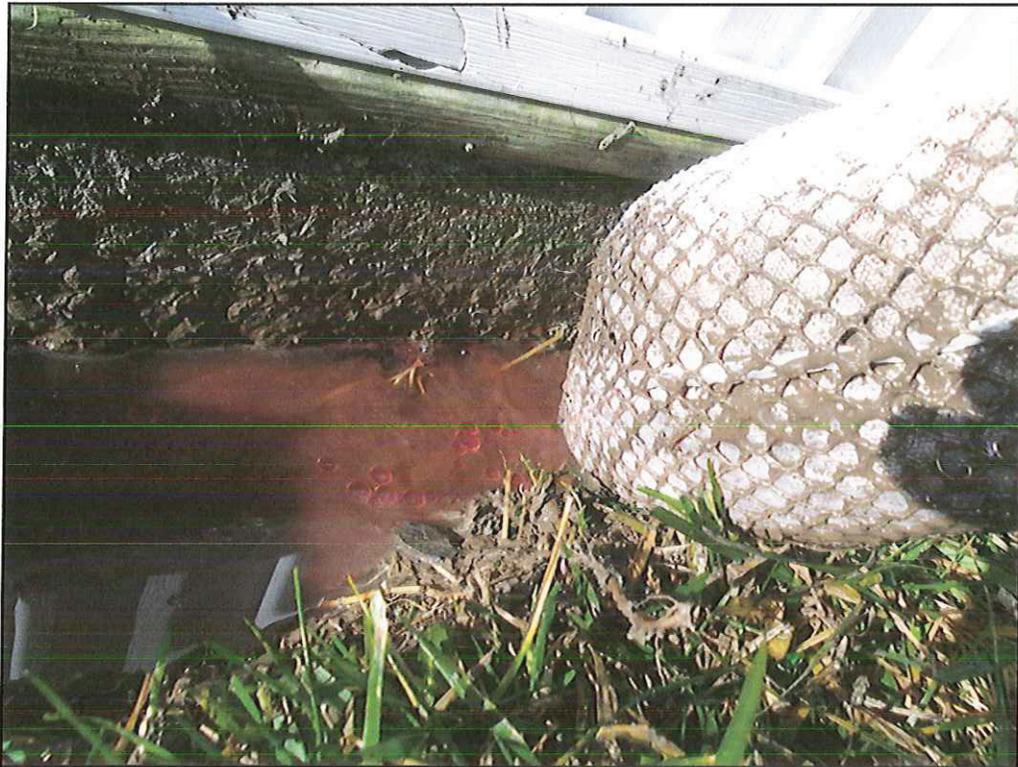
## Site Photographs



**Photo 1: Kerosene release area (note new AST).**



**Photo 2: Free product in lawn areas.**



**Photo 3: Migration of kerosene under slab to the east side of home.**



**Photo 4: Emulsified product in wetland.**



**Photo 5: Product recovery in wetland.**



**Photo 6: Impacted area along west side of home (view looking north).**



**Photo 7: Contaminated soil excavation.**



**Photo 8: Installation of silt fence and collection point (view looking east).**



**Photo 9: Backfill to impacted area.**



**Photo 10: Temporary site restoration.**

# Appendix B

## Waste Disposal Documentation



print or type

<b>BILL OF LADING</b>		HHW		1. Document No. <b>BURBIS</b>	2. Page 1 of 1
3. Generator's Name and Mailing Address <b>Bill Lawrence 259 RT 2 Stonewall VT</b>				Site Address	
4. Generator's Phone <b>(802) 372-6657</b>				A. State Transporter's ID <b>22D52 VT</b>	
5. Transporter 1 Company Name <b>Environmental Products of VT, Inc</b>				B. Transporter 1 Phone <b>(802) 862-1212</b>	
7. Transporter 2 Company Name				C. State Transporter's ID	
9. Designated Facility Name and Site Address <b>ESME 67108 International Drive HM Loudon, NH</b>				D. Transporter 2 Phone	
				E. State Facility's ID	
				F. Facility's Phone <b>603-783-0228</b>	
11. Shipping Name		12. Containers	13. Total Quantity	14. Unit Wt./Vol.	
a. <b>NON RCRA, NON DOT Solids <sup>HE</sup> N.O.S. (Kerosene contaminated soil)</b>		No. <b>1</b>	Type <b>DT</b>	Total Quantity <b>15</b>	Unit Wt./Vol. <b>T</b>
b.					
c.					
d.					
G. Additional Descriptions for Materials Listed Above <b>cl. APP #: NO APP # REQUIRED, HHW KEROSENE CONT. SOIL</b>					
15. Special Handling Instructions and Additional Information <b>1) JOB #: V3039, PO #: 9513V</b>					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.					
Printed/Typed Name <b>Jake Penze</b>				Signature <i>[Signature]</i> (on behalf of Rick Cote)	Date <b>1/17/13</b>
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>[Signature]</i>	Date <b>1/17/13</b>
Printed/Typed Name <b>Kelly Roscoe</b>				Signature	Date
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature	Date
Printed/Typed Name				Signature	Date
19. Discrepancy Indication Space <b>10.89 tons</b>					
20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.				Date	
Printed/Typed Name <b>ESME / Angela Cagne</b>				Signature <i>[Signature]</i>	Date <b>01/18/13</b>

GENERATOR

BILL OF LADING

