



U.S. Army Corps of Engineers  
New England District

**REMEDIAL ACTION  
CLOSURE REPORT**

**REMEDICATION & RESTORATION SITES  
AOC 9, AOC 11, AOC 40, AOC 41, SA 12, SA 13  
VOLUME III**

**LANDFILL REMEDIATION PROJECT  
DEVENS RESERVE FORCES TRAINING AREA  
DEVENS, MASSACHUSETTS**

*Prepared Under:*

**CONTRACT NO. DACW33-97-D-0002  
DELIVERY ORDER NO. 0010**

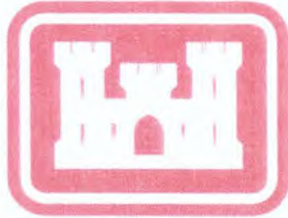
**SEPTEMBER 2003**

*Prepared By:*

**Shaw Environmental, Inc.  
Stone & Webster Construction, Inc.**

**LFC 03094 SEIP**

**Vol III of III**



U.S. Army Corps of Engineers  
New England District

**REMEDIAL ACTION  
CLOSURE REPORT**

**REMEDICATION & RESTORATION SITES  
AOC 9, AOC 11, AOC 40, AOC 41, SA 12, SA 13  
VOLUME III**

**LANDFILL REMEDIATION PROJECT  
DEVENS RESERVE FORCES TRAINING AREA  
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**SEPTEMBER 2003**

*Prepared By:*

**Shaw Environmental, Inc.  
Stone & Webster Construction, Inc.**



UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator's US EPA ID No. MA7210025154	Manifest Document No. 02 8796349	22. Page 2 OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791		MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		L. State Manifest Document Number MI 88 96819		
24. Transporter Company Name CSA TRANSPORTATION		25. US EPA ID Number FLD006821340		M. State Generator's ID		
26. Transporter Y Company Name EQ INDUSTRIAL SERVICES		27. US EPA ID Number MI0-000-131-292		N. State Transporter's ID 004-350-3400		
				O. Transporter's Phone		
				P. State Transporter's ID		
				Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.		No.	Type			
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above ERG# 171		T. Handling Codes for Wastes Listed Above				
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE: EQ: 800/629-3975 RAILCAR # CSXT 709023						
33. Transporter 3 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Date Month Day Year
34. Transporter 3 Acknowledgement of Receipt of Materials		Printed/Typed Name x <i>George Wagner</i>		Signature x <i>[Signature]</i>		Date Month Day Year 11   25   02
35. Discrepancy Indication Space						

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210125151	Manifest Document No. MA 2071-949	22. Page OF 2	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVINS LANDFILL USACOE 80A WALKER ROAD SHREVEPORT, LA 70504 841-1791		24. Transporter's Company Name 25. US EPA ID Number		L. State Manifest Document Number MI 2071-949		
26. Transporter's Company Name FH INDUSTRIAL		27. US EPA ID Number		M. State Generator's ID		
				N. State Transporter's ID - 359-3100		
				O. Transporter's Phone		
				P. State Transporter's ID		
				Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a. HM		No.	Type			
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above ERG# 171		T. Handling Codes for Wastes Listed Above				
32. Special Handling Instructions and Additional Information RAILCAR # 10172 EQ 600/829-7375						
33. Transporter 3 Acknowledgement of Receipt of Materials		Printed/Typed Name			Signature	
					Date Month Day Year	
34. Transporter 3 Acknowledgement of Receipt of Materials		Printed/Typed Name			Signature	
					Date Month Day Year 11 25 22	
35. Discrepancy Indication Space						



# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest #

MI8896849

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:

*(Please check one)*



Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)



Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to comply may subject you to  
criminal and/or civil penalties under  
Sections 324.11151 or 324.12116 MCL

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest  
Document No.

2. Page 1  
of 3

Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address  
500 WILDER ROAD  
SHARLET, MI 48104

US EPA ID NUMBER  
36 QUBEEB-000001  
UNIT ID  
#PER 44-0102

A. State Manifest Document Number  
MI 8898832

4. Generator's Phone ( )

5. MAUSEPA ID Number

B. State Generator's ID

6. Transporter's Name

7. Transporter's Company Name: MIMA

8. US EPA ID Number 1523

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address  
CITE THE ATTACHED PL-10  
1000 NORTH WILSON DRIVE  
BELLVILLE, MICHIGAN 48111

US EPA ID Number

MI 0000724731

G. State Facility's ID

H. Facility's Phone 800-542-5469

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER)

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

Waste  
No.

a. HM  
1.0  
PO, HAZARDOUS WASTE SOLID, H.O.D.  
PLAIN, D. HAZARD, POH

001 01

EST 25  
21.81

1

100

b. 1.0

c. 1.0

d. 1.0

Additional Descriptions for Materials Listed Above

K. Handling Codes

15. Special Handling Instructions and Additional Information

ERG 6171

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Date

Month Day Year

THOMAS J. DeFilippo

[Signature]

11/10/94

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

Paul W. Cleary

[Signature]

11/19/94

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

WALTER SCOTT

[Signature]

11/11/94

19. Discrepancy Indication Space

01-03

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Date

Month Day Year

Kelly Clam

[Signature]

11/19/94

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 01-03 BY 60322 UCBAW

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED  
DATE 01-03 BY 60322 UCBAW



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.  MA7210025154		Manifest Document No.  <del>MA7210025154</del> 96832		22. Page  2 OF 3		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791		<b>MAILING ADDRESS</b> US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		L. State Manifest Document Number  ME 8896833			
24. Transporter Company Name  CSX TRANSPORTATION		25. US EPA ID Number  FLD006921340				N. State Transporter's ID  04-350-3100		M. State Generator's ID	
26. Transporter Y Company Name  EQ INDUSTRIAL SERVICES		27. US EPA ID Number  M10-000-131-292		P. State Transporter's ID		Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity		31. Unit Wt/Vol	
				No. Type					
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above					
ERG# 171									
32. Special Handling Instructions and Additional Information									
24 HOUR EMERGENCY RESPONSE: EQ: 800/829-3975 RAILCAR #: NYC 585312									
33. Transporter I Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name				Signature				Month Day Year	
34. Transporter Y Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name				Signature				Month Day Year	
RT Carlist				RT Carlin				11/22/02	
35. Discrepancy Indication Space									

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210025101	Manifest Document No. 181-1632	22. Page 2 OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVINS LANDFILL, USARMC 900 W. ALPHEA ROAD SHILOH, ALA 35161 205 3411701		L. State Manifest Document Number 7112-889633		M. State Generator's ID		
24. Transporter Company Name CSA TRANS		25. US EPA ID Number		N. State Transporter's ID		
26. Transporter Company Name EQ INDUSTRIAL SERVICES		27. US EPA ID Number		O. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.		No.	Type			
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above EPC 171				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE RAILCAR # 10-54712 EQ. 000/029-3375						
33. Transporter 2 Acknowledgement of Receipt of Materials						Date
Printed/Typed Name				Signature		Month Day Year
34. Transporter 7 Acknowledgement of Receipt of Materials						Date
Printed/Typed Name KT (11/15)				Signature		Month Day Year 11/20/02
35. Discrepancy Indication Space						



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b> (Continuation Sheet)		21. Generator's US EPA ID No.  MA7210025154	Manifest Document No.  96832	22. Page  3 OF 3	Information in the shaded areas is not required by Federal law.
23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791			MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		L. State Manifest Document Number  ME 8896832
24. Transporter <u>S</u> Company Name  WILLIS TRUCKING INC			25. US EPA ID Number  OHD-068-913-409		M. State Generator's ID
26. Transporter <u>  </u> Company Name			27. US EPA ID Number		N. State Transporter's ID
					O. Transporter's Phone
					P. State Transporter's ID
					Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			29. Containers No.	30. Total Quantity	31. Unit Wt/Vol
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					
S. Additional Descriptions for Materials Listed Above			T. Handling Codes for Wastes Listed Above		
ERG# 171					
32. Special Handling Instructions and Additional Information					
RAILCAR # <u>NKC 588312</u>					
33. Transporter <u>S</u> Acknowledgement of Receipt of Materials					Date
Printed/Typed Name  X Jeff Arthur				Signature  X Jeff Arthur	Month Day Year  11   22   02
34. Transporter <u>  </u> Acknowledgement of Receipt of Materials					Date
Printed/Typed Name				Signature	Month Day Year
35. Discrepancy Indication Space					

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.  MA7210025154		Manifest Document No.  76-22		22. Page  OF 3		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name  DEWINS LANDFILL - USACOE 50 A WALKER ROAD SHIRLEY, MA 01464 TEL 841-1791		MAILING ADDRESS US ARMY DEWINS RPTA 30 QUEEN ST LANE 10 AVER, MA 01432		L. State Manifest Document Number  76-22-1003			
24. Transporter Company Name  WILLS Trucking Inc		25. US EPA ID Number  MA7210025154		N. State Transporter's ID		O. Transporter's Phone		M. State Generator's ID	
26. Transporter Company Name		27. US EPA ID Number		P. State Transporter's ID		Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity		31. Unit Wt/Vol	
				No. Type					
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above  ERG 171				T. Handling Codes for Wastes Listed Above					
32. Special Handling Instructions and Additional Information  RAILCAR # NYC 587312									
33. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name X JOE F. H. H.				Signature X [Signature]				Month Day Year 11 22 02	
34. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name				Signature				Month Day Year	
35. Discrepancy Indication Space									



# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 8891032

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
(Please check one)

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

15/EE  
Failure to file may subject you to  
criminal and/or civil penalties under  
Sections 24.11151 or 24.12116 MCL

Please print or type:

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No. **MI 770025151**

Manifest Document No. **77-29**

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
**TRACOP  
800 WALKER ROAD  
SHIPLEY, MI 48154**

**STANLEY INDUSTRIES  
100 ARMY DEPT RD  
PO BOX 200  
LANSING MI 48201**

A. State Manifest Document Number  
**MI 8896829**

4. Generator's Phone ( )

B. State Generator's ID

5. Transporter 1 Company Name

6. MAUS EPA ID Number

C. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number **MI 770025151**

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address  
**STANLEY INDUSTRIES  
4350 HORTON RD  
BELLVILLE MI 48111**

US EPA ID Number **MI 770025151**

G. State Facility's ID

H. Facility's Phone **800-542-6449**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER)

12. Containers  
No. Type

13. Total Quantity

14. Unit W/Vol

Waste No.

a. **HM  
100 LBS HAZARDOUS WASTE AND D. H. O. N.  
(LEAK), 9, MAR 77, POB**

**001**

**DR**

**EST 25  
38.07**

**1**

**000**

15. Special Handling Instructions and Additional Information

K. Handling Codes

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name **KEVIN J. DEF...** Signature **[Signature]** Date **11/11/2005**

17. Transporter 1 Acknowledgment of Receipt of Materials  
Printed/Typed Name **Paul W. Clog...** Signature **[Signature]** Date **11/11/2005**

18. Transporter 2 Acknowledgment of Receipt of Materials  
Printed/Typed Name **WALTER SCOTT** Signature **Walter Scott Trainmont** Date **11/11/2005**

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name **Don Boas** Signature **[Signature]** Date **11/11/2005**

ALL INFORMATION MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-424-7860 OR OUT OF STATE AT 1-800-424-7860 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210025154	Manifest Document No. MA7210025154	22. Page OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01461 401 341-1791		24. US EPA ID Number MA7210025154		L. State Manifest Document Number MA7210025154		
24. Transporter's Company Name CSA TRANSPORTATION		25. US EPA ID Number MA7210025154		M. State Generator's ID MA7210025154		
26. Transporter's Company Name EU INDUSTRIAL GROUP		27. US EPA ID Number MA7210025154		N. State Transporter's ID MA7210025154		
				O. Transporter's Phone 617 341-1791		
				P. State Transporter's ID MA7210025154		
				Q. Transporter's Phone 617 341-1791		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity	31. Unit Wt/Vol	32. Waste No.
a. HM		No. Type				
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above EPCO 171				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information 24 HOURS EMERGENCY RESPONSE RADIATION 77-133712 EC: 000623-0975						
33. Transporter's Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name		Signature		Month Day Year		
34. Transporter's Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name K.T. Collier		Signature		Month Day Year 11 22 01		
35. Discrepancy Indication Space						

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <div style="text-align: center;">MA7210025154</div>		Manifest Document No. <div style="text-align: center;">76529</div>		22. Page <div style="text-align: center;">OF 3</div>		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01404 401 841-1791		24. US EPA ID Number US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		25. State Manifest Document Number 77E 77 76529			
24. Transporter Company Name WALLS TRUCKING INC		25. US EPA ID Number D110-065-912-109		26. State Generator's ID		27. State Transporter's ID		28. Transporter's Phone	
26. Transporter Company Name		27. US EPA ID Number		28. State Transporter's ID		29. Transporter's Phone		30. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity		31. Unit Wt/Vol		32. Waste No.	
		No. Type							
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above		T. Handling Codes for Wastes Listed Above							
32. Special Handling Instructions and Additional Information		RAILCAR #		IVY-1-550313					
33. Transporter Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Date			
34. Transporter Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Date			
35. Discrepancy Indication Space									



# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # 8896929

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

Please print or type

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 2	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address BIO-TECHNOLOGY 1000 N. 10TH ST DULUTH, GA 30090		4. Generator's Phone ( ) (404) 251-0143		5. State Manifest Document Number ML 8896822	
6. Designated Facility Name and Site Address BIO-TECHNOLOGY 1000 N. 10TH ST DULUTH, GA 30090		7. US EPA ID Number ML0000724831		8. State Generator's ID	
9. Transporter 1 Company Name Coca-Cola		10. US EPA ID Number		11. State Transporter's ID	
12. Transporter 2 Company Name N/A		13. US EPA ID Number		14. State Transporter's ID	
15. Designated Facility Name and Site Address BIO-TECHNOLOGY 1000 N. 10TH ST DULUTH, GA 30090		16. US EPA ID Number		17. State Facility's ID	
18. Facility's Phone (404) 251-0143		19. State Facility's ID		20. Facility's Phone	
21. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER)		22. Containers No. Type		23. Total Quantity	
a. HM HAZARDOUS WASTE SOLID, H.O.S. (FAM) 3, MAR07, PC01		001 DT		15.54	
b. HM				38.60	
c. HM				44.0	
d. HM					
24. Additional Descriptions for Materials Listed Above		25. Handling Codes		26. Date	
27. Special Handling Instructions and Additional Information		28. Date		29. Date	
30. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		31. Printed/Typed Name		32. Signature	
33. Transporter 1 Acknowledgment of Receipt of Materials		34. Printed/Typed Name		35. Signature	
36. Transporter 2 Acknowledgment of Receipt of Materials		37. Printed/Typed Name		38. Signature	
39. Discrepancy Indication Space		40. Printed/Typed Name		41. Signature	
42. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		43. Printed/Typed Name		44. Signature	

S MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-232-4706 OR OUT OF STATE AT 317-373-7000 AND THE NATIONAL RESPONSE

774

ALI



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <div style="text-align: center;">MA7210025154</div>		Manifest Document No. <div style="text-align: center;">MA 8896822</div>		22. Page <div style="text-align: center;">2 OF 2</div>		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name <div style="text-align: center;">DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791</div>		MAILING ADDRESS <div style="text-align: center;">US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432</div>		L. State Manifest Document Number <div style="text-align: center;">MA 8896822</div>			
24. Transporter Company Name <div style="text-align: center;">CSX TRANSPORTATION</div>		25. US EPA ID Number <div style="text-align: center;">FLD008921340</div>		N. State Transporter's ID		O. Transporter's Phone <div style="text-align: center;">604-358-3100</div>			
26. Transporter Company Name <div style="text-align: center;">EQ INDUSTRIAL SERVICES</div>		27. US EPA ID Number <div style="text-align: center;">M10-000-131-292</div>		P. State Transporter's ID		Q. Transporter's Phone			

a.	b.	c.	d.	e.	f.	g.	h.	i.	HM	28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	29. Containers		30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
											No.	Type			

S. Additional Descriptions for Materials Listed Above <div style="text-align: center;">ERG# 171</div>	T. Handling Codes for Wastes Listed Above
----------------------------------------------------------------------------------------------------------	-------------------------------------------

32. Special Handling Instructions and Additional Information  
  
 24 HOUR EMERGENCY RESPONSE: \_\_\_\_\_ EQ: 800/629-3975  
 RAILCAR #: CSX 741181

33. Transporter Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year
34. Transporter Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year
x <u>George Wagner</u>	x <u>George Wagner</u>	11/21/02
35. Discrepancy Indication Space		

# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 8896822

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
(Please check one)

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111





WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file may subject you to  
criminal and/or civil penalties under  
Sections 324.11151 or 324.12116 MCL

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest  
Document No.

2. Page 1  
of

Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address  
800 WALKER RD  
STURGEON LAKE MI 49781  
734-2140

STATE AND ADDRESS  
150 STATE ST  
QUINCY ILL 62401  
618-231-1111

A. State Manifest Document Number  
MI 8896823

4. Generator's Phone ( )

B. State Generator's ID

5. Transporter 1 Company Name

6. MA/USEPA ID Number

C. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER)

12. Containers

13. Total  
Quantity

14. Unit  
Wt/Vol

Waste

a. 15.4 HAZARDOUS WASTE BULK, N.O.S.  
1.000 L, H207, POB

No. Type

15.4

1

Waste

b. 15.4

No. Type

15.4

1

Waste

c. 15.4

No. Type

15.4

1

Waste

d. 15.4

No. Type

15.4

1

Waste

Additional Descriptions for Materials Listed Above

K. Handling Codes

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Date

17. Transporter 1 Acknowledgment of Receipt of Materials

Date

Printed/Typed Name

Signature

Month Day Year

18. Transporter 2 Acknowledgment of Receipt of Materials

Date

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator, Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Date

Month Day Year

ALL INFORMATION MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-252-4706 OR OUT OF STATE AT 617-373-7663 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-6602 24 HOUR PER DAY.

# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 8896823

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
(Please check one)

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

ORIGINAL - RETURN TO GENERATOR



Please print or type

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator US EPA ID No.: 1223

Manifest  
Document No.

Form Approved OMB No. 2050-0639

2. Page 1 Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address - USACOR  
214 W. LEE ROAD  
SHIPLEY, MO. 64641  
978 7720143

**U.S. AIR FORCE**

A State Marriest Document Number  
MI 8896831  
B State Generator ID

4. Generator's Phone ( )

6. MALISEPA ID Number

C. State Transporters &amp; D.

7. Transporter Company Name MANAL

8. US EPA ID Number: 7323

State Transpore ID

9. Designated Facility Name and Site Address: SITE: THE VILLAGES PLAZA  
4030 PORTLAND SERVICE DRIVE  
BRIDGEVILLE, MICHIGAN 48111

US EPA ID Number  
MITCHELL/24831

G. State Facility ID:

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

H. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).

12. Containers	
No.	Type

13. Total Quantity

14.  
Unit  
WVoWarrior  
No. 1

a.	HM	RE: HAZARDOUS WASTE SOLD, H Q 5 (LAD), 3, BAZZU, PGM	b6 b7C
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097 17

100

[illegible]

100

b.	
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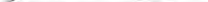
Additional Descriptions for Materials Listed Above

15. Special Handling Instructions and Additional Information

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Paul J. [illegible]	[illegible]	11	11	2011

17. Transporter 1 Acknowledgment of Receipt of Materials			Date
Printed/Typed Name	Signature	Month	Day Year

18 Transporter 2 Acknowledgment of Receipt of Materials Paul W. Cleary		Signature 	Date 11/11/2002
---------------------------------------------------------------------------	--	---------------------------------------------------------------------------------------------------	--------------------

Printed/Typed Name	Signature	Month	Day	Year
Scott	Scott	11	11	11



19. Discrepancy Indication Space	
----------------------------------	--

chan - 13 per Bul C. (1) = 10.5 (10.5/10.5 = 1.0)

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Month	Day	Year
K. J. Kim	[Signature]	10	10	2013

ALL SPILLS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 917-373-7060 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-8802 24 HOUR PER DAY.

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No.		22. Page		Information in the shaded areas is not required by Federal law.			
		MA721D025154		00096831		2 OF 3					
23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401-841-1791		MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		V. State Manifest Document Number		VI. State Generator's ID					
				00096831							
24. Transporter Company Name  CSX TRANSPORTATION		25. US EPA ID Number  FLD008921340		N. State Transporter's ID		O. Transporter's Phone					
						004-359-3100					
26. Transporter Company Name  EQ INDUSTRIAL SERVICES		27. US EPA ID Number  MID-000-131-292		P. State Transporter's ID		Q. Transporter's Phone					
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers No. Type		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
S. Additional Descriptions for Materials Listed Above  ERG 171				T. Handling Codes for Wastes Listed Above							
32. Special Handling Instructions and Additional Information  <div style="display: flex; justify-content: space-between;"> <div>           1. UNIFORM EMERGENCY RESPONSE            24 HOUR EMERGENCY RESPONSE            RAILCAR # <u>CSX 709039</u> </div> <div>           3. OTHER INFORMATION            L.H. UNIFORMITY         </div> </div>											
33. Transporter Acknowledgement of Receipt of Materials <div style="display: flex; justify-content: space-between;"> <div>           Printed/Typed Name  <u>George Wagner</u> </div> <div>           Signature   </div> <div>           Date            Month Day Year  <u>11</u> <u>21</u> <u>02</u> </div> </div>											
34. Transporter Acknowledgement of Receipt of Materials <div style="display: flex; justify-content: space-between;"> <div>           Printed/Typed Name  <u>George Wagner</u> </div> <div>           Signature   </div> <div>           Date            Month Day Year  <u>11</u> <u>21</u> <u>02</u> </div> </div>											
Discrepancy Indication Space											



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210026154	Manifest Document No. MA-7210026154	22. Page 2 OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVIN LANDFILL - USACCE 80 A WALKER ROAD SHIRLEY, MA 01463 901 841-1701		25. US EPA ID Number FL1000001040		L. State Manifest Document Number MA-7210026154		
24. Transporter Company Name CSX TRANSPORTATION		26. Transporter Company Name EQ INDU. MTL		M. State Generator's ID		
25. US EPA ID Number FL1000001040		27. US EPA ID Number 9110-001-131-292		N. State Transporter's ID 904-350-3100		
26. Transporter Company Name EQ INDU. MTL		27. US EPA ID Number 9110-001-131-292		O. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity		
		No. Type		31. Unit Wt/Vol		
a.				R. Waste No.		
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above EPA 171		T. Handling Codes for Wastes Listed Above				
32. Special Handling Instructions and Additional Information RAILCAR #						
33. Transporter Acknowledgement of Receipt of Materials		Printed/Typed Name			Signature	
34. Transporter Acknowledgement of Receipt of Materials		Printed/Typed Name x [Signature]			Signature [Signature]	
35. Discrepancy Indication Space		Date Month Day Year 11/21/12				



# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # WV 8890631

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file may subject you to  
criminal and/or civil penalties under  
Sections 324.11151 or 324.12116 MCL

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest  
Document No.

2. Page 1  
of

Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address  
176005  
244 WILSON RD  
SIMPLEY, MI 49784

US EPA ID No. 101-111-111  
STATE OF MICHIGAN  
DEPT OF ENVIRONMENTAL QUALITY  
176005

A. State Manifest Document Number  
MI 8896821

4. Generator's Phone ( )

B. State Generator's ID

5. Transporter 1 Company Name

6. MI US EPA ID Number

C. State Transporter's ID

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address  
SUE TREATMENT CO. AID  
49500 NORTH MI AVE  
BELL MI 49701

US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID NUMBER).

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

15. Waste  
No.

a. ☒ HM 001 01  
HAZARDOUS WASTE SOLID, RQ1  
(LEAD), 1. HAZR1, PCB

001

01

20

1

001

b. ☐

c. ☐

d. ☐

1. Additional Descriptions for Materials Listed Above

K. Handling Codes

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Date

Month Day Year

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

Amend 13a PCR

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Date

Month Day Year

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>MA7210025154</b>		Manifest Document No. <b>MA7210025154</b>		22. Page <b>2 OF 3</b>		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name <b>DEVINS LANDFILL - USACOE</b> <b>80 A WALKER ROAD</b> <b>SHIRLEY, MA 01464</b> <b>401 841-1791</b>		MAILING ADDRESS <b>US ARMY DEVINS RFTA</b> <b>30 QUEBEC ST UNIT 10</b> <b>AYER, MA 01432</b>		E. State Manifest Document Number <b>MA 819621</b>		M. State Generator's ID	
24. Transporter Company Name <b>CSX TRANSPORTATION</b>		25. US EPA ID Number <b>FLD008921340</b>		N. State Transporter's ID <b>804-359-3100</b>		O. Transporter's Phone			
26. Transporter Company Name <b>EQ INDUSTRIAL SERVICE</b>		27. US EPA ID Number <b>MI0-000-131-292</b>		P. State Transporter's ID		Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity		31. Unit Wt/Vol	
				No. Type					
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above <b>ERG 171</b>				T. Handling Codes for Wastes Listed Above					
32. Special Handling Instructions and Additional Information <b>24 HOUR EMERGENCY RESPONSE:</b> <b>RAILCAR # <u>NYC 582180</u></b> <b>EQ: 800/629-3975</b>									
33. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name				Signature				Month Day Year	
34. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name <b>RT Conlon</b>				Signature <b>RT Conlon</b>				Month Day Year <b>11 22 02</b>	
35. Discrepancy Indication Space									



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b> (Continuation Sheet)		21. Generator's US EPA ID No. MA 7210025191	Manifest Document No. MA 7210025191	22. Page OF 3	Information in the shaded areas is not required by Federal law.
23. Generator's Name DEVINE LANDFILL USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 844-1701		25. US EPA ID Number MA 7210025191		L. State Manifest Document Number MA 7210025191	
24. Transporter's Company Name FBI INDUSTRIAL SERVICES		25. US EPA ID Number MA 7210025191		M. State Generator's ID MA 7210025191	
26. Transporter's Company Name FBI INDUSTRIAL SERVICES		27. US EPA ID Number MA 7210025191		N. State Transporter's ID MA 7210025191	
				O. Transporter's Phone 617 359-3100	
				P. State Transporter's ID MA 7210025191	
				Q. Transporter's Phone 617 359-3100	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			29. Containers	30. Total Quantity	31. Unit Wt/Vol
			No.	Type	R. Waste No.
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					
S. Additional Descriptions for Materials Listed Above CRU-171			T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE RAILCAR 3 NYC 542190			EQ 000029-3975		
33. Transporter Acknowledgement of Receipt of Materials					Date
Printed/Typed Name RALPH GILBERT				Signature [Signature]	Month Day Year 11 22 82
34. Transporter Acknowledgement of Receipt of Materials					Date
Printed/Typed Name RALPH GILBERT				Signature [Signature]	Month Day Year 11 22 82
35. Discrepancy Indication Space					

ORIGINAL - RETURN TO GENERATOR



GENERATOR COPY



# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 8896821

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
(Please check one)

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

*Anna Marie Fallon*



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.  MA7210025154		Manifest Document No.  96828	22. Page  2 OF 3	Information in the shaded areas is not required by Federal law.	
		23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401-844-1791		MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432			
24. Transporter <u>2</u> Company Name  CSX TRANSPORTATION		25. US EPA ID Number  FLD008821340		L. State Manifest Document Number  MS 8896828		M. State Generator's ID	
26. Transporter <u>Y</u> Company Name  EQ INDUSTRIAL SERVICES		27. US EPA ID Number  M10-000-131-292		N. State Transporter's ID		O. Transporter's Phone 604-358-3100	
				P. State Transporter's ID		Q. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity	31. Unit Wt/Vol
				No.	Type		
a.							
b.							
c.							
d.							
e.							
f.							
g.							
h.							
i.							
S. Additional Descriptions for Materials Listed Above  ERG# 171				T. Handling Codes for Wastes Listed Above			
32. Special Handling Instructions and Additional Information  24 HOUR EMERGENCY RESPONSE: _____ EQ: 800/629-3975 RAILCAR #: CSX 708431							
33. Transporter <u>3</u> Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name				Signature		Month Day Year	
34. Transporter <u>Y</u> Acknowledgement of Receipt of Materials						Date	
Printed/Typed Name RT CORLIOT				Signature RT CORLIOT		Month Day Year 11   22   02	
35. Discrepancy Indication Space							



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>MA7210025104</b>	Manifest Document No. <b>76-25</b>	22. Page <b>2 OF 3</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>DEVINS LANDFILL - USACCE</b> <b>80 A WALKER ROAD</b> <b>SHIRLEY, MA 01464</b> <b>508-311-1791</b>			MAILING ADDRESS <b>US ARMY DEVINS RFTA</b> <b>30 QUEBEC ST UNIT 10</b> <b>AYER, MA 01432</b>		L. State Manifest Document Number <b>MA 889000-001</b>	
24. Transporter's Company Name <b>CSX TRANSPORTATION</b>			25. US EPA ID Number <b>FL0006921340</b>		M. State Generator's ID	
26. Transporter's Company Name <b>EQ INDUSTRIAL</b>			27. US EPA ID Number <b>MA10-00131 272</b>		N. State Transporter's ID	
					O. Transporter's Phone <b>508-3100</b>	
					P. State Transporter's ID	
					Q. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			29. Containers		30. Total Quantity	31. Unit Wt/Vol
			No.	Type		
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above <b>ENCL 171</b>			T. Handling Codes for Wastes Listed Above			
32. Special Handling Instructions and Additional Information <b>24 HOUR EMERGENCY RESPONSE: EQ 800/829-3975</b> <b>RACAP # 555-789433</b>						
33. Transporter's Acknowledgement of Receipt of Materials						Date
Printed/Typed Name			Signature			Month Day Year
34. Transporter's Acknowledgement of Receipt of Materials						Date
Printed/Typed Name <b>K. J. Collins</b>			Signature <b>K. J. Collins</b>			Month Day Year <b>11 22 92</b>
35. Discrepancy Indication Space						

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator's US EPA ID No. MA7210025154	Manifest Document No. 96828	22. Page 3 OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791		MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		L. State Manifest Document Number MA 8896828		
24. Transporter Company Name S J C TRANSPORT INC		25. US EPA ID Number MIR-000-039-701		M. State Generator's ID		
26. Transporter Company Name		27. US EPA ID Number		N. State Transporter's ID		
				O. Transporter's Phone		
				P. State Transporter's ID		
				Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a. <input type="checkbox"/> HM		No.	Type			
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above RCF 171				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information RAILCAR # CXT 708K39						
33. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name HERON LODD				Signature X		Date Month Day Year 11/22/02
34. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Date Month Day Year
35. Discrepancy Indication Space						

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA120005131	Manifest Document No. 7472	22. Page OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name LEWIS LANDFILL - USAROC 60 A WILDER ROAD SHIRLEY, MA 01464 301 841-6751		24. US EPA ID Number MA120005131		L. State Manifest Document Number 7472		
24. Transporter Company Name S. J. C. TRANSPORT		25. US EPA ID Number MA120005131		M. State Generator's ID		
26. Transporter Company Name		27. US EPA ID Number		N. State Transporter's ID		
				O. Transporter's Phone		
				P. State Transporter's ID		
				Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.	
a. HM		No.	Type			
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above EPCO 171		T. Handling Codes for Wastes Listed Above				
32. Special Handling Instructions and Additional Information EPCO 171						
33. Transporter Acknowledgement of Receipt of Materials		Printed/Typed Name S. J. C. TRANSPORT			Signature 11/2	
34. Transporter Acknowledgement of Receipt of Materials		Printed/Typed Name			Signature	
35. Discrepancy Indication Space						



# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 8896828  
have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

*Kau*

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file may subject you to  
criminal and/or civil penalties under  
Sections 324.11151 or 324.12116 MCL

Form Approved OMB No. 2050-0038

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest  
Document No.

2. Page 1  
of 1

Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address  
USAGDE  
100 W. LEE ROAD  
SARASOTA, FL 34231  
772-0146

US EPA ID Number  
000000000000000000  
UNIT 10  
AUG 1988

A. State Manifest Document Number  
MI 8896824

B. State Generator's ID

4. Generator's Phone ( )

5. Manifest ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter's Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address  
WASTE TREATMENT CO. INC.  
4350 NORTH LEE ROAD  
BELLINGHAM, WASHINGTON 98221

US EPA ID Number

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and  
ID NUMBER).

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

Waste  
No.

HM

a. 1

20. HAZARDOUS WASTE SOLID, FLAMMABLE,  
CORROSIVE, POISONOUS

001

01

Est. 25

b. 1

c. 1

d. 1

J. Additional Descriptions for Materials Listed Above

K. Handling Codes

a.

b.

c.

d.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Date

Month Day Year

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

Printed/Typed Name

Signature

Date

Month Day Year

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Date

Month Day Year

MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-4706 OR OUT OF STATE AT 313-373-7869 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-9302 24 HOUR PER DAY.

ALL  
CE

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.  MA7210025154		Manifest Document No.  96834		22. Page  2 OF 3		Information in the shaded areas is not required by Federal law.							
		23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791		MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		L. State Manifest Document Number  ME 8896824									
24. Transporter Company Name  CSX TRANSPORTATION		25. US EPA ID Number  FLD006921340		N. State Transporter's ID  04-358-3100		M. State Generator's ID		O. Transporter's Phone							
26. Transporter Y Company Name  EQ INDUSTRIAL SERVICES		27. US EPA ID Number  MA10-000-131242		P. State Transporter's ID		Q. Transporter's Phone		R. Waste No.							
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers  No. Type		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.							
a.															
b.															
c.															
d.															
e.															
f.															
g.															
h.															
i.															
S. Additional Descriptions for Materials Listed Above  ERG# 171															
T. Handling Codes for Wastes Listed Above															
32. Special Handling Instructions and Additional Information  24 HOUR EMERGENCY RESPONSE: EQ: 800/629-3975 RAILCAR # CSXT 708237															
33. Transporter Acknowledgement of Receipt of Materials <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Printed/Typed Name</td> <td style="width:30%;">Signature</td> <td style="width:20%;">Date</td> </tr> <tr> <td></td> <td></td> <td>Month Day Year</td> </tr> </table>										Printed/Typed Name	Signature	Date			Month Day Year
Printed/Typed Name	Signature	Date													
		Month Day Year													
34. Transporter Y Acknowledgement of Receipt of Materials <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">Printed/Typed Name</td> <td style="width:30%;">Signature</td> <td style="width:20%;">Date</td> </tr> <tr> <td>RT Corlier</td> <td>RT <i>Corlier</i></td> <td>11/22/02</td> </tr> </table>										Printed/Typed Name	Signature	Date	RT Corlier	RT <i>Corlier</i>	11/22/02
Printed/Typed Name	Signature	Date													
RT Corlier	RT <i>Corlier</i>	11/22/02													
35. Discrepancy Indication Space															



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210025121	Manifest Document No. MA 89 16524	22. Page 2 OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVIN L. LINDFILL, USACOE 80 A WALDEN ROAD SHIRLEY, MA 01463 101 418-1791		US ARMY DEVIN'S RPTA 50 QUEBEC STREET AYER, MA 01432		L. State Manifest Document Number MA 89 16524		
24. Transporter's Company Name EQ INDUSTRIAL SERVICES		25. US EPA ID Number MA 89 16524		M. State Generator's ID		
26. Transporter's Company Name EQ INDUSTRIAL SERVICES		27. US EPA ID Number MA 89 16524		N. State Transporter ID 804-359-3100		
				O. Transporter's Phone		
				P. State Transporter's ID		
				Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers No.	Type	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above EPC 171				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE: EQ 800/629-5975 RAB CAR #						
33. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name		Signature		Month Day Year		
34. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name		Signature		Month Day Year		
35. Discrepancy Indication Space						

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b> (Continuation Sheet)	21. Generator's US EPA ID No.	Manifest Document No.	22. Page	Information in the shaded areas is not required by Federal law.
	MA7210025154	96824	3 OF 3	
23. Generator's Name	MAILING ADDRESS		L. State Manifest Document Number	
DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791	US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		M. State Generator's ID	
24. Transporter Company Name	25. US EPA ID Number	N. State Transporter's ID		
SAC TRANSPORT INC	MIR-000-039-701	O. Transporter's Phone		
26. Transporter Company Name	27. US EPA ID Number	P. State Transporter's ID		
		Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers	30. Total Quantity	31. Unit Wt/Vol
		No.	Type	
a.				
b.				
c.				
d.				
e.				
f.				
g.				
h.				
i.				
S. Additional Descriptions for Materials Listed Above		T. Handling Codes for Wastes Listed Above		
ERG 171				
32. Special Handling Instructions and Additional Information				
RAILCAR # C SXT 708237				
33. Transporter Acknowledgement of Receipt of Materials				Date
Printed/Typed Name		Signature		Month Day Year
X C. STARRMAN		X [Signature]		11 22 02
34. Transporter Acknowledgement of Receipt of Materials				Date
Printed/Typed Name		Signature		Month Day Year
35. Discrepancy Indication Space				

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b> (Continuation Sheet)		21. Generator's US EPA ID No. MA7210025154	Manifest Document No. 96 P2 Y	22. Page OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVINS LANDFILL - USACOE 80 A WATKIN ROAD SHIRLEY, MA 01464 401 341-1791		24. US EPA ID Number MA7210025154		L. State Manifest Document Number MA 7210025154		
24. Transporter Company Name SYC TRANSPORT INC		25. US EPA ID Number MA7210025154		M. State Generator's ID		
26. Transporter Company Name		27. US EPA ID Number		N. State Transporter's ID		
				O. Transporter's Phone		
				P. State Transporter's ID		
				Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a. <input type="checkbox"/> HM		No. Type				
b. <input type="checkbox"/>						
c. <input type="checkbox"/>						
d. <input type="checkbox"/>						
e. <input type="checkbox"/>						
f. <input type="checkbox"/>						
g. <input type="checkbox"/>						
h. <input type="checkbox"/>						
i. <input type="checkbox"/>						
S. Additional Descriptions for Materials Listed Above		T. Handling Codes for Wastes Listed Above				
ERG 1171						
32. Special Handling Instructions and Additional Information						
RAILCAR # 2001 705237						
33. Transporter Acknowledgement of Receipt of Materials					Date	
Printed/Typed Name X C. STAPPA					Month Day Year 11 22 02	
Signature X						
34. Transporter Acknowledgement of Receipt of Materials					Date	
Printed/Typed Name					Month Day Year	
Signature						
35. Discrepancy Indication Space						



# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 886824

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
(Please check one)

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file may subject you to  
criminal and/or civil penalties under  
Sections 324.11151 or 324.12116 MCL.

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.  
MICHIGAN 10724031

Manifest  
Document No.  
7-11

2. Page 1  
of 2

Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address  
USACOE  
200 WOODRIDGE BLVD  
SHELBY, MI 48154

4. Generator's Phone ( )  
734-201-1132

A. State Manifest Document Number  
MI 8895819

B. State Generator's ID

5. Transporter's Company Name

6. Manifest EPA ID Number

C. State Transporter's ID

D. Transporter's Phone

7. Transporter's Company Name

8. US EPA ID Number 7323

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address  
SHELL OIL FIELD  
40000 HUNTERMAN BLVD  
BENTLEY, MI 49515

US EPA ID Number  
MICHIGAN 10724031

G. State Facility's ID

H. Facility's Phone 800-602-5410

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER)

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

15. Waste  
No.

a. HM 09 HAZARDOUS WASTE SOLID, H.D.R.  
0.0001, 0.0001, 0.0001

001 LT

31/84

1

001

b. 01

22

c. 02

d. 03

e. 04

f. 05

g. 06

h. 07

i. 08

j. 09

k. 10

l. 11

m. 12

n. 13

o. 14

p. 15

q. 16

r. 17

s. 18

t. 19

u. 20

v. 21

1. MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN, AT 1-800-292-4705 OR OUT OF STATE AT 817-573-7860 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-9303 24 HOURS PER DAY.

GENERATOR

TRANSPORTER

RECEIVER

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No.		22. Page		Information in the shaded areas is not required by Federal law.	
		MA7210025154		96819		2 OF 3			
23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791		MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432				L. State Manifest Document Number			
						MI 8896819			
24. Transporter Company Name CSX TRANSPORTATION		25. US EPA ID Number FLD008821340				M. State Generator's ID			
26. Transporter Company Name EQ INDUSTRIAL SERVICES		27. US EPA ID Number MID-000-131-292				N. State Transporter's ID			
						O. Transporter's Phone			
						P. State Transporter's ID			
						Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers No. Type		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above				
32. Special Handling Instructions and Additional Information  24 HOUR EMERGENCY RESPONSE: EQ: 800/829-3975 RAILCAR #: CSXT 709 237									
33. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name _____ Signature _____								Date Month Day Year	
34. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name _____ Signature _____								Date Month Day Year	
35. Discrepancy Indication Space								11   22   02	



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210125154	Manifest Document No. 76919	22. Page OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVILS LANDFILL (USACOE) 20 A WALKER ROAD SHIRLEY, MA 01464 401 841 1741				L. State Manifest Document Number MA 8896819		
24. Transporter's Company Name CSX TRANSPORTATION				M. State Generator's ID		
25. US EPA ID Number FL00004780				N. State Transporter's ID 550 3400		
26. Transporter's Company Name EQ INNOVATION SERVICES				O. Transporter's Phone		
27. US EPA ID Number MID-001 131-292				P. State Transporter's ID		
				Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.	
a. HM		No.	Type			
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above EPC 171				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE RAILCAR # 700-227						
33. Transporter Acknowledgement of Receipt of Materials						Date
Printed/Typed Name			Signature			Month Day Year
34. Transporter Acknowledgement of Receipt of Materials						Date
Printed/Typed Name			Signature			Month Day Year
35. Discrepancy Indication Space						

# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 8896819

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file may subject you to  
criminal and/or civil penalties under  
Sections 324.11151 or 324.12116 MCL.

Please print or type.

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest  
Document No.

2. Page 1  
of

Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address

DEPT. OF ENVIRONMENTAL QUALITY  
500 CHURCH ST.  
LANSING, MI 48224

4. Generator's Phone

313-373-3000

5. Transporter 1 Company Name

GM CORP.

7. Transporter 2 Company Name

SPRINGFIELD TERMINAL

9. Designated Facility Name and Site Address

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY  
500 CHURCH ST.  
LANSING, MI 48224

6. US EPA ID Number

STATE OF MICHIGAN

8. US EPA ID Number

STATE OF MICHIGAN

10. US EPA ID Number

STATE OF MICHIGAN

A. State Manifest Document Number

MI 8896818

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

800-492-6489

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER)

HM

a.

☒

80, UNAPPROVED WASTE SOLID, WASTE  
CLEAN, 3, MAR 77, 1000

b.

☐

c.

☐

d.

☐

12. Containers

No.

Type

13. Total  
Quantity

14. Unit  
Wt/Vol

15. Waste  
No.

001

DT

2576

1

000

1. Additional Descriptions for Materials Listed Above

APPROXIMATELY 1000 LBS OF WASTE  
HAZARDOUS WASTE

K. Handling Codes

a.

b.

c.

d.

15. Special Handling Instructions and Additional Information

24 HOUR EMERGENCY CONTACT:  
ERG 800-492-6489

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Date

Month Day Year

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

change 13 per

Waste

Waste Scott Train

Bill Attin

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Date

Month Day Year



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.  MA7210025154		Manifest Document No.  MA7210025154	22. Page  2 OF 3	Information in the shaded areas is not required by Federal law.	
		23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401-841-1791		MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432			
GENERATOR		24. Transporter <u>3</u> Company Name  CSX TRANSPORTATION		25. US EPA ID Number  FLD006921340		L. State Manifest Document Number  MA7210025154	
		26. Transporter <u>Y</u> Company Name  EQ INDUSTRIAL SERVICES		27. US EPA ID Number  MA10-000-131-292		M. State Generator's ID	
TRANSPORTER		28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total	
				No. Type		Quantity	
FACILITY		a.					
		b.					
GENERATOR		c.					
		d.					
TRANSPORTER		e.					
		f.					
FACILITY		g.					
		h.					
GENERATOR		i.					
TRANSPORTER		S. Additional Descriptions for Materials Listed Above		T. Handling Codes for Wastes Listed Above			
FACILITY		32. Special Handling Instructions and Additional Information  24 HOUR EMERGENCY RESPONSE: EQ: 800/629-3975 RAILCAR # NYC 588312					
GENERATOR		33. Transporter <u>Y</u> Acknowledgement of Receipt of Materials				Date	
		Printed/Typed Name				Signature	
TRANSPORTER		34. Transporter <u>Y</u> Acknowledgement of Receipt of Materials				Date	
		Printed/Typed Name				Signature	
FACILITY		35. Discrepancy Indication Space					

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210025101	Manifest Document No. 2576818	22. Page 2 OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DENISE LANDFILL - USACOE 60 S WALKER ROAD SHIPLEY, MA 01107 401 841-1791		24. US EPA ID Number MA7210025101		L. State Manifest Document Number MA7210025101		
24. Transporter Company Name CSX TRANSPORTATION		25. US EPA ID Number MA7210025101		M. State Generator's ID		
26. Transporter Company Name EQ INDUSTRIAL SERVICES		27. US EPA ID Number MA7210025101		N. State Transporter's ID 849 540 9100		
				O. Transporter's Phone		
				P. State Transporter's ID		
				Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.	
a. <input type="checkbox"/> HM		No.	Type			
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above EPA 171				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE: EQ: 800-829-3375 RAILCAR # 1170 5453						
33. Transporter Acknowledgement of Receipt of Materials						Date
Printed/Typed Name				Signature		Month Day Year
34. Transporter Acknowledgement of Receipt of Materials						Date
Printed/Typed Name Rt. Colm				Signature		Month Day Year 11-2-92
35. Discrepancy Indication Space						

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator's US EPA ID No.  MA7210025154	Manifest Document No.  96818	22. Page  3 OF 3	Information in the shaded areas is not required by Federal law.
23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01484 401-841-1791			MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		L. State Manifest Document Number  MA 8896818
24. Transporter <u>S</u> Company Name  SJC TRANSPORT INC			25. US EPA ID Number  MIR-000-039-701		M. State Generator's ID
26. Transporter <u>  </u> Company Name			27. US EPA ID Number		N. State Transporter's ID
					O. Transporter's Phone
					P. State Transporter's ID
					Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			29. Containers	30. Total Quantity	31. Unit Wt/Vol
			No.	Type	
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					
j.					
S. Additional Descriptions for Materials Listed Above			T. Handling Codes for Wastes Listed Above		
ERGO 171					
32. Special Handling Instructions and Additional Information					
RAILCAR # NYC 588312					
33. Transporter <u>S</u> Acknowledgement of Receipt of Materials					Date
Printed/Typed Name * EROD TONN					Month Day Year 11 22 02
Signature *					Date
34. Transporter <u>  </u> Acknowledgement of Receipt of Materials					Date
Printed/Typed Name					Month Day Year
Signature					
35. Discrepancy Indication Space					



EPA Form 8700-22A (Rev 09-88) Previous editions are obsolete

GENERATOR COPY

# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 889488

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:

*(Please check one)*



Michigan Disposal Waste Treatment Plant

(EPA I.D. # MID000724831)



Wayne Disposal, Inc.