TRANSPORTER

FACILITY



24-Hour Emergency Phone Number  
1-800-843-8265

Print or type

**BILL OF LADING**

HHW

1. Document No.  
BUR3511

2. Page 1  
of 1

3. Generator's Name and Mailing Address

BILL LAWRENCE  
259 US ROUTE 2  
SOUTH HERO VT 05486

Site Address  
SAME

4. Generator's Phone ( 802 ) 372-6072

5. Transporter 1 Company Name  
ESMI

6.

A. State Transporter's ID 55AGC VT

B. Transporter 1 Phone 603 783-0228

7. Transporter 2 Company Name

8.

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address  
ESMI OF NEW HAMPSHIRE  
67 INTERNATIONAL DRIVE  
LOUDON NH 12828

HM

10.

E. State Facility's ID

F. Facility's Phone  
603 783-0228

11. Shipping Name

12. Containers  
No. Type

13.  
Total  
Quantity

14.  
Unit  
WT/Vol.

a. Non-RCRA, Non-DOT SOLIDS, N.O.S. (Petroleum Contaminated Soils)

1

DT

20

T

b.

c.

d.

G. Additional Descriptions for Materials Listed Above

a. APP #: ESMI JOB # , KEROSENE OIL CONT. SOILS, c.  
HHW

b. d.

15. Special Handling Instructions and Additional Information

1) JOB#: V3039 PO#: 9513V

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name	Signature	Date
CHRIS INGRAM (on behalf of Bill Lawrence)	<i>[Signature]</i>	1   18   13

17. Transporter 1 Acknowledgement of Receipt of Materials	Date	
Printed/Typed Name	Signature	Month Day Year
DANA COLLINS	<i>[Signature]</i>	1   18   13

18. Transporter 2 Acknowledgement of Receipt of Materials	Date	
Printed/Typed Name	Signature	Month Day Year

19. Discrepancy Indication Space

16.44 tons

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.	Date	
Printed/Typed Name	Signature	Month Day Year
Stu Arpaia	<i>[Signature]</i>	01   18   13

GENERATOR

BILL OF LADING

TRANSPORTER

FACILITY



Please print or type

# BILL OF LADING

HHW

1. Document No.  
BUR3514

2. Page 1  
of 1

3. Generator's Name and Mailing Address  
BILL LAWRENCE  
259 US ROUTE 2  
SOUTH HERO VT 05486

Site Address  
SAME

4. Generator's Phone ( 802 ) 372-8072

5. Transporter 1 Company Name  
CALKINS EXCAVATING

A. State Transporter's ID  
02160 VT

B. Transporter 1 Phone  
802 684-3375

7. Transporter 2 Company Name

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address  
ESMI OF NEW HAMPSHIRE  
67 INTERNATIONAL DRIVE  
LOUDON NH 12828  
HM

E. State Facility's ID

F. Facility's Phone  
603 783-0228

11. Shipping Name

12. Containers

13. Total Quantity

14. Unit Wt./Vol.

a. Non-RCRA, Non-DOT SOLIDS, N.O.S. (Petroleum Contaminated Soils)

No.