(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file may subject you to  
criminal and/or civil penalties under  
Sections 324.11151 or 324.12115 MCL.

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.

MA7210023154

Manifest  
Document No.

2. Page 1  
of 3

Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address  
HAROLD  
304 - 1ST AVE  
STURGEON MICH 49154

304 - 1ST AVE  
STURGEON MICH 49154  
419-231-1154

A. State Manifest Document Number  
MI 8896826

B. State Generator's ID

4. Generator's Phone ( )

5. Transporter's Company Name

6. MA US EPA ID Number

7. Transporter's Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address  
USED NORTH MI SERVICE DRIVE  
BEEBEVILLE MICHIGAN 48011

10. US EPA ID Number

MA7210023154

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and  
ID NUMBER).

12. Containers

13. Total  
Quantity

14. Unit  
Wt/Vol

Waste  
No.

a. HM 6.2  
HAZARDOUS WASTE SOLID, FLAM.  
CLASS. 3, MARSH, 0511

No. Type

EST 25

1

000

b. 11

c. 11

d. 12

Additional Descriptions for Materials Listed Above

APPROVAL (DO NOT WRITE IN THIS SPACE)

K. Handling Codes

a

b

c

d

15. Special Handling Instructions and Additional Information

ASST 709439

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Date

Month Day Year

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

change is per [signature] BINE at [signature]

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Signature

Date

Month Day Year



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b> (Continuation Sheet)		21. Generator's US EPA ID No.  MA7210025154	Manifest Document No.  96826 <del>100-89163</del>	22. Page  2 OF 3	Information in the shaded areas is not required by Federal law.
23. Generator's Name DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791			MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		L. State Manifest Document Number MA 8896726
24. Transporter <u>3</u> Company Name CSX TRANSPORTATION			25. US EPA ID Number FLD0008921340		M. State Generator's ID
26. Transporter <u>Y</u> Company Name EQ INDUSTRIAL SERVICES			27. US EPA ID Number MID-000-131-292		N. State Transporter's ID 004-358-3100
					O. Transporter's Phone
					P. State Transporter's ID
					Q. Transporter's Phone
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			29. Containers	30. Total Quantity	31. Unit Wt/Vol
			No.	Type	R. Waste No.
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					
3. Additional Descriptions for Materials Listed Above ERG# 171			T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE: EQ: 800/829-3975 RAILCAR # CSXT 708439					
33. Transporter <u>Y</u> Acknowledgement of Receipt of Materials					Date
Printed/Typed Name			Signature		Month Day Year
34. Transporter <u>Y</u> Acknowledgement of Receipt of Materials					Date
Printed/Typed Name RT Carlson			Signature RT Carlson		Month Day Year 11 22 02
35. Discrepancy Indication Space					

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210025181	Manifest Document No. 76-26 AD-574-35	22. Page 1 OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVIN'S LANDFILL - USAROC 80 A WALKER ROAD SHIRLEY, MA 01901 401 341 1701		24. Transporter's Company Name EQ INDUSTRIAL SERVICE		25. US EPA ID Number MA7210025181	L. State Manifest Document Number MA 8811306	
					M. State Generator's ID	
					N. State Transporter's ID MA-389-3100	
					O. Transporter's Phone	
26. Transporter's Company Name EQ INDUSTRIAL SERVICE		27. US EPA ID Number MA7210025181			P. State Transporter's ID	
					Q. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	30. Total Quantity	31. Unit Wt/Vol
				No.	Type	R. Waste No.
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above EPC 171				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE RAILCAR # 6477-103434 EQ 500629-3975						
33. Transporter Acknowledgement of Receipt of Materials						Date
Printed/Typed Name K T Carlson				Signature K T Carlson		Month Day Year 11 22 01
34. Transporter Acknowledgement of Receipt of Materials						Date
Printed/Typed Name K T Carlson				Signature K T Carlson		Month Day Year 11 22 01
35. Discrepancy Indication Space						

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.  MA7210025151		Manifest Document No.  96826		22. Page  3 OF 3		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791		MAILING ADDRESS US ARMY DEVINS BETA 30 QUEBEC ST UNIT 10 AYER, MA 01432		L. State Manifest Document Number  INC 889 6726			
24. Transporter <u>5</u> Company Name <del>WILLIS TRUCKING INC</del> WILLIS TRUCKING INC		25. US EPA ID Number <del>04D-068-913-409</del> 04D-068-913-409		N. State Transporter's ID  804-359-3400		O. Transporter's Phone  			
26. Transporter <u>      </u> Company Name		27. US EPA ID Number		P. State Transporter's ID		Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity		31. Unit Wt/Vol	
				No. Type					
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE: _____ EQ: 800/629-3975 RAILCAR # <u>CST 908439</u>				J. Handling Codes for Wastes Listed Above					
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials				Date					
Printed/Typed Name <u>Jeff Arthur</u>				Signature <u>Jeff Arthur</u>				Month Day Year <u>11 22 02</u>	
34. Transporter <u>      </u> Acknowledgement of Receipt of Materials				Date					
Printed/Typed Name				Signature				Month Day Year	
35. Discrepancy Indication Space									



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210025154	Manifest Document No. 7624	22. Page 3 OF 3	Information in the shaded areas is not required by Federal law.
23. Generator's Name DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIPLEY, MA 01461 401 841-1791		US ARMY DEVINS BETA 50 QUEBEC ST UNIT 10 AYER, MA 01452		L. State Manifest Document Number 775-8896726	
24. Transporter's Company Name WILLIS TRUCKING INC		25. US EPA ID Number MA-617-712-117		M. State Generator's ID	
26. Transporter's Company Name		27. US EPA ID Number		N. State Transporter's ID 004-350-3100	
				O. Transporter's Phone	
				P. State Transporter's ID	
				Q. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers	
				No.	Type
				30. Total Quantity	
				31. Unit Wt/Vol	
				R. Waste No.	
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					
S. Additional Descriptions for Materials Listed Above ERG2 171				T. Handling Codes for Wastes Listed Above	
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE RAILCAR # C 581 1/2 1-2 EQ 501623 3975					
33. Transporter's Acknowledgement of Receipt of Materials					Date
Printed/Typed Name X JEFF HILL				Signature X [Signature]	Month Day Year 11 22 02
34. Transporter's Acknowledgement of Receipt of Materials					Date
Printed/Typed Name				Signature	Month Day Year
35. Discrepancy Indication Space					

# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 8896826  
have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

*Kun*

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111





WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE

ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file this manifest may be  
criminal and/or civil penalties under  
Sections 324.11351 of 206.12116 MCL.

Form Approved OHS 100-2050-0030

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's ID Number: **MS P218025154**

2. Manifest  
Document No.  
**96225**

3. Page  
of **2**

Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address: **USACOR  
804 WALKER ROAD  
WHIRLEY, MI 41404**

**US ARMY DEPT'S META  
50 QUEBEC STREET  
UNIT 10  
AYER, MA 01432**

4. Generator's Phone: **773 0143**

5. Transporter's Company Name: **MAULDS BROS**

6. US EPA ID Number: **MA00000724831**

7. Designated Facility Name and Site Address: **WASTE TREATMENT PLANT  
4350 NORTH B4 SERVICE DRIVE  
BELLVILLE, MICHIGAN 48111**

8. US EPA ID Number: **MID0000724831**

9. Designated Facility Name and Site Address: **WASTE TREATMENT PLANT  
4350 NORTH B4 SERVICE DRIVE  
BELLVILLE, MICHIGAN 48111**

10. US EPA ID Number: **MID0000724831**

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number): **HAZARDOUS WASTE, SOLID, N.O.S.  
0.000, 3.000, 11.000, 12.000, 13.000, 14.000, 15.000, 16.000, 17.000, 18.000, 19.000, 20.000, 21.000, 22.000, 23.000, 24.000, 25.000, 26.000, 27.000, 28.000, 29.000, 30.000, 31.000, 32.000, 33.000, 34.000, 35.000, 36.000, 37.000, 38.000, 39.000, 40.000, 41.000, 42.000, 43.000, 44.000, 45.000, 46.000, 47.000, 48.000, 49.000, 50.000, 51.000, 52.000, 53.000, 54.000, 55.000, 56.000, 57.000, 58.000, 59.000, 60.000, 61.000, 62.000, 63.000, 64.000, 65.000, 66.000, 67.000, 68.000, 69.000, 70.000, 71.000, 72.000, 73.000, 74.000, 75.000, 76.000, 77.000, 78.000, 79.000, 80.000, 81.000, 82.000, 83.000, 84.000, 85.000, 86.000, 87.000, 88.000, 89.000, 90.000, 91.000, 92.000, 93.000, 94.000, 95.000, 96.000, 97.000, 98.000, 99.000**

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

a	1	001	DT	1	1
b	1	001	DT	1	1
c	1	001	DT	1	1
d	1	001	DT	1	1

Additional Descriptions for Materials Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: **Walter Scott** Signature: **Walter Scott** Date: **11/18/06**

17. Transporter 1 Acknowledgment of Receipt of Materials  
Printed/Typed Name: **Grace White** Signature: **Grace White** Date: **11/18/06**

18. Transporter 2 Acknowledgment of Receipt of Materials  
Printed/Typed Name: **Walter Scott** Signature: **Walter Scott** Date: **11/18/06**

19. Discrepancy Indication Space  
**change 13 per Billi (ten)**

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.  
Printed/Typed Name: **Kelly Clane** Signature: **Kelly Clane** Date: **11/27/06**

THIS MANIFEST MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM (EMAPS) AT 1-800-252-2700 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-6000 24 HOUR PER DAY



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No.  MA7210025154		Manifest Document No.  96825		22. Page  2 OF 2		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA. 01464 401 841-1791		MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA. 01432		L. State Manifest Document Number  MA 8896825			
24. Transporter Company Name  CSX TRANSPORTATION		25. US EPA ID Number  FLD006921340		N. State Transporter's ID		O. Transporter's Phone 800-358-3100		M. State Generator's ID	
26. Transporter Y Company Name  EQ Industrial Services		27. US EPA ID Number  MA10-000-131-292		P. State Transporter's ID		Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity		31. Unit Wt/Vol	
				No. Type					
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above				T. Handling Codes for Wastes Listed Above					
EQ 171									
32. Special Handling Instructions and Additional Information									
24 HOUR EMERGENCY RESPONSE: _____ EQ: 800/829-3975 RAILCAR #: CSXT 709237									
33. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name				Signature				Month Day Year	
34. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name				Signature				Month Day Year	
X George Wagner				X [Signature]				11 22 02	
35. Discrepancy Indication Space									

EPA Form 8700-22A (Rev 09-88) Previous editions are obsolete  
GENERATOR COPY

# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 8896825

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
(Please check one)

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

*Handwritten signature*

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111





WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file may subject you to  
criminal and/or civil penalties under  
Sections 324.11151 or 324.12116 MCL

Please print or type.

Form Approved: OMB No. 2050-0039

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest  
Document No.

2. Page 1  
of

Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address  
500 W. HURON ST.  
ANN ARBOR MI 48106

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address  
1000 W. HURON ST.  
ANN ARBOR MI 48106

10. US EPA ID Number

A. State Manifest Document Number  
MI 8895820

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility's ID

H. Facility's Phone 800-542-0459

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).

12. Containers  
No. Type

13. Total  
Quantity

14. Unit  
Wt/Vol

15. Waste  
No.

HM

a. 1

HAZARDOUS WASTE  
(FAM) 8.000000

1

1

1

1

1

b. 1

1

1

1

1

1

c. 1

1

1

1

1

1

d. 1

1

1

1

1

1

J. Additional Descriptions for Materials Listed Above

K. Handling Codes

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Signature

Date

Month Day Year

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

Signature

Date

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Date

Month Day Year

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>MA7210025154</b>	Manifest Document No. <b>MA7210025154</b>	22. Page <b>2 OF 3</b>	Information in the shaded areas is not required by Federal law.
23. Generator's Name <b>DEVINS LANDFILL - USACOE</b>		MAILING ADDRESS <b>US ARMY DEVINS RFTA</b>		L. State Manifest Document Number <b>MA 889 6820</b>	
<b>80 A WALKER ROAD</b>		<b>30 QUEBEC ST UNIT 10</b>		M. State Generator's ID	
<b>SHIRLEY, MA 01464</b>		<b>AYER, MA 01432</b>			
24. Transporter Company Name <b>CSX TRANSPORTATION</b>		25. US EPA ID Number <b>FLD008921340</b>		N. State Transporter's ID <b>004-358-3100</b>	
26. Transporter Company Name <b>RED INDUSTRIAL SERVICES</b>		27. US EPA ID Number <b>MA10-000-131-292</b>		O. Transporter's Phone	
				P. State Transporter's ID	
				Q. Transporter's Phone	
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			29. Containers	30. Total Quantity	31. Unit Wt/Vol
			No.	Type	
a.					
b.					
c.					
d.					
e.					
f.					
g.					
h.					
i.					
S. Additional Descriptions for Materials Listed Above			T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information					
24 HOUR EMERGENCY RESPONSE: EQ: 800/629-3975					
RAILCAR # <b>CSXT 708439</b>					
33. Transporter Acknowledgement of Receipt of Materials					Date
Printed/Typed Name				Signature	Month Day Year
34. Transporter Acknowledgement of Receipt of Materials					Date
Printed/Typed Name				Signature	Month Day Year
<b>RT Conlist</b>				<b>RT Conlist</b>	<b>11/22/02</b>
35. Discrepancy Indication Space					



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210026104	Manifest Document No. A23876420	22. Page OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVINS LANDFILL - USARCE 80 A WALKER ROAD SHIRLEY, MA 01464 781 844-1731		24. Transporter Company Name USA INTERNATIONAL		25. US EPA ID Number FLL000521410		
26. Transporter Company Name EQ ENVIRONMENTAL SERVICES		27. US EPA ID Number 2110 000-151-110		28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		
29. Containers		30. Total Quantity		31. Unit Wt/Vol		32. Waste No.
No.		Type				
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above EQ 171				T. Handling Codes for Wastes Listed Above		
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE: EQ: 800/529-3375 RAILCAR # CSX 702439						
33. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name		Signature		Month Day Year		
34. Transporter Acknowledgement of Receipt of Materials				Date		
Printed/Typed Name KTH		Signature		Month Day Year 11 22 03		
35. Discrepancy Indication Space						



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>MA7210025154</b>		Manifest Document No. <b>96320</b>		22. Page <b>3 OF 3</b>		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name <b>DEVINS LANDFILL - USACCE 80 A WALKER ROAD SHIRLEY, MA 01464 401 841-1791</b>		MAILING ADDRESS <b>US ARMY DEVINS RFTA 20 QUEBEC ST UNIT 10 AYER, MA 01432</b>		L. State Manifest Document Number <b>MAF 9896820</b>			
24. Transporter Company Name <b>WILLIS TRUCKING INC</b>		25. US EPA ID Number <b>04 D - 062 - 913-409</b>		N. State Transporter's ID <b>804-358-3100</b>		O. Transporter's Phone			
26. Transporter Company Name		27. US EPA ID Number		P. State Transporter's ID		Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity		31. Unit Wt/Vol	
				No. Type					
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above <b>ERG# 171</b>				T. Handling Codes for Wastes Listed Above					
32. Special Handling Instructions and Additional Information <b>24 HOUR EMERGENCY RESPONSE RAILCAR # <u>C5XT 708 939</u>      EQ: 800-820-2875</b>									
33. Transporter <u>5</u> Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name <b>X David M. White</b>				Signature <b>X [Signature]</b>				Month Day Year <b>11   22   02</b>	
34. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name				Signature				Month Day Year	
35. Discrepancy Indication Space									

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>MA 7210023174</b>		Manifest Document No. <b>7-120</b>		22. Page <b>3 OF 3</b>		Information in the shaded areas is not required by Federal law.	
		23. Generator's Name <b>DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 901 641-1791</b>		US ARMY DEVCON RPTA 30 CINEBEE ST UNIT 10 WATER, MA 01432		L. State Manifest Document Number <b>MA 7210023174</b>			
24. Transporter's Company Name <b>WILIS TRANSPORT INC</b>		25. US EPA ID Number <b>MA 7210023174</b>		N. State Transporter's ID <b>MA 359-3100</b>		O. Transporter's Phone			
26. Transporter's Company Name		27. US EPA ID Number		P. State Transporter's ID		Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				29. Containers		30. Total Quantity		31. Unit Wt/Vol	
				No. Type					
a.  b.  c.  d.  e.  f.  g.  h.  i.  									
S. Additional Descriptions for Materials Listed Above <b>ENR 171</b>				T. Handling Codes for Wastes Listed Above					
32. Special Handling Instructions and Additional Information <b>RAILCAR # 6501-71-1</b>									
33. Transporter's Acknowledgement of Receipt of Materials									
Printed/Typed Name <b>X David M. Smith</b>				Signature <i>David M. Smith</i>				Date Month Day Year <b>11 22 02</b>	
34. Transporter's Acknowledgement of Receipt of Materials									
Printed/Typed Name				Signature				Date Month Day Year	
35. Discrepancy Indication Space									

# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # 218896820

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111





<b>UNIFORM HAZARDOUS WASTE MANIFEST</b> <b>(Continuation Sheet)</b>		21. Generator's US EPA ID No.		Manifest Document No.		22. Page		Information in the shaded areas is not required by Federal law.	
		MA7210025154		96827 <del>MA7210025154</del>		2 OF 2			
23. Generator's Name  DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHIRLEY, MA 01464 401. 841-1791		MAILING ADDRESS US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432				L. State Manifest Document Number			
						ME 8896827			
24. Transporter Company Name CSX TRANSPORTATION		25. US EPA ID Number FLD006921340				N. State Transporter's ID			
						804-358-5100			
26. Transporter Y Company Name EQ INDUSTRIAL SERVICES		27. US EPA ID Number M10-000-131-292				P. State Transporter's ID			
						Q. Transporter's Phone			
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers		30. Total Quantity		31. Unit Wt/Vol		R. Waste No.	
		No.	Type						
a.									
b.									
c.									
d.									
e.									
f.									
g.									
h.									
i.									
S. Additional Descriptions for Materials Listed Above					T. Handling Codes for Wastes Listed Above				
32. Special Handling Instructions and Additional Information									
24 HOUR EMERGENCY RESPONSE: EQ: 800/629-3975 RAILCAR #: NYC 592180									
33. Transporter Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name				Signature				Month Day Year	
34. Transporter Y Acknowledgement of Receipt of Materials								Date	
Printed/Typed Name				Signature				Month Day Year	
X George Wagner				X George Wagner				11 22 02	
35. Discrepancy Indication Space									



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210025154	Manifest Document No. 76527 <del>MA 7210025154</del>	22. Page OF 3	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVING LANDFILL - USACOE 60 A WALKER ROAD SHIRLEY, MA 01461 TEL: 941-1791		US ARMY DEVINS RFTA 30 QUEBEC ST UNIT 10 AYER, MA 01432		L. State Manifest Document Number FILE 8876137 M. State Generator's ID		
24. Transporter Company Name ELI INDUSTRIES		25. US EPA ID Number MA 72100131272		N. State Transporter ID 332-3100 O. Transporter's Phone		
26. Transporter Company Name ELI INDUSTRIES		27. US EPA ID Number MA 72100131272		P. State Transporter's ID Q. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers No.	Type	30. Total Quantity	31. Unit Wt/Vol	R. Waste No.
a.						
b.						
c.						
d.				25.6		
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above ERG 171		T. Handling Codes for Wastes Listed Above				
32. Special Handling Instructions and Additional Information 24 HOUR EMERGENCY RESPONSE: EQ: 800/829-3975 RAILCAR # NYL 543180						
33. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name Signature		Date Month Day Year				
34. Transporter Acknowledgement of Receipt of Materials Printed/Typed Name Signature		Date Month Day Year				
35. Discrepancy Indication Space						



# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest #

M | 8896827

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:

*(Please check one)*

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

*Anna Marie Fallar*

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111



WASTE MANAGEMENT DIVISION  
MICHIGAN DEPARTMENT OF  
ENVIRONMENTAL QUALITY

DO NOT WRITE IN THIS SPACE  
ATT. ☐ DIS. ☐ REJ. ☐ PR. ☐

Failure to file may subject you to  
criminal and/or civil penalties under  
Sections 324.11751 or 324.12116 MCL.

Form Approved OMB No. 2050-0039

UNIFORM HAZARDOUS  
WASTE MANIFEST

1. Generator's US EPA ID No.

MA/210025151

Manifest  
Document No.

2. Page 1 of 1

Information in the shaded areas  
is not required by Federal law.

3. Generator's Name and Mailing Address  
USACOR  
605 WALTER ROAD  
SHELBY, MI 48144

43400 W. WALKER RD  
US ARMY DEPT OF DEFENSE  
30000000000000000000  
UNIT 00  
AVENUE, MI 48144

A. State Manifest Document Number  
MI 8896830

4. Generator's Phone ( ) 734 7720168

5. Transporter 1 Company Name

6. MA/USEPA ID Number

C. State Transporter ID

7. Transporter 2 Company Name

8. US EPA ID Number

D. Transporter's Phone

9. Designated Facility Name and Site Address

WILSON INDUSTRIAL SITE TREATMENT PLANT  
4000 NORTH BEECH DRIVE  
BELLVILLE MICHIGAN 48111

US EPA ID Number

MI0000724831

E. State Facility ID

F. Facility's Phone

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID NUMBER).

12. Containers

13. Total Quantity

14. Unit

HM

RD, HAZARDOUS WASTE SOLID, M.O.S.  
LEAD, 5, HAZ977, P001

No.

Type

Quantity

Unit

a. 25

001

DT

25.6

1

b. 1

001

DT

25.6

1

c. 1

001

DT

25.6

1

d. 1

001

DT

25.6

1

Additional Descriptions for Materials Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

ROBERT J. DEFILIPPE

Signature

[Signature]

Date

Month Day Year

11 10 92

17. Transporter 1 Acknowledgment of Receipt of Materials

Printed/Typed Name

Paul W. Cleary

Signature

[Signature]

Date

Month Day Year

11 10 92

18. Transporter 2 Acknowledgment of Receipt of Materials

Printed/Typed Name

WALTER SCOTT

Signature

[Signature]

Date

Month Day Year

11 10 92

19. Discrepancy Indication Space

Amend 13a per Bill 1110

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Anna Marie Fallon

Signature

[Signature]

Date

Month Day Year

11 10 92

ALL SHIPMENTS MUST BE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN MICHIGAN AT 1-800-292-2706 OR OUT OF STATE AT 313-775-7860 AND THE NATIONAL RESPONSE CENTER AT 1-800-424-3022 24 HOUR PER DAY.

<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. <b>MA7210025154</b>	Manifest Document No. <b>02796830</b>	22. Page <b>2 OF 2</b>	Information in the shaded areas is not required by Federal law.	
23. Generator's Name <b>DEVINS LANDFILL - USACOE</b> <b>80 A WALKER ROAD</b> <b>SHIRLEY, MA 01464</b> <b>401 841-1791</b>		MAILING ADDRESS <b>US ARMY DEVINS RFTA</b> <b>30 QUEBEC ST UNIT 10</b> <b>AYER, MA 01432</b>		K. State Manifest Document Number <b>02796830</b>		
24. Transporter Company Name <b>CSX TRANSPORTATION</b>		25. US EPA ID Number <b>FLD006821340</b>		L. State Transporter's ID <b>004-354-3100</b>		
26. Transporter Company Name <b>EQ INDUSTRIAL SERVICES</b>		27. US EPA ID Number <b>MI0-000-131-292</b>		M. State Generator's ID		
				N. State Transporter's ID		
				O. Transporter's Phone		
28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		29. Containers	30. Total Quantity	31. Unit Wt/Vol	H. Waste No.	
a. <input type="checkbox"/> HM		No.	Type			
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above <b>ERG# 471</b>		T. Handling Codes for Waste Listed Above				
32. Special Handling Instructions and Additional Information <b>24 HOUR EMERGENCY RESPONSE</b> <b>RAILCAR # <u>NYC 582180</u></b> <b>EQ: 800/629-3975</b>						
33. Transporter Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Date Month Day Year
34. Transporter Acknowledgement of Receipt of Materials		Printed/Typed Name <b>* George Wagner</b>		Signature <b>x [Signature]</b>		Date Month Day Year <b>11/22/02</b>
35. Discrepancy Indication Space						



<b>UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)</b>		21. Generator's US EPA ID No. MA7210025154	Manifest Document No. 018996330	22. Page 053	Information in the shaded areas is not required by Federal law.	
23. Generator's Name DEVINS LANDFILL - USACOE 80 A WALKER ROAD SHELLEY, MA 01461 401 841-1791			24. US EPA ID Number PL080021310			
25. US EPA ID Number PL080021310			26. US EPA ID Number M10-000-131-A 93			
27. US EPA ID Number M10-000-131-A 93			28. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			
29. Containers No. Type			30. Total Quantity			
31. Unit Wt/Vol			32. Waste No.			
a.						
b.						
c.						
d.						
e.						
f.						
g.						
h.						
i.						
S. Additional Descriptions for Materials Listed Above			T. Handling Codes for Wastes Listed Above			
32. Special Handling Instructions and Additional Information RAILCAR # NYA 522180			EQ 800629-3975			
33. Transporter Acknowledgement of Receipt of Materials			Date			
Printed/Typed Name			Signature			
34. Transporter Acknowledgement of Receipt of Materials			Date			
Printed/Typed Name			Signature			
35. Discrepancy Indication Space			Month Day Year			

# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest #

MI 8896830

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
(Please check one)

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

*Anna Marie Fallon*

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111

# CERTIFICATE OF DISPOSAL



This certificate is to verify the wastes specified on Manifest # MI 8896830

have been properly disposed of in accordance with all local, state and federal regulations.

*"Disposed of" means either: 1) Burial or 2) Processed as specified in 40 CFR et seq.*

FACILITY NAME:  
(Please check one)

☒ Michigan Disposal Waste Treatment Plant  
(EPA I.D. # MID000724831)

☐ Wayne Disposal, Inc.  
(EPA I.D. # MID048090633)

ADDRESS:

49350 N. I-94 Service Drive  
Belleville, Michigan 48111

PHONE NUMBER:

1-800-592-5489

FAX NUMBER:

1-800-592-5329

Authorized Signature: \_\_\_\_\_

*Anna Marie Fallon*

THE ENVIRONMENTAL QUALITY COMPANY 49350 N. I-94 SERVICE DRIVE BELLEVILLE MICHIGAN 48111





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

N/A

☐ - ☐

**A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:**

Release Name (optional): Area of Concern (AOC-9)

Street: 80A Walker Road

Location Aid: \_\_\_\_\_

City/Town: Shirley

ZIP Code: 01464

Date/Period of Generation: 8/5/02 to: 12/20/02

Additional Release Tracking Numbers Associated with this Bill of Lading: \_\_\_\_\_

\* Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.

**B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

Name of Organization: Stone & Webster Construction, Inc.

Name of Contact: Jim Henebury

Title: Project Manager

Street: 45 Patton Road

City/Town: Ayer

State: MA

ZIP Code: 01432

Telephone: (978) 784-0900

Ext.: 910

**C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

☐ RP or PRP Specify: ☐ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP: \_\_\_\_\_

☐ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☒ Other Person: Contractor for Generator- US Army Corps of Engineer

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

**D. TRANSPORTER OR COMMON CARRIER INFORMATION:**

Transporter/Common Carrier Name: Carney Bros. Trucking (DOT reg. # - 3171030)

Contact Person: Janice Farren

Title: Industrial Coordinator

Street: 1958 Broadway

City/Town: Raynham

State: MA

ZIP Code: 02767

Telephone: (508) 824-4071

Ext.: \_\_\_\_\_

**E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:**

Operator/Facility Name: Woburn Municipal Landfill

Contact Person: \_\_\_\_\_

Title: \_\_\_\_\_

Street: 202 Merrimac Street

City/Town: Woburn

State: MA

ZIP Code: 01801

Telephone: 978 375 4611

Ext.: \_\_\_\_\_

Type of Facility:  
(check one)

☐ Asphalt Batch/Cold Mix

☐ Landfill/Disposal

☐ Incinerator

☐ Temporary Storage

☐ Asphalt Batch/Hot Mix

☒ Landfill/Daily Cover

☐ Other: \_\_\_\_\_

☐ Thermal Processing

☐ Landfill/Structural Fill

EPA Identification #: \_\_\_\_\_

Division of Hazardous Waste/Class A Permit #: \_\_\_\_\_

Division of Solid Waste Management Permit #: \_\_\_\_\_

ACON NE 954008

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): \_\_\_\_\_

to: \_\_\_\_\_

Reason for Temporary Storage: \_\_\_\_\_



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

N/A

☐ ☐

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued):

Temporary Storage Address:

Street:

City/Town:

State:

ZIP Code:

F. DESCRIPTION OF REMEDIATION WASTE:

(check all that apply)

- ☒ Contaminated Media (check all that apply): ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Other: \_\_\_\_\_
- ☒ Contaminated Debris (check all that apply): ☐ Vegetation or Organic Debris ☒ Incineration/Construction Waste
- ☐ Inorganic Absorbent Materials ☐ Other: \_\_\_\_\_
- ☐ Non-hazardous Uncontainerized Waste (check all that apply): ☐ Non-aqueous Phase Liquid ☐ Other: \_\_\_\_\_
- ☐ Non-hazardous Containerized Waste (check all that apply): ☐ Tank Bottoms/Sludges ☐ Containers ☐ Drums
- ☐ Engineered Impoundments ☐ Other: \_\_\_\_\_

Type of Contamination (check all that apply): ☐ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #5 Oil ☐ Waste Oil

☐ Kerosene ☐ Jet Fuel ☒ Other: LEAD, PAHs

Estimated Volume of Materials: Cubic Yards: 750 Tons: 1125 Other: \_\_\_\_\_

Contaminant Source (check one/each): ☐ Transportation Accident ☐ Underground Storage Tank ☒ Other: WASTE OIL

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☐ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☒ Other: N/A

Remediation Waste Characterization Support Documentation attached:

☐ Site History Information ☐ Sampling and Analytical Methods and Procedures ☒ Laboratory Data ☐ Field Screening Data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: ATC Associates Inc

LSP Name: Dennis P. Gustra

Title: Sr. Project Engineer

Telephone: 781-932-1400 ex: 306

I declare under the penalty of perjury that I am personally involved and am familiar with the 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  
(iii) the provisions of 309 CMR 4.02(5).

To the best of my knowledge, information and belief, the assessment actions undertaken to characterize the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such information is true, accurate, and complete, and such information is not false, misleading, or materially incomplete.

LSP Signature: Dennis P. Gustra

Seal:

Date: 12-16-02

License Number: 7051





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number

N/A

☐ - ☐

**H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:**

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification and that based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: \_\_\_\_\_

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

Name of Person (print): \_\_\_\_\_

JIM HENEBURY

RESPONSE ACTION NOT COVERED UNDER  
MILP. DISPOSAL OF HISTORIC FILL  
ABOVE S-1 CONDITIONS AND WITHIN  
UNLINED - LANDFILL SOIL - REUSE  
GUIDELINES FOR DAILY COVER MATERIAL.  
MATERIAL GENERATED UNDER CERCLA  
CLEANUP FOR U.S. ARMY CORPS OF  
ENGINEERS UNDER THE DEWENS LANDFILL  
REMEDIATION PROJECT (OSACE CONTRACT  
NO. DACW33-97-D-002, DELIVERY  
ORDER NO. 10).

GENERATOR INFO AS FOLLOWS:

US ARMY CORPS OF ENGINEERS  
50 MACARTHUR ROAD  
DEWENS, MA 01432  
(978) 772-0148

CONTACT: JOHN McIDWELL  
CONSTRUCTION REPRESENTATIVE





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

1/9 OF CARNEY #45

N/A ☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

12-20-02

Time of Shipment:

7:26

☒ AM ☐ PM

Truck/Tractor Registration:

37007

Trailer Registration (if any):

69797

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL B1

Date of Receipt:

12/20/02

Time of Receipt:

8:58

☒ AM ☐ PM

Load Size (cu. yds./tons):

40.11

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL B1

Date of Receipt:

12/20/02

Time of Receipt:

12:10

☒ AM ☐ PM

Load Size (cu. yds./tons):

28.86

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL B1

Date of Receipt:

12/20/02

Time of Receipt:

2:39

☐ AM ☒ PM

Load Size (cu. yds./tons):

33.77

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

102.74

Total Carried Forward (cu. yds./tons):

0

Total Carried Forward and This Page (cu. yds./tons):

102.74



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

219

OR

CARNEY #41

N/A

☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *[Signature]*

Date of Shipment: *12-20-02* Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: *50639* Trailer Registration (if any): *74041*

Receiving Facility/Temporary Storage Representative:

*WOBURN LANDFILL R*

Date of Receipt: *12/20/02* Time of Receipt: *8:33* ☒ AM ☐ PM

Load Size (cu. yds./tons): *35.71*

Load 2: Signature of Transporter Representative:

*[Signature]*

Date of Shipment: *12-20-02* Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: *50639* Trailer Registration (if any): *74041*

Receiving Facility/Temporary Storage Representative:

*WOBURN LANDFILL R*

Date of Receipt: *12/20/02* Time of Receipt: *11:03* ☒ AM ☐ PM

Load Size (cu. yds./tons): *35.94*

Load 3: Signature of Transporter Representative:

*[Signature]*

Date of Shipment: *12-20-02* Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: *50639* Trailer Registration (if any): *74041*

Receiving Facility/Temporary Storage Representative:

*WOBURN LANDFILL R*

Date of Receipt: *12/20/02* Time of Receipt: *1:21* ☐ AM ☒ PM

Load Size (cu. yds./tons): *35.98*

Load 4: Signature of Transporter Representative:

*[Signature]*

Date of Shipment: *12-20-02* Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: *50639* Trailer Registration (if any): *74041*

Receiving Facility/Temporary Storage Representative:

*WOBURN LANDFILL R*

Date of Receipt: *12/20/02* Time of Receipt: *1:21* ☐ AM ☒ PM

Load Size (cu. yds./tons): *35.98*

Load 5: Signature of Transporter Representative:

*[Signature]*

Date of Shipment: *12-20-02* Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: *50639* Trailer Registration (if any): *74041*

Receiving Facility/Temporary Storage Representative:

*WOBURN LANDFILL R*

Date of Receipt: *12/20/02* Time of Receipt: *1:21* ☐ AM ☒ PM

Load Size (cu. yds./tons): *35.98*

Load 6: Signature of Transporter Representative:

*[Signature]*

Date of Shipment: *12-20-02* Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: *50639* Trailer Registration (if any): *74041*

Receiving Facility/Temporary Storage Representative:

*WOBURN LANDFILL R*

Date of Receipt: *12/20/02* Time of Receipt: *1:21* ☐ AM ☒ PM

Load Size (cu. yds./tons): *35.98*

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

*107.63*

Total Carried Forward (cu. yds./tons):

*102.74*

Total Carried Forward and This Page (cu. yds./tons):

*210.37*



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 10.0030)

Release Tracking Number

SUMMARY SHEET

3/9

OF

CARNEY #50

N/A

□

-

□

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *Antônio Vazquez*

Date of Shipment: *12-20-02* Time of Shipment: *7:05*

☒ AM ☐ PM

Truck/Tractor Registration: *43006* Trailer Registration (if any): *09794*

Receiving Facility/Temporary Storage Representative:

*WOBURN LANDFILL*

Date of Receipt: *12/20/02* Time of Receipt: *8:37*

☒ AM ☐ PM

Load Size (cu. yds./tons): *40.83*

Load 2: Signature of Transporter Representative:

*Antônio Vazquez*

Date of Shipment: *12-20-02* Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: *43006* Trailer Registration (if any): *69794*

Receiving Facility/Temporary Storage Representative:

*WOBURN LANDFILL*

Date of Receipt: *12/20/02* Time of Receipt: *11:15*

☒ AM ☐ PM

Load Size (cu. yds./tons): *40.16*

Load 3: Signature of Transporter Representative:

*Antônio Vazquez*

Date of Shipment: *12-20-02* Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: *43006* Trailer Registration (if any): *69794*

Receiving Facility/Temporary Storage Representative:

*WOBURN LANDFILL*

Date of Receipt: *12/20/02* Time of Receipt: *1:47*

☐ AM ☒ PM

Load Size (cu. yds./tons): *37.63*

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

*118.62*

*210.37*

*328.99*





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

4/9

OF PARNEY #51

N/A

☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: [Signature]

Date of Shipment:

12-20-02

Time of Shipment:

7:15

☒ AM ☐ PM

Truck/Tractor Registration:

36075

Trailer Registration (if any):

74054

Receiving Facility/Temporary Storage Representative:

WOBLER LANDFILL

Date of Receipt:

12/20/02

Time of Receipt:

9:09

☒ AM ☐ PM

Load Size (cu. yds./tons):

3406

Load 2: Signature of Transporter Representative:

[Signature]

Date of Shipment:

12-20-02

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

36075

Trailer Registration (if any):

74054

Receiving Facility/Temporary Storage Representative:

WOBLER LANDFILL

Date of Receipt:

12/20/02

Time of Receipt:

1:24

☒ AM ☐ PM

Load Size (cu. yds./tons):

35.76

Load 3: Signature of Transporter Representative:

[Signature]

Date of Shipment:

12-20-02

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

36075

Trailer Registration (if any):

74054

Receiving Facility/Temporary Storage Representative:

WOBLER LANDFILL

Date of Receipt:

12/20/02

Time of Receipt:

☐ AM ☒ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

[Signature]

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

WOBLER LANDFILL

Date of Receipt:

12/20/02

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

[Signature]

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

WOBLER LANDFILL

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

[Signature]

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

WOBLER LANDFILL

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

67.82

Total Carried Forward (cu. yds./tons):

328.99

Total Carried Forward and This Page (cu. yds./tons):

398.81



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

5/9 OF

CARNEY #39

N/A

□ - □

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

12-20-02

Time of Shipment:

7:05

☒ AM ☐ PM

Truck/Tractor Registration:

32909

Trailer Registration (if any):

69796

Receiving Facility/Temporary Storage Representative:

WOBURN LAND FILL Rf

Date of Receipt:

12/20/02

Time of Receipt:

8:39

☒ AM ☐ PM

Load Size (cu. yds./tons):

36.92

Load 2:

Signature of Transporter Representative:

Date of Shipment:

12-20-02

Time of Shipment:

7:05

☒ AM ☐ PM

Truck/Tractor Registration:

32909

Trailer Registration (if any):

69796

Receiving Facility/Temporary Storage Representative:

WOBURN LAND FILL Rf

Date of Receipt:

12/20/02

Time of Receipt:

11:17

☒ AM ☐ PM

Load Size (cu. yds./tons):

38.47

Load 3:

Signature of Transporter Representative:

Date of Shipment:

12-20-02

Time of Shipment:

7:05

☒ AM ☐ PM

Truck/Tractor Registration:

32909

Trailer Registration (if any):

69796

Receiving Facility/Temporary Storage Representative:

WOBURN LAND FILL Rf

Date of Receipt:

12/20/02

Time of Receipt:

1:49

☐ AM ☒ PM

Load Size (cu. yds./tons):

33.65

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

109.04

398.81

507.85



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

6/9

OF

CARNEY #42

N/A

□

-

□

I. LOAD INFORMATION

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

104.69

307.85

612.54





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET

7/9

OF CARNEY #52

Release Tracking Number

N/A

□ - □

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

12/20/02

Signature of Transporter Representative:

Bob Marshall

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

39655

Trailer Registration (if any):

34492

Receiving Facility/Temporary Storage Representative:

Woburn Landfill

Date of Receipt:

12/20/02

Time of Receipt:

9:17

☒ AM ☐ PM

Load Size (cu. yds./tons):

35.52

Load 2:

Signature of Transporter Representative:

Bob Marshall

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

39655

Trailer Registration (if any):

34492

Receiving Facility/Temporary Storage Representative:

Woburn Landfill

Date of Receipt:

12/20/02

Time of Receipt:

12:11

☒ AM ☐ PM

Load Size (cu. yds./tons):

34.95

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Woburn Landfill

Date of Receipt:

12/20/02

Time of Receipt:

2:52

☐ AM ☒ PM

Load Size (cu. yds./tons):

34.76

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

105.23

612.54

717.77



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

8/9

OF

CARNEY #54

N/A

□ - □

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1: *M. S. Sullivan*

WOBURN LANDFILL Rf

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

12-20-02

7:10

☒ AM ☐ PM

12/20/02

9:15

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons): 36.65

Load 2: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

*M. S. Sullivan*

WOBURN LANDFILL Rf

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

12/20/02

12:06

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons): 36.73

Load 3: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

*M. S. Sullivan*

WOBURN LANDFILL Rf

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

12/20/02

3:05

☐ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons): 36.05

Load 4: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

*M. S. Sullivan*

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

109.43

717.77

827.20



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

9/9 OF CARNEY 144

N/A

☐ - ☐

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

12-20-02

Signature of Transporter Representative:

Time of Shipment:

7:51

☒ AM ☐ PM

Receiving Facility/Temporary Storage Representative:

Woburn Landfill B

Date of Receipt:

12/20/02

Time of Receipt:

9:27

☒ AM ☐ PM

Truck/Tractor Registration:

55573

Trailer Registration (if any):

Load Size (cu. yds./tons):

36.78

Load 2:

Signature of Transporter Representative:

Date of Shipment:

12/20/02

Time of Shipment:

☒ AM ☐ PM

Receiving Facility/Temporary Storage Representative:

Woburn Landfill B

Date of Receipt:

12/20/02

Time of Receipt:

12:28

☒ AM ☐ PM

Truck/Tractor Registration:

55573

Trailer Registration (if any):

Load Size (cu. yds./tons):

34.27

Load 3:

Signature of Transporter Representative:

Date of Shipment:

12/20/02

Time of Shipment:

2:12

☐ AM ☒ PM

Receiving Facility/Temporary Storage Representative:

Woburn Landfill B

Date of Receipt:

12/20/02

Time of Receipt:

3:12

☐ AM ☒ PM

Truck/Tractor Registration:

55573

Trailer Registration (if any):

Load Size (cu. yds./tons):

36.00

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

107.05

822.20

934.25





**BWSC-012C**

Release Tracking Number

☐ - ~~N/A~~

**Daily Volume Shipped  
(cu. yds./tons):**

[illegible]

AOC 9 to Woburn.



**Massachusetts Department of Environmental Protection**  
**Bureau of Waste Site Cleanup**

BWSC-12C

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number

**SUMMARY SHEET**

☐ - ☐

**ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET**

**I. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:**

Receiving Facility/Temporary Storage Representative (print):

Shela Bythwood

Title: Account Manager

Signature:

Shela A Bythwood

Date: 12/20/02

**II. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:**

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature:

Jim Henebury

Date:

2/14/03

Name of Person (print):

Jim Henebury

## **APPENDIX 8-B**

### **Off-Site Waste Disposal Profiles, Manifests and Bills of Lading – AOC 11**



**Suburban  
Scrap Iron & Steel**

200 V.F.W. HIGHWAY  
ROCKLAND, MA 02370  
1-0004 FAX (781) 356-4535

DATE 5/31

SELLER ☐  
BUYER ☐

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE MA ZIP \_\_\_\_\_

*Stone & Webster*

*AOC-11*

REMARKS: \_\_\_\_\_

TRUCK NO. \_\_\_\_\_ DRIVER ON ☐ OFF ☐ WEIGHED BY \_\_\_\_\_

WEIGHED BY  
TRUCK SCALE

Weighted From: 10001  
J.C. CONTRACTING  
2 RANDOLPH ST.  
ANDOVER

**Prolerized New England Co.**  
"Recycling Today for the Future"

69 Rover Street, P.O. 0048  
Everett, Massachusetts 02149  
Phone (617) 389-8300

*6/1*

WEIGHT	DATE	NET	ADJ. WEIGHT	DISPOSAL FEE
<div style="text-align: center;"><i>Stone &amp; Webster Lond</i></div> <div style="text-align: right;"><i>AOC-11</i></div> <div style="text-align: right;">DISPOSAL FEE</div>				

WEIGHMASTER SIGNATURE \_\_\_\_\_  
CUSTOMER SIGNATURE \_\_\_\_\_

*Suburban*  
**Scrap Iron & Steel**

200 V.F.W. HIGHWAY  
ROCKLAND, MA 02370  
0004 FAX (781) 356-4535

35748

DATE 6/5

SELLER

BUYER


*Jay Swanson*

ADDRESS

CITY

STATE

11:05 15  
06-25-01  
ZIP-01

9 41 08671

10-20-99

7211

59240 15 197081

51571

*STIMP*  
*+*

9 41 00123

10-20-99

7211

*Webster*

110740

59680

51060

AOC-11

REMARKS:

TRUCK NO.

DRIVER ON

☐

OFF

☐

WEIGHED BY

sales slip

## KONAN TRUCKING, INC.

6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME	Stone + Webster	DATE	4-11-02
ADDRESS			

ADDRESS Deven's Landfill  
Trailer Loads of Stumps out

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.[illegible]

thank you!

**NETS** To Register:  
800-225-6380 or [nets.com](http://nets.com)



sales slip


## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME	Stone + Webster	DATE	4-11-02
ADDRESS			

ADDRESS Deven's LandFill  
Trailer Loads of Stumps out

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐

QTY.	DESCRIPTION	AMOUNT
3 <sup>00</sup>	Rounds	
3 <sup>60</sup>	Heller	
	6 <sup>00</sup> Stamps at	
	A.O.C.M.	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32668	TOTAL	

thank you!

**NEBS** To Reorder:  
800-225-6380 or [nebs.com](http://nebs.com)

## **APPENDIX 8-C**

### **Off-Site Waste Disposal Profiles, Manifests and Bills of Lading – AOC 40**



# THOMPSON ENTERPRISES, INC.

130 WINDSOR ROAD  
SOUTH CHINA, ME 04358  
Tel. 207-445-2500

A 1330

DATE 2-13-02

TIME

PRODUCT Stumps

PRODUCER Stone & Webster

MATCHING  
SLIP NO.

TOWN Ft. Devens MA

DESTINATION Smithfield, REAT

MATCHING  
SLIP NO.

TOWN Smithfield, R.I.

YARDS 1-T/C

WEIGHT (Gross) 75160

(Tare)

NET WEIGHT

ADDITIONAL INFORMATION 4 hrs wait time

1 Ld Stumps

TRUCKER Hurd #94

DRIVER Andy

RECEIVED BY

KL Pfeiffer





THOMPSON ENTERPRISES, INC.

130 WINDSOR ROAD  
SOUTH CHINA, ME 04358  
Tel. 207-445-2500

A 1248

DATE 2-13-02

TIME \_\_\_\_\_

PRODUCT Stumps

PRODUCER Stone-Webster

MATCHING  
SLIP NO. \_\_\_\_\_

TOWN Ft Devens MA

DESTINATION Smithfield Pond

MATCHING  
SLIP NO. \_\_\_\_\_

TOWN Smithfield RI

YARDS \_\_\_\_\_

WEIGHT (Gross) \_\_\_\_\_ (Tare) \_\_\_\_\_

NET WEIGHT \_\_\_\_\_

ADDITIONAL INFORMATION \_\_\_\_\_

TRUCKER Dolan / KB

DRIVER Tim

RECEIVED BY [Signature]



# THOMPSON ENTERPRISES, INC.

130 WINDSOR ROAD  
SOUTH CHINA, ME 04358  
Tel. 207-445-2500

A 1232

DATE 2-14-02

TIME 12:30 PM  
05:35 PM

PRODUCT Stumps

PRODUCER \_\_\_\_\_

MATCHING  
SLIP NO. \_\_\_\_\_

TOWN FT. DEAN

DESTINATION Smithfield

MATCHING  
SLIP NO. \_\_\_\_\_

TOWN Smithfield RI

YARDS 1 land Stumps

WEIGHT (Gross) \_\_\_\_\_ (Tare) \_\_\_\_\_

NET WEIGHT \_\_\_\_\_

ADDITIONAL INFORMATION \_\_\_\_\_

TRUCKER KD corp 86 7 334

DRIVER Wage

RECEIVED BY \_\_\_\_\_



**THOMPSON ENTERPRISES, INC.**

130 WINDSOR ROAD  
SOUTH CHINA, ME 04358  
Tel. 207-445-2500

**A 1331**

DATE 2-14-02 TIME \_\_\_\_\_

PRODUCT Stumps

PRODUCER Stone & Webster MATCHING SLIP NO. \_\_\_\_\_

TOWN Ft Deven's Mass

DESTINATION Smith Field Rd MATCHING SLIP NO. \_\_\_\_\_

TOWN Smith Field Rd

YARDS 1 7/2

WEIGHT (Gross) \_\_\_\_\_ (Tare) \_\_\_\_\_

NET WEIGHT \_\_\_\_\_

ADDITIONAL INFORMATION \_\_\_\_\_

2 hrs wait time

TRUCKER Harold # 94

DRIVER Andy

RECEIVED BY KEE KOR





**THOMPSON ENTERPRISES, INC.**

130 WINDSOR ROAD  
SOUTH CHINA, ME 04358  
Tel. 207-445-2500

**A 1334**

DATE 2-14-62

TIME \_\_\_\_\_

PRODUCT Stumps

PRODUCER Stone & Webster

MATCHING  
SLIP NO. \_\_\_\_\_

TOWN F. Deers MA

DESTINATION Smithfield

MATCHING  
SLIP NO. \_\_\_\_\_

TOWN Smithfield RI

YARDS \_\_\_\_\_

WEIGHT (Gross) \_\_\_\_\_ (Tare) \_\_\_\_\_

NET WEIGHT \_\_\_\_\_

ADDITIONAL INFORMATION \_\_\_\_\_

TRUCKER D. O'Neil / K.R.

DRIVER Line

RECEIVED BY \_\_\_\_\_

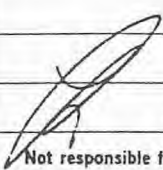

NEBS ship

**KONAN TRUCKING, INC.**

6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME	STONE & WEBSTER	DATE	8-02
ADDRESS	FORT DEVELUS		

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐

QTY	DESCRIPTION	AMOUNT
14	Loads STUMPS	
	AOC - 40	
	Rounds 7	
	HELLER 7	
		
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32201	TOTAL	

Thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

# sales slip

## KONAN TRUCKING, INC.

6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME *Stoke & Webster* DATE *4/9/02*  
ADDRESS *FORT DEVENS*

☐ CASH ☐ CHARGE ☐ C.O.D. ☐ ON ACCT. ☐ MDSE. RETD. ☐

QTY	DESCRIPTION	AMOUNT
<i>14</i>	<i>LOADS STUMPS</i>	
	<i>AOC-40</i>	
	<i>ROADS 7</i>	
	<i>HELLER 7</i>	
	<i>D. C. C.</i>	
Not responsible for damage beyond curb line.		
RECEIVED BY	TAX	
<i>32202</i>	TOTAL	

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com



சென்னை சிபி

## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

6 Farnum Street

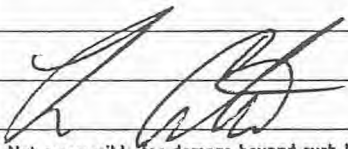
S. GRAFTON, MA 01560

**Office (508) 839-5675**

**PAGER (508) 327-5675**

NAME	Stone + Webster	DATE	4-10-02
ADDRESS	Devens Landfill		
	Trailer Loads Stumps out		

☐ CASH    ☐ CHARGE    ☐ C.O.D.    ☐ ON ACCT.    ☒ MDSE. RETD.    ☐

CITY	DESCRIPTION	AMOUNT
	Rounds	
	Heiler	
	AOC-40	
	5 Stamps	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32666	TOTAL	

Not responsible for damage beyond curb line.

RECEIVED BY

TAX

32666

TOTAL

Thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

# KONAN TRUCKING, INC.

6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME Stone + Webster DATE 4-16-02

ADDRESS Devens

Trailer Loads of Stumps cut

☐ CASH ☐ CHARGE ☐ C.O.D. ☐ ON ACCT. ☐ MOSE. RETD. ☐

☐ CASH    ☐ CHARGE    ☐ C.O.D.    ☐ ON ACCT.    ☐ MDSE. RETD.

QTY	DESCRIPTION	AMOUNT
4	Rounds	
4	Heller	
	AOC-40	
	8 LWS Stumps Hauld out	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY		TAX
32671		TOTAL

[illegible]

**NEBS** To Reorder:  
800-225-6380 or nebs.com






**KONAN TRUCKING, INC.**  
 6 Farnum Street  
 S. GRAFTON, MA 01560  
 Office (508) 839-5675  
 PAGER (508) 327-5675

NAME <i>Stone + Webster</i>	DATE <i>5/10/02</i>
ADDRESS <i>Devers</i>	

☐ CASH 
 ☐ CHARGE 
 ☐ C.O.D. 
 ☐ ON ACCT. 
 ☐ MDSE. RETD. 
 ☐

QTY	DESCRIPTION	AMOUNT
	<i>Trailer Service</i>	
	<i>Heller</i>	
	<i>6 Stumps out</i>	
	<i>of site 40.</i>	
	<i>[Signature]</i>	
Not responsible for damage beyond curb line.		
RECEIVED BY	TAX	
<b>31553</b>	<b>TOTAL</b>	

Thank You!

 To Reorder:  
 800-225-6380 or nebs.com

SALES SLIP

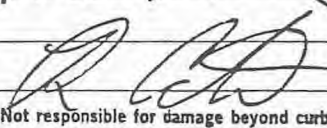
# KONAN TRUCKING, INC.

6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME STONE & WEBSTER DATE 5-13-02

ADDRESS  
A.O.C. 40

☐ CASH ☐ CHARGE ☐ C.O.D. ☐ ON ACCT. ☐ MDSE. RETD. ☐

QTY	DESCRIPTION	AMOUNT
	1 LD STUMPS	
	1 LA STUMPS	
	1 LD STUMPS	
	1 LD STUMPS	
	1 LD STUMPS	
	1 LD STUMPS	
	1 LD STUMPS	
	7 LBS Total	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32425	TOTAL	

thank you!

NEBS To Reorder:  
800-225-6380 or nebs.com


## sales slip

## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME	STONE + WEBSTER	DATE	5-16-02
ADDRESS	- STUMPS - SITE 40		

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐ \_\_\_\_\_

QTY	DESCRIPTION	AMOUNT
5	CASEY	
2	ARCUDI	7
		
Not responsible for damage beyond curb line.		
RECEIVED BY		TAX
32740		TOTAL

Not responsible for damage beyond curb line.

RECEIVED BY

TAX

32740

TOTAL

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com



# KONAN TRUCKING, INC.

6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME	STONE & WEBSTER	DATE	5-20-0
ADDRESS	DEVENS		
AOC 40			

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME	STONE E. WEBSTER	DATE	5-20-02
ADDRESS	DEVENS		
	AOC 40		

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐[illegible]

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

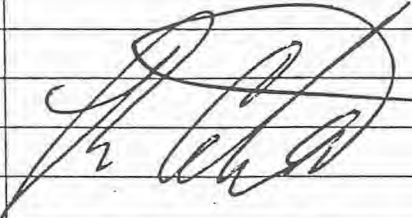
# sales slip

## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME	STONE & WEBSTER	DATE	5-23-02
ADDRESS	DEVENUS AOC 40		

☐ CASH    ☐ CHARGE    ☐ C.O.D.    ☐ ON ACCT.    ☐ MDSE. RETD.    ☐

QTY	DESCRIPTION	AMOUNT
	STUMPS	
	CASEY ARLOVI	
	III III	
	TOTAL 10 LBS. STUMPS	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32430	TOTAL	

===== thank you! =====

**NEBS** To Reorder:  
800-225-6380 or nebs.com

# Sales slip

## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**


NAME STONE & WEBSTER

DATE 5-28-02

ADDRESS DE VENS

AOC 40

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐

QTY	DESCRIPTION	AMOUNT
	STUMPS	
CASEY	BURKE	
111	111	
	6 LBS TOTAL	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32438	TOTAL	

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com



**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME	STONE & WEBSTER	DATE	6-4-02
ADDRESS	DEVEN'S AOC 40		

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐[illegible]

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

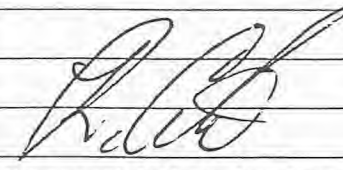
# SALES SLIP

## KONAN TRUCKING, INC.


6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME	STONE & WEBSTER	DATE	6-5-02
ADDRESS	AOC 40 DEVERNS		

☐ CASH 
 ☐ CHARGE 
 ☐ C.O.D. 
 ☐ ON ACCT. 
 ☐ MDSE. RETD. 
 ☐

QTY.	DESCRIPTION	AMOUNT
	TRAILER LOADS STUMPS OUT	
	CASEY 3 LDS	
	HELLER 3 LDS	
	TOTAL 6 LDS	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32450	TOTAL	

Thank you!

 To Reorder:  
800-225-6380 or nebs.com

[illegible]

Thank you!


**NEBS** To Reorder:  
800-225-6380 or nebs.com



**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME	STONE & WEBSTER	DATE	7-3-02
ADDRESS	DREWEINS AOC 40		
TRAILER LOADS STUMPS OUT			

☐ CASH    ☐ CHARGE    ☐ C.O.D.    ☐ ON ACCT.    ☐ MDSE. RETD.    ☐ \_\_\_\_\_

CITY	DESCRIPTION	AMOUNT
	CASKEY 4 LBS	
	LAPAN 4 LBS	
	TOTAL 8 LBS	
		
Not responsible for damage beyond curb line.		
RECEIVED BY	TAX	
32491	TOTAL	

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

SALES SLIP

**KONAN TRUCKING, INC.**

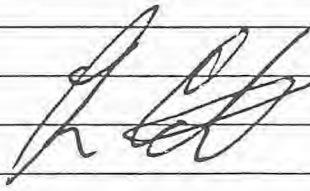
6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME STONE & WEBSTER DATE 7-15-02

ADDRESS DEVENS AOC 40

TRAILER LOADS STUMPS OUT

☐ CASH ☐ CHARGE ☐ C.O.D. ☐ ON ACCT. ☐ MDSE. RETD. ☐

QTY	DESCRIPTION	AMOUNT
	CASEY 3 LBS	
	BURKE 3 LBS	
	TOTAL 6 LBS	
		
Not responsible for damage beyond curb line.		
RECEIVED BY	TAX	
33035	TOTAL	

Thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

**KONAN TRUCKING, INC.**  
6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME STONE & WEBSTER	DATE 07/18/02
ADDRESS PELEAS LANDFILL	

☐ CASH    ☐ CHARGE    ☐ C.O.D.    ☐ ON ACCT.    ☐ MDSE. RETD.    ☐ \_\_\_\_\_[illegible]

Thank You!

**NEPS** To Reorder:  
800-225-6380 or [neps.com](http://neps.com)



## sales slip

## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME	STONE & WEBSTER	DATE	7-22-02
------	-----------------	------	---------

ADDRESS  
DIENING AOC 40

TRAILER LOADS STUMPS OUT

☐ CASH    ☐ CHARGE    ☐ C.O.D.    ☐ ON ACCT.    ☐ MDSE. RETD.    ☐[illegible]

Not responsible for damage beyond curb line.

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

## sales slip

## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME	STONE & WEBSTER	DATE	7-29-02
ADDRESS	DEVENS AOC 40 TRAILER LOADS STUMPS OUT		

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐[illegible]

Thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com







# sales slip

## KONAN TRUCKING, INC.


6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME <i>STONE &amp; WEBSTER</i>	DATE <i>08/14/07</i>
ADDRESS <i>DEVELOP JOIS</i>	
<i>SITE 40</i>	

☐ CASH ☐ CHARGE ☐ C.O.D. ☐ ON ACCT. ☐ MDSE. RETD. ☐

QTY.	DESCRIPTION	AMOUNT
	<i>STUMP DISPOSAL</i>	
	<i>TOTAL LOADS 8</i>	
	<i>[Signature]</i>	
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32137	TOTAL	

thank you!

 To Reorder:  
800-225-6380 or nebs.com

sales slip

## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

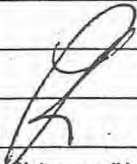

JOHNS & WEBSTER

DATE 08/15/02

DEIBNS JOB

STB 40

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐

QTY.	DESCRIPTION	AMOUNT
	STUMP DISPOSAL	
	TOTAL LOADS 8	
		
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32138	TOTAL	

Not responsible for damage beyond curb line.

## TAX

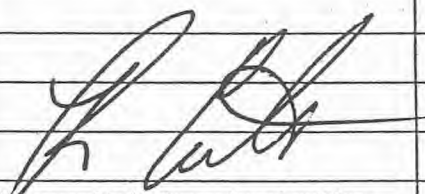
TOTAL

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com



**KONAN TRUCKING, INC.**  
14 Village Circle  
MILFORD, MA 01757  
Office (508) 478-5210  
PAGER (508) 327-5675

QTY.	DESCRIPTION	AMOUNT
	CASEY TRAILER LOADS STUMPS OUT 7 LBS TOTAL	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
33766	TOTAL	

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

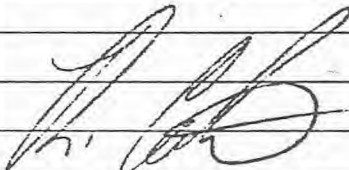
## sales slip

... ..

14 Village Circle  
MILFORD, MA 01757  
Office (508) 475-1216  
FACER (508) 327-5575

NAME	STONE & WEBSTER	DATE	8-20-02
ADDRESS	DEVENS AUC 40		

☐ CASH    ☐ CHARGE    ☐ C.O.D.    ☐ ON ACCT.    ☐ MDSE. RETD.    ☐

QTY.	DESCRIPTION	AMOUNT
	CASE 4	
	TRAILER LOADS STUMPS OUT	
	6 LDS TOTAL	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
33768	TOTAL	

thank you!


**NEBS** To Reorder:  
800-225-6380 or [nebs.com](http://nebs.com)



**14 Village Circle  
MILFORD, MA 01757  
Office (508) 478-5210  
PAGER (508) 327-5675**

NAME	STONE & WEBSTER	DATE	8-27-02
ADDRESS	DEVENS AOC 40		
TRAILER LOADS STUMPS OUT			

☐ CASH    ☐ CHARGE    ☐ C.O.D.    ☐ ON ACCT.    ☐ MDSE. RETD.    ☐ \_\_\_\_\_[illegible]

thank you! 

**NEBS** To Reorder:  
800-225-6330 or [nebs.com](http://nebs.com)

1

**14 Village Circle  
MILFORD, MA 01757  
Office (508) 478-5210  
PAGER (508) 327-5675**

NAME	STONE & WEBSTER	DATE	8-28-02
ADDRESS	DISSENS ACC 40		
	TRAILER LOADS STUMPS OUT		

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐

QTY	DESCRIPTION	AMOUNT
CASEY # LOS STUMPS		
RCTO		
Not responsible for damage beyond curb line.		
RECEIVED BY	TAX	
33784	TOTAL	

Thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

sales slip

## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME \_\_\_\_\_

NAME STONE & WEBSTER

DATE \_\_\_\_\_

DATE 08/29/02

ADDRESS

ADDRESS DEVELOPS

## STUMP DISPOSAL

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MOSE. RETD.   ☐

QTY	DESCRIPTION	AMOUNT
	TOTAL LWS II	
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32146	TOTAL	

Not responsible for damage beyond curb line.

RECEIVED BY

TAX

32146

**TOTAL**

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com



## sales slip

## KONAN TRUCKING, INC.


**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME STONE & WEBSTER

DATE 9-24-02

ADDRESS NEVENS LAND FILL

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐

QTY	DESCRIPTION	AMOUNT
	STUMPS OUT AOC 40	
	5 LOADS	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32178	TOTAL	

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

## sales slip

## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME \_\_\_\_\_

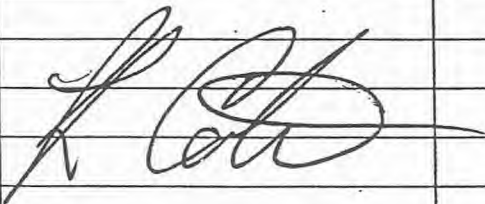
NAME Stone & Webster

DATE 9-5-02

ADDRESS

ADDRESS Owens Landfill

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐

QTY	DESCRIPTION	AMOUNT
	7 LOADS STUMPS OUT	
		
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32181	TOTAL	

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

# sales slip

## KONAN TRUCKING, INC.

6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME

*Stone & Webster*

DATE

*9/6/02*

ADDRESS

*Dexter Lowell*

☐ CASH ☐ CHARGE ☐ C.O.D. ☐ ON ACC. ☐ MDSE. RETD. ☐

QTY.	DESCRIPTION	AMOUNT
	<i>9 Load Dump Out</i>	
	<i>Arcodi 4</i>	
	<i>Ever Ready 5</i>	
	<i>[Signature]</i>	
	Not responsible for damage beyond curb line.	
RECEIVED BY	TAX	
32499	TOTAL	

thank you!

**NETS** To Reorder:  
800-225-6380 or nets.com



# sales slip

## KONAN TRUCKING, INC.

**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

NAME \_\_\_\_\_

NAME StoPE + Webster

DATA

DATE 9-9-02

ADDRESS

ADDRESS Penovo Landfill

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐

QTY.

## DESCRIPTION

**AMOUNT**

9 LOADS STUMPS OUT

**Not responsible for damage beyond curb line.**

RECEIVED BY

TAX

32182

TOTAL

thank you!

**NEBS** To Reorder:  
800-225-6380 or nebs.com

# sales slip

KONAN TRUCKING, INC.

6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675

NAME	<i>Stone &amp; Webster</i>	DATE	<i>9/11/02</i>
ADDRESS	<i>Revere Landfill AOC 40</i>		

☐ CASH ☐ CHARGE ☐ C.O.D. ☐ ON ACCT. ☐ MDSE. RETD. ☐

QTY.	DESCRIPTION	AMOUNT
	<i>Load Stumps Out</i>	
	<i>A.O.C. 40</i>	
	<i>(5 Loads Total)</i>	
	<i>[Signature]</i>	
Not responsible for damage beyond curb line.		
RECEIVED BY	TAX	
32994	TOTAL	

thank you!

APPROX To Recorder  
RECORDED & INDEXED

## **Bills of Lading - Woburn**



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0800)

Release Tracking Number

N/A

A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:

Location (City/Town): Area of Interest 10 (A00-40)

Address: Boston Road

Location Act:

City/Town: Quincy

ZIP Code: 01864

Owner/Generator:

to:

Release Tracking Numbers Associated with this Bill of Lading:

Note: This Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, & Release Tracking Number is not needed.

B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

Name of Person: George A. Webster Construction, Inc.

Name of Contact: Jim Kenworthy

Title:

Address: 10 Jackson Road

City/Town: Quincy

State: MA

ZIP Code: 01862

Telephone: (617) 794-0800

Ext:

C. RELATIVE RESPONSIBILITY FOR RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:

RP or PRP: Specify: ☐ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP:

Agency, State or Local Government with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(f))

☒ Contractor: Contractor for Generator- US Army Corps of Engineers

If a person and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

D. TRANSPORTER OR COMMON CARRIER INFORMATION:

Transporter/Carrier Name: Cherry Bros. Trucking (DOT reg. # - 3271030)

Contact Person: Janice Farren

Title: Industrial Coordinator

Address: 1180 Broadway

City/Town: Raynham

State: MA

ZIP Code: 02767

Telephone: (508) 834-4071

Ext: 187

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:

Facility Name: Webster Municipal Landfill

Contact Person:

Title:

Address: 102 Merrimack Street

City/Town: Webster

State: MA

ZIP Code: 02767

Telephone: (978) 375-4611

Ext:

Type of Facility:  
(check one)

☐ Asphalt Batch/Cold Mix

☐ Asphalt Batch/Hot Mix

☐ Thermal Processing

☐ Landfill Disposal

☐ Landfill Daily Cover

☒ Landfill/Structural Fill

☐ Incinerator

☐ Other

☐ Temporary Storage

EPA Identification #:

Division of Hazardous Waste/Class A Permit #: MA

Division of Solid Waste Management Permit #:

ACC-NE 954008

Actual/Anticipated Period of Temporary Storage (specify dates if applicable):

to:

Reason for Temporary Storage:





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

N/A

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued): WATER FLORE  
Temporary Storage Address:  
Street: 15-35 COBBLER DRIVE - AFS RECYCLING, INC.  
City/Town: FITCHBURG State: MA ZIP Code: 01420

F. DESCRIPTION OF REMEDIATION WASTE

(check all that apply)

- ☒ Contaminated Media (check all that apply): ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Other: \_\_\_\_\_  
☒ Contaminated Debris (check all that apply): ☒ Vegetation or Organic Debris ☐ Demolition/Construction Waste  
☐ Inorganic Absorbent Materials ☐ Other: \_\_\_\_\_  
☐ Non-hazardous Uncontainerized Waste (check all that apply): ☐ Non-aqueous Phase Liquid ☐ Other: \_\_\_\_\_  
☐ Non-hazardous Containerized Waste (check all that apply): ☐ Tank Bottoms/Sludges ☐ Containers ☐ Drums  
☐ Engineered Impoundments ☐ Other: \_\_\_\_\_

Type of Contamination (check all that apply): ☐ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil  
☐ Kerosene ☐ Jet Fuel ☒ Other: As, Pb, PAHs, PESTICIDES

Estimated Volume of Materials: Cubic Yards: 4,500 Tons: 6,000 Other: \_\_\_\_\_

Contaminant Source (check one/specific): ☐ Transportation Accident ☐ Underground Storage Tank ☒ Other: HISTORIC FILL

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☐ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☒ Other: N/A

Remediation Waste Characterization Support Documentation attached:

☐ Site History Information ☐ Sampling and Analytical Methods and Procedures ☒ Laboratory Data ☐ Field Screening Data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: ATC Associates Inc.

LSP Name: Dennis P. Giustra Title: Senior Project Engineer

Telephone: 981-932-9400 Ext.: 306

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, 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  
(iii) the provisions of 309 CMR 4.03(5),

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I understand that significant penalties may result, including, but not limited to, possible fines and imprisonment, if I submit information which I know to be false, the content of materially incomplete.

LSP Signature: Dennis P. Giustra

Seal

Date: 12-18-02

License Number: 7051





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

N/A

☐ - ☐

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature:

*[Signature]*

Date:

12/10/02

Name of Person (print):

Jim Henebury

RESPONSE ACTION NOT CONSIDERED COVERED UNDER  
MCP. DISPOSAL OF HISTORIC FILL ABOVE S-1  
CONDITIONS AND WITHIN UNLINED-LANDFILL  
SOIL REUSE GUIDELINES FOR DAILY COVER MATERIAL  
MATERIAL GENERATED UNDER CRCLA CLEANUP FOR  
U.S. ARMY CORPS OF ENGINEERS UNDER THE  
DEVENS LANDFILL REMEDIATION PROJECT  
(CONTRACT NO. DACKW33-97-D-002, DELIVERY  
ORDER NO. 10).

GENERATOR INFORMATION AS FOLLOWS:

US ARMY CORPS OF ENGINEERS  
50 MACARTHUR ROAD  
DEVENS, MA 01432  
(978) 772-0148

CONTACT: JOHN McDOWELL  
CONSTRUCTION REPRESENTATIVE



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

1 OF 8

N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

12/27/02

Truck/Tractor Registration:

34675

Signature of Transporter Representative:

*[Signature]*

Time of Shipment:

☒ AM ☐ PM

Trailer Registration (if any):

34492

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt:

12/27

Time of Receipt:

9:26

☒ AM ☐ PM

Load Size (cu. yds./tons):

32.75

Load 2:

Date of Shipment:

12/27/02

Truck/Tractor Registration:

39655

Signature of Transporter Representative:

*[Signature]*

Time of Shipment:

☐ AM ☐ PM

Trailer Registration (if any):

34492

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt:

12/27

Time of Receipt:

12:41

☒ AM ☒ PM

Load Size (cu. yds./tons):

24.77

Load 3:

Date of Shipment:

12/27/02

Truck/Tractor Registration:

39655

Signature of Transporter Representative:

*[Signature]*

Time of Shipment:

☐ AM ☐ PM

Trailer Registration (if any):

34492

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt:

12/27

Time of Receipt:

2:47

☐ AM ☒ PM

Load Size (cu. yds./tons):

32.75

Load 4:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

90.27

Total Carried Forward (cu. yds./tons):

0

Total Carried Forward and This Page (cu. yds./tons):

90.27





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 2 OF 8

N/A ☐ - ☐

I. LOAD INFORMATION:		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:	<i>Antonio Vucuro</i>	Date of Shipment:	Time of Shipment:	WOBURN LANDFILL SK	Date of Receipt:
		12-27-02	8:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		12/27
Truck/Tractor Registration:	Trailer Registration (if any):			Time of Receipt:	
43006	69794			9:58 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
				Load Size (cu. yds./tons):	(53.22)
Load 2:	<i>Antonio Vucuro</i>	Date of Shipment:	Time of Shipment:	WOBURN LANDFILL SK	Date of Receipt:
		12-27-02	11:49 <input type="checkbox"/> AM <input type="checkbox"/> PM		12/27
Truck/Tractor Registration:	Trailer Registration (if any):			Time of Receipt:	
43006	69794			1:09 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
				Load Size (cu. yds./tons):	(25.74)
Load 3:	<i>Antonio Vucuro</i>	Date of Shipment:	Time of Shipment:		Date of Receipt:
		12-27	11:49 <input type="checkbox"/> AM <input type="checkbox"/> PM		12/27
Truck/Tractor Registration:	Trailer Registration (if any):			Time of Receipt:	
43006	69794			4:13 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM	
				Load Size (cu. yds./tons):	(35.63)
Load 4:		Date of Shipment:	Time of Shipment:		Date of Receipt:
			<input type="checkbox"/> AM <input type="checkbox"/> PM		
Truck/Tractor Registration:	Trailer Registration (if any):			Time of Receipt:	
				<input type="checkbox"/> AM <input type="checkbox"/> PM	
				Load Size (cu. yds./tons):	
Load 5:		Date of Shipment:	Time of Shipment:		Date of Receipt:
			<input type="checkbox"/> AM <input type="checkbox"/> PM		
Truck/Tractor Registration:	Trailer Registration (if any):			Time of Receipt:	
				<input type="checkbox"/> AM <input type="checkbox"/> PM	
				Load Size (cu. yds./tons):	
Load 6:		Date of Shipment:	Time of Shipment:		Date of Receipt:
			<input type="checkbox"/> AM <input type="checkbox"/> PM		
Truck/Tractor Registration:	Trailer Registration (if any):			Time of Receipt:	
				<input type="checkbox"/> AM <input type="checkbox"/> PM	
				Load Size (cu. yds./tons):	
J. LOG SHEET VOLUME INFORMATION:		Total Volume Recorded This Page (cu. yds./tons): 14.65			
		Total Carried Forward (cu. yds./tons): 90.27			
		Total Carried Forward and This Page (cu. yds./tons): 104.92			





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 3 OF 8

Release Tracking Number

N/A ☐ - ☐

<b>I. LOAD INFORMATION:</b> Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
<b>Load 1:</b>	<i>Eric Oliveira</i>	<i>Woburn Landfill SK</i>	
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
<i>12-27-02</i>	<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	<i>12/27</i>	<i>3:41</i> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
<i>32909</i>	<i>69796</i>	<i>(29.12)</i>	
<b>Load 2:</b> Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
<i>[Signature]</i>		<b>WOBURN LANDFILL SK</b>	
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
<i>12-27-02</i>	<input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	<i>12/27</i>	<i>12:56</i> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
<i>32909</i>	<i>69796</i>	<i>(29.47)</i>	
<b>Load 3:</b> Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
<i>[Signature]</i>		<b>WOBURN LANDEILL SK</b>	
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
<i>12-27-02</i>	<input type="checkbox"/> AM <input type="checkbox"/> PM	<i>12/27</i>	<i>4:20</i> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
<i>32909</i>	<i>69796</i>	<i>(32.29)</i>	
<b>Load 4:</b> Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
	<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
<b>Load 5:</b> Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
	<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
<b>Load 6:</b> Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
	<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons) *90.78*  
Total Carried Forward (cu. yds./tons): *184.90*  
Total Carried Forward and This Page (cu. yds./tons): *275.80*



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

4 OF 8

N/A

□ - □

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

81.50

81.79

275.80

357.30

357.59



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

5 OF 8

N/A

☐ - ☐

I. LOAD INFORMATION:		Receiving Facility/Temporary Storage Representative:	
Load 1:	Signature of Transporter Representative:	WOBURN LANDFILL SK	
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
12/27/07	<input type="checkbox"/> AM <input type="checkbox"/> PM	12/27	9:49 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
32908	69753	28.37	
Load 2:	Signature of Transporter Representative:	WOBURN LANDFILL SK	
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
12/27/07	<input type="checkbox"/> AM <input type="checkbox"/> PM	12/27	1:03 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
22598	69753	29.44	
Load 3:	Signature of Transporter Representative:	WOBURN LANDFILL SK	
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
12/27/07	<input type="checkbox"/> AM <input type="checkbox"/> PM	12/27	4:18 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
32908	69753	30.51	
Load 4:	Signature of Transporter Representative:		
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
	<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
Load 5:	Signature of Transporter Representative:		
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
	<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	
Load 6:	Signature of Transporter Representative:		
Date of Shipment:	Time of Shipment:	Date of Receipt:	Time of Receipt:
	<input type="checkbox"/> AM <input type="checkbox"/> PM		<input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):	

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 88.32  
Total Carried Forward (cu. yds./tons): 357.59  
Total Carried Forward and This Page (cu. yds./tons): 445.91





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 60 OF 8

Release Tracking Number

N/A ☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Time of Shipment:

12/27/02

820

☒ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

55573

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL SK

Date of Receipt:

Time of Receipt:

12/27

9:52

☒ AM

☐ PM

Load Size (cu. yds./tons):

27.46

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

12/27/02

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

55573

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL SK

Date of Receipt:

Time of Receipt:

12/27

12:47

☐ AM

☒ PM

Load Size (cu. yds./tons):

25.68

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

12/27/02

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

55573

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL SK

Date of Receipt:

Time of Receipt:

12/27

2:33

☐ AM

☒ PM

Load Size (cu. yds./tons):

28.32

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

81.46

445.91

445.91

527.26

527.26





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

7 OF 8

N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *Richard L. Marshall*

Date of Shipment: 12-26-08 Time of Shipment: ☒ AM ☐ PM

Truck/Tractor Registration: 36075 Trailer Registration (if any): 74054

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL SK

Date of Receipt: 12/27 Time of Receipt: 9:55 ☒ AM ☐ PM

Load Size (cu. yds./tons): 26.64

Load 2: Signature of Transporter Representative:

*Richard L. Marshall*

Date of Shipment: 12-26-08 Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: 36075 Trailer Registration (if any): 74054

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL SK

Date of Receipt: 12/27 Time of Receipt: 12:38 ☐ AM ☒ PM

Load Size (cu. yds./tons): 26.24

Load 3: Signature of Transporter Representative:

*Richard L. Marshall*

Date of Shipment: 12-26-08 Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: 36075 Trailer Registration (if any): 74054

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL SK

Date of Receipt: 12/27 Time of Receipt: 2:42 ☐ AM ☒ PM

Load Size (cu. yds./tons): 29.94

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 82.82

Total Carried Forward (cu. yds./tons): 527.37

Total Carried Forward and This Page (cu. yds./tons): 610.19



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET

8 OF 8

Release Tracking Number

N/A

□ - □

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

12-27-02

Time of Shipment:

10:00 AM

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

29658 MA

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL SK

Date of Receipt:

12/27

Time of Receipt:

10:00

☒ AM ☐ PM

Load Size (cu. yds./tons):

31.36

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

29658 MA

Receiving Facility/Temporary Storage Representative:

WOBURN LANDFILL SK

Date of Receipt:

12/27

Time of Receipt:

12:50

☐ AM ☒ PM

Load Size (cu. yds./tons):

26.63

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

57.99

Total Carried Forward (cu. yds./tons):

610.19

Total Carried Forward and This Page (cu. yds./tons):

668.01



**Massachusetts Department of Environmental Protection**  
*Bureau of Waste Site Cleanup*

**BWSC-012C**

**BILL OF LADING** (pursuant to 310 CMR 40.0030),

SUMMARY SHEET 1 OF 1

Release Tracking Number

☐ - ☐ N/A

**K. SUMMARY OF SHIPMENTS:**

**Date of Shipment:**

Date of Receipt:

**Number of Loads Shipped:**

**Daily Volume Shipped**  
(cu. yds./tons):

12	27	02
----	----	----

12 | 27 | 02

23

668.18 Tons

**Summary Sheet Total Shipped:**

23

668.18

**Bill of Lading Total Shipped  
(only if different):**

1

\_\_\_\_\_

AOC 40 to Woburn.



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-112C

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET

Release Tracking Number

☐ - ☒ N ☒ A

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

## L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print):

Sheila Bythewood

Title:

Account Manager

Signature:

Sheila A. Bythewood

Date:

12/27/02

## M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature:

Jim Henebury

Date:

2/14/03

Name of Person (print):

Jim Henebury



## **Bills of Lading - Brockton**



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number\*

N/A ☐ - ☐

**A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:**

Release Name (optional): Area of Concern 40 (AOC-40)

Street: Patton Road

Location Aid: Cold Spring Road

City/Town: Ayer

ZIP Code: 01432

Date/Period of Generation: 9/3/02

to:

1/17/03

ORIGINAL

Additional Release Tracking Numbers Associated with this Bill of Lading:

\* Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.

**B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

Name of Organization: Stone & Webster Construction, Inc.

Name of Contact: Jim Henebury

Title:

Street: 45 Patton Road

City/Town: Ayer

State: MA

ZIP Code: 01432

Telephone: (978) 284-0900

Ext.: 910

**C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

☐ RP or PRP Specify: ☐ Owner ☐ Operator ☐ Generator ☐ Transporter Other RP or PRP:

☐ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☒ Other Person: Contractor for Generator- US Army Corps of Engineers

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

**D. TRANSPORTER OR COMMON CARRIER INFORMATION:**

Transporter/Common Carrier Name: Carney Bros. Trucking (DOT reg. # - 3171030)

Contact Person: Janice Farren

Title: Industrial Coordinator

Street: 1958 Broadway

City/Town: Raynham

State: MA

ZIP Code: 02767

Telephone: (508) 824-4071

Ext.: 197

**E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:**

Operator/Facility Name: NELS- Thatcher Street Landfill

Contact Person: Janice Farren

Title: Industrial Coordinator

Street: Thatcher Street

City/Town: Brockton

State: MA

ZIP Code: 02128

Telephone: (508) 828-5075

Ext.:

Type of Facility:  
(check one)

☐ Asphalt Batch/Cold Mix

☐ Landfill/Disposal

☐ Incinerator

☐ Temporary Storage

☐ Asphalt Batch/Hot Mix

☒ Landfill/Daily Cover

☐ Other:

☐ Thermal Processing

☐ Landfill/Structural Fill

EPA Identification #:

Division of Hazardous Waste/Class A Permit #: NA

Division of Solid Waste Management Permit #: ACC-SE-01-4005

Actual/Anticipated Period of Temporary Storage (specify dates if applicable):

to:

son for Temporary Storage:



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

N/A

☐ ☐

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued):

WALTER FLORE

Temporary Storage Address:

Street: 15-35 CORBELL DRIVE - AKS RECYCLING, INC.

City/Town: FITCHBURG

State: MA

ZIP Code: 01420

F. DESCRIPTION OF REMEDIATION WASTE

(check all that apply)

☒ Contaminated Media (check all that apply): ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Other:

☒ Contaminated Debris (check all that apply): ☒ Vegetation or Organic Debris ☐ Demolition/Construction Waste  
☐ Inorganic Absorbent Materials ☐ Other:

☐ Non-hazardous Uncontainerized Waste (check all that apply): ☐ Non-aqueous Phase Liquid ☐ Other:

☐ Non-hazardous Containerized Waste (check all that apply): ☐ Tank Bottoms/Sludges ☐ Containers ☐ Drums  
☐ Engineered Impoundments ☐ Other:

Type of Contamination (check all that apply): ☐ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil  
☐ Kerosene ☐ Jet Fuel ☒ Other: AS, PB, PAHS, PESTICIDES

Estimated Volume of Materials: Cubic Yards: 4,500 Tons: 6,000 Other:

Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☒ Other: HISTORIC FILL

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☐ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☒ Other: N/A

Remediation Waste Characterization Support Documentation attached:

☐ Site History Information ☐ Sampling and Analytical Methods and Procedures ☒ Laboratory Data ☐ Field Screening Data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: ATC Associates Inc.

LSP Name: Dennis P. Giustra

Title: Senior Project Engineer

Telephone: 781-932-9400 Ext.: 306

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, 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

(iii) the provisions of 309 CMR 4.03(5).

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I understand 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.

LSP Signature: Dennis P. Giustra

Seal:

Date: 12-18-02



License Number: 7051



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

N/A

☐ - ☐

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature:

*[Signature]*

Date:

12/10/02

Name of Person (print):

Jim Henebury

RESPONSE ACTION NOT CONSIDERED COVERED UNDER  
MCP. DISPOSAL OF HISTORIC FILL ABOVE S-1  
CONDITIONS AND WITHIN UNLINED-LANDFILL  
SOIL REUSE GUIDELINES FOR DAILY COVER MATERIAL  
MATERIAL GENERATED UNDER CRCLA CLEANUP FOR  
U.S. ARMY CORPS OF ENGINEERS UNDER THE  
DEVENS LANDFILL REMEDIATION PROJECT  
(CONTRACT NO. DACW 33-97-D-002, DELIVERY  
ORDER NO. 10).

GENERATOR INFORMATION AS FOLLOWS:

US ARMY CORPS OF ENGINEERS  
50 MACARTHUR ROAD  
DEVENS, MA 01432  
(978) 772-0148

CONTACT: JOHN McDOWELL  
CONSTRUCTION REPRESENTATIVE





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

☐ - ☐ N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-7-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*Joe E. Marshall*

Time of Shipment:

7:45

☒ AM

☐ PM

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*BROCKTON LANDFILL*

*MC*

Date of Receipt:

1/07/03

Time of Receipt:

10:10

☒ AM

☐ PM

Load Size (cu. yds./tons):

27.49

Load 2:

Date of Shipment:

1-7-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*Joe E. Marshall*

Time of Shipment:

12:30

☐ AM

☒ PM

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*BROCKTON LANDFILL*

*MC*

Date of Receipt:

01/07/03

Time of Receipt:

2:50

☐ AM

☒ PM

Load Size (cu. yds./tons):

30.65

Load 3:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

58.14

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

58.14



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

T.K. #54  
BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

2 2  
[ ] - [ ] A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *John DeLuca*  
Date of Shipment: *1-7-03* Time of Shipment: *7:55* ☒ AM ☐ PM

Truck/Tractor Registration: *48932* Trailer Registration (if any): *69795-MH*

Receiving Facility/Temporary Storage Representative:

*BROCKTON LANDFILL* *ML*

Date of Receipt: *1/07/03* Time of Receipt: *10:06* ☐ AM ☒ PM

Load Size (cu. yds./tons): *30.61*

Load 2: Signature of Transporter Representative:

*John DeLuca*  
Date of Shipment: *1-7-03* Time of Shipment: *1:30* ☐ AM ☒ PM

Truck/Tractor Registration: *48932* Trailer Registration (if any): *69795-MH*

Receiving Facility/Temporary Storage Representative:

*BROCKTON LANDFILL* *ML*

Date of Receipt: *01/07/03* Time of Receipt: *2:43* ☐ AM ☒ PM

Load Size (cu. yds./tons): *431.73*

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

II. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

*62.34*

*58.14*

*120.48*



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

☐ - ☐ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *A.F. Kern Trucking*

Date of Shipment:

*Jan 8, 03*

Time of Shipment:

*7:30*

☒ AM ☐ PM

Truck/Tractor Registration:

*55228*

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

*BRACKTON CAMPUS M*

Date of Receipt:

*01/08/03*

Time of Receipt:

*10:31*

☐ AM ☒ PM

Load Size (cu. yds./tons):

*#28.02*

Load 2: Signature of Transporter Representative:

*A.F. Kern*

Date of Shipment:

*Jan 8, 03*

Time of Shipment:

*12:15*

☐ AM ☒ PM

Truck/Tractor Registration:

*55228*

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

*BRACKTON LA M*

Date of Receipt:

*01/08/03*

Time of Receipt:

*3:17*

☐ AM ☒ PM

Load Size (cu. yds./tons):

*31.58*

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

*59.60*

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

*59.60*





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

T.K. #54

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

2 OF 4

□ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *[Signature]*

Date of Shipment: Time of Shipment:

1-8-03 7:50 ☒ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

68932 69795MA

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt: Time of Receipt:

01/08/03 10:34 ☐ AM ☒ PM

Load Size (cu. yds./tons):

28.38

Load 2: Signature of Transporter Representative:

*[Signature]*

Date of Shipment: Time of Shipment:

1-8-03 1:30 ☐ AM ☒ PM

Truck/Tractor Registration: Trailer Registration (if any):

68932 69795MA

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt: Time of Receipt:

01/08/03 3:11 ☐ AM ☒ PM

Load Size (cu. yds./tons):

34.44

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons)

Total Carried Forward and This Page (cu. yds./tons)

62.82

59.60

122.42





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

3

OF

4

☐ - ☐ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-8-03

Time of Shipment:

2:35

☒ AM ☐ PM

Truck/Tractor Registration:

#209

Trailer Registration (if any):

#27.76

Receiving Facility/Temporary Storage Representative:

BRACKTON LANDFILL PM

Date of Receipt:

01/08/03

Time of Receipt:

10:24

☒ AM ☐ PM

Load Size (cu. yds./tons):

27.76

Load 2: Signature of Transporter Representative:

Load 2:

Date of Shipment:

1-8-03

Time of Shipment:

12:53

☐ AM ☒ PM

Truck/Tractor Registration:

#209

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

BRACKTON Landfill (AF)

Date of Receipt:

01/08/03

Time of Receipt:

302

☐ AM ☒ PM

Load Size (cu. yds./tons):

33.21

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

60.97

122.42

183.39



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 4 OF 4

☐ - ☐ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-8-03

Time of Shipment:

7:30

☒ AM ☐ PM

Truck/Tractor Registration:

50569

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL M

Date of Receipt:

01/08/03

Time of Receipt:

10:27

☐ AM ☒ PM

Load Size (cu. yds./tons):

#27.70

Load 2: Signature of Transporter Representative:

Date of Shipment:

1-8-03

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

50569

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL M

Date of Receipt:

01/08/03

Time of Receipt:

3:00

☐ AM ☐ PM

Load Size (cu. yds./tons):

32.71

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

60.41

Total Carried Forward (cu. yds./tons):

183.39

Total Carried Forward and This Page (cu. yds./tons):

243.80



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

☐ - NA

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment: 1-9-03 Time of Shipment: 7:00

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

20250

62915

Receiving Facility/Temporary Storage Representative:

BRACKEN LINDEN

Date of Receipt:

Time of Receipt:

1/9/03

10:17

☐ AM ☐ PM

Load Size (cu. yds./tons):

30.89

Load 2: Signature of Transporter Representative:

Date of Shipment: 1-9-03 Time of Shipment: 12:35

☐ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

20250

62915

Receiving Facility/Temporary Storage Representative:

BRACKEN LINDEN

Date of Receipt:

Time of Receipt:

1-9-03

3:14

☐ AM ☒ PM

Load Size (cu. yds./tons):

31.57

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

62.46

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

62.46





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

2 OF 10

☐ - ☒ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-9-2003

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

29380 MA

Trailer Registration (if any):

10347 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1-9-03

Time of Receipt:

10:17

☒ AM ☐ PM

Load Size (cu. yds./tons):

31.02

Load 2: Signature of Transporter Representative:

Date of Shipment:

1-9-2002

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

29380 MA

Trailer Registration (if any):

10347 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1-9-03

Time of Receipt:

3:11

☐ AM ☒ PM

Load Size (cu. yds./tons):

29.01

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

60.01

Total Carried Forward (cu. yds./tons):

62.46

Total Carried Forward and This Page (cu. yds./tons):

122.47





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

3 OF 10

□ - N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-9-03

Truck/Tractor Registration:

20781

Signature of Transporter Representative:

Mike Guinto

Time of Shipment:

7:08

☒ AM ☐ PM

Trailer Registration (if any):

29858

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1/9/03

Time of Receipt:

10:14

☐ AM ☐ PM

Load Size (cu. yds./tons):

36.61

Load 2:

Signature of Transporter Representative:

Mike Guinto

Date of Shipment:

1-9-03

Truck/Tractor Registration:

20781

Time of Shipment:

12:27

☐ AM ☒ PM

Trailer Registration (if any):

29858

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1/9/02

Time of Receipt:

3:00

☐ AM ☒ PM

Load Size (cu. yds./tons):

32.63

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

69.24

Total Carried Forward (cu. yds./tons)

122.47

Total Carried Forward and This Page (cu. yds./tons)

191.71



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 4 OF 10

☐ - N/A

**I. LOAD INFORMATION:** Signature of Transporter Representative: Wm Sublette  
Load 1: Wm Sublette Receiving Facility/Temporary Storage Representative: BROCKTON LANDFILL  
Date of Shipment: 1-9-02 Time of Shipment: 6:35 ☒ AM ☐ PM Date of Receipt: 1/9/03 Time of Receipt: 9:52 ☒ AM ☐ PM  
Truck/Tractor Registration: 48932 Trailer Registration (if any): 69755 MA Load Size (cu. yds./tons): 32.00

Signature of Transporter Representative: Wm Sublette  
Load 2: Wm Sublette Receiving Facility/Temporary Storage Representative: BROCKTON LANDFILL  
Date of Shipment: 1-9-02 Time of Shipment: 11:45 ☐ AM ☒ PM Date of Receipt: 1/9/03 Time of Receipt: 2:18 ☐ AM ☒ PM  
Truck/Tractor Registration: 48932 Trailer Registration (if any): 69755 MA Load Size (cu. yds./tons): 35.29

Signature of Transporter Representative: \_\_\_\_\_  
Load 3: \_\_\_\_\_ Receiving Facility/Temporary Storage Representative: \_\_\_\_\_  
Date of Shipment: \_\_\_\_\_ Time of Shipment: \_\_\_\_\_ ☐ AM ☐ PM Date of Receipt: \_\_\_\_\_ Time of Receipt: \_\_\_\_\_ ☐ AM ☐ PM  
Truck/Tractor Registration: \_\_\_\_\_ Trailer Registration (if any): \_\_\_\_\_ Load Size (cu. yds./tons): \_\_\_\_\_

Signature of Transporter Representative: \_\_\_\_\_  
Load 4: \_\_\_\_\_ Receiving Facility/Temporary Storage Representative: \_\_\_\_\_  
Date of Shipment: \_\_\_\_\_ Time of Shipment: \_\_\_\_\_ ☐ AM ☐ PM Date of Receipt: \_\_\_\_\_ Time of Receipt: \_\_\_\_\_ ☐ AM ☐ PM  
Truck/Tractor Registration: \_\_\_\_\_ Trailer Registration (if any): \_\_\_\_\_ Load Size (cu. yds./tons): \_\_\_\_\_

Signature of Transporter Representative: \_\_\_\_\_  
Load 5: \_\_\_\_\_ Receiving Facility/Temporary Storage Representative: \_\_\_\_\_  
Date of Shipment: \_\_\_\_\_ Time of Shipment: \_\_\_\_\_ ☐ AM ☐ PM Date of Receipt: \_\_\_\_\_ Time of Receipt: \_\_\_\_\_ ☐ AM ☐ PM  
Truck/Tractor Registration: \_\_\_\_\_ Trailer Registration (if any): \_\_\_\_\_ Load Size (cu. yds./tons): \_\_\_\_\_

Signature of Transporter Representative: \_\_\_\_\_  
Load 6: \_\_\_\_\_ Receiving Facility/Temporary Storage Representative: \_\_\_\_\_  
Date of Shipment: \_\_\_\_\_ Time of Shipment: \_\_\_\_\_ ☐ AM ☐ PM Date of Receipt: \_\_\_\_\_ Time of Receipt: \_\_\_\_\_ ☐ AM ☐ PM  
Truck/Tractor Registration: \_\_\_\_\_ Trailer Registration (if any): \_\_\_\_\_ Load Size (cu. yds./tons): \_\_\_\_\_

OG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 67.29  
Total Carried Forward (cu. yds./tons): 191.71  
Total Carried Forward and This Page (cu. yds./tons): 259.00



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

5 OF 10

☐ - ☒ N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-9-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*Joe E. Marshall*

Time of Shipment:

6:30

☒ AM ☐ PM

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*BROCKTON LANDFILL*

Date of Receipt:

1/9/03

Time of Receipt:

9:39

☐ AM ☒ PM

Load Size (cu. yds./tons):

30.49

Load 2:

Date of Shipment:

1-9-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*Joe E. Marshall*

Time of Shipment:

11:30

☒ AM ☐ PM

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*BROCKTON LANDFILL*

Date of Receipt:

1/9/03

Time of Receipt:

2:15

☐ AM ☒ PM

Load Size (cu. yds./tons):

31.61

Load 3:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

62.10

Total Carried Forward (cu. yds./tons)

259.00

Total Carried Forward and This Page (cu. yds./tons)

321.10



CARNEY 42 #1



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

6 OF 10

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: John S.