Type

DT

15

T

GENERATOR

G. Additional Descriptions for Materials Listed Above

a. APP #: ESMI JOB # , KEROSENE OIL CONT. SOILS, c.  
HHW

b. d.

15. Special Handling Instructions and Additional Information

1) JOB#: V3039 PO#: 9513V

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name

CHRIS INGRAM (ON BEHALF OF BILL LAWRENCE)

Signature

(ON BEHALF OF BILL LAWRENCE)

Date

Month Day Year  
1 18 13

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

Dana Calkins

Signature

Dana Calkins

Date

Month Day Year  
1 18 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

To be Del Monday

Signature

1-21-13

Date

Month Day Year

19. Discrepancy Indication Space

14.77 tons

TRANSPORTER

FACILITY

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in Item 19.

Printed/Typed Name

Sm Angela Coagne

Signature

Angela Coagne

Date

Month Day Year  
01 20 13

BILL OF LADING



24-Hour Emergency Phone Number  
1-800-843-8265

int or type

# BILL OF LADING

HHW

1. Document No. **BUR3512** 2. Page 1 of 1

3. Generator's Name and Mailing Address  
**BILL LAWRENCE  
259 US ROUTE 2  
SOUTH HERO VT 05486**

Site Address  
**SAME**

4. Generator's Phone ( **802** ) **372-6072**

5. Transporter 1 Company Name  
**ESMI**

7. Transporter 2 Company Name

9. Designated Facility Name and Site Address  
**ESMI OF NEW HAMPSHIRE  
67 INTERNATIONAL DRIVE  
LOUDON NH 12828**  
HM

A. State Transporter's ID **SIXES NH**  
B. Transporter 1 Phone **603 783-0228**  
C. State Transporter's ID  
D. Transporter 2 Phone  
E. State Facility's ID  
F. Facility's Phone  
**603 783-0228**

11. Shipping Name

12. Containers No. Type 13. Total Quantity 14. Unit Wt/Vol.

a. **Non-RCRA, Non-DOT SOLIDS, N.O.S. (Petroleum Contaminated Soils)**

**1** **DT** **20** **T**

b.

c.

d.

G. Additional Descriptions for Materials Listed Above

a. **APP #: ESMI JOB # , KEROSENE OIL CONT. SOILS,** c.  
**HHW**  
b. d.

15. Special Handling Instructions and Additional Information

**1) JOB#: V3039 PO#: 9513V**

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name **CHRIS INGRAM** (ON BEHALF OF **BILL LAWRENCE**) Signature **[Signature]** (ON BEHALF OF **BILL LAWRENCE**) Date **1/13/13**

17. Transporter 1 Acknowledgement of Receipt of Materials  
Printed/Typed Name **Perry Weeks** Signature **[Signature]** Date **1/16/13**

18. Transporter 2 Acknowledgement of Receipt of Materials  
Printed/Typed Name Signature Date

19. Discrepancy Indication Space

**15.47 tons**

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.