Date of Shipment:

Time of Shipment:

1-9-03 630 ☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

32908 69793

Receiving Facility/Temporary Storage Representative:

~~CHARTER PROS~~

Date of Receipt:

Time of Receipt:

11/2/03 9:35 ☒ AM ☐ PM

Load Size (cu. yds./tons):

26.55

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

1/9/03 1140 ☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

32908 69793

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

Time of Receipt:

1/9/03 2:11 ☐ AM ☒ PM

Load Size (cu. yds./tons):

33.80

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

OG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

600.35

Total Carried Forward (cu. yds./tons):

321.10

Total Carried Forward and This Page (cu. yds./tons):

381.45





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

10

□ - N/A

L & L TRUCKING

I. LOAD INFORMATION: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

1-09-03

Time of Shipment:

7:00

☒ AM

☐ PM

Date of Receipt:

1/9/02

Time of Receipt:

10:02

☐ AM

☐ PM

Truck/Tractor Registration:

MA H 33169

Trailer Registration (if any):

MA 30021

Load Size (cu. yds./tons):

34.70

Load 2: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

1-09-03

Time of Shipment:

11:45

☒ AM

☐ PM

Date of Receipt:

1/9/02

Time of Receipt:

1:49

☐ AM

☐ PM

Truck/Tractor Registration:

MA H 33169

Trailer Registration (if any):

MA 30021

Load Size (cu. yds./tons):

31.65

Load 3: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

65.75

Total Carried Forward (cu. yds./tons):

381.45

Total Carried Forward and This Page (cu. yds./tons):

447.20



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

8 of 10

☐ - ☒ N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

01-09-03

Truck/Tractor Registration:

28076

Signature of Transporter Representative:

Time of Shipment:

☒ AM ☐ PM

Trailer Registration (if any):

33833

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

11/9/03

Time of Receipt:

10:00

☒ AM ☐ PM

Load Size (cu. yds./tons):

32.89

Load 2:

Date of Shipment:

01-09-03

Truck/Tractor Registration:

28076

Signature of Transporter Representative:

Time of Shipment:

☐ AM ☐ PM

Trailer Registration (if any):

33833

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

11/9/03

Time of Receipt:

12:00

☐ AM ☒ PM

Load Size (cu. yds./tons):

34.30

Load 3:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

67.19  
447.20  
514.39

H. S. KEHAN



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

9 OF 10

NA

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1/9/03

Time of Shipment:

6:30

☒ AM ☐ PM

Truck/Tractor Registration:

40063 MA

Trailer Registration (if any):

22715 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1/9/03

Time of Receipt:

9:48

☐ AM ☒ PM

Load Size (cu. yds./tons):

31.89

Load 2:

Signature of Transporter Representative:

Date of Shipment:

1/9/03

Time of Shipment:

12:00

☐ AM ☒ PM

Truck/Tractor Registration:

40063 MA

Trailer Registration (if any):

22715 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1/9/03

Time of Receipt:

1:44

☐ AM ☒ PM

Load Size (cu. yds./tons):

34.90

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

666.79  
514.39  
581.18





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

10

OF

10

H. COKADO

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□

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□

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

1-9-03

Time of Shipment:

630

☒ AM ☐ PM

Date of Receipt:

1/9/03

Time of Receipt:

9:43

☐ AM ☒ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Load Size (cu. yds./tons):

32.23

Load 2:

Signature of Transporter Representative:

1-9-03

Date of Shipment:

Time of Shipment:

☒ AM ☐ PM

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1/9/03

Time of Receipt:

1:41

☐ AM ☒ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Load Size (cu. yds./tons):

32.28

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

64.51

Total Carried Forward (cu. yds./tons):

581.18

Total Carried Forward and This Page (cu. yds./tons):

645.69





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET

1 OF 10

Release Tracking Number

WA ☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☒ AM ☐ PM

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☒ AM ☐ PM

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

60.48

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

60.48



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 2 OF 10

N/A ☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment: 1-18-03 Time of Shipment: 635

☒ AM ☐ PM

Truck/Tractor Registration: 20250 Trailer Registration (if any): 62915 MA

Receiving Facility/Temporary Storage Representative:

Date of Receipt: 1/10/03

Time of Receipt: 9:33

☒ AM ☐ PM

Load Size (cu. yds./tons): 28-20

Load 2: Signature of Transporter Representative:

Date of Shipment: 1-10-03 Time of Shipment: 1215

☐ AM ☒ PM

Truck/Tractor Registration: 20250 Trailer Registration (if any): 62915 MA

Receiving Facility/Temporary Storage Representative:

Date of Receipt: 1/10/03

Time of Receipt: 2:38

☐ AM ☒ PM

Load Size (cu. yds./tons): 2771

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 55.91  
Total Carried Forward (cu. yds./tons): 60.48  
Total Carried Forward and This Page (cu. yds./tons): 116.39



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

3 OF 10

N/A -

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-10-03

Signature of Transporter Representative:

Mike Gueth

Time of Shipment:

6:30

☒ AM ☐ PM

Truck/Tractor Registration:

20781 MA

Trailer Registration (if any):

29858 MA

Receiving Facility/Temporary Storage Representative:

Brockton Landfill

Gueth

Date of Receipt:

1/10/03

Time of Receipt:

9:33

☒ AM ☐ PM

Load Size (cu. yds./tons):

28.39

Load 2:

Signature of Transporter Representative:

Mike Gueth

Date of Shipment:

1-10-02

Time of Shipment:

11:55

☒ AM ☐ PM

Truck/Tractor Registration:

20781

Trailer Registration (if any):

29858

Receiving Facility/Temporary Storage Representative:

Brockton Landfill

Gueth

Date of Receipt:

1/10/03

Time of Receipt:

2:31

☐ AM ☒ PM

Load Size (cu. yds./tons):

29.00

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

57.39

Total Carried Forward (cu. yds./tons):

116.39

Total Carried Forward and This Page (cu. yds./tons):

173.78





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET

4 OF 10

Release Tracking Number

N/A

I. LOAD INFORMATION:

Signature of Transporter Representative:  
Load 1: *James Guilmette*  
Date of Shipment: 1-10-03  
Time of Shipment: 6:30 AM  
Truck/Tractor Registration: 48932  
Trailer Registration (if any): 69795 MA

Receiving Facility/Temporary Storage Representative:  
*Brockton Harbor*  
Date of Receipt: 1/10/03  
Time of Receipt: 9:32 AM  
Load Size (cu. yds./tons): 30.73

Signature of Transporter Representative:  
Load 2: *James Guilmette*  
Date of Shipment: 7-10-03  
Time of Shipment: 11:50 AM  
Truck/Tractor Registration: 48932  
Trailer Registration (if any): 65755 MA

Receiving Facility/Temporary Storage Representative:  
*Brockton Harbor*  
Date of Receipt: 1/10/03  
Time of Receipt: 2:14 PM  
Load Size (cu. yds./tons): 31.83

Signature of Transporter Representative:  
Load 3:  
Date of Shipment:  
Time of Shipment:  
Truck/Tractor Registration:  
Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:  
Date of Receipt:  
Time of Receipt:  
Load Size (cu. yds./tons):

Signature of Transporter Representative:  
Load 4:  
Date of Shipment:  
Time of Shipment:  
Truck/Tractor Registration:  
Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:  
Date of Receipt:  
Time of Receipt:  
Load Size (cu. yds./tons):

Signature of Transporter Representative:  
Load 5:  
Date of Shipment:  
Time of Shipment:  
Truck/Tractor Registration:  
Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:  
Date of Receipt:  
Time of Receipt:  
Load Size (cu. yds./tons):

Signature of Transporter Representative:  
Load 6:  
Date of Shipment:  
Time of Shipment:  
Truck/Tractor Registration:  
Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:  
Date of Receipt:  
Time of Receipt:  
Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 62.56  
Total Carried Forward (cu. yds./tons): 173.78  
Total Carried Forward and This Page (cu. yds./tons): 236.34





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 5 OF 10

Can 61

Release Tracking Number

N/A ☐ - ☐

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-10-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*John E. Marshall*

Time of Shipment:

6:50 AM ☒ PM ☐

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*Brockton Harbor BWA*

Date of Receipt:

1/10/03

Time of Receipt:

9:23

☒ AM ☐ PM

Load Size (cu. yds./tons):

28.40

Load 2:

Date of Shipment:

1-10-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*John E. Marshall*

Time of Shipment:

11:35 AM ☒ PM ☐

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*Brockton Harbor M*

Date of Receipt:

1/10/03

Time of Receipt:

☐ AM ☒ PM

Load Size (cu. yds./tons):

30.23

Load 3:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

58.63

Total Carried Forward (cu. yds./tons):

236.34

Total Carried Forward and This Page (cu. yds./tons):

294.97



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

6 OF 10

N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-10-03

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

351 952

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Brockton Lawrence

Date of Receipt:

1/10/03

Time of Receipt:

9:31

☒ AM ☐ PM

Load Size (cu. yds./tons):

28.76

Load 2:

Signature of Transporter Representative:

Date of Shipment:

1-10-03

Time of Shipment:

☒ AM ☒ PM

Truck/Tractor Registration:

351 952

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Brockton Lawrence

Date of Receipt:

1/10/03

Time of Receipt:

1:51

☐ AM ☐ PM

Load Size (cu. yds./tons):

28.43

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Tr:

Truck/Tractor Registration:

Tr:

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

57.19

Total Carried Forward (cu. yds./tons):

294.97

Total Carried Forward and This Page (cu. yds./tons):

352.16



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 7 OF 10

N/A ☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: John Sullivan

Date of Shipment: 1/10/03 Time of Shipment: ☒ AM ☐ PM

Truck/Tractor Registration: 32908

Trailer Registration (if any): 69793

Receiving Facility/Temporary Storage Representative:

Brockton Landfill BWS

Date of Receipt: 1/10/03

Time of Receipt: 9:01 ☒ AM ☐ PM

Load Size (cu. yds./tons): 23.85

Load 2: Signature of Transporter Representative:

John

Date of Shipment: 1/10/03 Time of Shipment: ☒ AM ☐ PM

Truck/Tractor Registration: 32908

Trailer Registration (if any): 69793

Receiving Facility/Temporary Storage Representative:

Brockton Landfill

Date of Receipt: 1/14/03

Time of Receipt: 1:00 ☐ AM ☐ PM

Load Size (cu. yds./tons): 28.14

Load 3: Signature of Transporter Representative:

John Sullivan

Date of Shipment: 1/10/03 Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: 32908

Trailer Registration (if any): 69793

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

51.99

Total Carried Forward (cu. yds./tons):

352.16

Total Carried Forward and This Page (cu. yds./tons):

404.15





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

0NYX

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 8 OF 10

N/A ☐ - ☐

**I. LOAD INFORMATION:** Signature of Transporter Representative: [Signature] Receiving Facility/Temporary Storage Representative: Brockton Transfer Burt  
Load 1: Date of Shipment: 01-10-03 Time of Shipment: ☐ AM ☐ PM Date of Receipt: 1/10/03 Time of Receipt: 9:29 ☒ AM ☐ PM  
Truck/Tractor Registration: 28076 Trailer Registration (if any): 33833 Load Size (cu. yds./tons): 27.96

Load 2: Signature of Transporter Representative: [Signature] Receiving Facility/Temporary Storage Representative: BROCKTON LANDFILL M  
Date of Shipment: 01-10-03 Time of Shipment: ☐ AM ☐ PM Date of Receipt: 1/10/03 Time of Receipt: 1:29 ☐ AM ☒ PM  
Truck/Tractor Registration: 28076 Trailer Registration (if any): 33833 Load Size (cu. yds./tons): 29.67

Load 3: Signature of Transporter Representative: Receiving Facility/Temporary Storage Representative:  
Date of Shipment: Time of Shipment: ☐ AM ☐ PM Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any): Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative: Receiving Facility/Temporary Storage Representative:  
Date of Shipment: Time of Shipment: ☐ AM ☐ PM Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any): Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative: Receiving Facility/Temporary Storage Representative:  
Date of Shipment: Time of Shipment: ☐ AM ☐ PM Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any): Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative: Receiving Facility/Temporary Storage Representative:  
Date of Shipment: Time of Shipment: ☐ AM ☐ PM Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any): Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):  
Total Carried Forward (cu. yds./tons):  
Total Carried Forward and This Page (cu. yds./tons):

57.63  
404.15  
461.78





Massachusetts Department of Environmental Protection  
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BWSC-012B

*JKC Ham*

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

9 OF 10

N/A ☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

*1/10/03*

Time of Shipment:

*7:05*

☒ AM ☐ PM

Truck/Tractor Registration:

*40063 MA*

Trailer Registration (if any):

*22715 MA*

Receiving Facility/Temporary Storage Representative:

*Brockton Landfill*

*Burs*

Date of Receipt:

*1/10/03*

Time of Receipt:

*9:20*

☒ AM ☐ PM

Load Size (cu. yds./tons):

*29.56*

Load 2: Signature of Transporter Representative:

Date of Shipment:

*1/10/03*

Time of Shipment:

*12:00*

☐ AM ☒ PM

Truck/Tractor Registration:

*40063 MA*

Trailer Registration (if any):

*22715 MA*

Receiving Facility/Temporary Storage Representative:

*Brockton Landfill*

Date of Receipt:

*1/10/03*

Time of Receipt:

*1:10*

☐ AM ☒ PM

Load Size (cu. yds./tons):

*30.78*

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

*60.34*

Total Carried Forward (cu. yds./tons):

*461.78*

Total Carried Forward and This Page (cu. yds./tons):

*522.12*



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

Con 110

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

10 OF 10

N/A - [ ]

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-10-03

Time of Shipment:

615

☐ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Receiving Facility/Temporary Storage Representative:

Brookton Landfill Burt.

Date of Receipt:

1/10/03

Time of Receipt:

9:17

☒ AM ☐ PM

Load Size (cu. yds./tons):

29.54

Load 2: Signature of Transporter Representative:

1-10-03

Date of Shipment:

Time of Shipment:

1130

☐ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Receiving Facility/Temporary Storage Representative:

Brookton Landfill New

Date of Receipt:

1/10/03

Time of Receipt:

1:07

☐ AM ☒ PM

Load Size (cu. yds./tons):

29.81

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

59.35

Total Carried Forward (cu. yds./tons):

522.12

Total Carried Forward and This Page (cu. yds./tons):

581.47



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

1 OF 10

N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-13-03

Time of Shipment:

6:32

☒ AM ☐ PM

Truck/Tractor Registration:

20781 MA

Trailer Registration (if any):

29858 MA

Receiving Facility/Temporary Storage Representative:

Blacktown Landfill BWS

Date of Receipt:

1/13/03

Time of Receipt:

9:27

☒ AM ☐ PM

Load Size (cu. yds./tons):

25.0

Load 2:

Signature of Transporter Representative:

Date of Shipment:

1-13-03

Time of Shipment:

11:48

☒ AM ☐ PM

Truck/Tractor Registration:

20781 MA

Trailer Registration (if any):

29858 MA

Receiving Facility/Temporary Storage Representative:

Blacktown Landfill M

Date of Receipt:

1/13/03

Time of Receipt:

2:31

☐ AM ☒ PM

Load Size (cu. yds./tons):

28.77

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

53.77

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

53.77





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

2 OF 10

N/A

□ - □

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1.13.03

Truck/Tractor Registration:

29380 MA

Signature of Transporter Representative:

Time of Shipment:

□ AM □ PM

Trailer Registration (if any):

10347 MA

Receiving Facility/Temporary Storage Representative:

Buckton Franklin BWA.

Date of Receipt:

1/13/03

Time of Receipt:

9:28

□ AM □ PM

Load Size (cu. yds./tons): 30.40

Load 2:

Date of Shipment:

1.13.2002

Truck/Tractor Registration:

29380 MA

Signature of Transporter Representative:

Time of Shipment:

□ AM □ PM

Trailer Registration (if any):

10347

Receiving Facility/Temporary Storage Representative:

Buckton Franklin

Date of Receipt:

1/13/02

Time of Receipt:

2:30

□ AM □ PM

Load Size (cu. yds./tons):

31.83

Load 3:

Date of Shipment:

Truck/Tractor Registration:

Signature of Transporter Representative:

Time of Shipment:

□ AM □ PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

□ AM □ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Truck/Tractor Registration:

Signature of Transporter Representative:

Time of Shipment:

□ AM □ PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

□ AM □ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Truck/Tractor Registration:

Signature of Transporter Representative:

Time of Shipment:

□ AM □ PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

□ AM □ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Truck/Tractor Registration:

Signature of Transporter Representative:

Time of Shipment:

□ AM □ PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

□ AM □ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

62.23

Total Carried Forward (cu. yds./tons):

53.77

Total Carried Forward and This Page (cu. yds./tons):

116.00





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

3 OF 10

N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment: 1/13/03 Time of Shipment: 6:31

Truck/Tractor Registration: 20250 Trailer Registration (if any): 62915 MA

Receiving Facility/Temporary Storage Representative:

Brockton Landfill BWA

Date of Receipt: 1/13/03 Time of Receipt: 9:29

Load Size (cu. yds./tons): 25.07

Load 2: Signature of Transporter Representative:

Date of Shipment: 1-13-03 Time of Shipment: 11:59

Truck/Tractor Registration: 20250 MA Trailer Registration (if any): 62915 MA

Receiving Facility/Temporary Storage Representative:

Brockton Landfill M

Date of Receipt: 1/13/03 Time of Receipt: 2:27

Load Size (cu. yds./tons): 28.16

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 53.23

Total Carried Forward (cu. yds./tons): 116.00

Total Carried Forward and This Page (cu. yds./tons): 169.23



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

CARNEY #54

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

4 OF 10

N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *M. Subietto*

Date of Shipment:

Time of Shipment:

1-13-03

6:30

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

48932

69795 MA

Receiving Facility/Temporary Storage Representative:

BRACKTON *Innovia BWA*

Date of Receipt:

Time of Receipt:

1/13/03

9:02

☒ AM ☐ PM

Load Size (cu. yds./tons):

22.97

Load 2: Signature of Transporter Representative:

*M. Subietto*

Date of Shipment:

Time of Shipment:

1-13-03

11:25

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

48932

69795 MA

Receiving Facility/Temporary Storage Representative:

BRACKTON LANDFILL *M*

Date of Receipt:

Time of Receipt:

1/13/03

2:15

☐ AM ☒ PM

Load Size (cu. yds./tons):

30.44

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

53.41

Total Carried Forward (cu. yds./tons):

169.23

Total Carried Forward and This Page (cu. yds./tons):

222.64



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 5 OF 10

N/A ☐ - ☐

<b>I. LOAD INFORMATION:</b>	
Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Load 1: <u>928</u>	<u>Brockton Transfer BWA</u>
Date of Shipment: <u>1-13-03</u> Time of Shipment: <u>7:00</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: <u>1/13/03</u> Time of Receipt: <u>9:04</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration: <u>-2908</u> Trailer Registration (if any): <u>69793</u>	Load Size (cu. yds./tons): <u>22.28</u>
Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Load 2: <u>928</u>	<u>Brockton Transfer M</u>
Date of Shipment: <u>1-13-03</u> Time of Shipment: <u>1:00</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: <u>1/13/03</u> Time of Receipt: <u>2:08</u> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
Truck/Tractor Registration: <u>32508</u> Trailer Registration (if any): <u>69793</u>	Load Size (cu. yds./tons): <u>25.79</u>
Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Load 3:	
Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration: Trailer Registration (if any):	Load Size (cu. yds./tons):
Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Load 4:	
Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration: Trailer Registration (if any):	Load Size (cu. yds./tons):
Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Load 5:	
Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration: Trailer Registration (if any):	Load Size (cu. yds./tons):
Signature of Transporter Representative:	Receiving Facility/Temporary Storage Representative:
Load 6:	
Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM	Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM
Truck/Tractor Registration: Trailer Registration (if any):	Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

48.07

222.64

270.71





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

6 OF 10

N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-13-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*Joe Marshall*

Time of Shipment:

6:45 ☒ AM ☐ PM

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*Blackton* *WMA*

Date of Receipt:

1/13/03

Time of Receipt:

9:03

☒ AM ☐ PM

Load Size (cu. yds./tons):

24.23

Load 2:

Date of Shipment:

1-13-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*Joe Marshall*

Time of Shipment:

11:20 ☒ AM ☐ PM

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*Blackton WMA*

Date of Receipt:

1/13/03

Time of Receipt:

2:11

☐ AM ☒ PM

Load Size (cu. yds./tons):

28.14

Load 3:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

52.37

Total Carried Forward (cu. yds./tons):

270.71

Total Carried Forward and This Page (cu. yds./tons):

323.08





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

7 OF 10

N/A

I. LOAD INFORMATION:

Load 1:

Signature of Transporter Representative:

*Ken 7-kw*

Receiving Facility/Temporary Storage Representative:

*Brockton Transfer BWA*

Date of Shipment:

1-13-03

Time of Shipment:

7:00

Date of Receipt:

1/13/03

Time of Receipt:

9:30

Truck/Tractor Registration:

33203

Trailer Registration (if any):

☒ AM ☐ PM

☒ AM ☐ PM

Load Size (cu. yds./tons):

25.76

Load 2:

Signature of Transporter Representative:

*Ken 12:00*

Receiving Facility/Temporary Storage Representative:

*Brockton Transfer M*

Date of Shipment:

1-13-03

Time of Shipment:

☒ AM ☒ PM

Date of Receipt:

1/13/02

Time of Receipt:

1:55

Truck/Tractor Registration:

33203

Trailer Registration (if any):

☐ AM ☐ PM

Load Size (cu. yds./tons):

29.48

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

55.24

Total Carried Forward (cu. yds./tons):

323.08

Total Carried Forward and This Page (cu. yds./tons):

378.32



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

Only 8

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

8 OF 10

N/A - [ ]

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1/13/03

Time of Shipment:

9:32

☒ AM ☐ PM

Truck/Tractor Registration:

57330

Trailer Registration (if any):

34498

Receiving Facility/Temporary Storage Representative:

Brookton Landfill

BWA

Date of Receipt:

Time of Receipt:

9:32

☒ AM ☐ PM

Load Size (cu. yds./tons):

25.43

Load 2:

Signature of Transporter Representative:

Date of Shipment:

1/13/03

Time of Shipment:

1:11

☐ AM ☒ PM

Truck/Tractor Registration:

57330

Trailer Registration (if any):

34498

Receiving Facility/Temporary Storage Representative:

Brookton Landfill

BWA

Date of Receipt:

1/13/03

Time of Receipt:

1:11

☐ AM ☒ PM

Load Size (cu. yds./tons):

26.71

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

52.14

Total Carried Forward (cu. yds./tons):

378.32

Total Carried Forward and This Page (cu. yds./tons):

430.46



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

9 OF 10

☐ - ☒ N/A

## I. LOAD INFORMATION: Signature of Transporter Representative:

## Load 1:

Date of Shipment:

1-13-03

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Receiving Facility/Temporary Storage Representative:

Brockton Hanover BWA

Date of Receipt:

1/13/03

Time of Receipt:

9:45

☒ AM ☐ PM

Load Size (cu. yds./tons):

26.95

## Load 2: Signature of Transporter Representative:

1-13-03

Date of Shipment:

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Receiving Facility/Temporary Storage Representative:

Brockton Hanover BWA

Date of Receipt:

1/13/03

Time of Receipt:

12:58

☐ AM ☒ PM

Load Size (cu. yds./tons):

27.12

## Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

## Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of

Truck/Tractor Registration:

Trailer

Receiving Facility/Temporary Storage Representative:

Receipt:

Time of Receipt:

☐ AM ☐ PM

Size (cu. yds./tons):

*Driver  
needs  
to sign*

## Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

## Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

## LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

54.05

Total Carried Forward (cu. yds./tons):

430.46

Total Carried Forward and This Page (cu. yds./tons):

484.51



Sketch



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 10 OF 10

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1/13/03

Time of Shipment:

9:10

☒ AM ☐ PM

Truck/Tractor Registration:

40063 MA

Trailer Registration (if any):

22715 MA

Receiving Facility/Temporary Storage Representative:

Brockton Hanover BUA

Date of Receipt:

1/13/03

Time of Receipt:

9:06

☒ AM ☐ PM

Load Size (cu. yds./tons):

24.62

Load 2: Signature of Transporter Representative:

Date of Shipment:

1/13/02

Time of Shipment:

12:45

☐ AM ☒ PM

Truck/Tractor Registration:

40063 MA

Trailer Registration (if any):

22715 MA

Receiving Facility/Temporary Storage Representative:

Brockton Hanover BUA

Date of Receipt:

1/13/03

Time of Receipt:

12:57

☐ AM ☒ PM

Load Size (cu. yds./tons):

28.71

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

53.33

Total Carried Forward (cu. yds./tons):

484.51

Total Carried Forward and This Page (cu. yds./tons):

537.84





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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*O'Donnell*

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

☐ - ☒ *N/A*

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

*1-14-2002*

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

*29380 MA*

*10347 MA*

Receiving Facility/Temporary Storage Representative:

*Brockton Landfill BUA.*

Date of Receipt:

*1-14-03*

Time of Receipt:

*9:35*

☒ AM ☐ PM

Load Size (cu. yds./tons):

*29.98*

Load 2: Signature of Transporter Representative:

Date of Shipment:

*1-14-2002*

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

*29380 MA*

*10347 MA*

Receiving Facility/Temporary Storage Representative:

*Brockton Landfill BUA.*

Date of Receipt:

*1-14-03*

Time of Receipt:

*2:59*

☐ AM ☐ PM

Load Size (cu. yds./tons):

*23.80*

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

*53.78*

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

*53.78*



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

2 OF 11

☐ - ☒ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *M. Schmidt*

Date of Shipment: 1-14-03 Time of Shipment: 6:25 ☒ AM ☐ PM

Truck/Tractor Registration: 48932 Trailer Registration (if any): 69795

Receiving Facility/Temporary Storage Representative:

*Blackton HANOK BWA*

Date of Receipt: 1-14-03 Time of Receipt: 8:55 ☒ AM ☐ PM

Load Size (cu. yds./tons): 24.06

Load 2: Signature of Transporter Representative:

*M. Schmidt*

Date of Shipment: 1-14-03 Time of Shipment: 12:45 ☐ AM ☒ PM

Truck/Tractor Registration: 48932 Trailer Registration (if any): 65795 MB

Receiving Facility/Temporary Storage Representative:

*Blackton HANOK BWA*

Date of Receipt: 1-14-03 Time of Receipt: 2:44 ☐ AM ☒ PM

Load Size (cu. yds./tons): 28.96

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 53.02  
Total Carried Forward (cu. yds./tons): 53.78  
Total Carried Forward and This Page (cu. yds./tons): 106.80



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

3

OF

11

□ - N/A

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

*Joe E. Marshall*

*Brockton Landfill Blue*

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

1-14-03

6:45 ☒ AM ☐ PM

1-14-03

9:02 ☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

50569

69798

Load Size (cu. yds./tons): 23.87

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

*Joe E. Marshall*

*BROCKTON LANDFILL*

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

1-14-03

11:50 ☒ AM ☐ PM

1-14-03

2:30 ☐ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

50569

69798

Load Size (cu. yds./tons): 25.26

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

II. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

49.13  
106.80  
155.93





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

4 OF 11

□ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-14-03

Time of Shipment:

7:00

☒ AM ☐ PM

Truck/Tractor Registration:

33203

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL BWS

Date of Receipt:

1-14-02

Time of Receipt:

9:32

☒ AM ☐ PM

Load Size (cu. yds./tons):

25.91

Load 2: Signature of Transporter Representative:

Date of Shipment:

1-14-03

Time of Shipment:

12:00

☐ AM ☒ PM

Truck/Tractor Registration:

33203

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1-14-03

Time of Receipt:

2:23

☐ AM ☒ PM

Load Size (cu. yds./tons):

26.14

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of

Date of Shipment:

Truck/Tractor Registration:

Driver  
Needs to  
sign  
Trailer Reg?

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

52.05

Total Carried Forward (cu. yds./tons)

155.93

Total Carried Forward and This Page (cu. yds./tons)

207.98





Massachusetts Department of Environmental Protection *KEAM* WSC-012B  
Bureau of Waste Site Cleanup

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

5 OF 11

☐ - ☒ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1/14/03

Time of Shipment:

10:00

☒ AM ☐ PM

Truck/Tractor Registration:

40063 MA

Trailer Registration (if any):

22715 MA

Receiving Facility/Temporary Storage Representative:

Beckton Landfill BWA

Date of Receipt:

1-14-03

Time of Receipt:

10:03

☒ AM ☐ PM

Load Size (cu. yds./tons):

27.20

Load 2: Signature of Transporter Representative:

Date of Shipment:

1/14/03

Time of Shipment:

1:20

☐ AM ☒ PM

Truck/Tractor Registration:

40063 MA

Trailer Registration (if any):

22715 MA

Receiving Facility/Temporary Storage Representative:

Beckton Landfill

Date of Receipt:

1-14-03

Time of Receipt:

1:45

☐ AM ☒ PM

Load Size (cu. yds./tons):

29.45

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

56-65

Total Carried Forward (cu. yds./tons)

207-98

Total Carried Forward and This Page (cu. yds./tons)

264-63



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 6 OF 11

Release Tracking Number

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment: 1-14-03 Time of Shipment: 629

☒ AM ☐ PM

Truck/Tractor Registration: 20250 Trailer Registration (if any): 62915 MA

Receiving Facility/Temporary Storage Representative:

Buckton Landfill BWA.

Date of Receipt: 1-14-03

Time of Receipt: 8:58

☒ AM ☐ PM

Load Size (cu. yds./tons): 24.62

Load 2: Signature of Transporter Representative:

Date of Shipment: 1-14-03 Time of Shipment: 1134

☒ AM ☐ PM

Truck/Tractor Registration: 20250 MA Trailer Registration (if any): 62915 MA

Receiving Facility/Temporary Storage Representative:

BRICKTON LANDFILL

Date of Receipt: 1-14-03

Time of Receipt: 1:43

☐ AM ☐ PM

Load Size (cu. yds./tons): 29.16

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Temporary Storage Representative:

Date of Shipment: Time of Shipment: ☐

Truck/Tractor Registration: Trailer Registration (if any):

Time of Receipt:

☐ AM ☐ PM

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 53.78

Total Carried Forward (cu. yds./tons): 264.63

Total Carried Forward and This Page (cu. yds./tons): 318.41



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 7 OF 11

☐ - NIA

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: Antonio Vazquez

Date of Shipment: 1-14-03 Time of Shipment: 6:35 ☒ AM ☐ PM

Truck/Tractor Registration: 43006 Trailer Registration (if any): 69794

Receiving Facility/Temporary Storage Representative:

BRACKEN LAMAR BWA

Date of Receipt: 1-14-03 Time of Receipt: 8:38 ☒ AM ☐ PM

Load Size (cu. yds./tons): 27.60

Load 2: Signature of Transporter Representative:

Antonio Vazquez

Date of Shipment: 1-14-03 Time of Shipment: 11:13 ☐ AM ☐ PM

Truck/Tractor Registration: 43006 Trailer Registration (if any): 69794

Receiving Facility/Temporary Storage Representative:

BRACKEN LAMAR BWA

Date of Receipt: 1-14-03 Time of Receipt: 1:39 ☐ AM ☐ PM

Load Size (cu. yds./tons): 32.94

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 60.54  
Total Carried Forward (cu. yds./tons): 318.41  
Total Carried Forward and This Page (cu. yds./tons): 378.95





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

8 OF 11

☐ - N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-14-03

Signature of Transporter Representative:

Time of Shipment:

6:11

☒ AM ☐ PM

Truck/Tractor Registration:

20781 MA

Trailer Registration (if any):

29858 MA

Receiving Facility/Temporary Storage Representative:

Brockton Landfill GWA

Date of Receipt:

1-14-03

Time of Receipt:

8:57

☒ AM ☐ PM

Load Size (cu. yds./tons):

27.28

Load 2:

Signature of Transporter Representative:

Date of Shipment:

1-14-03

Signature of Transporter Representative:

Time of Shipment:

11:48

☒ AM ☐ PM

Truck/Tractor Registration:

20781 MA

Trailer Registration (if any):

29858 MA

Receiving Facility/Temporary Storage Representative:

Brockton Landfill

Date of Receipt:

1-14-03

Time of Receipt:

1:41

☐ AM ☒ PM

Load Size (cu. yds./tons):

31.66

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

58.94

Total Carried Forward (cu. yds./tons)

378.95

Total Carried Forward and This Page (cu. yds./tons)

437.89





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

9 OF 11

□ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

1-14-03

Time of Shipment:

8:56

☒ AM ☐ PM

Date of Receipt:

1-14-03

Time of Receipt:

8:56

☒ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Load Size (cu. yds./tons):

24.48

Load 2: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

1-14-03

Date of Shipment:

Time of Shipment:

☒ AM ☐ PM

Date of Receipt:

1-14-03

Time of Receipt:

☐ AM ☒ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Load Size (cu. yds./tons):

29.01

Load 3: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Driver needs to sign load info. (initials)

Load 5: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

OG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

53.49

Total Carried Forward (cu. yds./tons):

437.89

Total Carried Forward and This Page (cu. yds./tons):

491.38



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

dryx 4

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

10 OF 11

☐ - N/A

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

1/14/03

Time of Shipment:

6:40

☒ AM ☐ PM

Date of Receipt:

1-14-03

Time of Receipt:

9:01

☒ AM ☐ PM

Truck/Tractor Registration:

57329 MA

Trailer Registration (if any):

6627 MA

Load Size (cu. yds./tons):

25.38

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

25.38

Total Carried Forward (cu. yds./tons):

491.38

Total Carried Forward and This Page (cu. yds./tons):

516.76



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 11 OF 11

☐ - N/A

0N4X

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

01-14-03

Signature of Transporter Representative:

Time of Shipment:

06:30

☒ AM ☐ PM

Truck/Tractor Registration:

28076

Trailer Registration (if any):

33833

Receiving Facility/Temporary Storage Representative:

Brockton

Andover

BWA

Date of Receipt:

1-14-03

Time of Receipt:

9:00

☒ AM ☐ PM

Load Size (cu. yds./tons):

24.45

Load 2:

Signature of Transporter Representative:

Date of Shipment:

01-14-03

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

28076

Trailer Registration (if any):

33833

Receiving Facility/Temporary Storage Representative:

Brockton

M

Date of Receipt:

1-14-03

Time of Receipt:

1:33

☐ AM ☒ PM

Load Size (cu. yds./tons):

28.18

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons)

Total Carried Forward and This Page (cu. yds./tons)

52.63

516.76

569.39





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 1 OF 15

☐ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-15-03

Time of Shipment:

8:25

☒ AM ☐ PM

Truck/Tractor Registration:

50569

Trailer Registration (If any):

69798

Receiving Facility/Temporary Storage Representative:

BRACKENLAND

Date of Receipt:

1/15/03

Time of Receipt:

10:49

☐ AM ☒ PM

Load Size (cu. yds./tons):

24.72

Load 2: Signature of Transporter Representative:

Date of Shipment:

1-15-03

Time of Shipment:

12:50

☐ AM ☒ PM

Truck/Tractor Registration:

50569

Trailer Registration (If any):

69798

Receiving Facility/Temporary Storage Representative:

BRACKENLAND M

Date of Receipt:

1-15-03

Time of Receipt:

3:13

☐ AM ☒ PM

Load Size (cu. yds./tons):

26.48

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (If any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (If any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (If any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (If any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

51.20

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

51.20





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

2 OF 15

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1.5.03

Time of Shipment:

8:30

☒ AM ☐ PM

Truck/Tractor Registration:

10181

Trailer Registration (if any):

29940

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1-11-03

Time of Receipt:

☒ AM ☐ PM

Load Size (cu. yds./tons):

26.56

Load 2: Signature of Transporter Representative:

Date of Shipment:

1:30

Time of Shipment:

☐ AM ☒ PM

Truck/Tractor Registration:

10181

Trailer Registration (if any):

29940

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1-15-03

Time of Receipt:

☐ AM ☒ PM

Load Size (cu. yds./tons):

29.41

Load 3: Signature of Transporter Representative:

Date of Shipment:

~~10181~~

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

~~29940~~

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

55.97

Total Carried Forward (cu. yds./tons):

51.20

Total Carried Forward and This Page (cu. yds./tons):

107.17



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 3 OF 15

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Time of Shipment:

1-15-03

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

29380 MA

10347 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

Time of Receipt:

1-15-03

10:48

☒ AM ☐ PM

Load Size (cu. yds./tons):

27.87

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

1-15-03

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

29380 MA

10347 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

Time of Receipt:

1-15-03

☐ AM ☐ PM

Load Size (cu. yds./tons):

29.23

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Di:

ipt:

☐ AM ☐ PM

driver needs to sign

representative:

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

57.10

Total Carried Forward (cu. yds./tons)

107.17

Total Carried Forward and This Page (cu. yds./tons)

164.27



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

4 OF 15

- N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Time of Shipment:

7:00

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

33203

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

1-15-03

10:17

☒ AM ☐ PM

Load Size (cu. yds./tons):

22.72

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

12:00

☐ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

33203

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

1-15-03

☐ AM ☒ PM

Load Size (cu. yds./tons):

26.91

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

Truck/Tractor Registration:

Trailer Registration:

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

OG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

49.63

Total Carried Forward (cu. yds./tons)

164.27

Total Carried Forward and This Page (cu. yds./tons)

213.90





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

5 OF 15

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *[Signature]*  
Date of Shipment: *1-15-03* Time of Shipment: *6:40* ☒ AM ☐ PM

Truck/Tractor Registration: *48932* Trailer Registration (if any): *69795 MA*

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt: *1-15-03* Time of Receipt: *8:40* ☒ AM ☐ PM

Load Size (cu. yds./tons): *2579*

Load 2: Signature of Transporter Representative:

*[Signature]*  
Date of Shipment: *1-15-03* Time of Shipment: *11:40* ☒ AM ☐ PM

Truck/Tractor Registration: *48932* Trailer Registration (if any): *69795 MA*

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt: *1-15-03* Time of Receipt: *2:29* ☐ AM ☒ PM

Load Size (cu. yds./tons): *28.60*

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

*54.39*

Total Carried Forward (cu. yds./tons):

*213.90*

Total Carried Forward and This Page (cu. yds./tons):

*268.29*



CARNEY ST



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

6 OF 15

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *[Signature]*

Date of Shipment: *1-15-03* Time of Shipment: *6:35* ☒ AM ☐ PM

Truck/Tractor Registration: *36078* Trailer Registration (if any): *74054*

Receiving Facility/Temporary Storage Representative:

*BRACTON LANDFILL*

Date of Receipt: *1-15-03* Time of Receipt: *9:32* ☐ AM ☒ PM

Load Size (cu. yds./tons): *27.33*

Load 2: Signature of Transporter Representative:

Date of Shipment: *1-15-03* Time of Shipment: *7:40* ☐ AM ☒ PM

Truck/Tractor Registration: *36075* Trailer Registration (if any): *74054*

Receiving Facility/Temporary Storage Representative:

*BRACTON LANDFILL*

Date of Receipt: *1-15-03* Time of Receipt: *9:32* ☐ AM ☒ PM

Load Size (cu. yds./tons): *30.86* *(GAS)*

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

*58.19*  
*268.29*  
*326.48*



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 7 OF 15

☐ N/A

<b>I. LOAD INFORMATION:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:	<u>Joan Town</u>	Date of Shipment:		<u>BRICKMAN Mobile</u>	
<u>1-14-03</u>	<u>8:50</u>	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM	Date of Receipt:	Time of Receipt:
<u>1-15-03</u>	<u>9:36</u>	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM		
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):			
<u>56469</u>	<u>34493</u>	<u>25-38</u>			
Load 2:	<u>Joan Town</u>	Date of Shipment:		Receiving Facility/Temporary Storage Representative:	
<u>1-14-03</u>	<u>8:50</u>	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM	<u>BRICKMAN Mobile</u>	
<u>1-15-03</u>	<u>2:18</u>	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM	Date of Receipt:	Time of Receipt:
<u>56467</u>	<u>34493</u>	Load Size (cu. yds./tons):			
		<u>26.92</u>			
Load 3:		Date of Shipment:		Receiving Facility/Temporary Storage Representative:	
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		
Date of Shipment:	Time of Shipment:	Date of Receipt:			
		Time of Receipt:			
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):			
Load 4:		Date of Shipment:		Receiving Facility/Temporary Storage Representative:	
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		
Date of Shipment:	Time of Shipment:	Date of Receipt:			
		Time of Receipt:			
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):			
Load 5:		Date of Shipment:		Receiving Facility/Temporary Storage Representative:	
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		
Date of Shipment:	Time of Shipment:	Date of Receipt:			
		Time of Receipt:			
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):			
Load 6:		Date of Shipment:		Receiving Facility/Temporary Storage Representative:	
		<input type="checkbox"/> AM	<input type="checkbox"/> PM		
Date of Shipment:	Time of Shipment:	Date of Receipt:			
		Time of Receipt:			
Truck/Tractor Registration:	Trailer Registration (if any):	Load Size (cu. yds./tons):			

II. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 52-30  
Total Carried Forward (cu. yds./tons): 326-48  
Total Carried Forward and This Page (cu. yds./tons): 378-78



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

8 OF 15

☐ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☒ AM ☐ PM

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☒ PM

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

52.72

378.78

431.50





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

SKETCH

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

9 OF 15

☐ - ☒ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1/15/03

Time of Shipment:

10:00

☒ AM

☐ PM

Truck/Tractor Registration:

40063 MA

Trailer Registration (if any):

02715 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON

Date of Receipt:

1-15-03

Time of Receipt:

10:48

☒ AM

☐ PM

Load Size (cu. yds./tons):

27.78

Load 2: Signature of Transporter Representative:

Date of Shipment:

1/15/03

Time of Shipment:

2:00

☐ AM

☒ PM

Truck/Tractor Registration:

40063 MA

Trailer Registration (if any):

02715 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON

Date of Receipt:

1/15/03

Time of Receipt:

2:14

☐ AM

☒ PM

Load Size (cu. yds./tons):

31.01

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

58.79

Total Carried Forward (cu. yds./tons):

431.50

Total Carried Forward and This Page (cu. yds./tons):

490.29





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

K+K

Release Tracking Number

SUMMARY SHEET

10 OF 15

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment: 1-15-03 Time of Shipment: 6:33

☒ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

20250 MA 62915 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL M

Date of Receipt: 1-15-03 Time of Receipt: 9:30

☐ AM ☒ PM

Load Size (cu. yds./tons): 26.46

Load 2: Signature of Transporter Representative:

Date of Shipment: 1-15-03 Time of Shipment: 11:41

☒ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

20250 MA 62915 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL M

Date of Receipt: 1-15-03 Time of Receipt: 2:00

☐ AM ☒ PM

Load Size (cu. yds./tons): 25.85

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

Truck/Tractor Registration: Trailer Registration (if any):

s):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

52.31  
490.29  
542.60



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

11 OF 15

□ - N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-15-03

Signature of Transporter Representative:

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

20781

Trailer Registration (if any):

29858

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

1-15-03

Time of Receipt:

9:26

☐ AM ☐ PM

Load Size (cu. yds./tons):

29.46

Load 2:

Date of Shipment:

1-15-03

Signature of Transporter Representative:

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

20781

Trailer Registration (if any):

29858

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

1-15-03

Time of Receipt:

1:58

☐ AM ☐ PM

Load Size (cu. yds./tons):

29.26

Load 3:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

58.72

Total Carried Forward (cu. yds./tons):

542.60

Total Carried Forward and This Page (cu. yds./tons):

601.32



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

DW500-0120

~~CHARTERED~~  
SIZER

Release Tracking Number

BILL OF LADING (pursuant to 310 CMR 40.0030)

☐ - N/A

SUMMARY SHEET 12 OF 15

I. LOAD INFORMATION: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

1-15-03

Time of Shipment:

☒ AM ☐ PM

Date of Receipt:

1/15/03

Time of Receipt:

1:30

☐ AM ☒ PM

Truck/Tractor Registration:

308912

Trailer Registration (if any):

5547

Load Size (cu. yds./tons):

#25.46

Load 2: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration:

Load Size (cu. yds./tons):

*Driver  
Needs to  
Sign.*

Load 4: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

25.46  
601.32  
626.78



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

CORRIDO

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

13 OF 15

☐ - ☒ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-15-03

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

1/15/03

Time of Receipt:

☐ AM ☒ PM

Load Size (cu. yds./tons):

28.28

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☒ PM

Load Size (cu. yds./tons):

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

28.28

Total Carried Forward (cu. yds./tons)

626.78

Total Carried Forward and This Page (cu. yds./tons)

655.06





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

*CARTRIDGES + OLYX 6*

Release Tracking Number

SUMMARY SHEET 14 OF 15

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-15-03

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Receiving Facility/Temporary Storage Representative:

BROOKTON

landfill

BWA

Date of Receipt:

1-15-03

Time of Receipt:

9:03

☒ AM ☐ PM

Load Size (cu. yds./tons):

#2361

Load 2: Signature of Transporter Representative:

Date of Shipment:

1/15/03

Time of Shipment:

☐ AM ☒ PM

Truck/Tractor Registration:

MA 57330

Trailer Registration (if any):

MA 34498

Receiving Facility/Temporary Storage Representative:

BROOKTON LANDFILL

Date of Receipt:

1/15/03

Time of Receipt:

1:22

☐ AM ☒ PM

Load Size (cu. yds./tons):

2570

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Re

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

e (cu. yds./tons):

Load 4: Signature of Transporter

Date of Shipment:

Time of

Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

49-31

Total Carried Forward (cu. yds./tons):

655.06

Total Carried Forward and This Page (cu. yds./tons):

704-37



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

15 OF 15

□ - N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-15-03

Truck/Tractor Registration:

308912

Signature of Transporter Representative:

C. Sign

Time of Shipment:

□ AM □ PM

Trailer Registration (if any):

5547

Receiving Facility/Temporary Storage Representative:

Brockton Landfill

BWA

Date of Receipt:

1-15-03

Time of Receipt:

9:05

□ AM □ PM

Load Size (cu. yds./tons):

24.42

Load 2:

Signature of Transporter Representative:

C. Sign

Date of Shipment:

1-15-03

Time of Shipment:

□ AM □ PM

Truck/Tractor Registration:

308912

Trailer Registration (if any):

5547

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

□ AM □ PM

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

R. Vail

Date of Shipment:

1/15/03

Time of Shipment:

11:05

□ AM □ PM

Truck/Tractor Registration:

57329

MA

6627

MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1-15-03

Time of Receipt:

1:19

□ AM □ PM

Load Size (cu. yds./tons):

26.7X

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

□ AM □ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

□ AM □ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

□ AM □ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

□ AM □ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

□ AM □ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

□ AM □ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

51.16  
704.37  
755.53



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

*Negoshian*

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

1 OF 14

☐ - N/A

**I. LOAD INFORMATION:** Signature of Transporter Representative:

**Load 1:**

Date of Shipment:

1-16-03

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

10181

Trailer Registration (if any):

29940

Receiving Facility/Temporary Storage Representative:

*BRACKTON LANDFILL*

Date of Receipt:

1-16-03

Time of Receipt:

10:41

☐ AM ☒ PM

Load Size (cu. yds./tons):

27.97

**Load 2:** Signature of Transporter Representative:

Date of Shipment:

1-16-03

Time of Shipment:

☐ AM ☒ PM

Truck/Tractor Registration:

10181

Trailer Registration (if any):

29940

Receiving Facility/Temporary Storage Representative:

*BRACKTON LANDFILL*

Date of Receipt:

1-16-03

Time of Receipt:

☐ AM ☒ PM

Load Size (cu. yds./tons):

26.92

**Load 3:** Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

*Driver needs to sign*

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 4:** Signature of Transporter Representative:

Date of Shipment:

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 5:** Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**Load 6:** Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

**LOG SHEET VOLUME INFORMATION:**

Total Volume Recorded This Page (cu. yds./tons):

54.89

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

54.89



O'Donnell



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

2 OF 14

☐ - N/A

## I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-16-2003

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

29330

Trailer Registration (if any):

10347

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1-16-03

Time of Receipt:

10:38

☒ AM ☐ PM

Load Size (cu. yds./tons):

30.55

## Load 2: Signature of Transporter Representative:

Date of Shipment:

1-16-2003

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

29380 MA

Trailer Registration (if any):

10347 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1-16-03

Time of Receipt:

2:48

☐ AM ☐ PM

Load Size (cu. yds./tons):

31.18

## Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

## Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

## Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

## Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

## LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

61.73

Total Carried Forward (cu. yds./tons):

54.89

Total Carried Forward and This Page (cu. yds./tons):

116.62





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 3 OF 14

☐ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment

Time of Shipment:

1-16-03

6:45

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

50569

69798

Receiving Facility/Temporary Storage Representative:

BRECKTON LANDFILL JMR

Date of Receipt:

Time of Receipt:

1-16-03

10:11

☐ AM ☐ PM

Load Size (cu. yds./tons):

29.70

Load 2: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

1-16-03

12:00

☐ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

50569

69798

Receiving Facility/Temporary Storage Representative:

BRECKTON LANDFILL JMR

Date of Receipt:

Time of Receipt:

1-16-03

2:43

☐ AM ☐ PM

Load Size (cu. yds./tons):

28.18

Load 3: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

II. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

57.88

Total Carried Forward (cu. yds./tons)

116.62

Total Carried Forward and This Page (cu. yds./tons)

174.50



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 4 OF 14

☐ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *Robert Chenail*  
Date of Shipment: 1-16-03 Time of Shipment: 6:35 ☒ AM ☐ PM  
Truck/Tractor Registration: 36075 Trailer Registration (if any): 74054

Receiving Facility/Temporary Storage Representative:

*BROCKTON CAMPUS* *CAF*  
Date of Receipt: 1-16-03 Time of Receipt: 9:47 ☐ AM ☒ PM  
Load Size (cu. yds./tons): 30.61

Load 2: *Robert Chenail*  
Date of Shipment: 1-16-03 Time of Shipment: 11:54 ☐ AM ☐ PM  
Truck/Tractor Registration: 36075 Trailer Registration (if any): 74054

Receiving Facility/Temporary Storage Representative:

*BROCKTON CAMPUS* *CAF*  
Date of Receipt: 1-16-03 Time of Receipt: 2:37 ☐ AM ☒ PM  
Load Size (cu. yds./tons): 27.94

Load 3: *Robert Chenail*  
Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

Load 4: *Robert Chenail*  
Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

Load 5: *Robert Chenail*  
Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

Load 6: *Robert Chenail*  
Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): 58.55  
Total Carried Forward (cu. yds./tons): 174.50  
Total Carried Forward and This Page (cu. yds./tons): 233.05



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 5 OF 14

☐ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: Man Shutt

Date of Shipment: 1-16-03 Time of Shipment: 6:45 ☐ AM ☐ PM

Truck/Tractor Registration: 48932 Trailer Registration (if any): 69795 MA

Receiving Facility/Temporary Storage Representative:

BRACKTON LADDER JAE

Date of Receipt: 1-16-03 Time of Receipt: 7:00 ☐ AM ☐ PM

Load Size (cu. yds./tons): 31.06

Load 2: Signature of Transporter Representative:

Man Shutt  
Date of Shipment: 1-16-03 Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: 48932 Trailer Registration (if any): 69795 MA

Receiving Facility/Temporary Storage Representative:

BRACKTON LADDER M

Date of Receipt: 1-16-03 Time of Receipt: 2:31 ☐ AM ☐ PM

Load Size (cu. yds./tons): 28.65

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

59.71

233.05

292.76





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 6 OF 14

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-16-03

Time of Shipment:

7:00

☒ AM ☐ PM

Truck/Tractor Registration:

33283

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

BRICKEN LANDFILL JRE

Date of Receipt:

1-16-03

Time of Receipt:

10:16

☒ AM ☐ PM

Load Size (cu. yds./tons):

27.10

Load 2: Signature of Transporter Representative:

Date of Shipment:

1-16-03

Time of Shipment:

12:15

☐ AM ☒ PM

Truck/Tractor Registration:

33203

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

BRICKEN LANDFILL JRE

Date of Receipt:

1-16-03

Time of Receipt:

2:16

☐ AM ☒ PM

Load Size (cu. yds./tons):

27.36

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of

Driver needs to sign

Truck/Tractor Registration:

Trailer

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

54.46

Total Carried Forward (cu. yds./tons):

292.76

Total Carried Forward and This Page (cu. yds./tons):

347.22





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

7 OF 14

□ - N/A

ONLYX

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

01-16-03

Time of Shipment:

01:30

☒ AM ☐ PM

Date of Receipt:

1-16-03

Time of Receipt:

10:02

☐ AM ☐ PM

Truck/Tractor Registration:

28076

Trailer Registration (if any):

33833

Load Size (cu. yds./tons):

~~21.06~~ 29.34

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

01-16-03

Time of Shipment:

12:00

☐ AM ☒ PM

Date of Receipt:

1-16-03

Time of Receipt:

1:47

☐ AM ☒ PM

Truck/Tractor Registration:

28076

Trailer Registration (if any):

33833

Load Size (cu. yds./tons):

~~28.86~~ 28.75

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

58.09  
347.22  
405.31



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

8 OF 14

☐ - ☒ N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-16-03

Truck/Tractor Registration:

55573

Signature of Transporter Representative:

*[Signature]*

Time of Shipment:

6:30

☒ AM ☐ PM

Trailer Registration (if any):

75620

Receiving Facility/Temporary Storage Representative:

*[Signature]* BROCKTON LANDFILL

Date of Receipt:

1-16-03

Time of Receipt:

9:42

☐ AM ☒ PM

Load Size (cu. yds./tons):

31.77

Load 2:

Date of Shipment:

1-16-03

Truck/Tractor Registration:

55573

Signature of Transporter Representative:

*[Signature]*

Time of Shipment:

11:30

☒ AM ☐ PM

Trailer Registration (if any):

75620

Receiving Facility/Temporary Storage Representative:

*[Signature]* BROCKTON LANDFILL

Date of Receipt:

1-16-03

Time of Receipt:

1:57

☐ AM ☒ PM

Load Size (cu. yds./tons):

26.42

Load 3:

Date of Shipment:

Truck/Tractor Registration:

Signature of Transporter Representative:

Time of Shipment:

☐ AM ☐ PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Truck/Tractor Registration:

Signature of Transporter Representative:

Time of Shipment:

☐ AM ☐ PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Truck/Tractor Registration:

Signature of Transporter Representative:

Time of Shipment:

☐ AM ☐ PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Truck/Tractor Registration:

Signature of Transporter Representative:

Time of Shipment:

☐ AM ☐ PM

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

II. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

58.19

405.31

463.50



Massachusetts Department of Environmental Protection  
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BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

9 OF 14 KTK

□ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment: 1-16-03 Time of Shipment: 6:41

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

20250

62915 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

Time of Receipt:

1/16/03

9:54

☒ AM ☐ PM

Load Size (cu. yds./tons):

27.92

Load 2: Signature of Transporter Representative:

Date of Shipment: 1-16-03 Time of Shipment: 12:00

☐ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

20250

62915 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

Time of Receipt:

1-16-03

11:47

☐ AM ☒ PM

Load Size (cu. yds./tons):

26.86

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signa

Date of Shipment:

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

54.78  
463.50  
518.28





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 10 OF 14

Release Tracking Number

☐ - N/A

*M. GUBERTIN*

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-16-03

Truck/Tractor Registration:

20781 MA

Signature of Transporter Representative:

*Mike Gueth*

Time of Shipment:

6:16

☒ AM ☐ PM

Trailer Registration (if any):

29858 MA

Receiving Facility/Temporary Storage Representative:

*BRACKEN LINDEN*

Date of Receipt:

1-16-03

Time of Receipt:

9:49

☐ AM ☐ PM

Load Size (cu. yds./tons):

29.08

Load 2:

Signature of Transporter Representative:

*Mike Gueth*

Date of Shipment:

1-16-03

Truck/Tractor Registration:

20781 MA

Time of Shipment:

11:30

☒ AM ☐ PM

Trailer Registration (if any):

29858 MA

Receiving Facility/Temporary Storage Representative:

*BRACKEN LINDEN*

Date of Receipt:

1-16-03

Time of Receipt:

1:43

☐ AM ☐ PM

Load Size (cu. yds./tons):

28.19

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

57.67

Total Carried Forward (cu. yds./tons):

518.28

Total Carried Forward and This Page (cu. yds./tons):

575.95





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

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BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

11 OF 14

☐ - N/A

<b>I. LOAD INFORMATION:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 1:	<i>Jason Towner</i>	Time of Shipment:		<i>BRUCKMAN ANDERSON</i>	
Date of Shipment:	1-16-03	Time of Shipment: 7:00 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	11/16/03
Truck/Tractor Registration:	56467	Trailer Registration (if any): 34493		Time of Receipt:	9:33 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
				Load Size (cu. yds./tons):	31.75
<b>Load 2:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 2:	<i>Jason Towner</i>	Time of Shipment:		<i>BRUCKMAN ANDERSON</i>	
Date of Shipment:	1-16-03	Time of Shipment: 11:25 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	1-16-03
Truck/Tractor Registration:	56467	Trailer Registration (if any): 34493		Time of Receipt:	1:38 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM
				Load Size (cu. yds./tons):	29.50
<b>Load 3:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 3:		Time of Shipment:			
Date of Shipment:		Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	<input type="checkbox"/> AM <input type="checkbox"/> PM
				Load Size (cu. yds./tons):	
<b>Load 4:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 4:		Time of Shipment:			
Date of Shipment:		Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	<input type="checkbox"/> AM <input type="checkbox"/> PM
				Load Size (cu. yds./tons):	
<b>Load 5:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 5:		Time of Shipment:			
Date of Shipment:		Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	<input type="checkbox"/> AM <input type="checkbox"/> PM
				Load Size (cu. yds./tons):	
<b>Load 6:</b>		Signature of Transporter Representative:		Receiving Facility/Temporary Storage Representative:	
Load 6:		Time of Shipment:			
Date of Shipment:		Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM		Date of Receipt:	
Truck/Tractor Registration:		Trailer Registration (if any):		Time of Receipt:	<input type="checkbox"/> AM <input type="checkbox"/> PM
				Load Size (cu. yds./tons):	

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

61.25  
575.95  
637.20

*SKEHAN*



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

12 OF 14

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1/16/03

Time of Shipment:

9:40

☒ AM ☐ PM

Truck/Tractor Registration:

40063 MA

Trailer Registration (if any):

22715 MA.

Receiving Facility/Temporary Storage Representative:

BRACKETT LANDFILL

Date of Receipt:

1-16-03

Time of Receipt:

9:58

☒ AM ☐ PM

Load Size (cu. yds./tons):

30.05

Load 2:

Signature of Transporter Representative:

Date of Shipment:

1/16/03

Time of Shipment:

1:20

☐ AM ☒ PM

Truck/Tractor Registration:

40063 MA

Trailer Registration (if any):

22715 MA.

Receiving Facility/Temporary Storage Representative:

BRACKETT LANDFILL

Date of Receipt:

1-16-03

Time of Receipt:

1:32

☐ AM ☒ PM

Load Size (cu. yds./tons):

28.57

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

58.62  
637.20  
695.82



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

51267R

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

13

OF

14

C Sign

☐ - N/A

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

1-16-03

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

1/16/03

Time of Receipt:

8:26

☒ AM ☐ PM

Truck/Tractor Registration:

308912

Trailer Registration (if any):

~~5577~~ 6745

Load Size (cu. yds./tons):

29.27

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

1-16-03

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

1-16-03

Time of Receipt:

1:16

☐ AM ☐ PM

Truck/Tractor Registration:

308912

Trailer Registration (if any):

6745

Load Size (cu. yds./tons):

30.22

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

59.59

695.82

755.41





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

*Cordis*

Release Tracking Number

SUMMARY SHEET

14 OF 14

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

1-16-03

Time of Shipment:

☒ AM ☐ PM

Date of Receipt:

1/16/03

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Load Size (cu. yds./tons):

#25.0

Load 2: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

1-16-03

Time of Shipment:

☒ AM ☐ PM

Date of Receipt:

1-16-03

Time of Receipt:

1:14

☐ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Load Size (cu. yds./tons):

28.10

Load 3: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

*Driver needs to sign*

Load Size (cu. yds./tons):

Load 4: Signature

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

53.50

Total Carried Forward (cu. yds./tons):

755.41

Total Carried Forward and This Page (cu. yds./tons):

808.91





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

☐ - ☒ N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *[Signature]*

Date of Shipment: *1-17-03* Time of Shipment: *6:40* ☒ AM ☐ PM

Truck/Tractor Registration: *48932* Trailer Registration (if any): *69795MA*

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt: *1-17-03* Time of Receipt: *9:23* ☐ AM ☒ PM

Load Size (cu. yds./tons): *35.97*

Load 2: Signature of Transporter Representative:

*[Signature]*

Date of Shipment: *1-17-03* Time of Shipment: ☐ AM ☒ PM

Truck/Tractor Registration: *48932-MA* Trailer Registration (if any): *69795MA*

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt: *1-17-03* Time of Receipt: ☐ AM ☒ PM

Load Size (cu. yds./tons): *32.66*

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

*68.63*

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

*68.63*



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

☐ - ☒ N/A

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

63-52  
68-63  
132-15



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 3 OF 7

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: Jim E. Marshall  
Date of Shipment: 1-17-03 Time of Shipment: 6:40 ☒ AM ☐ PM  
Truck/Tractor Registration: 50569 Trailer Registration (if any): 69798

Receiving Facility/Temporary Storage Representative:

BROCKTON MARIU JP  
Date of Receipt: 1-17-03 Time of Receipt: 9:19 ☐ AM ☐ PM  
Load Size (cu. yds./tons): 29.78

Load 2: Signature of Transporter Representative:

Jim E. Marshall  
Date of Shipment: 1-17-03 Time of Shipment: 11:15 ☒ AM ☐ PM  
Truck/Tractor Registration: 50569 Trailer Registration (if any): 69798

Receiving Facility/Temporary Storage Representative:

BROCKTON MARIU N  
Date of Receipt: 1-17-03 Time of Receipt: 29.22 ☐ AM ☐ PM  
Load Size (cu. yds./tons): 29.22

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

59.00

132.15

191.15





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET 4 OF 7

Release Tracking Number

☐ - N/A

*Heins*

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-17-03

Time of Shipment:

7:00

☒ AM ☐ PM

Truck/Tractor Registration:

33203

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

BROCKTON MRF

Date of Receipt:

1-17-03

Time of Receipt:

9:50

☐ AM ☒ PM

Load Size (cu. yds./tons):

28.52

Load 2: Signature of Transporter Representative:

Date of Shipment:

1-17-03

Time of Shipment:

12:00

☐ AM ☒ PM

Truck/Tractor Registration:

33203

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

BROCKTON MRF

Date of Receipt:

1-17-03

Time of Receipt:

1:41

☐ AM ☒ PM

Load Size (cu. yds./tons):

30.49

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

Truck/Tractor Registration:

Trailer Registration:

Receiving Facility/Temporary Storage Representative:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

*Driver needs to sign*

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

59.01

Total Carried Forward (cu. yds./tons):

191.15

Total Carried Forward and This Page (cu. yds./tons):

250.16



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

K+K

Release Tracking Number

SUMMARY SHEET 5 OF 7

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment: 1-17-03 Time of Shipment: 633

☒ AM ☐ PM

Truck/Tractor Registration: 20250 MA Trailer Registration (if any): 62915 MA

Receiving Facility/Temporary Storage Representative:

BROOKTALLANDER

Date of Receipt:

Time of Receipt:

1-17-03

9:10

☒ AM ☐ PM

Load Size (cu. yds./tons):

28.59

Load 2: Signature of Transporter Representative:

Date of Shipment: 1-17-03 Time of Shipment: 1125

☒ AM ☐ PM

Truck/Tractor Registration: 20250 MA Trailer Registration (if any): 62915 MA

Receiving Facility/Temporary Storage Representative:

BROOKTALLANDER

Date of Receipt:

Time of Receipt:

1-17-03

1:13

☐ AM ☒ PM

Load Size (cu. yds./tons):

27.77

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

56.36

250.16

306.52



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 6 OF 7

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-17-03

Time of Shipment:

6:24

☒ AM ☐ PM

Truck/Tractor Registration:

20781 MA

Trailer Registration (if any):

29858 MA

Receiving Facility/Temporary Storage Representative:

*BRADY LAMIN*

Date of Receipt:

1-17-03

Time of Receipt:

9:07

☐ AM ☒ PM

Load Size (cu. yds./tons):

28.50

Load 2:

Signature of Transporter Representative:

Date of Shipment:

1-17-03

Time of Shipment:

11:43

☒ AM ☐ PM

Truck/Tractor Registration:

20781 MA

Trailer Registration (if any):

29858 MA

Receiving Facility/Temporary Storage Representative:

*BRADY LAMIN*

Date of Receipt:

1-17-03

Time of Receipt:

1:09

☐ AM ☒ PM

Load Size (cu. yds./tons):

32.50

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

61.00

Total Carried Forward (cu. yds./tons):

306.52

Total Carried Forward and This Page (cu. yds./tons):

367.52





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

7 OF 7

0 - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *John Sullivan*  
Date of Shipment: *1/17/03* Time of Shipment: *6:10* ☒ AM ☐ PM  
Truck/Tractor Registration: *32908* Trailer Registration (if any): *69793*

Receiving Facility/Temporary Storage Representative:

*BROCKEN LANDFILL*  
Date of Receipt: *1-17-03* Time of Receipt: *8:29* ☐ AM ☐ PM  
Load Size (cu. yds./tons): *26.23*

Load 2: Signature of Transporter Representative:

*John Sullivan*  
Date of Shipment: *1/17/03* Time of Shipment: *10:30* ☒ AM ☐ PM  
Truck/Tractor Registration: *32908* Trailer Registration (if any): *69793*

Receiving Facility/Temporary Storage Representative:

*BROCKEN LANDFILL*  
Date of Receipt: *1-17-03* Time of Receipt: *12:30* ☐ AM ☐ PM  
Load Size (cu. yds./tons): *28.87*

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment: ☐ AM ☐ PM  
Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt: ☐ AM ☐ PM  
Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons): *55.10*  
Total Carried Forward (cu. yds./tons): *367.52*  
Total Carried Forward and This Page (cu. yds./tons): *422.62*

Carwe Bros' 40

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

## SUMMARY SHEET

OF

OF

Release Tracking Number

Release Tracking Number  
N/A  -

K. SUMMARY OF SHIPMENTS:

Date of Shipment:

Date of Receipt:

Number of Loads Shipped:

Daily Volume Shipped  
(cu. yds./tons):

[illegible]

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

## SUMMARY SHEET

2 OF 2

□ - N/A

K. SUMMARY OF SHIPMENTS:

Date of Shipment:

Date of Receipt:

Number of Loads Shipped:

Daily Volume Shipped  
(cu. yds./tons):

1/13/03	1/13/03	20	537.84
1/14/03	1/14/03	21	569.39
1/15/03	1/15/03	28	755.53
1/16/03	1/16/03	28	808.91
1/17/03	1/17/03	14	422.62
Summary Sheet Total Shipped:		111	3,094.29
Bill of Lading Total Shipped (only if different):		163	4,685.73





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

☐ - ☐ N/A

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print): NELS - THATCHER ST. LF - BROCKTON, MA

JANICE FARREN

Title: END. COOD.

Signature: *Janice Farren*

Date: 2/3/03

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON  
CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: *Jim Heneburg*

Date: 2/12/03

Name of Person (print): Jim Heneburg



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

Release Tracking Number

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

**A. LOCATION OF SITE OR DISPOSAL SITE WHERE REMEDIATION WASTE WAS GENERATED:**

Release Name (optional): Area of Concern 40 (AOC-40)

Street: Patton Road

Location Adj: Cold Spring Road

City/Town: Ayer

ZIP Code: 01432

Date/Period of Generation: 9/3/02

to: 1/21/03

**ORIGINAL**

Additional Release Tracking Numbers Associated with this Bill of Lading:

\* Note: If this Bill of Lading is the result of a Limited Removal Action (LRA) taken prior to Notification, a Release Tracking Number is not needed.

**B. PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

Name of Organization: Stone & Webster Construction, Inc.

Name of Contact: Jim Henebury

Title: \_\_\_\_\_

Street: 45 Patton Road

City/Town: Ayer

State: MA

ZIP Code: 01432

Telephone: (978) 284-0900

Ext.: 910

**C. RELATIONSHIP TO RELEASE OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH BILL OF LADING:**

☐ RP or PRP Specify: ☐ Owner ☐ Operator ☐ Generator ☐ Transporter ☐ Other RP or PRP: \_\_\_\_\_

☐ Fiduciary, Secured Lender or Municipality with Exempt Status (as defined by M.G.L. c. 21E, s. 2)

☐ Agency or Public Utility on a Right of Way (as defined by M.G.L. c. 21E, s. 5(j))

☒ Other Person: Contractor for Generator- US Army Corps of Engineers

If an owner and/or operator is not conducting the response action associated with the Bill of Lading, provide on an attachment the name, contact person, address and telephone number, including any area code and extension, for each, if known.

**D. TRANSPORTER OR COMMON CARRIER INFORMATION:**

Transporter/Common Carrier Name: Carney Bros. Trucking (DOT reg. # - 3171030)

Contact Person: Janice Farren

Title: Industrial Coordinator

Street: 1958 Broadway

City/Town: Raynham

State: MA

ZIP Code: 02767

Telephone: (508) 824-4071

Ext.: 197

**E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION:**

Operator/Facility Name: NELS- Thatcher Street Landfill

Contact Person: Janice Farren

Title: Industrial Coordinator

Street: Thatcher Street

City/Town: Brockton

State: MA

ZIP Code: 02128

Telephone: (508) 828-5075

Ext.: \_\_\_\_\_

Type of Facility:  
(check one)

☐ Asphalt Batch/Cold Mix

☐ Landfill/Disposal

☐ Incinerator

☐ Temporary Storage

☐ Asphalt Batch/Hot Mix

☒ Landfill/Daily Cover

☐ Other: \_\_\_\_\_

☐ Thermal Processing

☐ Landfill/Structural Fill

EPA Identification # \_\_\_\_\_

Division of Hazardous Waste/Class A Permit #: MA

Division of Solid Waste Management Permit #: ACC-SB-01-0005

Actual/Anticipated Period of Temporary Storage (specify dates if applicable): \_\_\_\_\_

(to: \_\_\_\_\_)

Reason for Temporary Storage: \_\_\_\_\_



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.00301)

Release Tracking Number

N/A

☐ ☐

E. RECEIVING FACILITY/TEMPORARY STORAGE LOCATION (continued): WATER FLORE

Temporary Storage Address:

Street: 15-35 CORBLER DRIVE - AKS RECYCLING, INC.

City/Town: FITCHBURG

State: MA

ZIP Code: 01420

F. DESCRIPTION OF REMEDIATION WASTE:

(check all that apply)

☒ Contaminated Media (check all that apply): ☒ Soil ☐ Groundwater ☐ Surface Water ☐ Other: \_\_\_\_\_

☒ Contaminated Debris (check all that apply): ☒ Vegetation or Organic Debris ☐ Demolition/Construction Waste  
☐ Inorganic Absorbent Materials ☐ Other: \_\_\_\_\_

☐ Non-hazardous Uncontainerized Waste (check all that apply): ☐ Non-aqueous Phase Liquid ☐ Other: \_\_\_\_\_

☐ Non-hazardous Containerized Waste (check all that apply): ☐ Tank Bottoms/Sludges ☐ Containers ☐ Drums  
☐ Engineered Impoundments ☐ Other: \_\_\_\_\_

Type of Contamination (check all that apply): ☐ Gasoline ☐ Diesel Fuel ☐ #2 Oil ☐ #4 Oil ☐ #6 Oil ☐ Waste Oil  
☐ Kerosene ☐ Jet Fuel ☒ Other: As, Pb, PAHs, PESTICIDES

Estimated Volume of Materials: Cubic Yards: 4,500 Tons: 6,000 Other: \_\_\_\_\_

Contaminant Source (check one/specify): ☐ Transportation Accident ☐ Underground Storage Tank ☒ Other: ASTOATIC FILL

Response Action Associated with Bill of Lading (check one): ☐ Immediate Response Action ☐ Release Abatement Measure

☐ Utility-Related Abatement Measure ☐ Limited Removal Action ☐ Comprehensive Response Action ☒ Other: N/A

Remediation Waste Characterization Support Documentation attached:

☐ Site History Information ☐ Sampling and Analytical Methods and Procedures ☒ Laboratory Data ☐ Field Screening Data

If supporting documentation is not appended, provide an attachment stating the date and in connection with what document such information was previously submitted to DEP.

G. LICENSED SITE PROFESSIONAL (LSP) OPINION:

Name of Organization: ATC Associates Inc.

LSP Name: Dennis P. Giustra

Title: Senior Project Engineer

Telephone: 781-932-9400 Ext.: 306

I attest under the pains and penalties of perjury that I have personally examined and am familiar with this submittal, 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

(iii) the provisions of 309 CMR 4.03(5),

to the best of my knowledge, information and belief, the assessment actions undertaken to characterize the Remediation Waste which is (are) the subject of this submittal for acceptance at the facility identified in this submittal comply with the applicable provisions of 310 CMR 40.0000, and such facility is permitted to accept Remediation Waste having the characteristics described in this submittal. I understand 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.

LSP Signature: Dennis P. Giustra

Seal:

Date: 12-18-02

License Number: 7051







Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012A

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

N/A

☐ - ☐

H. CERTIFICATION OF PERSON CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: \_\_\_\_\_

*[Signature]*

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

12/10/02

Name of Person (print): \_\_\_\_\_

Jim HENEBURY

RESPONSE ACTION NOT CONSIDERED COVERED UNDER  
MCP. DISPOSAL OF HISTORIC FILL ABOVE S-1  
CONDITIONS AND WITHIN UNLINED-LANDFILL  
SOIL REUSE GUIDELINES FOR DAILY COVER MATERIAL

MATERIAL GENERATED UNDER CERCLA CLEANUP FOR  
U.S. ARMY CORPS OF ENGINEERS UNDER THE  
DEVENS LANDFILL REMEDIATION PROJECT  
(CONTRACT NO. DACW33-97-D-002, DELIVERY  
ORDER NO. 10).

GENERATOR INFORMATION AS FOLLOWS:

US ARMY CORPS OF ENGINEERS  
50 MACARTHUR ROAD  
DEVENS, MA 01432  
(978) 772-0148

CONTACT: JOHN McDOWELL  
CONSTRUCTION REPRESENTATIVE



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 1 OF 7

☐ - ☐

*Heins*

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

I. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

57.11

57.11



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 2 OF 7

☐ - ☐

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

*Mike Gueth*

*Brockton Transfer*

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

*1-20-03*

*6:30*

☒ AM ☐ PM

*1-20-03*

*7:03*

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

*20781*

*29858*

Load Size (cu. yds./tons): *32.66*

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

*1-20-03*

*11:38*

☒ AM ☐ PM

*1-20-03*

*1:19*

☐ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

*20781*

*29858*

Load Size (cu. yds./tons): *31.07*

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

I. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons)

Total Carried Forward and This Page (cu. yds./tons)

*63.73*

*57.11*

*120.84*





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

3

OF

7

☐ - ☐

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment

1-20-03

Time of Shipment:

6:45

☒ AM

☐ PM

Truck/Tractor Registration:

50569

Trailer Registration (If any):

69798

Date of Receipt:

1-20-03

Time of Receipt:

9:01

☒ AM

☐ PM

Load Size (cu. yds./tons):

29.20

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment

1-20-03

Time of Shipment:

11:15

☒ AM

☐ PM

Truck/Tractor Registration:

50569

Trailer Registration (If any):

69798

Date of Receipt:

1-20-03

Time of Receipt:

☐ AM

☒ PM

Load Size (cu. yds./tons):

28.52

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (If any):

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (If any):

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (If any):

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (If any):

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

57.72

Total Carried Forward (cu. yds./tons):

120.84

Total Carried Forward and This Page (cu. yds./tons):

178.56



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 4 OF 7

☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *[Signature]*

Date of Shipment:

Time of Shipment:

*1-20-03*

*645*

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

*48932*

*69795 MA*

Receiving Facility/Temporary Storage Representative:

*Brookton InnoFile BWA*

Date of Receipt:

Time of Receipt:

*1-20-03*

*9:09*

☒ AM ☐ PM

Load Size (cu. yds./tons):

*32.57*

Load 2: Signature of Transporter Representative:

*[Signature]*

Date of Shipment:

Time of Shipment:

*1-20-03*

*11:25*

☒ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

*48932*

*69795 MA*

Receiving Facility/Temporary Storage Representative:

*Brookton InnoFile BWA*

Date of Receipt:

Time of Receipt:

*1-20-03*

*11:00*

☐ AM ☐ PM

Load Size (cu. yds./tons):

*31.94*

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

*64.51*

Total Carried Forward (cu. yds./tons):

*178.56*

Total Carried Forward and This Page (cu. yds./tons):

*243.07*



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

5 OF 7

☐ - ☐

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

Time of Shipment:

1-20-03

6:57

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

1-20-03

9:02

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

67538

74054

Load Size (cu. yds./tons):

31.71

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

1-20-03

11:13

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

1-20-03

☐ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

67538

74054

Load Size (cu. yds./tons):

27.99

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

I. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

59.70  
243.07  
302.77





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

6 OF 7

☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

I. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

53-18  
302.77  
355.95



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

7 OF 7

☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (If any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

Load 2:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (If any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

Load 3:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (If any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (If any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (If any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (If any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

64.51

355.95

420.46



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 1 OF 2

☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Time of Shipment:

1-21-03

6:50

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

50569

69798

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

1/21/03

9:48

☐ AM ☐ PM

Load Size (cu. yds./tons):

29.02

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

1-21-03

11:45

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

50569

69798

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

1/21/03

2:03

☐ AM ☒ PM

Load Size (cu. yds./tons):

29.61

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

I. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

58.63

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons)

58.63





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

CARNEY #34

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

2 OF 2

☐ - ☐

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

Date of Receipt:

Time of Receipt:

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

I. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

66.10  
58.63  
124.73

**BILL OF LADING** (pursuant to 310 CMR 40.0030)

Release Tracking Number

## SUMMARY SHEET

OF

☐ - ☐ N/A

**K. SUMMARY OF SHIPMENTS:**

Date of Shipment:

Date of Receipt:

**Number of Loads Shipped:**

Daily Volume Shipped  
(cu. yds./tons):

1/20/03

1/20/03

14

420.46

1/21/03

$$1/21/03$$

4

124.73

**Summary Sheet Total Shipped:**

18

545.19

Bill of Lading Total Shipped  
(only if different):



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012C

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

☐ - N/A

ONLY COMPLETE ONE COPY OF THIS PAGE AND ATTACH TO THE FINAL COPY OF THE SUMMARY SHEET.

L. ACKNOWLEDGMENT OF RECEIPT OF REMEDIATION WASTE AT RECEIVING FACILITY OR TEMPORARY STORAGE:

Receiving Facility/Temporary Storage Representative (print): NELS-THATCHER ST LF- BROCKTON, MA

JANICE FARREN

Title: IND. COOD.

Signature: *Janice Farren*

Date: 2/10/03

M. ACKNOWLEDGMENT OF SHIPMENT AND RECEIPT OF REMEDIATION WASTE BY PERSON  
CONDUCTING RESPONSE ACTION ASSOCIATED WITH THIS BILL OF LADING:

I certify under penalties of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material information contained in herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties, including, but not limited to, possible fines and imprisonment, for willfully submitting false, inaccurate, or incomplete information.

Signature: *Jim Henebury*

Date: 2/14/03

Name of Person (print): Jim Henebury



## **APPENDIX 8-D**

### **Off-Site Waste Disposal Profiles, Manifests and Bills of Lading – AOC 41**

## **APPENDIX 8-E**

### **Off-Site Waste Disposal Profiles, Manifests and Bills of Lading – SA 12**

256 AYER ROAD  
LITTLETON, MA 01460  
(978) 772-4251

Name Stone & Webster

Address AOC 17 DEVERNS

SOLD BY	CASH	C.O.D.	CHARGE	ON ACCT.	MDSE. RETD.	PAID OUT	
QUAN.	DESCRIPTION				PRICE	AMOUNT	
5	Loans of Tank Notes						
	R CASEY Trucking						
					TAX		
REC'D. BY	Paul				TOTAL		

ALL claims and returned goods MUST be accompanied by this bill.

11593

Thank You

Printed in U.S.A.



**6 Farnum Street  
S. GRAFTON, MA 01560  
Office (508) 839-5675  
PAGER (508) 327-5675**

STONK & WEBSTER 7-16-02

ADDRESS DEVENTS AOC 12

TRAILER LEAVES STAMPS OUT

☐ CASH   ☐ CHARGE   ☐ C.O.D.   ☐ ON ACCT.   ☐ MDSE. RETD.   ☐

CHASEY 2LOS


Not responsible for damage beyond curb line.

RECEIVED BY

TAX

30. 36

TOTAL

 To Reorder:  
800-25-6380 or nebs.com

## sales slip

W. L. BROWN, INC.

3 Farwell Drive  
BARTON, MA 01539  
Tel: 603/449-4673  
FACEL: 603/449-4673

NAME \_\_\_\_\_

W. L. WEBSTER

DATE \_\_\_\_\_

DATE 7-16-02

ADDRESS

5. 4403 ARC 12

STUMPS OUT

☐ CASH☐ CHARGE☐ C.O.D.☐ ON ACCT.☐ MDSE. RETD

--	--

[illegible]

thank you!

## **APPENDIX 8-F**

### **Off-Site Disposal Profiles, Manifests and Bills of Lading – SA 13**

ap Iron & Steel

200 V.F.W. HIGHWAY  
ROCKLAND, MA 02370  
TEL-0004 FAX (781) 356-4535

SELLER

BUYER

Stone & Webster

LOAD

ADDRESS

CITY

Revens

STATE

07149

05-12-01

ZIP

01000 18 3

07149

05-12-01

35940 18 3

SA-13

MARKS:

UCK NO.

DRIVER ON

☐

OFF

☐

WEIGHED BY

SCALE

TICKET # TPQVE6

chased From P10001  
CONTRACTING  
RANDOLPH RD.  
DOLPH

MA 02368

Everett Recycling Co.  
Recycling Today for the Future

69 Rover Street, P.O. Box 48  
Everett, Massachusetts 02149  
Phone (617) 388-3300

PROLIFE

69 ROVER STREET

EVERETT

617-388-3300

MA 02149

ID # 224

WIDITY  
UNREFINED NO

GROSS TARE NET  
8040A 49540A 30940

Stone & Webster  
LOAD

SA-13

DISPOSAL  
FEE

ALL WEIGHTS ARE REPORTED IN POUNDS UNLESS OTHERWISE INDICATED

TOTALS

8040A 49540 30940

W MASTER SIGNATURE

CUSTOMER SIGNATURE

D-SCALE 4 M-MANUAL WEIGHT

SUBJECT TO CONDITIONS AND DISCLAIMER ON BACK

GROSS Date 05/24/01  
GROSS Time 12:45  
GROSS TONS 13.8125  
GROSS Date 05/24/01  
GROSS Time 13:13



## **APPENDIX 9**

### **Seed Mixes**

LESCO INC. 15885 SPRAGUE ROAD STRONGSVILLE, OH. 44138

Product:

Item: 841722

\*\*CONSERVATION MIX

LOT NUMBER: 6-02-29

% PURITY	COMPONENT	% GERM	ORIGIN
39.47	CREEPING RED FESCUE	90.00	CN
24.87	ALLSPORT PERENNIAL RYEGRASS	90.00	OR
19.78	KENTUCKY BLUEGRASS	89.00	WA
9.96	ANNUAL RYEGRASS	90.00	OR
5.10	WHITE CLOVER	90.00	OR

OTHER INGREDIENTS

0.00 OTHER CROP SEEDS  
0.79 INERT MATTER  
0.05 WEED SEED

NOXIOUS WEEDS:

NONE FOUND

DATE TESTED: 12/01

AMS 835

NET WEIGHT: 50 LBS

SHIP TO: LESCO

GW

9006 Mercer Pike, Meadville, PA 16335-9299

(814) 336-2404 or (800) 873-3321

*NOT WETLAND*  
**Upland Mix 2**

ITEM	BOTANICAL NAME	PURITY	GERM	HARD	DORM	ORIGIN
Smooth Panicgrass	<i>Panicum dichotomiflorum</i>	19.11%	5%		88%	PA
Virginia Wild Rye	<i>Elymus virginicus</i>	14.79%	90%			PA
Peetongue, Tioga	<i>Panicum clandestinum</i>	9.85%	32%		60%	PA
Niagara Big Bluestem	<i>Andropogon gerardii</i> v. <i>Niagar</i>	8.69%	81%		6%	PA
Little Bluestem	<i>Andropogon scoparius</i> VNS	8.59%	84%		2%	WI
Wesley Indiangrass	<i>Sorghastrum nutans</i>	7.84%	34%		59%	MO
Common Broomsedge	<i>Andropogon virginicus</i>	4.68%	35%		56%	MO
Common Milkweed	<i>Asclepias syriaca</i>	4.59%	85%			PA
Prairie Cordgrass	<i>Spartina pectinata</i>	3.17%	95%			MN
Partridge Pea	<i>Chamaecrista fasciculata</i>	2.98%	15%	80%		MN
New York Aster	<i>Aster novi-belgii</i>	2.72%	40%			PA
Staghorn Sumac	<i>Rhus typhina</i>	1.00%	62%			PA
Northern Arrowwood	<i>Viburnum dentatum</i>	1.00%	90%			PA
Green Dogwood	<i>Cornus racemosa</i>	1.00%	56%			PA
Gray Birch	<i>Betula populifolia</i>					

OTHER CROP:

0.50%

NET WEIGHT: 50 LB

INERT MATTER:

9.03%

LOT NUMBER: LESC00164

WEED SEED:

0.46%

DATE TESTED: January 2001

PEA & VETCH INOCULANT MIXED IN - EXP. 12/01





# ERNST *Conservation Seeds*

9006 Mercer Pike, Meadville, PA 16335

(814) 336-2404

fax: (814) 336-5191

e-mail: [ernst@ernstseed.com](mailto:ernst@ernstseed.com)

(800) 873-3321

web: [www.ernstseed.com](http://www.ernstseed.com)

## Upland Mix 1

ITEM	PURITY	GERM	HERB	DORM	ORIGIN
Silky Dogwood	49.33%	73%			PA
Red Maple	19.89%	90%			PA
American Mannagrass	9.83%	70%			PA
Buttonbush	9.52%	80%			PA
Fringed Sedge (crinita)	2.90%	70%			PA
Lurid Sedge	2.45%	75%			PA
Joe Pye Weed	1.56%	56%			PA
Boneset	1.20%	70%			PA

OTHER CROP:

0.02%

NET WEIGHT: 35 LB

INERT MATTER:

3.28%

LOT NUMBER: LESC00163

WEED SEED:

0.02%

DATE TESTED: January 2001

*Seeds for Conservation Use.*



# Ernst Conservation Seed

9006 Mercer Pike, Meadville, PA 16335-9299

(814) 336-2404 or (800) 873-3321

## Upland Seed Mix

ITEM	BOTANICAL NAME	PURITY	GERM	HARD	DORM	ORIGIN
Shawnee Switchgrass	<i>Panicum virgatum</i> Shawnee	19.78%	30%		34%	PA
Riverbank Wild Rye	<i>Elymus riparius</i>	14.91%	94%		1%	PA
Deertongue, Tioga	<i>Panicum clandestinum</i>	9.98%	88%			PA
Itasca Little Bluestem-MN Eco	<i>Andropogon scoparius</i> Itasca-	8.78%	96%			MN
Niagara Big Bluestem	<i>Andropogon gerardii</i> y. Niagar	8.51%	77%		18%	MO
Nebraska 54 Indiangrass	<i>Sorghastrum nutans</i>	8.06%	47%		37%	MO
Common Milkweed	<i>Asclepias syriaca</i>	4.59%	87%			PA
Common Broomsedge	<i>Andropogon virginicus</i>	3.77%	95%			MO
Partridge Pea	<i>Chamaecrista fasciculata</i>	3.00%	57%	5%		PA
White Heath Aster	<i>Aster ericoides</i>	2.00%	15%		32%	PA
Prairie Cordgrass	<i>Spartina pectinata</i>	1.82%	91%			CN
Staghorn Sumac	<i>Rhus typhina</i>	1.00%	56%			PA
Northern Bayberry	<i>Myrica pensylvanica</i>	0.98%	77%			NJ
Pitch Pine	<i>Pinus rigida</i>	0.97%	99%			NY
Gray Birch	<i>Betula populifolia</i>	0.85%	66%			PA

OTHER CROP:

0.12%

NET WEIGHT: 50 LB

INERT MATTER:

10.80%

LOT NUMBER: GREE05204

WEED SEED:

0.08%

DATE TESTED: October 2001

## **APPENDIX 10**

### **Approval Letters for Revised Grading Plan – AOC 9**



Stone & Webster Construction, Inc.  
A Shaw Group Company  
Devens Landfill Remediation Project  
45 Patton Road  
Ayer, Massachusetts 01432  
(978) 784-0900 (978) 784-0999 Fax

Mr. Gary Morin, Construction Manager  
US Army Corps of Engineers - NE District  
50 MacArthur Boulevard  
Devens, Massachusetts 01432

February 12, 2002  
TFP 02-061

**USACE Contract DACW33-97-D-002, Delivery Order No. 0010**  
**Devens Landfill Remediation Project**  
**Devens, Massachusetts**  
**PROPOSED AOC-9 FINAL GRADING**

---

Dear Gary:

Stone & Webster Construction, Inc. (Stone & Webster) has revised the proposed grading plan as discussed at the project status meetings. MassDevelopment originally proposed this plan to bring the restored remedial area to above the flood plain elevation. Stone & Webster has provided four copies of the proposed drawing as revised by extending the subject slope back to the allowable limits per MassDevelopment's environmental consultant's review.