Printed/Typed Name **[Signature]** Signature **[Signature]** Date **01/15/13**

GENERATOR



24-Hour Emergency Phone Number  
1-800-843-8265

Please print or type

<b>BILL OF LADING</b>		H HW		1. Document No. BUR3513	2. Page 1 of 1
3. Generator's Name and Mailing Address BILL LAWRENCE 259 US ROUTE 2 SOUTH HERO VT 05486				Site Address SAME	
4. Generator's Phone ( 802 ) 372-6072				A. State Transporter's ID <u>22D52 V-192</u>	
5. Transporter 1 Company Name ESMI EPSVT		6.		B. Transporter 1 Phone <u>603 783-0228</u>	
7. Transporter 2 Company Name		8.		C. State Transporter's ID	
				D. Transporter 2 Phone	
9. Designated Facility Name and Site Address ESMI OF NEW HAMPSHIRE 67 INTERNATIONAL DRIVE LOUDON NH 12828 HM				E. State Facility's ID	
				F. Facility's Phone 603 783-0228	
11. Shipping Name		12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-RCRA, Non-DOT SOLIDS, N.O.S. (Petroleum Contaminated Soils)		1	DT	15	T
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information 1) JOB#: V3039 PO#: 9513V					
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.					
Printed/Typed Name CHRIS INGRAM				Date 11/18/13	
Signature <i>[Signature]</i>				Date 11/18/13	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name JAMES ROCHILLER				Date 1/19/17	
Signature <i>[Signature]</i>				Date 1/19/17	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Date	
Signature				Date	
19. Discrepancy Indication Space 13.58 tons					
20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.				Date	
Printed/Typed Name ESMI / Angela Coaghe				Date 01/22/13	
Signature <i>[Signature]</i>				Date 01/22/13	

GENERATOR

BILL OF LADING

TRANSPORTER

FACILITY



Please print or type

<b>BILL OF LADING</b>		1. Document No. BUR3518	2. Page 1 of 1
3. Generator's Name and Mailing Address BILL LAWRENCE 289 US ROUTE 2 SOUTH HERO VT 05486		Site Address SAME  VT-55AGO	
4. Generator's Phone ( 802 ) 372-6072		A. State Transporter's ID: DOT 765108	
5. Transporter 1 Company Name CALKINS Ex Inc		B. Transporter 1 Phone 802-535-5159	
6. Location Danville VT		C. State Transporter's ID	
7. Transporter 2 Company Name		D. Transporter 2 Phone	
8.		E. State Facility's ID	
9. Designated Facility Name and Site Address ESMI OF NEW HAMPSHIRE 67 INTERNATIONAL DRIVE LOUDON NH 12828 HM		F. Facility's Phone 603 783-0228	
10.			
11. Shipping Name		12. Containers No. Type	13. Total Quantity
a. NON-RCRA, NON-DOT SOLIDS, N.O.S. (Kerosene Contaminated soil)		001 DT	75 TONS
b.			
c.			
d.			
14. Unit Wt./Vol. T			
G. Additional Descriptions for Materials Listed Above			
a. APP: NO APP# REQUIRED, HHW KEROSENE CONT. SOIL			
b.			
c.			
d.			
15. Special Handling Instructions and Additional Information 1) JOB# V639, PC# 9513V			
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.			
Printed/Typed Name Heather Wheel		Signature Heather Wheel	Date 1/21/13
17. Transporter 1 Acknowledgement of Receipt of Materials			
Printed/Typed Name Dana Calkins		Signature Dana Calkins	Date 1/21/13
18. Transporter 2 Acknowledgement of Receipt of Materials			
Printed/Typed Name		Signature	Date
19. Discrepancy Indication Space  860 TONS			
20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in Item 19.			
Printed/Typed Name ESMI Angela Coage		Signature Angela Coage	Date 01/21/13

GENERATOR

BILL OF LADING

TRANSPORTER

FACILITY



24-Hour Emergency Phone Number  
1-800-843-8265

Please print or type

# BILL OF LADING

1. Document No. **BUR3517** 2. Page 1 of 1

3. Generator's Name and Mailing Address  
**BILL LAWRENCE  
259 US ROUTE 2  
SOUTH HERO VT 05486**

Site Address  
**SAME**

4. Generator's Phone ( **802** ) **372-6072**

5. Transporter 1 Company Name

*John's Trucking*

A. State Transporter's ID

*John's*

B. Transporter 1 Phone

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address

**ESMI OF NEW HAMPSHIRE  
67 INTERNATIONAL DRIVE  
LOUDON NH 12828**

HM

E. State Facility's ID

F. Facility's Phone

**603 783-0228**

11. Shipping Name	12. Containers		13. Total Quantity	14. Unit Wt./Vol.
	No.	Type		
a. <b>NON-RCRA, NON-DOT SOLIDS, N.O.S. (Kerosene Contaminated soil)</b>	<b>001</b>	<b>DT</b>	<b>= 20 T</b>	<b>T</b>
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

- a. **APP:NO APP# REQUIRED, HHW KEROSENE CONT. SOIL**
- b.
- c.
- d.

15. Special Handling Instructions and Additional Information

**1)JOB# V039, PO#: 9513V**

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Date

Printed/Typed Name

*Heather Wheeler*

Signature

*Heather Wheeler*

Month Day Year  
**1 21 13**

17. Transporter 1 Acknowledgement of Receipt of Materials

Date

Printed/Typed Name

*Jerry Webster*

Signature

*Jerry Webster*

Month Day Year  
**1 21 13**

18. Transporter 2 Acknowledgement of Receipt of Materials

Date

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

**10.94 tons**

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in Item 19.

Date

Printed/Typed Name

*ESM Angela Coagne*

Signature

*Angela Coagne*

Month Day Year  
**01 21 13**

GENERATOR

TRANSPORTER

FACILITY



24-Hour Emergency Phone Number  
1-800-843-8265

Please print or type

<b>BILL OF LADING</b>		H H W	1. Document No. <b>BUR3535</b>		2. Page 1 of 1	
3. Generator's Name and Mailing Address <b>BILL LAWRENCE 259 US ROUTE 2 SOUTH HERO VT 05486</b>			Site Address <b>SAME</b>			
4. Generator's Phone ( <b>802</b> ) <b>372-6072</b>						
5. Transporter 1 Company Name <b>ENVIRONMENTAL PROD &amp; SVCS OF VT, INC</b>		6. <b>NYR000115733</b>		A. State Transporter's ID <b>53082 (VT)</b>		
7. Transporter 2 Company Name		8.		B. Transporter 1 Phone <b>800 843-8265</b>		
9. Designated Facility Name and Site Address <b>ENVIRONMENTAL PROD &amp; SVCS OF VT, INC 532 STATE FAIR BLVD. SYRACUSE NY 13204</b>		10. <b>NYR000115733</b>		C. State Transporter's ID		
<b>HM</b>				D. Transporter 2 Phone		
				E. State Facility's ID		
				F. Facility's Phone <b>800 843-8265</b>		
11. Shipping Name			12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
<b>X</b> a. UN1223, Kerosene Mixture, 3, PGIII			<b>7</b>	<b>DM</b>	<b>280</b>	<b>G</b>
b.						
c.						
d.						
G. Additional Descriptions for Materials Listed Above						
a. APP #: 0113183-TS/IO, <u>7</u> X55 GAL, HHW, ERC#128 c.						
b. d.						
15. Special Handling Instructions and Additional Information <b>1) SHIPPED AS PRODUCT FOR RECYCLE, JOB #: V3039</b>						
16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.						
Printed/Typed Name			Signature		Date	
<b>David Veloso</b>			<i>(Signature)</i> <b>(on behalf of Bill Lawrence)</b>		<b>1   25   13</b>	
17. Transporter 1 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Date	
<b>David Veloso</b>			<i>(Signature)</i>		<b>1   25   13</b>	
18. Transporter 2 Acknowledgement of Receipt of Materials						
Printed/Typed Name			Signature		Date	
19. Discrepancy Indication Space						
20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in item 19.						
Printed/Typed Name			Signature		Date	

GENERATOR

BILL OF LADING

TRANSPORTER

FACILITY

# Appendix C

## Cost Estimate



February 21, 2013

Mr. Bill Lawrence  
259 US Route 2  
South Hero, VT 05486

RE: Kerosene Spill Cleanup, 259 US Route 2, South Hero, VT 05486  
VDEC Spill # 2013-WMD-018

Dear Mr. Lawrence:

Environmental Products & Services of Vermont, Inc. (EPSVT) hereby presents the following quotation for additional services to be performed at your 259 US Route 2 property, in South Hero, Vermont (**Figure 1**). EPSVT will complete weekly site checks to monitor kerosene contamination at the Site until no impacts are noted. EPSVT will complete site restoration activities including topsoil, seed and mulch to affected areas. EPSVT will collect and dispose of all remaining waste on-site. EPSVT will prepare a Site Summary/Closure Letter once all recommended work has been completed.