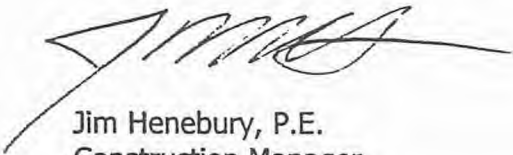
The revised plan shows grading the northwest slope to the allowable limits (125-feet beyond contract drawing design) as provided by MassDevelopment's environmental consultant. Since the slope grade drops as we extend back to the west, Stone & Webster will be able to provide sufficient volume of fill required to meet the intended grades of MassDevelopment's proposed finish grades. Stone & Webster will also be able to produce enough fill to eliminate our cost of purchasing our contractually committed volume (44,500 cy) from an outside source. The value of eliminating the cost for purchasing fill therefore reduces the overall contracted project cost to offset the additional work required to complete the proposed grading plan. A copy of the volume calculations is also provided with this letter. The following is a breakdown of our value assessment.

- Total Cost to Regrade/Fill/Compact MassDevelopment Grading Plan
  - 59,100 cy x \$2/cy = \$118,200
  - Tree Clearing = \$ 12,000
  - Testing = \$ 11,000 (Chemical/Geotechnical Analytical)
  - 20 Days x \$1,500/day = \$ 30,000 (Supervision, survey, engineering)
  - \$ 191,200 Additional Cost for Grading**
- Difference between MassDevelopment Grading Plan and Contract Finish Grading Plan
  - 6,100 cy Cut
  - 53,000 cy Fill
  - 46,900 cy Excess Fill**
- Stone & Webster Savings due to Fill Produced from MassDevelopment Grading
  - 44,500 cy x \$6/cy = (\$267,000) (Cost of fill from outside source)
  - = \$191,200 (MassDevelopment Extra Work)
  - (\$ 75,800) Savings by Regrading and using On-site Fill**

These savings do not account for over excavated quantities (currently 19,250 cy) due to extended depths of debris from original contract drawings. These savings could help offset the cost for additional fill needed to backfill the deeper excavation areas. The \$75,800 would equate to purchasing approximately 12,600 cy of extra fill. Concrete reuse, material segregated from the wetlands area and excess fill produced during grading of the north west slope would offset the remainder of the fill volume at AOC-9. Although fill prices were not provided in the original estimate, the cost was accounted for in the latest MOD request which could be reduced by at least \$75,800 if the proposed MassDevelopment grading plan was implemented.

Should you have any questions regarding this submittal or require further calculations and details, please do not hesitate to contact me at your convenience.

Sincerely,  
Stone & Webster Construction, Inc.



Jim Henebury, P.E.  
Construction Manager

Attachments

c: Project Correspondence



	Cut cu.yds	Fill cu.yds	Net cu.yds	Method	
=====					
VOLUME REPORT: USACE Final to USACE Excavation	(S&W CONTRACT VOLUMES)				
Stratum: USACE Final to Original					
20696	97597	76901 (F) Composite			
Stratum: Original to USACE Excavation					
125122	3730	121392 (C) Composite			
-----					
TOTAL	145818	101327	44491 (C) Composite		PURCHASE ~ 44,500 C

VOLUME REPORT: MADEV Final to USACE Excavation

Stratum: MADEV Final to Original					
26811	150598	123787 (F) Composite			
Stratum: Original to USACE Excavation					
125122	3730	121392 (C) Composite			
-----					
TOTAL	151933	154328	2395 (F) Composite		EXCESS ~ 2,400 C

VOLUME REPORT: USACE FINAL to MADEV FINAL (DIFFERENCE OF PROPOSED GRADING)

Stratum: USACE Final to MADEV Final					
6115	53001	46886 (F) Composite			

CUT	6,100 CY	
FILL	53,000 CY	
	59,100 CY	ADDITIONAL REQUIRED GRADING

46,900 CY EXCESS FILL PRODUCED

## **APPENDIX 11**

**MADEP Letter to USACE – August 13, 2001**



# MASSDEVELOPMENT

To: Mr. Ben Goff  
BRAC Environmental Office  
Bldg. 666  
30 Quebec Street  
Devens, MA 01432

Date: June 3, 2002

RE: AOC 9 Restoration Plan

**Devens**

43 Buena Vista Street  
Devens, Massachusetts  
01432

Tel: 978-772-6340  
Fax: 978-772-7577  
www.devencenter.com

**Main Office:**

75 Federal Street  
Boston, Massachusetts  
02110

Tel: 617-330-2000  
800-445-8030  
Fax: 617-330-2001

www.massdevelopment.com

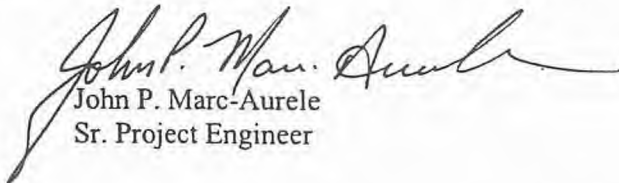
Dear Mr. Goff,

I have completed a review of the revised grading plan for AOC-9. The plan is consistent with the finish grades MassDevelopment has requested and with the additional clearing and excavation limits discussed at the landfill status meetings.

Attached is a letter from our environmental consultant confirming that there are no apparent wetlands within the area to be disturbed.

If you have any additional questions please feel free to call.

Sincerely,

  
John P. Marc-Aurele  
Sr. Project Engineer

Attachments: BEC Letter dated June 6, 2001

Copy: Alan Delaney  
Randy Godfrey  
Christine Johnson

Robert L. Beal  
Chairman

Michael P. Horgan  
President/CEO

JUN 11 2002

JUN 11 2002

LINE & VERSTER CONSTRUCTION  
23 EENS LANDFILL PROJECT



**BAYSTATE  
ENVIRONMENTAL  
CONSULTANTS  
INC.**

Civil Engineers  
Environmental  
Scientists

June 6, 2001

Mr. John Marc-Aurele  
MassDevelopment  
Devens Commerce Center  
43 Buena Vista Street  
Devens, MA

RE: Evaluation of Landfill Perimeter for Potential Wetland Resources  
BEC File No. 98-0314-12

Dear John:

As you are aware on June 5, 2001, I evaluated the westerly perimeter of the ongoing landfill operations north of Walker Road for the potential presence of regulated wetland resources. The area evaluated extended approximately 200 feet westerly of the existing perimeter road situated along top of the westerly face of the landfill operation (see attached site map). This entire margin was walked observing vegetation for the potential presence of wetland indicator tree, shrub, and herbaceous species. Predominately, the area was a mature to semi-mature upland forest area dominated by red oak, white pine, grey birch, huckleberry, low bush blueberry, witch hazel, bracken fern and hair cap moss. Soils were checked intermittently especially in lower level depression areas. Soils were typically loamy sands underlain by high chroma sand (7.5 YR 5/6). There were no indications of redoximorphic features either in the A or B horizons within 24 inches of the soil surface that might suggest hydric conditions. The topography of the area varied from moderately sloped areas to steeply sloped terrain with some lower lying depressions, all comprised of sandy outwash. Old dirt roads were present throughout the area generally oriented in north to south direction. There were some areas of compressed or filled soils in lower areas that sustained some hydrophytic vegetation (e.g. sedges, red maple, elderberry). However, all of these soils were consistently non-hydric in all cases. The only wetland observed during this investigation was in the extreme northwest area of the map (see figure) approximately 400 to 500 feet west northwest of the area of concern. This wetland is separated from the area of the landfill by a high sandy esker.

I hope that this information adequately addresses your concerns relative to the potential presence of wetland resources within the general project area. Should you have any questions regarding this analysis do not hesitate to contact this office.

Very truly yours,

BEC, Inc.

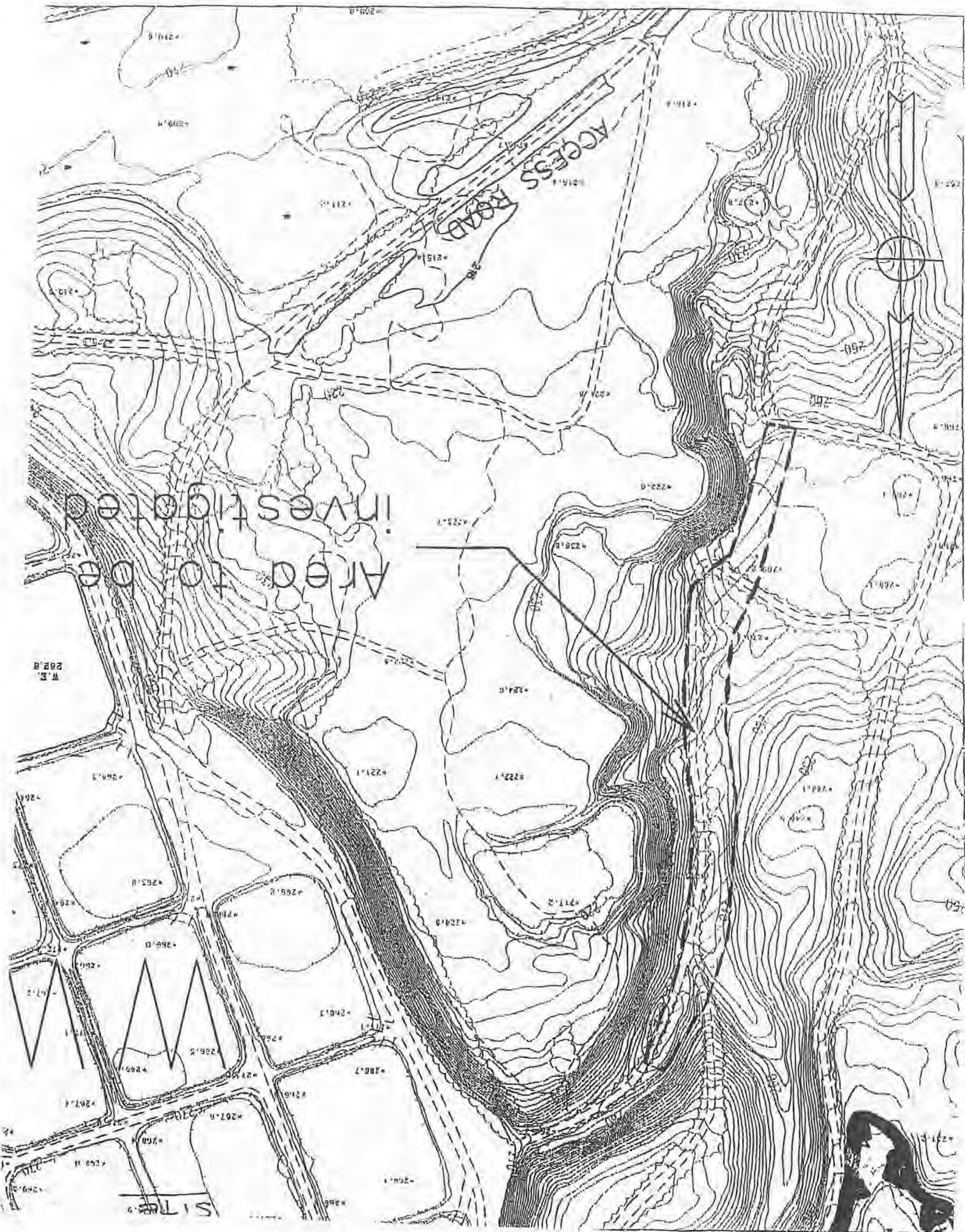
Paul G. Davis, Ph.D., P.W.S., CPSSc  
Senior Environmental Scientist

enclosure: locus map

296 North Main Street  
East Longmeadow, MA 01028  
Tel (413) 525-3822  
Fax (413) 525-8348

Other Office:  
East Hartford, CT







COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
Central Regional Office, 627 Main Street, Worcester, MA 01608

JANE SWIFT  
Governor

BOB DURAND  
Secretary

LAUREN A. LISS  
Commissioner

August 13, 2001

Mr. Benjamin F. Goff  
30 Quebec Street  
Box 100  
Devens, MA 01432

Re: Letter, James A. Morocco, August 7, 2001, Subject: Analytical Justification of Reuse of Barnum Road Stockpile and PAH Contaminated Soil Stockpile in the Devens Consolidation Landfill

Dear Mr. Goff,

The Massachusetts Department of Environmental Protection (MADEP) has reviewed the above referenced letter and concurs with the reuse of the Barnum Road and West Rail soil stockpiles as construction materials in the consolidation landfill consistent with the requirements of COMM-97-001, Reuse and Disposal of Contaminated Soil at Massachusetts Landfills, August 1997.

The historical analytical data summary presented in Mr. Morocco's letter indicates that a limited amount of the Barnum Road stockpile failed to meet COMM 97-001 standards for VOCs, TPH and PAHs at the time of excavation. Given the period of time that has elapsed since these soils were excavated and the fact that they were subsequently subjected to much mixing and movement, it is anticipated that the soils no longer exceed the contaminant levels detailed in Table 1 of COMM 97-001. However, to ensure that the requirements of the policy are being met, the MADEP recommends that both a laboratory and field sampling program be implemented for the Barnum Road soils to preclude the introduction of inappropriate material into the consolidation landfill. Although the West Rail soil already appear to meet the policy's requirements, it is recommended that these soils be subjected to the laboratory analyses noted in the Army's letter together with an appropriate level of fields screening.

The MADEP recommends that the laboratory program initiated for the Barnum Road soils incorporate at least five composite samples, per guidance outlined in DEP's Guidance for Disposal Site Risk Characterization, and be analyzed in accordance with the requirements of

This information is available in alternate format by calling our ADA Coordinator at (617) 574-6872.

<http://www.state.ma.us/dep> • Phone (508) 792-7650 • Fax (508) 792-7621 • TDD # (508) 767-2788

Printed on Recycled Paper

Table 1 of COMM 97-001. Field screening plans for the Barnum Road stockpile should incorporate the use of photoionization detector screening for VOCs and either immunoassay or turbidimetric screening for TPH. TPH screening should be conducted for composite samples from each 500 cubic yard aliquot of the Barnum Road soils. A similar program should be implemented for the West Rail stockpile. However, given the constituents of this pile, the collection of three laboratory samples and screening for only PAH/TPH would be appropriate.

Please contact the undersigned at (508) 767-2840 should you have any questions regarding the reuse of these soils.

Sincerely,

A handwritten signature in black ink, appearing to read "John Regan", with a stylized, flowing script.

John Regan  
Project Manager  
CERO Federal Facilities

cc: James Morocco, ACE  
Carol Keating, EPA  
Ron Ostrowski, MassDevelopment  
Randy Godfrey, ACE  
Gary Morin, ACE  
David Margolis, ACE

## **APPENDIX 12**

### **Barnum Road Stockpile Analytical Data**





11 Herrick Street, Merrimack, NH 03054  
TEL: (603) 424-2022 • FAX: (603) 429-8496

September 26, 2001

Jeffrey Shea  
Stone & Webster Construction Co.  
45 Patton Road  
Ayer, MA 01432  
TEL: (978) 784-0900  
FAX: (978) 784-0999

RE: 068511000 Devens Landfill

Order No.: 0109127

Dear Jeffrey Shea:

AMRO Environmental Laboratories Corp. received 6 samples on 9/19/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 71 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart  
Vice President / Lab Director

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Project:** 068511000 Devens Landfill**Lab Order:** 0109127**Date Received:** 9/19/01**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Collection Date
0109127-01A	DLRP-SP-196	9/18/01
0109127-01B	DLRP-SP-196	9/18/01
0109127-01C	DLRP-SP-196	9/18/01
0109127-01D	DLRP-SP-196	9/18/01
0109127-02A	DLRP-SP-197	9/18/01
0109127-02B	DLRP-SP-197	9/18/01
0109127-02C	DLRP-SP-197	9/18/01
0109127-02D	DLRP-SP-197	9/18/01
0109127-03A	DLRP-SP-198	9/18/01
0109127-03B	DLRP-SP-198	9/18/01
0109127-03C	DLRP-SP-198	9/18/01
0109127-03D	DLRP-SP-198	9/18/01
0109127-04A	DLRP-SP-199	9/18/01
0109127-04B	DLRP-SP-199	9/18/01
0109127-04C	DLRP-SP-199	9/18/01
0109127-04D	DLRP-SP-199	9/18/01
0109127-05A	DLRP-SP-200	9/18/01
0109127-05B	DLRP-SP-200	9/18/01
0109127-05C	DLRP-SP-200	9/18/01
0109127-05D	DLRP-SP-200	9/18/01
0109127-06A	TRIP BLANK	9/18/01

**CLIENT:** Stone & Webster Construction Co.

**Project:** 068511000 Devens Landfill

**Lab Order:** 0109127

**CASE NARRATIVE**

**MADEP-VPH**

1. The batch duplicate 0109105-03A had a recovery for the surrogate 2,5-Dibromotoluene outside the QC limits (70-130%).

**MADEP-EPH**

1. All samples received in clear glass containers as opposed to amber glass containers as specified by the method.
2. The batch duplicate sample (0109138-10) had most %RPD's above the QC limits due to sample specific non-homogeneity.

**GC/ECD-PESTICIDES**

1. The surrogate Decachlorobiphenyl recovered above the laboratory control limits (27-152%) in samples 0109127-03C, 0109127-04C, and 0109127-05C due to sample specific matrix interference.
2. Some compounds in the continuing calibration standards (CCV) recovered outside the +/- 15% criteria. The average for all analytes met criteria. Refer to the CCV summary sheets included. The rear column was used for quantitation.

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-196**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-01C**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010	SW6010B					Analyst: SJK
Arsenic	14	6.3		mg/Kg-dry	1	9/20/01 5:28:11 PM
Barium	ND	25		mg/Kg-dry	1	9/20/01 5:28:11 PM
Cadmium	ND	0.63		mg/Kg-dry	1	9/20/01 5:28:11 PM
Chromium	14	1.3		mg/Kg-dry	1	9/20/01 5:28:11 PM
Lead	17	3.1		mg/Kg-dry	1	9/20/01 5:28:11 PM
Selenium	ND	10		mg/Kg-dry	1	9/20/01 5:28:11 PM
Silver	ND	1.8		mg/Kg-dry	1	9/20/01 5:28:11 PM
MERCURY, 7471A	SW7471A					Analyst: RK
Mercury	ND	0.022		mg/Kg-dry	1	9/20/01
PERCENT MOISTURE	D2216					Analyst: JSL
Percent Moisture	2.5	0		wt%	1	9/20/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
= - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate



**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-02C

**Client Sample ID:** DLRP-SP-197**Collection Date:** 9/18/01**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: SJK
Arsenic	14	6.4		mg/Kg-dry	1	9/20/01 5:32:37 PM
Barium	ND	26		mg/Kg-dry	1	9/20/01 5:32:37 PM
Cadmium	ND	0.64		mg/Kg-dry	1	9/20/01 5:32:37 PM
Chromium	14	1.3		mg/Kg-dry	1	9/20/01 5:32:37 PM
Lead	14	3.2		mg/Kg-dry	1	9/20/01 5:32:37 PM
Selenium	ND	10		mg/Kg-dry	1	9/20/01 5:32:37 PM
Silver	ND	1.8		mg/Kg-dry	1	9/20/01 5:32:37 PM
MERCURY, 7471A		SW7471A				Analyst: RK
Mercury	ND	0.025		mg/Kg-dry	1	9/20/01
PERCENT MOISTURE		D2216				Analyst: JSL
Percent Moisture	7.0	0		wt%	1	9/20/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-198

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-03C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B		Analyst: SJK		
Arsenic	19	6.5		mg/Kg-dry	1	9/20/01 5:37:02 PM
Barium	ND	26		mg/Kg-dry	1	9/20/01 5:37:02 PM
Cadmium	ND	0.65		mg/Kg-dry	1	9/20/01 5:37:02 PM
Chromium	14	1.3		mg/Kg-dry	1	9/20/01 5:37:02 PM
Lead	23	3.2		mg/Kg-dry	1	9/20/01 5:37:02 PM
Selenium	ND	10		mg/Kg-dry	1	9/20/01 5:37:02 PM
Silver	ND	1.8		mg/Kg-dry	1	9/20/01 5:37:02 PM
MERCURY, 7471A		SW7471A		Analyst: RK		
Mercury	0.041	0.026		mg/Kg-dry	1	9/20/01
PERCENT MOISTURE		D2216		Analyst: JSL		
Percent Moisture	5.7	0		wt%	1	9/20/01

## Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-04C

**Client Sample ID:** DLRP-SP-199  
**Collection Date:** 9/18/01  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B			Analyst: SJK	
Arsenic	13	6.4		mg/Kg-dry	1	9/20/01 5:41:26 PM
Barium	ND	25		mg/Kg-dry	1	9/20/01 5:41:26 PM
Cadmium	ND	0.64		mg/Kg-dry	1	9/20/01 5:41:26 PM
Chromium	13	1.3		mg/Kg-dry	1	9/20/01 5:41:26 PM
Lead	22	3.2		mg/Kg-dry	1	9/20/01 5:41:26 PM
Selenium	ND	10		mg/Kg-dry	1	9/20/01 5:41:26 PM
Silver	ND	1.8		mg/Kg-dry	1	9/20/01 5:41:26 PM
MERCURY, 7471A		SW7471A			Analyst: RK	
Mercury	0.055	0.026		mg/Kg-dry	1	9/20/01
PERCENT MOISTURE		D2216			Analyst: JSL	
Percent Moisture	5.9	0		wt%	1	9/20/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-200

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-05C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B				Analyst: SJK
Arsenic	15	6.4		mg/Kg-dry	1	9/20/01 5:53:26 PM
Barium	ND	26		mg/Kg-dry	1	9/20/01 5:53:26 PM
Cadmium	ND	0.64		mg/Kg-dry	1	9/20/01 5:53:26 PM
Chromium	15	1.3		mg/Kg-dry	1	9/20/01 5:53:26 PM
Lead	28	3.2		mg/Kg-dry	1	9/20/01 5:53:26 PM
Selenium	ND	10		mg/Kg-dry	1	9/20/01 5:53:26 PM
Silver	ND	1.8		mg/Kg-dry	1	9/20/01 5:53:26 PM
MERCURY, 7471A		SW7471A				Analyst: RK
Mercury	0.058	0.025		mg/Kg-dry	1	9/20/01
PERCENT MOISTURE		D2216				Analyst: JSL
Percent Moisture	5.7	0		wt%	1	9/20/01

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-01A

Client Sample ID: DLRP-SP-196

Collection Date: 9/18/01

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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## VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVEL SW8260B

Analyst: SK

Dichlorodifluoromethane	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
Chloromethane	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
Vinyl chloride	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Chloroethane	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
Bromomethane	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
Trichlorofluoromethane	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
Diethyl ether	ND	220		µg/Kg-dry	1	9/24/01 1:54:00 PM
Acetone	ND	220		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,1-Dichloroethene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Carbon disulfide	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
Methylene chloride	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
Methyl tert-butyl ether	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
trans-1,2-Dichloroethene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,1-Dichloroethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Tertiary Butanol	ND	2,200		µg/Kg-dry	1	9/24/01 1:54:00 PM
2-Butanone	ND	220		µg/Kg-dry	1	9/24/01 1:54:00 PM
Diisopropyl ether	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
2,2-Dichloropropane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
cis-1,2-Dichloroethene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Ethyl Tertiary Butyl Ether	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
Chloroform	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Tetrahydrofuran	ND	220		µg/Kg-dry	1	9/24/01 1:54:00 PM
Bromochloromethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,1,1-Trichloroethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,1-Dichloropropene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Carbon tetrachloride	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,2-Dichloroethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Benzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Trichloroethene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,2-Dichloropropane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Bromodichloromethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Dibromomethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Tertiary Amyl Methyl Ether	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
4-Methyl-2-pentanone	ND	220		µg/Kg-dry	1	9/24/01 1:54:00 PM
cis-1,3-Dichloropropene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Toluene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
trans-1,3-Dichloropropene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,1,2-Trichloroethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-196

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-01A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
2-Hexanone	ND	220		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,3-Dichloropropane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Tetrachloroethene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Dibromochloromethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Chlorobenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,1,1,2-Tetrachloroethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Ethylbenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
m,p-Xylene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
o-Xylene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Styrene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Bromoform	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Isopropylbenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,1,1,2-Tetrachloroethane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,2,3-Trichloropropane	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Bromobenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
n-Propylbenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
2-Chlorotoluene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
4-Chlorotoluene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,3,5-Trimethylbenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
tert-Butylbenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,2,4-Trimethylbenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
sec-Butylbenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
4-Isopropyltoluene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,3-Dichlorobenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,4-Dichlorobenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
n-Butylbenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,2-Dichlorobenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,2-Dibromo-3-chloropropane	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,2,4-Trichlorobenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Hexachlorobutadiene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM
Naphthalene	ND	45		µg/Kg-dry	1	9/24/01 1:54:00 PM
1,2,3-Trichlorobenzene	ND	22		µg/Kg-dry	1	9/24/01 1:54:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-02A

Client Sample ID: DLRP-SP-197

Collection Date: 9/18/01

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVEL SW8260B						Analyst: SK
Dichlorodifluoromethane	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
Chloromethane	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
Vinyl chloride	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Chloroethane	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
Bromomethane	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
Trichlorofluoromethane	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
Diethyl ether	ND	250		µg/Kg-dry	1	9/24/01 2:31:00 PM
Acetone	ND	250		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,1-Dichloroethene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Carbon disulfide	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
Methylene chloride	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
Methyl tert-butyl ether	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
trans-1,2-Dichloroethene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,1-Dichloroethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Tertiary Butanol	ND	2,500		µg/Kg-dry	1	9/24/01 2:31:00 PM
2-Butanone	ND	250		µg/Kg-dry	1	9/24/01 2:31:00 PM
Diisopropyl ether	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
2,2-Dichloropropane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
cis-1,2-Dichloroethene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Ethyl Tertiary Butyl Ether	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
Chloroform	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Tetrahydrofuran	ND	250		µg/Kg-dry	1	9/24/01 2:31:00 PM
Bromochloromethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,1,1-Trichloroethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,1-Dichloropropene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Carbon tetrachloride	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,2-Dichloroethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Benzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Trichloroethene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,2-Dichloropropane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Bromodichloromethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Dibromomethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Tertiary Amyl Methyl Ether	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
4-Methyl-2-pentanone	ND	250		µg/Kg-dry	1	9/24/01 2:31:00 PM
cis-1,3-Dichloropropene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Toluene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
trans-1,3-Dichloropropene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,1,2-Trichloroethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-197**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-02A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
2-Hexanone	ND	250		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,3-Dichloropropane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Tetrachloroethene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Dibromochloromethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Chlorobenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,1,1,2-Tetrachloroethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Ethylbenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
m,p-Xylene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
o-Xylene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Styrene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Bromoform	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Isopropylbenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,1,2,2-Tetrachloroethane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,2,3-Trichloropropane	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Bromobenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
n-Propylbenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
2-Chlorotoluene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
4-Chlorotoluene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,3,5-Trimethylbenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
tert-Butylbenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,2,4-Trimethylbenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
sec-Butylbenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
4-Isopropyltoluene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,3-Dichlorobenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,4-Dichlorobenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
n-Butylbenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,2-Dichlorobenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,2-Dibromo-3-chloropropane	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,2,4-Trichlorobenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Hexachlorobutadiene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM
Naphthalene	ND	50		µg/Kg-dry	1	9/24/01 2:31:00 PM
1,2,3-Trichlorobenzene	ND	25		µg/Kg-dry	1	9/24/01 2:31:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate



# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-03A

Client Sample ID: DLRP-SP-198

Collection Date: 9/18/01

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVEL SW8260B						Analyst: SK
Dichlorodifluoromethane	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
Chloromethane	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
Vinyl chloride	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Chloroethane	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
Bromomethane	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
Trichlorofluoromethane	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
Diethyl ether	ND	280		µg/Kg-dry	1	9/25/01 2:18:00 PM
Acetone	ND	280		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,1-Dichloroethene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Carbon disulfide	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
Methylene chloride	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
Methyl tert-butyl ether	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
trans-1,2-Dichloroethene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,1-Dichloroethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Tertiary Butanol	ND	2,800		µg/Kg-dry	1	9/25/01 2:18:00 PM
2-Butanone	ND	280		µg/Kg-dry	1	9/25/01 2:18:00 PM
Diisopropyl ether	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
2,2-Dichloropropane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
cis-1,2-Dichloroethene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Ethyl Tertiary Butyl Ether	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
Chloroform	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Tetrahydrofuran	ND	280		µg/Kg-dry	1	9/25/01 2:18:00 PM
Bromochloromethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,1,1-Trichloroethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,1-Dichloropropene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Carbon tetrachloride	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,2-Dichloroethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Benzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Trichloroethene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,2-Dichloropropane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Bromodichloromethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Dibromomethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Tertiary Amyl Methyl Ether	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
4-Methyl-2-pentanone	ND	280		µg/Kg-dry	1	9/25/01 2:18:00 PM
cis-1,3-Dichloropropene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Toluene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
trans-1,3-Dichloropropene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,1,2-Trichloroethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-198**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-03A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
2-Hexanone	ND	280		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,3-Dichloropropane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Tetrachloroethene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Dibromochloromethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Chlorobenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,1,1,2-Tetrachloroethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Ethylbenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
m,p-Xylene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
o-Xylene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Styrene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Bromoform	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Isopropylbenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,1,2,2-Tetrachloroethane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,2,3-Trichloropropane	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Bromobenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
n-Propylbenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
2-Chlorotoluene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
4-Chlorotoluene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,3,5-Trimethylbenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
tert-Butylbenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,2,4-Trimethylbenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
sec-Butylbenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
4-Isopropyltoluene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,3-Dichlorobenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,4-Dichlorobenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
n-Butylbenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,2-Dichlorobenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,2-Dibromo-3-chloropropane	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,2,4-Trichlorobenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Hexachlorobutadiene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM
Naphthalene	ND	56		µg/Kg-dry	1	9/25/01 2:18:00 PM
1,2,3-Trichlorobenzene	ND	28		µg/Kg-dry	1	9/25/01 2:18:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

= - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-199

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-04A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVEL SW8260B						Analyst: SK
Dichlorodifluoromethane	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
Chloromethane	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
Vinyl chloride	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Chloroethane	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
Bromomethane	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
Trichlorofluoromethane	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
Diethyl ether	ND	280		µg/Kg-dry	1	9/24/01 3:44:00 PM
Acetone	ND	280		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,1-Dichloroethene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Carbon disulfide	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
Methylene chloride	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
Methyl tert-butyl ether	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
trans-1,2-Dichloroethene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,1-Dichloroethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Tertiary Butanol	ND	2,800		µg/Kg-dry	1	9/24/01 3:44:00 PM
2-Butanone	ND	280		µg/Kg-dry	1	9/24/01 3:44:00 PM
Diisopropyl ether	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
2,2-Dichloropropane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
cis-1,2-Dichloroethene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Ethyl Tertiary Butyl Ether	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
Chloroform	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Tetrahydrofuran	ND	280		µg/Kg-dry	1	9/24/01 3:44:00 PM
Bromochloromethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,1,1-Trichloroethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,1-Dichloropropene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Carbon tetrachloride	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,2-Dichloroethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Benzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Trichloroethene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,2-Dichloropropane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Bromodichloromethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Dibromomethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Tertiary Amyl Methyl Ether	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
4-Methyl-2-pentanone	ND	280		µg/Kg-dry	1	9/24/01 3:44:00 PM
cis-1,3-Dichloropropene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Toluene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
trans-1,3-Dichloropropene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,1,2-Trichloroethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

f - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-199**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-04A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
2-Hexanone	ND	280		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,3-Dichloropropane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Tetrachloroethene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Dibromochloromethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Chlorobenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,1,1,2-Tetrachloroethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Ethylbenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
m,p-Xylene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
o-Xylene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Styrene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Bromoform	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Isopropylbenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,1,2,2-Tetrachloroethane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,2,3-Trichloropropane	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Bromobenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
n-Propylbenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
2-Chlorotoluene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
4-Chlorotoluene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,3,5-Trimethylbenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
tert-Butylbenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,2,4-Trimethylbenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
sec-Butylbenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
4-Isopropyltoluene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,3-Dichlorobenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,4-Dichlorobenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
n-Butylbenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,2-Dichlorobenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,2-Dibromo-3-chloropropane	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,2,4-Trichlorobenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Hexachlorobutadiene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM
Naphthalene	ND	56		µg/Kg-dry	1	9/24/01 3:44:00 PM
1,2,3-Trichlorobenzene	ND	28		µg/Kg-dry	1	9/24/01 3:44:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded  
RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative



# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-05A

**Client Sample ID:** DLRP-SP-200

**Collection Date:** 9/18/01

**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVEL SW8260B						Analyst: SK
Dichlorodifluoromethane	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
Chloromethane	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
Vinyl chloride	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Chloroethane	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
Bromomethane	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
Trichlorofluoromethane	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
Diethyl ether	ND	240		µg/Kg-dry	1	9/24/01 4:21:00 PM
Acetone	ND	240		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,1-Dichloroethene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Carbon disulfide	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
Methylene chloride	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
Methyl tert-butyl ether	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
trans-1,2-Dichloroethene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,1-Dichloroethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Tertiary Butanol	ND	2,400		µg/Kg-dry	1	9/24/01 4:21:00 PM
2-Butanone	ND	240		µg/Kg-dry	1	9/24/01 4:21:00 PM
Diisopropyl ether	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
2,2-Dichloropropane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
cis-1,2-Dichloroethene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Ethyl Tertiary Butyl Ether	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
Chloroform	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Tetrahydrofuran	ND	240		µg/Kg-dry	1	9/24/01 4:21:00 PM
Bromochloromethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,1,1-Trichloroethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,1-Dichloropropene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Carbon tetrachloride	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,2-Dichloroethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Benzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Trichloroethene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,2-Dichloropropane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Bromodichloromethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Dibromomethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Tertiary Amyl Methyl Ether	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
4-Methyl-2-pentanone	ND	240		µg/Kg-dry	1	9/24/01 4:21:00 PM
cis-1,3-Dichloropropene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Toluene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
trans-1,3-Dichloropropene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,1,2-Trichloroethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-200**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-05A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
2-Hexanone	ND	240		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,3-Dichloropropane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Tetrachloroethene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Dibromochloromethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Chlorobenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,1,1,2-Tetrachloroethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Ethylbenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
m,p-Xylene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
o-Xylene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Styrene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Bromoform	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Isopropylbenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,1,2,2-Tetrachloroethane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,2,3-Trichloropropane	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Bromobenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
n-Propylbenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
2-Chlorotoluene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
4-Chlorotoluene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,3,5-Trimethylbenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
tert-Butylbenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,2,4-Trimethylbenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
sec-Butylbenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
4-Isopropyltoluene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,3-Dichlorobenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,4-Dichlorobenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
n-Butylbenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,2-Dichlorobenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,2-Dibromo-3-chloropropane	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,2,4-Trichlorobenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Hexachlorobutadiene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM
Naphthalene	ND	48		µg/Kg-dry	1	9/24/01 4:21:00 PM
1,2,3-Trichlorobenzene	ND	24		µg/Kg-dry	1	9/24/01 4:21:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

≠ - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-06A

**Client Sample ID:** TRIP BLANK  
**Collection Date:** 9/18/01  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVE SW8260B						Analyst: SK
Dichlorodifluoromethane	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
Chloromethane	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
Vinyl chloride	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Chloroethane	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
Bromomethane	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
Trichlorofluoromethane	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
Diethyl ether	ND	250		µg/Kg	1	9/24/01 1:18:00 PM
Acetone	ND	250		µg/Kg	1	9/24/01 1:18:00 PM
1,1-Dichloroethene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Carbon disulfide	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
Methylene chloride	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
Methyl tert-butyl ether	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
trans-1,2-Dichloroethene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,1-Dichloroethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Tertiary Butanol	ND	2,500		µg/Kg	1	9/24/01 1:18:00 PM
2-Butanone	ND	250		µg/Kg	1	9/24/01 1:18:00 PM
Diisopropyl ether	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
2,2-Dichloropropane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
cis-1,2-Dichloroethene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Ethyl Tertiary Butyl Ether	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
Chloroform	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Tetrahydrofuran	ND	250		µg/Kg	1	9/24/01 1:18:00 PM
Bromochloromethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,1,1-Trichloroethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,1-Dichloropropene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Carbon tetrachloride	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,2-Dichloroethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Benzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Trichloroethene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,2-Dichloropropane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Bromodichloromethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Dibromomethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Tertiary Amyl Methyl Ether	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
4-Methyl-2-pentanone	ND	250		µg/Kg	1	9/24/01 1:18:00 PM
cis-1,3-Dichloropropene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Toluene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
trans-1,3-Dichloropropene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,1,2-Trichloroethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
H - Method prescribed holding time exceeded # - See Case Narrative  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: TRIP BLANK

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-06A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
2-Hexanone	ND	250		µg/Kg	1	9/24/01 1:18:00 PM
1,3-Dichloropropane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Tetrachloroethene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Dibromochloromethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Chlorobenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,1,1,2-Tetrachloroethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Ethylbenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
m,p-Xylene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
o-Xylene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Styrene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Bromoform	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Isopropylbenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,1,2,2-Tetrachloroethane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,2,3-Trichloropropane	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Bromobenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
n-Propylbenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
2-Chlorotoluene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
4-Chlorotoluene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,3,5-Trimethylbenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
tert-Butylbenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,2,4-Trimethylbenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
sec-Butylbenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
4-Isopropyltoluene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,3-Dichlorobenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,4-Dichlorobenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
n-Butylbenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,2-Dichlorobenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
1,2-Dibromo-3-chloropropane	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
1,2,4-Trichlorobenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Hexachlorobutadiene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM
Naphthalene	ND	50		µg/Kg	1	9/24/01 1:18:00 PM
1,2,3-Trichlorobenzene	ND	25		µg/Kg	1	9/24/01 1:18:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

= - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-196**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-01A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>GASOLINE RANGE ORGANICS (MODIFIED 8260B SW8260B</b>						Analyst: <b>SK</b>
Gasoline Range Organics	ND	2.2		mg/Kg-dry	1	9/20/01 4:49:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

T.K. #54

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

2 OF 4

□ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: *[Signature]*

Date of Shipment

Time of Shipment:

1-8-03

7:50

☒ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

68932

69795MA

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt:

Time of Receipt:

01/08/03

10:34

☐ AM

☐ PM

Load Size (cu. yds./tons):

28.38

Load 2: Signature of Transporter Representative:

*[Signature]*

Date of Shipment

Time of Shipment:

1-8-03

1:30

☐ AM

☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

68932

69795MA

Receiving Facility/Temporary Storage Representative:

*[Signature]*

Date of Receipt:

Time of Receipt:

01/08/03

3:11

☐ AM

☒ PM

Load Size (cu. yds./tons):

34.44

Load 3: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM

☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM

☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

62.82

Total Carried Forward (cu. yds./tons):

59.60

Total Carried Forward and This Page (cu. yds./tons):

122.42



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 3 OF 4

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Time of Shipment:

1-8-03

2:35

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

# 209

# 27.76

Receiving Facility/Temporary Storage Representative:

BRACKTON LANDFILL PM

Date of Receipt:

Time of Receipt:

01/08/03

10.24

☐ AM ☒ PM

Load Size (cu. yds./tons):

27.76

Load 2: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

1-8-03

12:53

☐ AM ☒ PM

Truck/Tractor Registration:

Trailer Registration (if any):

# 209

Receiving Facility/Temporary Storage Representative:

Brackton Landfill (MF)

Date of Receipt:

Time of Receipt:

01/08/03

302

☐ AM ☒ PM

Load Size (cu. yds./tons):

33.21

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

60.97

122.42

183.39



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

4 OF 4

□ - N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-8-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*Jon E. Marshall*

Time of Shipment:

7:30

☒ AM ☐ PM

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*BROCKTON LANDFILL*

Date of Receipt:

01/08/03

Time of Receipt:

10:27

☐ AM ☒ PM

Load Size (cu. yds./tons):

#27.70

Load 2:

Date of Shipment:

1-8-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*Jon E. Marshall*

Time of Shipment:

☐ AM ☐ PM

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*BROCKTON LANDFILL*

Date of Receipt:

01/08/03

Time of Receipt:

3:00

☐ AM ☐ PM

Load Size (cu. yds./tons):

32.71

Load 3:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

60.41

Total Carried Forward (cu. yds./tons):

183.39

Total Carried Forward and This Page (cu. yds./tons):

243.80





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

OF

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment: 1-9-03 Time of Shipment: 7:00

Truck/Tractor Registration: 20250 Trailer Registration (if any): 62915

Receiving Facility/Temporary Storage Representative:

ROCKY LAMPIN

Date of Receipt: 1/9/03 Time of Receipt: 10:17

Load Size (cu. yds./tons): 30.89

Load 2: Signature of Transporter Representative:

Date of Shipment: 1-9-03 Time of Shipment: 12:35

Truck/Tractor Registration: 20250 Trailer Registration (if any): 62915

Receiving Facility/Temporary Storage Representative:

ROCKY LAMPIN

Date of Receipt: 1-9-03 Time of Receipt: 3:14

Load Size (cu. yds./tons): 31.57

Load 3: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment: Time of Shipment:

Truck/Tractor Registration: Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt: Time of Receipt:

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

62.46

62.46



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

2 OF 10

□ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-9-2003

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

29380 MA

Trailer Registration (if any):

10347 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1-9-03

Time of Receipt:

10:17

☒ AM ☐ PM

Load Size (cu. yds./tons):

31.08

Load 2:

Signature of Transporter Representative:

Date of Shipment:

1-9-2002

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

29380 MA

Trailer Registration (if any):

10347 MA

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1-9-03

Time of Receipt:

3:11

☐ AM ☒ PM

Load Size (cu. yds./tons):

29.01

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

60.01

Total Carried Forward (cu. yds./tons):

62.46

Total Carried Forward and This Page (cu. yds./tons):

122.47



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET 3 OF 10

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

1-9-03

Time of Shipment:

7:08

☒ AM ☐ PM

Truck/Tractor Registration:

20781

Trailer Registration (if any):

29858

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1/9/03

Time of Receipt:

10:14

☐ AM ☐ PM

Load Size (cu. yds./tons):

36.61

Load 2: Signature of Transporter Representative:

Date of Shipment:

1-9-03

Time of Shipment:

12:27

☐ AM ☒ PM

Truck/Tractor Registration:

20781

Trailer Registration (if any):

29858

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1/9/02

Time of Receipt:

3:00

☐ AM ☒ PM

Load Size (cu. yds./tons):

#32.63

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

69.24

Total Carried Forward (cu. yds./tons)

122.47

Total Carried Forward and This Page (cu. yds./tons)

191.71





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

4

OF

10

☐ - N/A

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (if any):

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Truck/Tractor Registration:

Time of Shipment:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

67.29

191.71

259.00





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

5 OF 10

☐ - ☒ N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

1-9-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*John E. Marshall*

Time of Shipment:

6:30

☒ AM ☐ PM

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*BROCKTON LANDFILL*

Date of Receipt:

1/9/03

Time of Receipt:

9:39

☐ AM ☒ PM

Load Size (cu. yds./tons):

30.49

Load 2:

Date of Shipment:

1-9-03

Truck/Tractor Registration:

50569

Signature of Transporter Representative:

*John E. Marshall*

Time of Shipment:

11:30

☒ AM ☐ PM

Trailer Registration (if any):

69798

Receiving Facility/Temporary Storage Representative:

*BROCKTON LANDFILL*

Date of Receipt:

1/9/03

Time of Receipt:

2:15

☐ AM ☒ PM

Load Size (cu. yds./tons):

31.61

Load 3:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

62.10

Total Carried Forward (cu. yds./tons):

259.00

Total Carried Forward and This Page (cu. yds./tons):

321.10

CARVEY 42 #



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

6 OF 10

☐ - N/A

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1: John S.