EPSVT will provide all labor, materials and equipment necessary to perform the following tasks:

**SCOPE OF WORK –**

- Weekly Site Checks;
- Site Restoration;
- Waste Disposal;
- Summary Reporting.

**TASK 1 – Weekly Site Checks**

Field Technician	4	hours	@ \$	47.00 /hour	\$	188.00
Light Duty Vehicle	1	shift	@ \$	139.00 /shift	\$	139.00
Photoionization Detector	¼	shift	@ \$	134.00 /shift	\$	33.50
Absorbent Boom	¼	bales	@ \$	117.00 /bale	\$	29.25
Poly Bags	4	bags	@ \$	2.00 /bag	\$	8.00
55-gallon steel drum	2	drums	@ \$	38.00 /drum	\$	<u>76.00</u>

**ESTIMATED TOTAL TASK 1 – \$ 473.75**  
**(per visit)**

**Task 2 – Site Restoration**

Equipment Operator	8	hours	@ \$	50.00	/hour	\$	400.00
Field Technician	8	hours	@ \$	47.00	/hour	\$	376.00
Skid Steer	1	day	@ \$	600.00	/day	\$	600.00
Mobilization/Demobilization	1	each	@ \$	250.00	/job	\$	250.00
Top Soil	1	load	@ \$	500.00	/load	\$	500.00
Hand Tools	1	shift	@ \$	34.00	/shift	\$	34.00
Grass Seed	25	pounds	@ \$	8.00	/pound	\$	200.00
Straw	10	bales	@ \$	9.00	/pound	\$	<u>90.00</u>

**ESTIMATED TOTAL TASK 2 – \$ 2,450.00**

**Task 3 – Waste Disposal**

Equipment Operator & Box Truck	2	hours	@ \$	90.00	/hour	\$	180.00
Disposal – Oil Soaked Debris	2	drums	@ \$	140.00	/drum	\$	<u>280.00</u>

**ESTIMATED TOTAL TASK 3 – \$ 460.00**

**Task 4– Summary Reporting**

Staff Scientist	4	hours	@ \$	73.00	/hour	\$	292.00
Senior Environmental Scientist	1	hour	@ \$	100.00	/hour	\$	100.00
Administrative	1	hour	@ \$	50.00	/hour	\$	<u>50.00</u>

**ESTIMATED TOTAL TASK 4 – \$ 442.00**

<b>ESTIMATED TOTAL COST</b>	<b>\$ 3,825.75</b>
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**\* Waste volumes are estimates and actual volumes will be invoiced**

**Above costs are based on the following items:**

1. A customer representative must be present for the signing of all shipping documents.  
 EPSVT will assist in the completion of these forms.
2. Customer is responsible for all applicable taxes.
3. Work will conform to all local, state, and federal regulations.
4. Free and easy access for personnel and equipment.
5. Disposal price is subject to verification upon facility’s approval of waste stream.

This quotation is valid for 30 days from the above date and subject to verification thereafter.

Applicable taxes are separate items. Standard payment terms are cash in advance, or Check/Visa/MasterCard or approved credit with application.



The customer agrees to indemnify, exonerate, and hold Environmental Products & Services of Vermont, Inc. harmless against loss, damage, or expense, by reasons of suits, claims, demands, judgments, and causes of action for personal injury, death, or property damage rising out of or in any way in consequence of the performance of all work undertaken by Environmental Products & Services of Vermont, Inc. except that in no instance shall the customer be held responsible for any liability claim demand or cause of action attributable solely to the negligence of Environmental Products & Services of Vermont, Inc.

If you are in agreement with this proposal, please sign below and return a copy for our files.  
This proposal is understood and accepted:

By: \_\_\_\_\_ Date

If you have any questions or require additional information, please contact me or Jake Peirce at (802) 862-1212, Fax (802) 860-7445 or email me at [cingram@epsfvermont.com](mailto:cingram@epsfvermont.com)

Sincerely,

**ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.**



Chris Ingram  
*Environmental Scientist*

cc: Mr. Matt Moran (VDEC), electronically  
Ms. Jonna Clayton, Cooperative Insurance