Date of Shipment

Time of Shipment:

1-9-03 630

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

32908 69793

Receiving Facility/Temporary Storage Representative:

~~CRANFORD BROS~~

Date of Receipt:

Time of Receipt:

11/2/03

9:35

☒ AM ☐ PM

Load Size (cu. yds./tons):

26.5

Load 2: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

1/9/03 1140

☒ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

32908 69793

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

Time of Receipt:

11/9/03

2:11

☐ AM ☒ PM

Load Size (cu. yds./tons):

33.80

Load 3: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

60.35

Total Carried Forward (cu. yds./tons):

321.10

Total Carried Forward and This Page (cu. yds./tons):

381.45



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

7 OF 10

□ - N/A

I. LOAD INFORMATION:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Load 1:

Date of Shipment:

1-09-03

Time of Shipment:

7:00

☒ AM ☐ PM

Date of Receipt:

1/9/02

Time of Receipt:

10:02

☐ AM ☒ PM

Truck/Tractor Registration:

MA H 33169

Trailer Registration (if any):

MA 30021

Load Size (cu. yds./tons):

34.70

Load 2:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

1-09-03

Time of Shipment:

11:45

☒ AM ☐ PM

Date of Receipt:

1/9/02

Time of Receipt:

1:49

☐ AM ☒ PM

Truck/Tractor Registration:

MA H 33169

Trailer Registration (if any):

MA 30021

Load Size (cu. yds./tons):

31.65

Load 3:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Receiving Facility/Temporary Storage Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

65.75

Total Carried Forward (cu. yds./tons):

381.45

Total Carried Forward and This Page (cu. yds./tons):

447.20





Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

8 of 10

☐ - ☒ N/A

I. LOAD INFORMATION:

Load 1:

Date of Shipment:

01-09-03

Truck/Tractor Registration:

28076

Signature of Transporter Representative:

Time of Shipment:

☒ AM ☐ PM

Trailer Registration (if any):

33833

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

11/9/03

Time of Receipt:

10:00

☐ AM ☒ PM

Load Size (cu. yds./tons):

32.89

Load 2:

Date of Shipment:

01-09-03

Truck/Tractor Registration:

28076

Signature of Transporter Representative:

Time of Shipment:

☐ AM ☐ PM

Trailer Registration (if any):

33833

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

11/9/03

Time of Receipt:

11:00

☐ AM ☒ PM

Load Size (cu. yds./tons):

34.30

Load 3:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

67.19  
447.20  
514.39



H S ILEMAN



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

9 OF 10

NA

I. LOAD INFORMATION:	
<b>Load 1:</b> Signature of Transporter Representative: <i>[Signature]</i> Date of Shipment: 11/9/03 Time of Shipment: 10:30 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: 40063 MA Trailer Registration (if any): 22715 MA	Receiving Facility/Temporary Storage Representative: <i>[Signature]</i> Date of Receipt: 11/9/03 Time of Receipt: 9:48 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Load Size (cu. yds./tons): 31.89
<b>Load 2:</b> Signature of Transporter Representative: <i>[Signature]</i> Date of Shipment: 11/9/03 Time of Shipment: 12:00 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Truck/Tractor Registration: 40063 MA Trailer Registration (if any): 22715 MA	Receiving Facility/Temporary Storage Representative: <i>[Signature]</i> Date of Receipt: 11/9/03 Time of Receipt: 1:44 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM Load Size (cu. yds./tons): 34.90
<b>Load 3:</b> Signature of Transporter Representative: Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: Trailer Registration (if any):	Receiving Facility/Temporary Storage Representative: Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM Load Size (cu. yds./tons):
<b>Load 4:</b> Signature of Transporter Representative: Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: Trailer Registration (if any):	Receiving Facility/Temporary Storage Representative: Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM Load Size (cu. yds./tons):
<b>Load 5:</b> Signature of Transporter Representative: Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: Trailer Registration (if any):	Receiving Facility/Temporary Storage Representative: Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM Load Size (cu. yds./tons):
<b>Load 6:</b> Signature of Transporter Representative: Date of Shipment: Time of Shipment: <input type="checkbox"/> AM <input type="checkbox"/> PM Truck/Tractor Registration: Trailer Registration (if any):	Receiving Facility/Temporary Storage Representative: Date of Receipt: Time of Receipt: <input type="checkbox"/> AM <input type="checkbox"/> PM Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

Total Carried Forward (cu. yds./tons)

Total Carried Forward and This Page (cu. yds./tons)

66.79  
514.39  
581.18



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

Release Tracking Number

SUMMARY SHEET

10

OF

10

H. Cokar

NA

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:  
1-9-03

Time of Shipment:

630

☒ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1/9/03

Time of Receipt:

9:43

☐ AM ☒ PM

Load Size (cu. yds./tons):

32.23

Load 2: Signature of Transporter Representative:

1-9-03

Date of Shipment:

Time of Shipment:

☒ AM ☐ PM

Truck/Tractor Registration:

33426

Trailer Registration (if any):

78

Receiving Facility/Temporary Storage Representative:

BROCKTON LANDFILL

Date of Receipt:

1/9/03

Time of Receipt:

1:41

☐ AM ☒ PM

Load Size (cu. yds./tons):

32.28

Load 3: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6: Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

J. LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons):

64.51

Total Carried Forward (cu. yds./tons):

581.18

Total Carried Forward and This Page (cu. yds./tons):

645.69



Massachusetts Department of Environmental Protection  
Bureau of Waste Site Cleanup

BWSC-012B

BILL OF LADING (pursuant to 310 CMR 40.0030)

SUMMARY SHEET

OF

10

Release Tracking Number

NA ☐ - ☐

I. LOAD INFORMATION: Signature of Transporter Representative:

Load 1:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

BRACKTON LANDFILL Bnd.

Date of Receipt:

Time of Receipt:

1/10/03

9:36

☒ AM ☐ PM

Load Size (cu. yds./tons):

29.91

Load 2:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

BRACKTON LANDFILL M

Date of Receipt:

Time of Receipt:

1/10/03

2:40

☒ AM ☐ PM

Load Size (cu. yds./tons):

30.57

Load 3:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 4:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 5:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

Load 6:

Signature of Transporter Representative:

Date of Shipment:

Time of Shipment:

☐ AM ☐ PM

Truck/Tractor Registration:

Trailer Registration (if any):

Receiving Facility/Temporary Storage Representative:

Date of Receipt:

Time of Receipt:

☐ AM ☐ PM

Load Size (cu. yds./tons):

LOG SHEET VOLUME INFORMATION:

Total Volume Recorded This Page (cu. yds./tons)

60.48

Total Carried Forward (cu. yds./tons):

Total Carried Forward and This Page (cu. yds./tons):

60.48

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-197**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-02A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS (MODIFIED 8260B SW8260B)						Analyst: SK
Gasoline Range Organics	ND	2.5		mg/Kg-dry	1	9/20/01 5:23:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-198**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-03A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>GASOLINE RANGE ORGANICS (MODIFIED 8260B SW8260B</b>						Analyst: SK
Gasoline Range Organics	ND	2.8		mg/Kg-dry	1	9/20/01 5:58:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-199**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-04A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS (MODIFIED 8260B SW8260B)						Analyst: SK
Gasoline Range Organics	ND	2.8		mg/Kg-dry	1	9/20/01 6:32:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-200**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-05A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>GASOLINE RANGE ORGANICS (MODIFIED 8260B SW8260B</b>						<b>Analyst: SK</b>
Gasoline Range Organics	ND	2.4		mg/Kg-dry	1	9/20/01 7:05:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-01C

Client Sample ID: DLRP-SP-196  
Collection Date: 9/18/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C				Analyst: KD
Pyridine	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
N-Nitrosodimethylamine	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
Phenol	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Bis(2-chloroethyl)ether	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
2-Chlorophenol	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
1,3-Dichlorobenzene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
1,4-Dichlorobenzene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Benzyl alcohol	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
2-Methylphenol	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
1,2-Dichlorobenzene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Bis(2-chloroisopropyl)ether	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
4-Methylphenol	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
N-Nitrosodi-n-propylamine	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Hexachloroethane	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Nitrobenzene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Isophorone	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
2,4-Dimethylphenol	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Benzoic acid	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
2-Nitrophenol	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Bis(2-chloroethoxy)methane	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
2,4-Dichlorophenol	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
1,2,4-Trichlorobenzene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Naphthalene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
4-Chloroaniline	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Hexachlorobutadiene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
4-Chloro-3-methylphenol	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
2-Methylnaphthalene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Hexachlorocyclopentadiene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
2,4,6-Trichlorophenol	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
2,4,5-Trichlorophenol	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
2-Chloronaphthalene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
2-Nitroaniline	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
Dimethyl phthalate	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
2,6-Dinitrotoluene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Acenaphthylene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
3-Nitroaniline	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
4-Nitrophenol	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
2,4-Dinitrophenol	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

// - See Case Narrative



**AMRO Environmental Laboratories Corp.**
**Date:** 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.

**Client Sample ID:** DLRP-SP-196

**Lab Order:** 0109127

**Project:** 068511000 Devens Landfill

**Collection Date:** 9/18/01

**Lab ID:** 0109127-01C

**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
2,4-Dinitrotoluene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Dibenzofuran	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Diethyl phthalate	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
4-Chlorophenyl phenyl ether	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Fluorene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
4-Nitroaniline	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
4,6-Dinitro-2-methylphenol	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
N-Nitrosodiphenylamine	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
4-Bromophenyl phenyl ether	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Hexachlorobenzene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Pentachlorophenol	ND	510		µg/Kg-dry	1	9/21/01 7:01:00 PM
Phenanthrene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Anthracene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Carbazole	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Di-n-butyl phthalate	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Fluoranthene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Benzidine	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Pyrene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Butyl benzyl phthalate	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Bis(2-ethylhexyl)phthalate	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
3,3'-Dichlorobenzidine	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Benz(a)anthracene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Chrysene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Di-n-octyl phthalate	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Benzo(b)fluoranthene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Benzo(k)fluoranthene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Benzo(a)pyrene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Dibenz(a,h)anthracene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Indeno(1,2,3-cd)pyrene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM
Benzo(g,h,i)perylene	ND	250		µg/Kg-dry	1	9/21/01 7:01:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-02C

Client Sample ID: DLRP-SP-197

Collection Date: 9/18/01

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C				Analyst: KD
Pyridine	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
N-Nitrosodimethylamine	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
Phenol	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Bis(2-chloroethyl)ether	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
2-Chlorophenol	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
1,3-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
1,4-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Benzyl alcohol	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
2-Methylphenol	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
1,2-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Bis(2-chloroisopropyl)ether	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
4-Methylphenol	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
N-Nitrosodi-n-propylamine	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Hexachloroethane	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Nitrobenzene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Isophorone	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
2,4-Dimethylphenol	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Benzoic acid	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
2-Nitrophenol	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Bis(2-chloroethoxy)methane	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
2,4-Dichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
1,2,4-Trichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Naphthalene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
4-Chloroaniline	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Hexachlorobutadiene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
4-Chloro-3-methylphenol	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
2-Methylnaphthalene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Hexachlorocyclopentadiene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
2,4,6-Trichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
2,4,5-Trichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
2-Chloronaphthalene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
2-Nitroaniline	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
Dimethyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
2,6-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Acenaphthylene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
3-Nitroaniline	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
4-Nitrophenol	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
2,4-Dinitrophenol	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-02C

**Client Sample ID:** DLRP-SP-197

**Collection Date:** 9/18/01

**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
2,4-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Dibenzofuran	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Diethyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
4-Chlorophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Fluorene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
4-Nitroaniline	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
4,6-Dinitro-2-methylphenol	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
N-Nitrosodiphenylamine	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
4-Bromophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Hexachlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Pentachlorophenol	ND	530		µg/Kg-dry	1	9/21/01 8:35:00 PM
Phenanthrene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Anthracene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Carbazole	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Di-n-butyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Fluoranthene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Benzidine	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Pyrene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Butyl benzyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Bis(2-ethylhexyl)phthalate	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
3,3'-Dichlorobenzidine	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Benz(a)anthracene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Chrysene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Di-n-octyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Benzo(b)fluoranthene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Benzo(k)fluoranthene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Benzo(a)pyrene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Dibenz(a,h)anthracene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Indeno(1,2,3-cd)pyrene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM
Benzo(g,h,i)perylene	ND	260		µg/Kg-dry	1	9/21/01 8:35:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-03C

**Client Sample ID:** DLRP-SP-198  
**Collection Date:** 9/18/01  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C				Analyst: KD
Pyridine	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
N-Nitrosodimethylamine	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
Phenol	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Bis(2-chloroethyl)ether	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
2-Chlorophenol	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
1,3-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
1,4-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Benzyl alcohol	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
2-Methylphenol	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
1,2-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Bis(2-chloroisopropyl)ether	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
4-Methylphenol	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
N-Nitrosodi-n-propylamine	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Hexachloroethane	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Nitrobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Isophorone	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
2,4-Dimethylphenol	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Benzoic acid	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
2-Nitrophenol	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Bis(2-chloroethoxy)methane	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
2,4-Dichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
1,2,4-Trichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Naphthalene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
4-Chloroaniline	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Hexachlorobutadiene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
4-Chloro-3-methylphenol	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
2-Methylnaphthalene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Hexachlorocyclopentadiene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
2,4,6-Trichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
2,4,5-Trichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
2-Chloronaphthalene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
2-Nitroaniline	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
Dimethyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
2,6-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Acenaphthylene	320	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
3-Nitroaniline	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
4-Nitrophenol	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
2,4-Dinitrophenol	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative



# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-03C

**Client Sample ID:** DLRP-SP-198

**Collection Date:** 9/18/01

**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
2,4-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Dibenzofuran	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Diethyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
4-Chlorophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Fluorene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
4-Nitroaniline	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
4,6-Dinitro-2-methylphenol	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
N-Nitrosodiphenylamine	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
4-Bromophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Hexachlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Pentachlorophenol	ND	530		µg/Kg-dry	1	9/21/01 9:06:00 PM
Phenanthrene	940	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Anthracene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Carbazole	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Di-n-butyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Fluoranthene	2,200	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Benzidine	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Pyrene	1,800	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Butyl benzyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Bis(2-ethylhexyl)phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
3,3'-Dichlorobenzidine	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Benz(a)anthracene	910	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Chrysene	1,100	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Di-n-octyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Benzo(b)fluoranthene	1,500	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Benzo(k)fluoranthene	600	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Benzo(a)pyrene	980	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Dibenz(a,h)anthracene	ND	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Indeno(1,2,3-cd)pyrene	920	260		µg/Kg-dry	1	9/21/01 9:06:00 PM
Benzo(g,h,i)perylene	790	260		µg/Kg-dry	1	9/21/01 9:06:00 PM

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 # - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-04C

Client Sample ID: DLRP-SP-199

Collection Date: 9/18/01

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C				Analyst: KD
Pyridine	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
N-Nitrosodimethylamine	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
Phenol	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Bis(2-chloroethyl)ether	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
2-Chlorophenol	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
1,3-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
1,4-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Benzyl alcohol	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
2-Methylphenol	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
1,2-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Bis(2-chloroisopropyl)ether	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
4-Methylphenol	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
N-Nitrosodi-n-propylamine	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Hexachloroethane	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Nitrobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Isophorone	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
2,4-Dimethylphenol	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Benzoic acid	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
2-Nitrophenol	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Bis(2-chloroethoxy)methane	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
2,4-Dichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
1,2,4-Trichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Naphthalene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
4-Chloroaniline	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Hexachlorobutadiene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
4-Chloro-3-methylphenol	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
2-Methylnaphthalene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Hexachlorocyclopentadiene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
2,4,6-Trichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
2,4,5-Trichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
2-Chloronaphthalene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
2-Nitroaniline	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
Dimethyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
2,6-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Acenaphthylene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
3-Nitroaniline	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
4-Nitrophenol	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
2,4-Dinitrophenol	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-04C

**Client Sample ID:** DLRP-SP-199

**Collection Date:** 9/18/01

**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
2,4-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Dibenzofuran	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Diethyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
4-Chlorophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Fluorene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
4-Nitroaniline	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
4,6-Dinitro-2-methylphenol	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
N-Nitrosodiphenylamine	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
4-Bromophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Hexachlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Pentachlorophenol	ND	530		µg/Kg-dry	1	9/21/01 9:37:00 PM
Phenanthrene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Anthracene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Carbazole	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Di-n-butyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Fluoranthene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Benzidine	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Pyrene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Butyl benzyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Bis(2-ethylhexyl)phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
3,3'-Dichlorobenzidine	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Benz(a)anthracene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Chrysene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Di-n-octyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Benzo(b)fluoranthene	320	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Benzo(k)fluoranthene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Benzo(a)pyrene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Dibenz(a,h)anthracene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Indeno(1,2,3-cd)pyrene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM
Benzo(g,h,i)perylene	ND	260		µg/Kg-dry	1	9/21/01 9:37:00 PM

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 H - Method prescribed holding time exceeded  
 RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 = - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-200

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-05C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C				Analyst: KD
Pyridine	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
N-Nitrosodimethylamine	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
Phenol	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Bis(2-chloroethyl)ether	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
2-Chlorophenol	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
1,3-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
1,4-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Benzyl alcohol	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
2-Methylphenol	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
1,2-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Bis(2-chloroisopropyl)ether	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
4-Methylphenol	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
N-Nitrosodi-n-propylamine	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Hexachloroethane	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Nitrobenzene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Isophorone	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
2,4-Dimethylphenol	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Benzoic acid	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
2-Nitrophenol	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Bis(2-chloroethoxy)methane	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
2,4-Dichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
1,2,4-Trichlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Naphthalene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
4-Chloroaniline	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Hexachlorobutadiene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
4-Chloro-3-methylphenol	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
2-Methylnaphthalene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Hexachlorocyclopentadiene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
2,4,6-Trichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
2,4,5-Trichlorophenol	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
2-Chloronaphthalene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
2-Nitroaniline	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
Dimethyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
2,6-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Acenaphthylene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
3-Nitroaniline	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
4-Nitrophenol	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
2,4-Dinitrophenol	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.



# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-05C

**Client Sample ID:** DLRP-SP-200

**Collection Date:** 9/18/01

**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
2,4-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Dibenzofuran	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Diethyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
4-Chlorophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Fluorene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
4-Nitroaniline	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
4,6-Dinitro-2-methylphenol	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
N-Nitrosodiphenylamine	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
4-Bromophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Hexachlorobenzene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Pentachlorophenol	ND	520		µg/Kg-dry	1	9/21/01 10:09:00 PM
Phenanthrene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Anthracene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Carbazole	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Di-n-butyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Fluoranthene	570	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Benzidine	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Pyrene	510	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Butyl benzyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Bis(2-ethylhexyl)phthalate	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
3,3'-Dichlorobenzidine	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Benz(a)anthracene	310	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Chrysene	380	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Di-n-octyl phthalate	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Benzo(b)fluoranthene	570	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Benzo(k)fluoranthene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Benzo(a)pyrene	390	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Dibenz(a,h)anthracene	ND	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Indeno(1,2,3-cd)pyrene	380	260		µg/Kg-dry	1	9/21/01 10:09:00 PM
Benzo(g,h,i)perylene	340	260		µg/Kg-dry	1	9/21/01 10:09:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

≠ - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-196

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-01C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A				Analyst: RAP
alpha-BHC	ND	8.0		µg/Kg-dry	10	9/20/01 10:47:00 PM
beta-BHC	ND	8.0		µg/Kg-dry	10	9/20/01 10:47:00 PM
delta-BHC	ND	8.0		µg/Kg-dry	10	9/20/01 10:47:00 PM
gamma-BHC	ND	8.0		µg/Kg-dry	10	9/20/01 10:47:00 PM
Heptachlor	ND	8.0		µg/Kg-dry	10	9/20/01 10:47:00 PM
Aldrin	ND	8.0		µg/Kg-dry	10	9/20/01 10:47:00 PM
Heptachlor epoxide	ND	8.0		µg/Kg-dry	10	9/20/01 10:47:00 PM
Endosulfan I	ND	8.0		µg/Kg-dry	10	9/20/01 10:47:00 PM
alpha-Chlordane	8.8	8.0		µg/Kg-dry	10	9/20/01 10:47:00 PM
gamma-Chlordane	8.9	8.0		µg/Kg-dry	10	9/20/01 10:47:00 PM
Dieldrin	ND	16		µg/Kg-dry	10	9/20/01 10:47:00 PM
4,4'-DDE	ND	16		µg/Kg-dry	10	9/20/01 10:47:00 PM
Endrin	ND	16		µg/Kg-dry	10	9/20/01 10:47:00 PM
Endosulfan II	ND	16		µg/Kg-dry	10	9/20/01 10:47:00 PM
4,4'-DDD	ND	16		µg/Kg-dry	10	9/20/01 10:47:00 PM
Endrin aldehyde	ND	16		µg/Kg-dry	10	9/20/01 10:47:00 PM
Endrin ketone	ND	16		µg/Kg-dry	10	9/20/01 10:47:00 PM
Endosulfan sulfate	ND	16		µg/Kg-dry	10	9/20/01 10:47:00 PM
4,4'-DDT	ND	16		µg/Kg-dry	10	9/20/01 10:47:00 PM
Methoxychlor	ND	80		µg/Kg-dry	10	9/20/01 10:47:00 PM
Toxaphene	ND	250		µg/Kg-dry	10	9/20/01 10:47:00 PM
Technical Chlordane	ND	250		µg/Kg-dry	10	9/20/01 10:47:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-02C

**Client Sample ID:** DLRP-SP-197

**Collection Date:** 9/18/01

**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>				<b>Analyst: RAP</b>
alpha-BHC	ND	8.3		µg/Kg-dry	10	9/20/01 11:15:00 PM
beta-BHC	ND	8.3		µg/Kg-dry	10	9/20/01 11:15:00 PM
delta-BHC	ND	8.3		µg/Kg-dry	10	9/20/01 11:15:00 PM
gamma-BHC	ND	8.3		µg/Kg-dry	10	9/20/01 11:15:00 PM
Heptachlor	ND	8.3		µg/Kg-dry	10	9/20/01 11:15:00 PM
Aldrin	ND	8.3		µg/Kg-dry	10	9/20/01 11:15:00 PM
Heptachlor epoxide	ND	8.3		µg/Kg-dry	10	9/20/01 11:15:00 PM
Endosulfan I	ND	8.3		µg/Kg-dry	10	9/20/01 11:15:00 PM
alpha-Chlordane	ND	8.3		µg/Kg-dry	10	9/20/01 11:15:00 PM
gamma-Chlordane	ND	8.3		µg/Kg-dry	10	9/20/01 11:15:00 PM
Dieldrin	ND	17		µg/Kg-dry	10	9/20/01 11:15:00 PM
4,4'-DDE	ND	17		µg/Kg-dry	10	9/20/01 11:15:00 PM
Endrin	ND	17		µg/Kg-dry	10	9/20/01 11:15:00 PM
Endosulfan II	ND	17		µg/Kg-dry	10	9/20/01 11:15:00 PM
4,4'-DDD	ND	17		µg/Kg-dry	10	9/20/01 11:15:00 PM
Endrin aldehyde	ND	17		µg/Kg-dry	10	9/20/01 11:15:00 PM
Endrin ketone	ND	17		µg/Kg-dry	10	9/20/01 11:15:00 PM
Endosulfan sulfate	ND	17		µg/Kg-dry	10	9/20/01 11:15:00 PM
4,4'-DDT	ND	17		µg/Kg-dry	10	9/20/01 11:15:00 PM
Methoxychlor	ND	83		µg/Kg-dry	10	9/20/01 11:15:00 PM
Toxaphene	ND	260		µg/Kg-dry	10	9/20/01 11:15:00 PM
Technical Chlordane	ND	260		µg/Kg-dry	10	9/20/01 11:15:00 PM

**Qualifiers:**  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 H - Method prescribed holding time exceeded  
 RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 = - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-198

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-03C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A		Analyst: RAP		
alpha-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 12:37:00 AM
beta-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 12:37:00 AM
delta-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 12:37:00 AM
gamma-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 12:37:00 AM
Heptachlor	ND	8.4		µg/Kg-dry	10	9/21/01 12:37:00 AM
Aldrin	ND	8.4		µg/Kg-dry	10	9/21/01 12:37:00 AM
Heptachlor epoxide	ND	8.4		µg/Kg-dry	10	9/21/01 12:37:00 AM
Endosulfan I	ND	8.4		µg/Kg-dry	10	9/21/01 12:37:00 AM
alpha-Chlordane	ND	8.4		µg/Kg-dry	10	9/21/01 12:37:00 AM
gamma-Chlordane	ND	8.4		µg/Kg-dry	10	9/21/01 12:37:00 AM
Dieldrin	18	17		µg/Kg-dry	10	9/21/01 12:37:00 AM
4,4'-DDE	43	17		µg/Kg-dry	10	9/21/01 12:37:00 AM
Endrin	ND	17		µg/Kg-dry	10	9/21/01 12:37:00 AM
Endosulfan II	ND	17		µg/Kg-dry	10	9/21/01 12:37:00 AM
4,4'-DDD	190	17		µg/Kg-dry	10	9/21/01 12:37:00 AM
Endrin aldehyde	ND	17		µg/Kg-dry	10	9/21/01 12:37:00 AM
Endrin ketone	ND	17		µg/Kg-dry	10	9/21/01 12:37:00 AM
Endosulfan sulfate	ND	17		µg/Kg-dry	10	9/21/01 12:37:00 AM
4,4'-DDT	380	84		µg/Kg-dry	50	9/22/01 1:03:00 AM
Methoxychlor	ND	84		µg/Kg-dry	10	9/21/01 12:37:00 AM
Toxaphene	ND	260		µg/Kg-dry	10	9/21/01 12:37:00 AM
Technical Chlordane	ND	260		µg/Kg-dry	10	9/21/01 12:37:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-199

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-04C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A				Analyst: RAP
alpha-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 1:05:00 AM
beta-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 1:05:00 AM
delta-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 1:05:00 AM
gamma-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 1:05:00 AM
Heptachlor	ND	8.4		µg/Kg-dry	10	9/21/01 1:05:00 AM
Aldrin	ND	8.4		µg/Kg-dry	10	9/21/01 1:05:00 AM
Heptachlor epoxide	ND	8.4		µg/Kg-dry	10	9/21/01 1:05:00 AM
Endosulfan I	ND	8.4		µg/Kg-dry	10	9/21/01 1:05:00 AM
alpha-Chlordane	ND	8.4		µg/Kg-dry	10	9/21/01 1:05:00 AM
gamma-Chlordane	ND	8.4		µg/Kg-dry	10	9/21/01 1:05:00 AM
Dieldrin	ND	17		µg/Kg-dry	10	9/21/01 1:05:00 AM
4,4'-DDE	ND	17		µg/Kg-dry	10	9/21/01 1:05:00 AM
Endrin	ND	17		µg/Kg-dry	10	9/21/01 1:05:00 AM
Endosulfan II	ND	17		µg/Kg-dry	10	9/21/01 1:05:00 AM
4,4'-DDD	58	17		µg/Kg-dry	10	9/21/01 1:05:00 AM
Endrin aldehyde	ND	17		µg/Kg-dry	10	9/21/01 1:05:00 AM
Endrin ketone	ND	17		µg/Kg-dry	10	9/21/01 1:05:00 AM
Endosulfan sulfate	ND	17		µg/Kg-dry	10	9/21/01 1:05:00 AM
4,4'-DDT	98	17		µg/Kg-dry	10	9/21/01 1:05:00 AM
Methoxychlor	ND	84		µg/Kg-dry	10	9/21/01 1:05:00 AM
Toxaphene	ND	260		µg/Kg-dry	10	9/21/01 1:05:00 AM
Technical Chlordane	ND	260		µg/Kg-dry	10	9/21/01 1:05:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109127  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109127-05C

**Client Sample ID:** DLRP-SP-200

**Collection Date:** 9/18/01

**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		<b>Analyst: RAP</b>		
alpha-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 1:33:00 AM
beta-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 1:33:00 AM
delta-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 1:33:00 AM
gamma-BHC	ND	8.4		µg/Kg-dry	10	9/21/01 1:33:00 AM
Heptachlor	ND	8.4		µg/Kg-dry	10	9/21/01 1:33:00 AM
Aldrin	ND	8.4		µg/Kg-dry	10	9/21/01 1:33:00 AM
Heptachlor epoxide	ND	8.4		µg/Kg-dry	10	9/21/01 1:33:00 AM
Endosulfan I	ND	8.4		µg/Kg-dry	10	9/21/01 1:33:00 AM
alpha-Chlordane	ND	8.4		µg/Kg-dry	10	9/21/01 1:33:00 AM
gamma-Chlordane	ND	8.4		µg/Kg-dry	10	9/21/01 1:33:00 AM
Dieldrin	ND	17		µg/Kg-dry	10	9/21/01 1:33:00 AM
4,4'-DDE	ND	17		µg/Kg-dry	10	9/21/01 1:33:00 AM
Endrin	ND	17		µg/Kg-dry	10	9/21/01 1:33:00 AM
Endosulfan II	ND	17		µg/Kg-dry	10	9/21/01 1:33:00 AM
4,4'-DDD	140	17		µg/Kg-dry	10	9/21/01 1:33:00 AM
Endrin aldehyde	ND	17		µg/Kg-dry	10	9/21/01 1:33:00 AM
Endrin ketone	ND	17		µg/Kg-dry	10	9/21/01 1:33:00 AM
Endosulfan sulfate	ND	17		µg/Kg-dry	10	9/21/01 1:33:00 AM
4,4'-DDT	190	17		µg/Kg-dry	10	9/21/01 1:33:00 AM
Methoxychlor	ND	84		µg/Kg-dry	10	9/21/01 1:33:00 AM
Toxaphene	ND	260		µg/Kg-dry	10	9/21/01 1:33:00 AM
Technical Chlordane	ND	260		µg/Kg-dry	10	9/21/01 1:33:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

# CONTINUING CALIBRATION SUMMARY

Analysis Date: 20 Sep 2001

Analyst: RAP

Instrument ID: TRENT

COLUMN ID: **FRONT**  
CLP Pesticide 1: 0.32mm

**BACK**  
CLP Pesticide 2: 0.32mm

## BREAKDOWN (1):

	Front		Back
DDT	13.5	DDT	4.0
ENDRIN	6.7	ENDRIN	1.4

Initial CCV: F12

Term. CCV: F13

## INDA

	Front	Back		Front	Back
TCX	-8.0	-0.3	TCX	-0.6	-1.5
ALPHA-BHC	-34.4 *	-12.5	ALPHA-BHC	-12.7	0.2
GAMMA-BHC	-45.5 *	-13.1	GAMMA-BHC	-11.4	-0.7
HEPTACHLOR	-7.7	-1.6	HEPTACHLOR	-8.8	-2.7
ENDOSULFAN II	-5.0	-7.8	ENDOSULFAN I	-1.6	-4.8
DIELDRIN	-4.9	-5.7	DIELDRIN	1.0	-2.9
ENDRIN	-11.5	-7.0	ENDRIN	-0.3	2.2
DDD	-9.4	-12.7	DDD	4.8	2.1
DDT	-30.2 *	-10.7	DDT	-43.3 *	-32.0
METHOXYCHLOR	-25.6 *	-8.9	METHOXYCHLOR	-27.9 *	-17.1
DCB	-6.7	-6.2	DCB	-3.9	-5.9

## INDB

	Front	Back		Front	Back
TCX	-10.4	1.2	TCX	-6.6	-3.7
ALDRIN	-8.7	-0.8	ALDRIN	-6.2	-0.2
BETA-BHC	-8.5	-0.7	BETA-BHC	4.3	3.9
DELTA-BHC	-92.2 *	-42.3	DELTA-BHC	-25.5 *	15.0
HEPTACHLOR EPOXIDE	-4.4	-1.7	HEPTACHLOR EPOXIDE	1.4	-0.2
GAMMA-CHLORDANE	-6.1	-2.1	GAMMA-CHLORDANE	-3.6	-0.6
ALPHA-CHLORDANE	-6.7	-3.2	ALPHA-CHLORDANE	-1.8	-1.2
DDE	-2.3	-10.0	DDE	0.4	-6.0
ENDOSULFAN II	-13.1	-1.2	ENDOSULFAN II	-3.7	2.1
ENDRIN ALDEHYDE	-20.2 *	2.5	ENDRIN ALDEHYDE	-3.3	5.1
ENDOSULFAN SULFATE	-38.2 *	-28.8	ENDOSULFAN SULFATE	-14.7	12.9
ENDRIN KETONE	-64.9 *	-13.9	ENDRIN KETONE	-12.2	11.6
DCB	-9.7	-2.0	DCB	-3.3	5.4

Ave. %Drift for all analytes (2):

21.9

8.2

Ave. %Drift for all analytes (2):

8.5

5.8

Data Files	PEM:
1st INDA: C:\HPCHEM\1\DATA\01JUL20\T20JUL01.D	C:\HPCHEM\1\DATA\01JUL20\T20JUL03.D
1st INDB: C:\HPCHEM\1\DATA\01SEP20\T20SEP01.D	C:\HPCHEM\1\DATA\01SEP20\T20SEP03.D
C:\HPCHEM\1\DATA\01SEP20\T20SEP02.D	C:\HPCHEM\1\DATA\01SEP20\T20SEP19.D
	C:\HPCHEM\1\DATA\01SEP20\T20SEP20.D

### Notes:

1. 4,4' DDT and Endrin maximum degradation = 15%

2. Ave %Drift maximum = 15%

# CONTINUING CALIBRATION SUMMARY

Analysis Date: 21 Sep 2001 Analyst: RAP

Instrument ID: TRENT

COLUMN ID: **FRONT**  
CLP Pesticide 1: 0.32mm

**BACK**  
CLP Pesticide 2: 0.32mm

## BREAKDOWN (1):

Front		Back	
DDT	10.8	DDT	5.4
ENDRIN	5.0	ENDRIN	0.7

Initial CCV: F14

Term. CCV: F15

## INDA

Front		Back		Front		Back	
TCX	-35.0 *		-5.0	TCX	-29.4 *		-4.4
ALPHA-BHC	-65.6 *	*	-21.2	ALPHA-BHC	-49.0 *		-10.7
GAMMA-BHC	-70.8 *	*	-22.5	GAMMA-BHC	-50.3 *		-8.8
HEPTACHLOR	-26.6 *		2.0	HEPTACHLOR	-28.0 *		-1.3
ENDOSULFAN I	-23.3 *		-5.0	ENDOSULFAN I	-33.7 *		-2.6
DIELDRIN	-35.4 *		-4.5	DIELDRIN	-33.2 *		-1.3
ENDRIN	-40.2 *		-3.1	ENDRIN	-37.2 *		3.5
DDD	-47.5 *		-11.9	DDD	-31.9 *		6.0
DDT	-62.5 *		-10.7	DDT	-71.4 *	*	-32.9
METHOXYCHLOR	-38.2 *		-2.2	METHOXYCHLOR	-53.7 *		-14.9
DCB	-16.2 *		-1.5	DCB	-13.9		-3.7

## INDB

Front		Back		Front		Back	
TCX	-31.0 *		-5.3	TCX	-33.0 *		-8.5
ALDRIN	-36.5 *		-5.4	ALDRIN	-39.5 *		-6.7
BETA-BHC	-38.9 *		-2.9	BETA-BHC	-35.1 *		-5.2
DELTA-BHC	-93.6 *	*	-10.0	DELTA-BHC	-66.2 *		1.8
HEPTACHLOR EPOXIDE	-22.5 *		0	HEPTACHLOR EPOXIDE	-24.2 *		0.5
GAMMA-CHLORDANE	-18.9 *		-5.0	GAMMA-CHLORDANE	-24.4 *		-1.6
ALPHA-CHLORDANE	-22.7 *		-4.9	ALPHA-CHLORDANE	-25.8 *		-0.4
DDE	-41.5 *		-1.1	DDE	-46.6 *		-3.0
ENDOSULFAN II	-36.1 *		-1.1	ENDOSULFAN II	-39.8 *		3.8
ENDRIN ALDEHYDE	-37.9 *		-6.1	ENDRIN ALDEHYDE	-22.8 *		4.4
ENDOSULFAN SULFATE	-91.1 *	*	-17.7	ENDOSULFAN SULFATE	-47.8 *		10.3
ENDRIN KETONE	-68.8 *	*	-18.5	ENDRIN KETONE	-44.3 *		9.4
DCB	-12.9		5	DCB	-10.7		-1.2
Ave. %Drift for all analytes (2):				Ave. %Drift for all analytes (2):			
		42.2	10.3			37.2	6.1

Data Files		PEM:	C:\HPCHEM1\DATA\01JUL20\T20JUL03.D
1st INDA:	C:\HPCHEM1\DATA\01JUL20\T20JUL01.D	2nd INDA:	C:\HPCHEM1\DATA\01SEP21\T21SEP03.D
1st INDB:	C:\HPCHEM1\DATA\01SEP21\T21SEP01.D	2nd INDB:	C:\HPCHEM1\DATA\01SEP21\T21SEP21.D
C:\HPCHEM1\DATA\01SEP21\T21SEP02.D		C:\HPCHEM1\DATA\01SEP21\T21SEP22.D	

## Notes:

1. 4,4' DDT and Endrin maximum degradation = 15%

2. Ave %Drift maximum = 15%



**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-196**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-01C**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	25		µg/Kg-dry	1	9/20/01 8:31:00 PM
Aroclor 1221	ND	25		µg/Kg-dry	1	9/20/01 8:31:00 PM
Aroclor 1232	ND	25		µg/Kg-dry	1	9/20/01 8:31:00 PM
Aroclor 1242	ND	25		µg/Kg-dry	1	9/20/01 8:31:00 PM
Aroclor 1248	ND	25		µg/Kg-dry	1	9/20/01 8:31:00 PM
Aroclor 1254	ND	25		µg/Kg-dry	1	9/20/01 8:31:00 PM
Aroclor 1260	ND	25		µg/Kg-dry	1	9/20/01 8:31:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

≠ - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-197**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-02C**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	26		µg/Kg-dry	1	9/20/01 8:58:00 PM
Aroclor 1221	ND	26		µg/Kg-dry	1	9/20/01 8:58:00 PM
Aroclor 1232	ND	26		µg/Kg-dry	1	9/20/01 8:58:00 PM
Aroclor 1242	ND	26		µg/Kg-dry	1	9/20/01 8:58:00 PM
Aroclor 1248	ND	26		µg/Kg-dry	1	9/20/01 8:58:00 PM
Aroclor 1254	ND	26		µg/Kg-dry	1	9/20/01 8:58:00 PM
Aroclor 1260	ND	26		µg/Kg-dry	1	9/20/01 8:58:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-198**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-03C**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	26		µg/Kg-dry	1	9/20/01 9:24:00 PM
Aroclor 1221	ND	26		µg/Kg-dry	1	9/20/01 9:24:00 PM
Aroclor 1232	ND	26		µg/Kg-dry	1	9/20/01 9:24:00 PM
Aroclor 1242	ND	26		µg/Kg-dry	1	9/20/01 9:24:00 PM
Aroclor 1248	ND	26		µg/Kg-dry	1	9/20/01 9:24:00 PM
Aroclor 1254	ND	26		µg/Kg-dry	1	9/20/01 9:24:00 PM
Aroclor 1260	ND	26		µg/Kg-dry	1	9/20/01 9:24:00 PM

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

≠ - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-199

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-04C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	26		µg/Kg-dry	1	9/20/01 9:51:00 PM
Aroclor 1221	ND	26		µg/Kg-dry	1	9/20/01 9:51:00 PM
Aroclor 1232	ND	26		µg/Kg-dry	1	9/20/01 9:51:00 PM
Aroclor 1242	ND	26		µg/Kg-dry	1	9/20/01 9:51:00 PM
Aroclor 1248	ND	26		µg/Kg-dry	1	9/20/01 9:51:00 PM
Aroclor 1254	ND	26		µg/Kg-dry	1	9/20/01 9:51:00 PM
Aroclor 1260	ND	26		µg/Kg-dry	1	9/20/01 9:51:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits  
B - Analyte detected in the associated Method Blank E - Value above quantitation range  
H - Method prescribed holding time exceeded # - See Case Narrative  
RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-200**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-05C**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	26		µg/Kg-dry	1	9/20/01 11:11:00 PM
Aroclor 1221	ND	26		µg/Kg-dry	1	9/20/01 11:11:00 PM
Aroclor 1232	ND	26		µg/Kg-dry	1	9/20/01 11:11:00 PM
Aroclor 1242	ND	26		µg/Kg-dry	1	9/20/01 11:11:00 PM
Aroclor 1248	ND	26		µg/Kg-dry	1	9/20/01 11:11:00 PM
Aroclor 1254	ND	26		µg/Kg-dry	1	9/20/01 11:11:00 PM
Aroclor 1260	38	26		µg/Kg-dry	1	9/20/01 11:11:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

= - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-196**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-01D**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: KD
Diesel Range Organics	ND	49		mg/Kg-dry	1	9/21/01 12:23:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.****Date:** 26-Sep-01**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-197**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-02D**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: KD
Diesel Range Organics	ND	52		mg/Kg-dry	1	9/21/01 1:00:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-198

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-03D

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: KD
Diesel Range Organics	83	51		mg/Kg-dry	1	9/21/01 1:36:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-199**Lab Order:** 0109127**Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-04D**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: KD
Diesel Range Organics	150	52		mg/Kg-dry	1	9/21/01 2:12:00 AM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-200

Lab Order: 0109127

Project: 068511000 Devens Landfill

Collection Date: 9/18/01

Lab ID: 0109127-05D

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: KD
Diesel Range Organics	120	51		mg/Kg-dry	1	9/21/01 2:48:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-01B

Client Sample ID: DLRP-SP-196  
Tag Number:  
Collection Date: 9/18/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		MAVPH				Analyst: SK
C5-C8 Aliphatic Hydrocarbons	ND	2.2		mg/Kg-dry	1	9/21/01 7:34:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	0.56		mg/Kg-dry	1	9/21/01 7:34:00 AM
C9-C10 Aromatic Hydrocarbons	ND	0.56		mg/Kg-dry	1	9/21/01 7:34:00 AM
Methyl tert-butyl ether	ND	0.045		mg/Kg-dry	1	9/21/01 7:34:00 AM
Benzene	ND	0.045		mg/Kg-dry	1	9/21/01 7:34:00 AM
Toluene	ND	0.045		mg/Kg-dry	1	9/21/01 7:34:00 AM
Ethylbenzene	ND	0.045		mg/Kg-dry	1	9/21/01 7:34:00 AM
m,p-Xylene	ND	0.045		mg/Kg-dry	1	9/21/01 7:34:00 AM
o-Xylene	ND	0.045		mg/Kg-dry	1	9/21/01 7:34:00 AM
Naphthalene	ND	0.11		mg/Kg-dry	1	9/21/01 7:34:00 AM
Surr: Dibromofluoromethane	99.8	70-130		%REC	1	9/21/01 7:34:00 AM
Surr: 1,2-Dichloroethane-d4	91.4	70-130		%REC	1	9/21/01 7:34:00 AM
Surr: Toluene-d8	103	70-130		%REC	1	9/21/01 7:34:00 AM
Surr: 4-Bromofluorobenzene	104	70-130		%REC	1	9/21/01 7:34:00 AM
Surr: 2,5-Dibromotoluene	100	70-130		%REC	1	9/21/01 7:34:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.


## CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ☐ Yes ☒ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:   
PRINTED NAME: Nancy Stewart

DATE: 9-26-01  
POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

# - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-02B

Client Sample ID: DLRP-SP-197  
Tag Number:  
Collection Date: 9/18/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		MAVPH				Analyst: SK
C5-C8 Aliphatic Hydrocarbons	ND	2.5		mg/Kg-dry	1	9/21/01 8:10:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	0.62		mg/Kg-dry	1	9/21/01 8:10:00 AM
C9-C10 Aromatic Hydrocarbons	ND	0.62		mg/Kg-dry	1	9/21/01 8:10:00 AM
Methyl tert-butyl ether	ND	0.050		mg/Kg-dry	1	9/21/01 8:10:00 AM
Benzene	ND	0.050		mg/Kg-dry	1	9/21/01 8:10:00 AM
Toluene	ND	0.050		mg/Kg-dry	1	9/21/01 8:10:00 AM
Ethylbenzene	ND	0.050		mg/Kg-dry	1	9/21/01 8:10:00 AM
m,p-Xylene	ND	0.050		mg/Kg-dry	1	9/21/01 8:10:00 AM
o-Xylene	ND	0.050		mg/Kg-dry	1	9/21/01 8:10:00 AM
Naphthalene	ND	0.12		mg/Kg-dry	1	9/21/01 8:10:00 AM
Surr: Dibromofluoromethane	93.7	70-130		%REC	1	9/21/01 8:10:00 AM
Surr: 1,2-Dichloroethane-d4	87.4	70-130		%REC	1	9/21/01 8:10:00 AM
Surr: Toluene-d8	98.0	70-130		%REC	1	9/21/01 8:10:00 AM
Surr: 4-Bromofluorobenzene	101	70-130		%REC	1	9/21/01 8:10:00 AM
Surr: 2,5-Dibromotoluene	102	70-130		%REC	1	9/21/01 8:10:00 AM

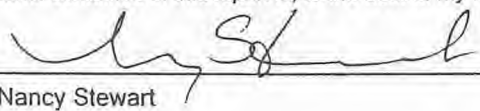
Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative  
Were all performance/acceptance standards for required QA/QC procedures achieved: ☐ Yes ☒ No - If No, See Case Narrative  
Were any significant modifications made to the method as specified in section 11.3: ☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:



DATE:

9-26-01

PRINTED NAME: Nancy Stewart

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

# - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded



**AMRO Environmental Laboratories Corp.**

Date: 26-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-198**Lab Order:** 0109127**Tag Number:****Project:** 068511000 Devens Landfill**Collection Date:** 9/18/01**Lab ID:** 0109127-03B**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>VOLATILE PETROLEUM HYDROCARBONS</b>		<b>MAVPH</b>				Analyst: SK
C5-C8 Aliphatic Hydrocarbons	ND	2.8		mg/Kg-dry	1	9/21/01 9:54:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	0.69		mg/Kg-dry	1	9/21/01 9:54:00 AM
C9-C10 Aromatic Hydrocarbons	ND	0.69		mg/Kg-dry	1	9/21/01 9:54:00 AM
Methyl tert-butyl ether	ND	0.056		mg/Kg-dry	1	9/21/01 9:54:00 AM
Benzene	ND	0.056		mg/Kg-dry	1	9/21/01 9:54:00 AM
Toluene	ND	0.056		mg/Kg-dry	1	9/21/01 9:54:00 AM
Ethylbenzene	ND	0.056		mg/Kg-dry	1	9/21/01 9:54:00 AM
m,p-Xylene	ND	0.056		mg/Kg-dry	1	9/21/01 9:54:00 AM
o-Xylene	ND	0.056		mg/Kg-dry	1	9/21/01 9:54:00 AM
Naphthalene	ND	0.14		mg/Kg-dry	1	9/21/01 9:54:00 AM
Surr: Dibromofluoromethane	82.0	70-130		%REC	1	9/21/01 9:54:00 AM
Surr: 1,2-Dichloroethane-d4	97.6	70-130		%REC	1	9/21/01 9:54:00 AM
Surr: Toluene-d8	110	70-130		%REC	1	9/21/01 9:54:00 AM
Surr: 4-Bromofluorobenzene	106	70-130		%REC	1	9/21/01 9:54:00 AM
Surr: 2,5-Dibromotoluene	95.4	70-130		%REC	1	9/21/01 9:54:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

**CERTIFICATION**

Were all QA/QC procedures required by the VPH or EPH method followed:

☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved:

☐ Yes ☒ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:



DATE:

9-26-01

PRINTED NAME: Nancy Stewart

POSITION: Laboratory Director (or designee)

**Qualifiers:** RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

# - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

## AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
 Lab Order: 0109127  
 Project: 068511000 Devens Landfill  
 Lab ID: 0109127-04B

Client Sample ID: DLRP-SP-199  
 Tag Number:  
 Collection Date: 9/18/01  
 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		MAVPH				Analyst: SK
C5-C8 Aliphatic Hydrocarbons	ND	2.8		mg/Kg-dry	1	9/21/01 10:48:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	0.70		mg/Kg-dry	1	9/21/01 10:48:00 AM
C9-C10 Aromatic Hydrocarbons	ND	0.70		mg/Kg-dry	1	9/21/01 10:48:00 AM
Methyl tert-butyl ether	ND	0.056		mg/Kg-dry	1	9/21/01 10:48:00 AM
Benzene	ND	0.056		mg/Kg-dry	1	9/21/01 10:48:00 AM
Toluene	ND	0.056		mg/Kg-dry	1	9/21/01 10:48:00 AM
Ethylbenzene	ND	0.056		mg/Kg-dry	1	9/21/01 10:48:00 AM
m,p-Xylene	ND	0.056		mg/Kg-dry	1	9/21/01 10:48:00 AM
o-Xylene	ND	0.056		mg/Kg-dry	1	9/21/01 10:48:00 AM
Naphthalene	ND	0.14		mg/Kg-dry	1	9/21/01 10:48:00 AM
Surr: Dibromofluoromethane	112	70-130		%REC	1	9/21/01 10:48:00 AM
Surr: 1,2-Dichloroethane-d4	103	70-130		%REC	1	9/21/01 10:48:00 AM
Surr: Toluene-d8	129	70-130		%REC	1	9/21/01 10:48:00 AM
Surr: 4-Bromofluorobenzene	130	70-130		%REC	1	9/21/01 10:48:00 AM
Surr: 2,5-Dibromotoluene	114	70-130		%REC	1	9/21/01 10:48:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved:

☐ Yes ☒ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:



DATE:

9-26-01

PRINTED NAME: Nancy Stewart

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

# - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

## AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
 Lab Order: 0109127  
 Project: 068511000 Devens Landfill  
 Lab ID: 0109127-05B

Client Sample ID: DLRP-SP-200  
 Tag Number:  
 Collection Date: 9/18/01  
 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		MAVPH				Analyst: SK
C5-C8 Aliphatic Hydrocarbons	ND	2.4		mg/Kg-dry	1	9/21/01 11:24:00 AM
C9-C12 Aliphatic Hydrocarbons	ND	0.60		mg/Kg-dry	1	9/21/01 11:24:00 AM
C9-C10 Aromatic Hydrocarbons	ND	0.60		mg/Kg-dry	1	9/21/01 11:24:00 AM
Methyl tert-butyl ether	ND	0.048		mg/Kg-dry	1	9/21/01 11:24:00 AM
Benzene	ND	0.048		mg/Kg-dry	1	9/21/01 11:24:00 AM
Toluene	ND	0.048		mg/Kg-dry	1	9/21/01 11:24:00 AM
Ethylbenzene	ND	0.048		mg/Kg-dry	1	9/21/01 11:24:00 AM
m,p-Xylene	ND	0.048		mg/Kg-dry	1	9/21/01 11:24:00 AM
o-Xylene	ND	0.048		mg/Kg-dry	1	9/21/01 11:24:00 AM
Naphthalene	ND	0.12		mg/Kg-dry	1	9/21/01 11:24:00 AM
Surr: Dibromofluoromethane	97.9	70-130		%REC	1	9/21/01 11:24:00 AM
Surr: 1,2-Dichloroethane-d4	90.4	70-130		%REC	1	9/21/01 11:24:00 AM
Surr: Toluene-d8	101	70-130		%REC	1	9/21/01 11:24:00 AM
Surr: 4-Bromofluorobenzene	108	70-130		%REC	1	9/21/01 11:24:00 AM
Surr: 2,5-Dibromotoluene	104	70-130		%REC	1	9/21/01 11:24:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved:

☐ Yes ☒ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:



DATE:

9-26-01

PRINTED NAME: Nancy Stewart

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

# - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

## AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
 Lab Order: 0109127  
 Project: 068511000 Devens Landfill  
 Lab ID: 0109127-01D

Client Sample ID: DLRP-SP-196  
 Tag Number:  
 Collection Date: 9/18/01  
 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH</b>						Analyst: RKK
*** Sample receipt problems were observed for this test method. See Case Narrative for details. ***						
C9-C18 Aliphatic Hydrocarbons	ND	49		mg/Kg-dry	1	9/22/01 7:14:00 AM
C19-C36 Aliphatic Hydrocarbons	ND	49		mg/Kg-dry	1	9/22/01 7:14:00 AM
C11-C22 Aromatic Hydrocarbons	ND	49		mg/Kg-dry	1	9/22/01 7:14:00 AM
Naphthalene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
2-Methylnaphthalene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Acenaphthylene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Acenaphthene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Fluorene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Phenanthrene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Anthracene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Fluoranthene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Pyrene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Benz(a)anthracene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Chrysene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Benzo(b)fluoranthene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Benzo(k)fluoranthene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Benzo(a)pyrene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Dibenz(a,h)anthracene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Benzo(g,h,i)perylene	ND	0.24		mg/Kg-dry	1	9/22/01 7:14:00 AM
Surr: 1-Chlorooctadecane	82.5	40-140		%REC	1	9/22/01 7:14:00 AM
Surr: 2-Bromonaphthalene	88.3	40-140		%REC	1	9/22/01 7:14:00 AM
Surr: 2-Fluorobiphenyl	92.7	40-140		%REC	1	9/22/01 7:14:00 AM
Surr: o-Terphenyl	85.2	40-140		%REC	1	9/22/01 7:14:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative  
 Were all performance/acceptance standards for required QA/QC procedures achieved: ☐ Yes ☒ No - If No, See Case Narrative  
 Were any significant modifications made to the method as specified in section 11.3: ☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:



DATE:

9-26-01

PRINTED NAME: Nancy Stewart

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

# - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded



# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-02D

Client Sample ID: DLRP-SP-197  
Tag Number:  
Collection Date: 9/18/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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## EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH

Analyst: RKK

\*\*\* Sample receipt problems were observed for this test method. See Case Narrative for details. \*\*\*

C9-C18 Aliphatic Hydrocarbons	ND	54		mg/Kg-dry	1	9/22/01 7:49:00 AM
C19-C36 Aliphatic Hydrocarbons	ND	54		mg/Kg-dry	1	9/22/01 7:49:00 AM
C11-C22 Aromatic Hydrocarbons	ND	54		mg/Kg-dry	1	9/22/01 7:49:00 AM
Naphthalene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
2-Methylnaphthalene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Acenaphthylene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Acenaphthene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Fluorene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Phenanthrene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Anthracene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Fluoranthene	0.32	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Pyrene	0.31	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Benz(a)anthracene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Chrysene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Benzo(b)fluoranthene	0.43	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Benzo(k)fluoranthene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Benzo(a)pyrene	0.31	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Dibenz(a,h)anthracene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Benzo(g,h,i)perylene	ND	0.27		mg/Kg-dry	1	9/22/01 7:49:00 AM
Surr: 1-Chlorooctadecane	89.1	40-140		%REC	1	9/22/01 7:49:00 AM
Surr: 2-Bromonaphthalene	99.0	40-140		%REC	1	9/22/01 7:49:00 AM
Surr: 2-Fluorobiphenyl	105	40-140		%REC	1	9/22/01 7:49:00 AM
Surr: o-Terphenyl	97.9	40-140		%REC	1	9/22/01 7:49:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

### CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved:

☐ Yes ☒ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:



DATE:

9-26-01

PRINTED NAME: Nancy Stewart

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

I - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

// - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-03D

Client Sample ID: DLRP-SP-198  
Tag Number:  
Collection Date: 9/18/01  
Matrix: SOIL


Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH</b>						Analyst: RKK
*** Sample receipt problems were observed for this test method. See Case Narrative for details. ***						
C9-C18 Aliphatic Hydrocarbons	ND	52		mg/Kg-dry	1	9/22/01 8:24:00 AM
C19-C36 Aliphatic Hydrocarbons	ND	52		mg/Kg-dry	1	9/22/01 8:24:00 AM
C11-C22 Aromatic Hydrocarbons	ND	52		mg/Kg-dry	1	9/22/01 8:24:00 AM
Naphthalene	ND	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
2-Methylnaphthalene	ND	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Acenaphthylene	ND	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Acenaphthene	ND	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Fluorene	ND	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Phenanthrene	0.48	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Anthracene	ND	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Fluoranthene	0.5	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Pyrene	1.2	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Benz(a)anthracene	0.74	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Chrysene	0.87	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Benzo(b)fluoranthene	1.4	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Benzo(k)fluoranthene	0.49	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Benzo(a)pyrene	0.86	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Dibenz(a,h)anthracene	ND	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Indeno(1,2,3-cd)pyrene	0.59	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Benzo(g,h,i)perylene	0.46	0.26		mg/Kg-dry	1	9/22/01 8:24:00 AM
Surr: 1-Chlorooctadecane	77.1	40-140		%REC	1	9/22/01 8:24:00 AM
Surr: 2-Bromonaphthalene	91.2	40-140		%REC	1	9/22/01 8:24:00 AM
Surr: 2-Fluorobiphenyl	94.6	40-140		%REC	1	9/22/01 8:24:00 AM
Surr: o-Terphenyl	79.1	40-140		%REC	1	9/22/01 8:24:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative  
Were all performance/acceptance standards for required QA/QC procedures achieved: ☐ Yes ☒ No - If No, See Case Narrative  
Were any significant modifications made to the method as specified in section 11.3: ☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:   
PRINTED NAME: Nancy Stewart

DATE: 9-26-01  
POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit    S - Spike Recovery outside accepted recovery limits    E - Value above quantitation range  
J - Analyte detected below quantitation limits    R - RPD outside accepted recovery limits    # - See Case Narrative  
B - Analyte detected in the associated Method Blank    H - Method prescribed holding time exceeded

# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-04D

Client Sample ID: DLRP-SP-199  
Tag Number:  
Collection Date: 9/18/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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## EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH

Analyst: RKK

\*\*\* Sample receipt problems were observed for this test method. See Case Narrative for details. \*\*\*

C9-C18 Aliphatic Hydrocarbons	ND	52		mg/Kg-dry	1	9/22/01 9:35:00 AM
C19-C36 Aliphatic Hydrocarbons	ND	52		mg/Kg-dry	1	9/22/01 9:35:00 AM
C11-C22 Aromatic Hydrocarbons	ND	52		mg/Kg-dry	1	9/22/01 9:35:00 AM
Naphthalene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
2-Methylnaphthalene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Acenaphthylene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Acenaphthene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Fluorene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Phenanthrene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Anthracene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Fluoranthene	0.45	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Pyrene	0.40	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Benz(a)anthracene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Chrysene	0.30	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Benzo(b)fluoranthene	0.48	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Benzo(k)fluoranthene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Benzo(a)pyrene	0.32	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Dibenz(a,h)anthracene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Indeno(1,2,3-cd)pyrene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Benzo(g,h,i)perylene	ND	0.26		mg/Kg-dry	1	9/22/01 9:35:00 AM
Surr: 1-Chlorooctadecane	91.8	40-140		%REC	1	9/22/01 9:35:00 AM
Surr: 2-Bromonaphthalene	89.4	40-140		%REC	1	9/22/01 9:35:00 AM
Surr: 2-Fluorobiphenyl	93.6	40-140		%REC	1	9/22/01 9:35:00 AM
Surr: o-Terphenyl	83.9	40-140		%REC	1	9/22/01 9:35:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

### CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved:

☐ Yes ☒ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:



DATE:

9-26-01

PRINTED NAME: Nancy Stewart

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit.

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

L - Analyte detected below quantitation limit

R - RPD outside accepted recovery limits

# - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded



# AMRO Environmental Laboratories Corp.

Date: 26-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109127  
Project: 068511000 Devens Landfill  
Lab ID: 0109127-05D

Client Sample ID: DLRP-SP-200  
Tag Number:  
Collection Date: 9/18/01  
Matrix: SOIL


Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH</b>						Analyst: RKK
*** Sample receipt problems were observed for this test method. See Case Narrative for details. ***						
C9-C18 Aliphatic Hydrocarbons	ND	53		mg/Kg-dry	1	9/22/01 10:11:00 AM
C19-C36 Aliphatic Hydrocarbons	ND	53		mg/Kg-dry	1	9/22/01 10:11:00 AM
C11-C22 Aromatic Hydrocarbons	ND	53		mg/Kg-dry	1	9/22/01 10:11:00 AM
Naphthalene	ND	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
2-Methylnaphthalene	ND	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Acenaphthylene	ND	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Acenaphthene	ND	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Fluorene	ND	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Phenanthrene	ND	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Anthracene	ND	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Fluoranthene	0.75	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Pyrene	0.69	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Benz(a)anthracene	0.48	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Chrysene	0.61	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Benzo(b)fluoranthene	0.92	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Benzo(k)fluoranthene	1.64	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Benzo(a)pyrene	0.58	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Dibenz(a,h)anthracene	ND	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Indeno(1,2,3-cd)pyrene	0.45	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Benzo(g,h,i)perylene	0.30	0.26		mg/Kg-dry	1	9/22/01 10:11:00 AM
Surr: 1-Chlorooctadecane	82.9	40-140		%REC	1	9/22/01 10:11:00 AM
Surr: 2-Bromonaphthalene	96.4	40-140		%REC	1	9/22/01 10:11:00 AM
Surr: 2-Fluorobiphenyl	104	40-140		%REC	1	9/22/01 10:11:00 AM
Surr: o-Terphenyl	84.6	40-140		%REC	1	9/22/01 10:11:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative  
Were all performance/acceptance standards for required QA/QC procedures achieved: ☐ Yes ☒ No - If No, See Case Narrative  
Were any significant modifications made to the method as specified in section 11.3: ☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:   
PRINTED NAME: Nancy Stewart

DATE: 9-26-01  
POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits E - Value above quantitation range  
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative  
B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded



Lab Order: 0109127  
 Client: Stone & Webster Construction Co.  
 Project: 068511000 Devens Landfill

## DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0109127-01A	DLRP-SP-196	9/18/01	Soil	GASOLINE RANGE ORGANICS		9/20/01	9/20/01
				VOLATILES by GC/MS, Medium-Level		9/18/01	9/24/01
0109127-01B				Volatile Petroleum Hydrocarbons		9/18/01	9/21/01
0109127-01C				ICP METALS, 3051/6010		9/20/01	9/20/01
				MERCURY, Soil		9/20/01	9/20/01
				ORGANOCHLORINE PESTICIDES		9/20/01	9/20/01
				PCBS IN SOIL/SOLIDS		9/20/01	9/20/01
				Percent Moisture			9/20/01
				SVOC + Pyridine, Soil/Solids		9/20/01	9/21/01
0109127-01D	DLRP-SP-197			DIESEL RANGE ORGANICS		9/20/01	9/21/01
				EPII, Soil, Full List		9/20/01	9/22/01
0109127-02A				GASOLINE RANGE ORGANICS		9/20/01	9/20/01
				VOLATILES by GC/MS, Medium-Level		9/18/01	9/24/01
0109127-02B				Volatile Petroleum Hydrocarbons		9/18/01	9/21/01
0109127-02C				ICP METALS, 3051/6010		9/20/01	9/20/01
				MERCURY, Soil		9/20/01	9/20/01
				ORGANOCHLORINE PESTICIDES		9/20/01	9/20/01
				PCBS IN SOIL/SOLIDS		9/20/01	9/20/01
	DLRP-SP-198			Percent Moisture			9/20/01
				SVOC + Pyridine, Soil/Solids		9/20/01	9/21/01
0109127-02D				DIESEL RANGE ORGANICS		9/20/01	9/21/01
				EPII, Soil, Full List		9/20/01	9/22/01
0109127-03A				GASOLINE RANGE ORGANICS		9/20/01	9/20/01
				VOLATILES by GC/MS, Medium-Level		9/18/01	9/25/01
0109127-03B				Volatile Petroleum Hydrocarbons		9/18/01	9/21/01
0109127-03C				ICP METALS, 3051/6010		9/20/01	9/20/01
				MERCURY, Soil		9/20/01	9/20/01
				ORGANOCHLORINE PESTICIDES		9/20/01	9/22/01

Lab Order: 0109127  
 Client: Stone & Webster Construction Co.  
 Project: 068511000 Devens Landfill

# DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0109127-03C	DLRP-SP-198	9/18/01	Soil	ORGANOCHLORINE PESTICIDES		9/20/01	9/21/01
				PCBS IN SOIL/SOLIDS		9/20/01	9/20/01
				Percent Moisture			9/20/01
				SVOC - Pyridine, Soil/Solids		9/20/01	9/21/01
0109127-03D	DLRP-SP-199			DIESEL RANGE ORGANICS		9/20/01	9/21/01
				EPA Soil, Full List		9/20/01	9/22/01
0109127-04A				GASOLINE RANGE ORGANICS		9/20/01	9/20/01
				VOLATILES by GC/MS, Medium-Level		9/18/01	9/21/01
0109127-04B				Volatile Petroleum Hydrocarbons		9/18/01	9/21/01
0109127-04C				ICP METALS, 3051/6010		9/20/01	9/20/01
				MERCURY, Soil		9/20/01	9/20/01
				ORGANOCHLORINE PESTICIDES		9/20/01	9/21/01
				PCBS IN SOIL/SOLIDS		9/20/01	9/20/01
				Percent Moisture			9/20/01
				SVOC - Pyridine, Soil/Solids		9/20/01	9/21/01
0109127-04D				DIESEL RANGE ORGANICS		9/20/01	9/21/01
				EPA Soil, Full List		9/20/01	9/22/01
0109127-05A				GASOLINE RANGE ORGANICS		9/20/01	9/20/01
				VOLATILES by GC/MS, Medium-Level		9/18/01	9/24/01
0109127-05B				Volatile Petroleum Hydrocarbons		9/18/01	9/21/01
0109127-05C				ICP METALS, 3051/6010		9/20/01	9/20/01
				MERCURY, Soil		9/20/01	9/20/01
				ORGANOCHLORINE PESTICIDES		9/20/01	9/21/01
				PCBS IN SOIL/SOLIDS		9/20/01	9/20/01
				Percent Moisture			9/20/01
				SVOC - Pyridine, Soil/Solids		9/20/01	9/21/01
0109127-05D				DIESEL RANGE ORGANICS		9/20/01	9/21/01
				EPA Soil, Full List		9/20/01	9/22/01

Lab Order: 0109127  
 Client: Stone & Webster Construction Co.  
 Project: 068511000 Devens Landfill

## DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0109127-06A	TRIP BLANK	9/18/01	Soil	VOIATILES by GC/MS, Medium-Level		9/18/01	9/24/01

AMRO ID: 0109127  
Date Rec.: 9-14-01  
Date Due: 9-26-01

Yes	No	NA	Comments
		✓	
		✓	
		✓	
		✓	
✓			
✓			
✓	✓		
✓			
✓			
✓			
✓			
✓			
✓			
X-fig		✓	
✓			
✓			

If NO then fax client and inform the VOA lab ASAP.

TAT:

Filtration Log?

Logged in By: *CL* Date: *9-19-01*  
Checked By: *M 67* Date: *9-20-01*



4113933

Project No.: <u>67-210-2</u>		Project Name: <u>1. 2000</u>		Project Manager: <u>20</u>		Samplers (Signature): <u>20</u>		AMRO Project No.: <u>1000</u>								
		Project State:														
Sample ID	Date/Time Sampled	Matrix A= Air S= Soil GW= Ground W. WW= Waste W. DW= Drinking W. O= Oil Other= Specify	Total # of Cont. & Size	Analysis Required												Remarks
				1000	2000	3000	4000	5000	6000	7000	8000	9000	10000			
1000-50 170	4/1/2000	3	1 600	20	20	20	20	20	20	20	20	20	20	20	20	
1000-50 170	4/1/2000	3	1 400													
1000-50 170	4/1/2000	3	1 400													
1000-50 170	4/1/2000	3	1 400													
1000-50 170	4/1/2000	3	1 400													
1000-50 170	4/1/2000	3	1 400													
1000-50 170	4/1/2000	3	1 400													
1000-50 170	4/1/2000	3	1 400													
1000-50 170	4/1/2000	3	1 400													
1000-50 170	4/1/2000	3	1 400													
Preservative: Cl-HCl, MeOH, N-HNO3, S-H2SO4, Na-NaOH, O- Other																
Container Type: P- Plastic, G-Glass, V-Vial, T- Teflon, O-Other																
Please print clearly, legibly and completely. Samples can not be logged in and the turnaround time clock will not start until any ambiguities are resolved.				FAX No.: _____				NOTES: Preservatives, Special reporting limits, Known Contamination, etc;								
Send Results To: _____																
Relinquished By		Date/ Time		Received By		Date/Time		Seal Intact?		GW-1		GW-2		GW-3		
								Yes No N/A		MCP Level Needed:						
								P.O. No:		PRIORITY TURNAROUND TIME AUTHORIZATION						
								Results Needed By:		Before submitting samples for expedited TAT, you must have requested in advance and received a coded TAT AUTHORIZATION NUMBER						
										AUTHORIZATION No. BY:						
										SHEET OF						
Yellow: Lab Copy		Yellow: Accompanies Report		Pink: Client Copy												

[illegible]

# *The Commonwealth of Massachusetts*



## *Department of Environmental Protection*

### *Division of Environmental Analysis*

#### *Senator William X. Wall Experiment Station*

*certifies*

M-NH012

AMRO ENVIRONMENTAL LAB  
111 HERRICK ST  
MERRIMACK, NH 03054-0000

*Laboratory Director:* Nancy Stewart

*for the analysis of* NON POTABLE WATER (CHEMISTRY)  
POTABLE WATER (CHEMISTRY)

*pursuant to 310 CMR 42.00*

*This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.*

*This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.*

*Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.*

A handwritten signature in cursive script, reading "Oscar C. Garabito".

*Director, Division of Environmental Analysis*

*Issued:* 01 JUL 2001

*Expires:* 30 JUN 2002



COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB  
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY)		Effective Date	01 JUL 2001	Expiration Date	30 JUN 2002
<u>Analytes and Methods</u>					
ALUMINUM	EPA 200.7	NITRATE-N		EPA 353.2	
ANTIMONY	EPA 200.7	KJELDAHL-N		EPA 351.1	
ANTIMONY	EPA 204.2	KJELDAHL-N		EPA 351.2	
ARSENIC	EPA 200.7	ORTHOPHOSPHATE		EPA 365.2	
ARSENIC	EPA 206.2	ORTHOPHOSPHATE		EPA 300.0	
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS		EPA 365.2	
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND		EPA 410.4	
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND		HACH METHOD 8000	
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND		EPA 405.1	
COBALT	EPA 200.7	TOTAL CYANIDE		EPA 335.2	
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE		EPA 160.2	
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE		SM 4500-CL-G	
LEAD	EPA 200.7	OIL AND GREASE		EPA 413.1	
LEAD	EPA 239.2	TOTAL PHENOLICS		EPA 420.1	
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS		EPA 624	
MERCURY	EPA 245.1	VOLATILE AROMATICS		EPA 624	
MOLYBDENUM	EPA 200.7	CHLORDANE		EPA 608	
NICKEL	EPA 200.7	ALDRIN		EPA 608	
SELENIUM	EPA 200.7	DIELDRIN		EPA 608	
SELENIUM	EPA 270.2	DDD		EPA 608	
SILVER	EPA 200.7	DDT		EPA 608	
STRONTIUM	EPA 200.7	HEPTACHLOR		EPA 608	
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE		EPA 608	
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)		EPA 608	
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)		EPA 600/4-81-045	
PH	EPA 150.1				
SPECIFIC CONDUCTIVITY	EPA 120.1				
TOTAL DISSOLVED SOLIDS	EPA 160.1				
TOTAL HARDNESS (CaCO3)	EPA 200.7				
CALCIUM	EPA 200.7				
MAGNESIUM	EPA 200.7				
SODIUM	EPA 200.7				
POTASSIUM	EPA 200.7				
TOTAL ALKALINITY	EPA 310.1				
CHLORIDE	EPA 325.3				
CHLORIDE	EPA 300.0				
FLUORIDE	EPA 340.2				
FLUORIDE	EPA 300.0				
SULFATE	EPA 375.4				
SULFATE	EPA 300.0				
AMMONIA-N	EPA 350.2				
NITRATE-N	EPA 300.0				



COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2001

M- NH012

AMRO ENVIRONMENTAL LAB  
MERRIMACK NH

WATER (CHEMISTRY)

Effective  
Date

01 JUL 2001

Expiration  
Date

30 JUN 2002

Analytes and Methods

ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

## **APPENDIX 13**

### **Table 1 – MADEP Policy #COMM-97-001**

Department of Environmental Protection  
Policy # COMM-97-001

**TABLE 1**  
**CONTAMINANT LEVELS FOR SOIL REUSE AT LANDFILLS**

CONTAMINANT	Reuse Levels (mg/kg) <sup>a</sup>	
	Lined Landfills	Unlined Landfill
Total Arsenic	40	40
Total Cadmium	80	30
Total Chromium	1,000	1,000
Total Lead	2,000	1,000
Total Mercury	10	10
Total Petroleum Hydrocarbons (TPH)	5,000	2,500
Total PCBs <sup>b</sup>	< 2	< 2
Total SVOCs <sup>c</sup>	100	100
Total VOCs <sup>d</sup>	10	4
Conductivity <sup>e</sup> (umhos/cm)	8,000 umhos/cm	4,000 umhos/cm
Listed or Characteristic Hazardous Waste (TCLP) <sup>f</sup>	NONE	NONE

**TABLE 1 NOTES:**

- a The reuse levels are expressed as total levels in mg/kg and apply to reuse of soil as daily cover, intermediate cover, and pre-capping contour material at lined landfills and unlined landfills as described in this Policy.
- b Total concentrations of polychlorinated biphenyls EPA Method 8080.
- c Total concentrations of compounds listed in EPA Method 8270.
- d Total concentration of compounds listed in EPA Method 8260.
- e For soil which may be expected to contain elevated NaCl.
- f TCLP testing shall be performed for metals or organic compounds when the total concentrations in the soil are above the theoretical levels at which the TCLP criteria may be exceeded. For guidance parties shall consult United States Environmental Protection Agency, Memorandum #36, "Notes on RCRA Methods and QA Activities", pp. 19-21, Gail Hanson, January 12, 1993.

[Please note that the methods specified in footnotes d, e, and f indicate the universe of chemicals to be added up in calculating the total concentrations for these classes of contaminants. Section 5.0 of this Policy provides guidance for determining which specific chemicals must be considered chemicals of concern (e.g., contaminants) within the soil. This Policy does not specify the analytical test methods to be used to quantify the specific contaminants. Readers can consult 310 CMR 40.0017 Environmental Sample Collection and Analysis, 310 CMR 30.110 Criteria, Procedures for Determining Which Wastes are to be Regulated as Hazardous Waste or Non-Hazardous Waste and 310 CMR 30.151 Representative Sampling Methods for additional information which may be applicable to the selection of appropriate sampling and analytical methods.]

**APPENDIX 14**  
**Barnum Road – PetroFlag Field Data**





## Hydrocarbon Test Kit - Field Data Sheet

Date: 10/22/01

Calibration Time/Date: 0910 / 10-22-01

Operator: LH/RJS/JC

Calibration Temperature: 17.4C

Location: BAENUM ROAD

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-B2-01	10g	1000/10-22-01	169	1	5	169	Soil
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<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.



## Hydrocarbon Test Kit - Field Data Sheet

Date: 10-23-01  
 Operator: IRM / EJS  
 Location: BARNUM ROAD

Calibration Time/Date: 11/20/10 03-01  
 Calibration Temperature: 14.8°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PE-BR-02	10g	11/30	88	1	5	88	Soil
2	PE-BR-03	10g	11/30	284	1	5	284	Soil
3	PE-BR-04	10g	11/30	105	1	5	105	Soil
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<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon compound.

7/01

STELLINGMA HYDROCARBON TEST KIT REWEIGHT 002 Rev 0



## Hydrocarbon Test Kit - Field Data Sheet

Date: 10-21-01  
Operator: JBH/RS  
Location: BARNUM ROAD

Calibration Time/Date: 0910  
Calibration Temperature: 20.6 C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-BR-05	10g	0930	322	1	5	322	Soil
2	PF-BR-06	10g	0930	352	1	5	352	Soil
3	PF-BR-07	10g	0930	237	1	5	237	Soil
4	PF-BR-08	10g	0930	252	1	5	252	Soil
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<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.



Calibration Time/~~Date~~: 0930  
Calibration Temperature: 21.3 C

<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration)

1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26





## Hydrocarbon Test Kit - Field Data Sheet

Date: 10/26/01

Calibration Time/Date: 0920

Operator: IBM/RJS

Calibration Temperature: 131C

Location: BARNUM ROAD

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-BR-12	10g	1000	435	1	5	435	Soil
2	PF-BR-13	10g	1000	369	1	5	369	Soil
3	PF-BR-14	10g	1000	397	1	5	397	Soil
4	PF-BR-15	10g	1000	438	1	5	438	Soil
5	PF-BR-16	10g	1000	513	1	5	513	Soil
6	PF-BR-17	10g	1000	358	1	5	358	Soil
7	PF-BR-18	10g	1000	359	1	5	359	Soil
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<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.



## Hydrocarbon Test Kit - Field Data Sheet

Date: 10/29/01  
 Operator: LBM  
 Location: BARNUM ROAD

Calibration Time/Date: 0935  
 Calibration Temperature: 18.9C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-BZ-19	10g	1015	199	1	5	199	Soil
2	PF-BZ-20	10g	1015	195	1	5	195	Soil
3	PF-BZ-21	10g	1015	254	1	5	254	Soil
4	PF-BZ-22	10g	1015	102	1	5	102	Soil
5	PF-BZ-23	10g	1015	248		5	248	Soil
	PF-BZ-24	10g	1015	164		5	164	Soil
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<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contaminant.



## Hydrocarbon Test Kit - Field Data Sheet

Date: 10/30/01

Calibration Time/Date: 1515

Operator: LBM

Calibration Temperature: 23.1C

Location: BARNUM ROAD

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-B2-25	10g	1530	336	1	5	336	SOIL
2	PF-B2-26	10g	1530	242	1	5	242	SOIL
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<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.



## Hydrocarbon Test Kit - Field Data Sheet

Date: 11/29/01

Calibration Time/Date: 1435

Operator: LBM/RS

Calibration Temperature: 8.6C

Location: BARNUM ROAD

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PE-BR-27	10g	1500	518	1	5	518	SOIL
2	PE-BR-28	10g	1500	326	1	5	326	SOIL
3	PE-BR-29	10g	1500	604		5	604	SOIL
4	PE-BR-30	10g	1500	682		5	682	SOIL
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<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon concentration.

END SHEET

SEE PUBLIC INSTRUCTIONS Petrol PFWKSHT 002 Rev 0





## Hydrocarbon Test Kit - Field Data Sheet

Date: 12/03/01

Calibration Time/Date: 0730

Operator: LBH/RS

Calibration Temperature: 13.9 C

Location: BARNUM ROAD

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-BR-31	10g	0800	867	1	5	867	SOIL
2	PF-BR-32	10g	1025	563	1	5	563	SOIL
3	PF-BR-33	10g	1310	2012	1	5	2012	SOIL
4	PF-BR-34	10g	1430	1552	1	5	1552	SOIL
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<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2. and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.



## Hydrocarbon Test Kit - Field Data Sheet

Date: 12/04/01  
Operator: LBN/RJS  
Location: BARNUM ROAD

Calibration Time/~~Date~~: 0910  
Calibration Temperature: 14.2 C

No.	Sample ID	Weight	Time/ <del>Date</del>	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-BR-35	10g	0930	2050	1	5	2050	SOIL
2	PF-BR-36	10g	1100	821	1	5	821	SOIL
3	PF-BR-37	10g	1315	969	1	5	969	SOIL
4	PF-BR-38	10g	1430	497	1	5	497	SOIL
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<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.



## Hydrocarbon Test Kit - Field Data Sheet

Date: 12/05/01

Calibration Time/Date: 0830

Operator: LBM/RJS

Calibration Temperature: 16.9 C

Location: BARNUM ROAD

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-BR-39	10g	0930	865	1	5	865	Soil
2	PF-BR-40	10g	1100	768	1	5	768	Soil
3	PF-BR-41	10g	1215	1020	1	5	1020	Soil
4	PF-BR-42	10g	1330	635	1	5	635	Soil
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<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.



## Hydrocarbon Test Kit - Field Data Sheet

Date: 12/06/01

Operator: IBM/JC

Location: BARNUM ROAD

Calibration Time/~~Date~~ 0830

Calibration Temperature: 14.7 C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-BE-43	10g	0915	225	1	5	225	Soil
2	PF-BE-44	10g	1040	465	1	5	465	Soil
3	PF-BE-45	10g	1210	417	1	5	417	Soil
4	PF-BE-46	10g	1350	694	1	5	694	Soil
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17								
18								
19								
20								

<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.





## Hydrocarbon Test Kit - Field Data Sheet

Date: 12/10/01

Calibration Time/Date: 0900

Operator: LBM/JC

Calibration Temperature: 12.0C

Location: BARNUM ROAD

No.	Sample ID	Weight	Time/ <del>Date</del>	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-BE-47	10g	0930	1136	1	5	1136	SOIL
2	PF-BE-48	10g	1045	825	1	5	825	SOIL
3	PF-BE-49	10g	1350	1006	1	5	1006	SOIL
4	PF-BE-50	10g	1430	408	1	5	408	SOIL
5								
6								
7								
8								
9								
10								
11								
12								
13								
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19								
20								

<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.

## **APPENDIX 15**

### **West Rail Stockpile Analytical Data**



111 Herrick Street, Merrimack, NH 03054  
TEL: (603) 424-2022 • FAX: (603) 429-3496

September 28, 2001

Jeffrey Shea  
Stone & Webster Construction Co.  
45 Patton Road  
Ayer, MA 01432  
TEL: (978) 784-0900  
FAX: (978) 784-0999

RE: 068511000 Devens Landfill

Order No.: 0109150

Dear Jeffrey Shea:

AMRO Environmental Laboratories Corp. received 4 samples on 9/21/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of 48 pages. This letter is an integral part of your data report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

Nancy Stewart  
Vice President / Lab Director

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Project:** 068511000 Devens Landfill**Lab Order:** 0109150**Date Received:** 9/21/01**Work Order Sample Summary**

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Lab Sample ID	Client Sample ID	Collection Date
0109150-01A	DLRP-SP-201	9/20/01
0109150-01B	DLRP-SP-201	9/20/01
0109150-01C	DLRP-SP-201	9/20/01
0109150-01D	DLRP-SP-201	9/20/01
0109150-02A	DLRP-SP-202	9/20/01
0109150-02B	DLRP-SP-202	9/20/01
0109150-02C	DLRP-SP-202	9/20/01
0109150-02D	DLRP-SP-202	9/20/01
0109150-03A	DLRP-SP-203	9/20/01
0109150-03B	DLRP-SP-203	9/20/01
0109150-03C	DLRP-SP-203	9/20/01
0109150-03D	DLRP-SP-203	9/20/01
0109150-04A	TRIP BLANK	9/20/01



**AMRO Environmental Laboratories Corp.**

**Date:** 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Project:** 068511000 Devens Landfill  
**Lab Order:** 0109150

**CASE NARRATIVE**

---

MADEP-EPH

1. Samples were received in clear jars. The method specifies amber jars.

PESTICIDE

1. The Endrin and Delta-BHC %difference (%D) in the opening Continuing Calibration Verification analyzed on 09/26/01 and 09/27/01 on instrument Trent exceeded the  $\pm 15\%$  limit. The laboratory used the average percent difference for all analytes as per SW-846 Method 8081A Section 7.5. Please refer to the Continuing Calibration Summary Form in the Pesticide Section.

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Project:** 068511000 Devens Landfill**Lab Order:** 0109150**Lab ID:** 0109150-01**Collection Date:** 9/20/01**Client Sample ID:** DLRP-SP-201**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B		Analyst: SJK		
Arsenic	17	6.3		mg/Kg-dry	1	9/25/01 11:36:38 AM
Barium	ND	25		mg/Kg-dry	1	9/25/01 11:36:38 AM
Cadmium	ND	0.63		mg/Kg-dry	1	9/25/01 11:36:38 AM
Chromium	12	1.3		mg/Kg-dry	1	9/25/01 11:36:38 AM
Lead	20	3.1		mg/Kg-dry	1	9/25/01 11:36:38 AM
Selenium	ND	10		mg/Kg-dry	1	9/25/01 11:36:38 AM
Silver	ND	1.8		mg/Kg-dry	1	9/25/01 11:36:38 AM
MERCURY, 7471A		SW7471A		Analyst: GM		
Mercury	0.023	0.025		mg/Kg-dry	1	9/25/01
PERCENT MOISTURE		D2216		Analyst: JC		
Percent Moisture	5.9	0		wt%	1	9/24/01

**Lab ID:** 0109150-02**Collection Date:** 9/20/01**Client Sample ID:** DLRP-SP-202**Matrix:** SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B		Analyst: SJK		
Arsenic	15	6.3		mg/Kg-dry	1	9/25/01 11:41:06 AM
Barium	26	25		mg/Kg-dry	1	9/25/01 11:41:06 AM
Cadmium	ND	0.63		mg/Kg-dry	1	9/25/01 11:41:06 AM
Chromium	16	1.3		mg/Kg-dry	1	9/25/01 11:41:06 AM
Lead	47	3.1		mg/Kg-dry	1	9/25/01 11:41:06 AM
Selenium	ND	10		mg/Kg-dry	1	9/25/01 11:41:06 AM
Silver	ND	1.8		mg/Kg-dry	1	9/25/01 11:41:06 AM
MERCURY, 7471A		SW7471A		Analyst: GM		
Mercury	0.037	0.025		mg/Kg-dry	1	9/25/01
PERCENT MOISTURE		D2216		Analyst: JC		
Percent Moisture	5.7	0		wt%	1	9/24/01

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected below associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.  
Project: 068511000 Devens Landfill

Lab Order: 0109150

Lab ID: 0109150-03

Collection Date: 9/20/01

Client Sample ID: DLRP-SP-203

Matrix: SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010		SW6010B		Analyst: SJK		
Arsenic	15	6.6		mg/Kg-dry	1	9/25/01 11:18:31 AM
Barium	ND	26		mg/Kg-dry	1	9/25/01 11:18:31 AM
Cadmium	ND	0.66		mg/Kg-dry	1	9/25/01 11:18:31 AM
Chromium	18	1.3		mg/Kg-dry	1	9/25/01 11:18:31 AM
Lead	47	3.3		mg/Kg-dry	1	9/25/01 11:18:31 AM
Selenium	ND	11		mg/Kg-dry	1	9/25/01 11:18:31 AM
Silver	ND	1.8		mg/Kg-dry	1	9/25/01 11:18:31 AM
MERCURY, 7471A		SW7471A		Analyst: GM		
Mercury	0.041	0.028		mg/Kg-dry	1	9/25/01
PERCENT MOISTURE		D2216		Analyst: JC		
Percent Moisture	6.3	0		wt%	1	9/24/01

Qualifiers: ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-201

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-01A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVE SW8260B

Analyst: SK

Dichlorodifluoromethane	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
Chloromethane	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
Vinyl chloride	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Chloroethane	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
Bromomethane	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
Trichlorofluoromethane	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
Diethyl ether	ND	300		µg/Kg-dry	1	9/25/01 3:31:00 PM
Acetone	ND	300		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,1-Dichloroethene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Carbon disulfide	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
Methylene chloride	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
Methyl tert-butyl ether	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
trans-1,2-Dichloroethene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,1-Dichloroethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Tertiary Butanol	ND	3,000		µg/Kg-dry	1	9/25/01 3:31:00 PM
2-Butanone	ND	300		µg/Kg-dry	1	9/25/01 3:31:00 PM
Diisopropyl ether	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
2,2-Dichloropropane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
cis-1,2-Dichloroethene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Ethyl Tertiary Butyl Ether	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
Chloroform	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Tetrahydrofuran	ND	300		µg/Kg-dry	1	9/25/01 3:31:00 PM
Bromochloromethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,1,1-Trichloroethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,1-Dichloropropene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Carbon tetrachloride	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,2-Dichloroethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Benzene	99	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Trichloroethene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,2-Dichloropropane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Bromodichloromethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Dibromomethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Tertiary Amyl Methyl Ether	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
4-Methyl-2-pentanone	ND	300		µg/Kg-dry	1	9/25/01 3:31:00 PM
cis-1,3-Dichloropropene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Toluene	450	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
trans-1,3-Dichloropropene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,1,2-Trichloroethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109150  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109150-01A

Client Sample ID: DLRP-SP-201

Collection Date: 9/20/01

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
2-Hexanone	ND	300		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,3-Dichloropropane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Tetrachloroethene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Dibromochloromethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Chlorobenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,1,1,2-Tetrachloroethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Ethylbenzene	55	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
m,p-Xylene	420	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
o-Xylene	220	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Styrene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Bromoform	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Isopropylbenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,1,2,2-Tetrachloroethane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,2,3-Trichloropropane	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Bromobenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
n-Propylbenzene	34	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
2-Chlorotoluene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
4-Chlorotoluene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,3,5-Trimethylbenzene	43	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
tert-Butylbenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,2,4-Trimethylbenzene	150	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
sec-Butylbenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
4-Isopropyltoluene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,3-Dichlorobenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,4-Dichlorobenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
n-Butylbenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,2-Dichlorobenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,2-Dibromo-3-chloropropane	ND	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,2,4-Trichlorobenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Hexachlorobutadiene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM
Naphthalene	340	59		µg/Kg-dry	1	9/25/01 3:31:00 PM
1,2,3-Trichlorobenzene	ND	30		µg/Kg-dry	1	9/25/01 3:31:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109150  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109150-02A

**Client Sample ID:** DLRP-SP-202  
**Collection Date:** 9/20/01  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVE SW8260B						Analyst: SK
Dichlorodifluoromethane	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
Chloromethane	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
Vinyl chloride	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Chloroethane	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
Bromomethane	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
Trichlorofluoromethane	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
Diethyl ether	ND	210		µg/Kg-dry	1	9/25/01 4:07:00 PM
Acetone	ND	210		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,1-Dichloroethene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Carbon disulfide	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
Methylene chloride	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
Methyl tert-butyl ether	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
trans-1,2-Dichloroethene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,1-Dichloroethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Tertiary Butanol	ND	2100		µg/Kg-dry	1	9/25/01 4:07:00 PM
2-Butanone	ND	210		µg/Kg-dry	1	9/25/01 4:07:00 PM
Diisopropyl ether	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
2,2-Dichloropropane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
cis-1,2-Dichloroethene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Ethyl Tertiary Butyl Ether	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
Chloroform	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Tetrahydrofuran	ND	210		µg/Kg-dry	1	9/25/01 4:07:00 PM
Bromochloromethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,1,1-Trichloroethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,1-Dichloropropene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Carbon tetrachloride	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,2-Dichloroethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Benzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Trichloroethene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,2-Dichloropropane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Bromodichloromethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Dibromomethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Tertiary Amyl Methyl Ether	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
4-Methyl-2-pentanone	ND	210		µg/Kg-dry	1	9/25/01 4:07:00 PM
cis-1,3-Dichloropropene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Toluene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
trans-1,3-Dichloropropene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,1,2-Trichloroethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 H - Method prescribed holding time exceeded  
 RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 = - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-202

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-02A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
2-Hexanone	ND	210		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,3-Dichloropropane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Tetrachloroethene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Dibromochloromethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Chlorobenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,1,1,2-Tetrachloroethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Ethylbenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
m,p-Xylene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
o-Xylene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Styrene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Bromoform	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Isopropylbenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,1,2,2-Tetrachloroethane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,2,3-Trichloropropane	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Bromobenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
n-Propylbenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
2-Chlorotoluene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
4-Chlorotoluene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,3,5-Trimethylbenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
tert-Butylbenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,2,4-Trimethylbenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
sec-Butylbenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
4-Isopropyltoluene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,3-Dichlorobenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,4-Dichlorobenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
n-Butylbenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,2-Dichlorobenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,2-Dibromo-3-chloropropane	ND	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,2,4-Trichlorobenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Hexachlorobutadiene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM
Naphthalene	62	43		µg/Kg-dry	1	9/25/01 4:07:00 PM
1,2,3-Trichlorobenzene	ND	21		µg/Kg-dry	1	9/25/01 4:07:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-203

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-03A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVEL SW8260B						Analyst: SK
Dichlorodifluoromethane	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
Chloromethane	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
Vinyl chloride	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Chloroethane	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
Bromomethane	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
Trichlorofluoromethane	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
Diethyl ether	ND	290		µg/Kg-dry	1	9/25/01 4:43:00 PM
Acetone	ND	290		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,1-Dichloroethene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Carbon disulfide	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
Methylene chloride	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
Methyl tert-butyl ether	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
trans-1,2-Dichloroethene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,1-Dichloroethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Tertiary Butanol	ND	2,900		µg/Kg-dry	1	9/25/01 4:43:00 PM
2-Butanone	ND	290		µg/Kg-dry	1	9/25/01 4:43:00 PM
Diisopropyl ether	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
2,2-Dichloropropane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
cis-1,2-Dichloroethene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Ethyl Tertiary Butyl Ether	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
Chloroform	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Tetrahydrofuran	ND	290		µg/Kg-dry	1	9/25/01 4:43:00 PM
Bromochloromethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,1,1-Trichloroethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,1-Dichloropropene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Carbon tetrachloride	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,2-Dichloroethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Benzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Trichloroethene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,2-Dichloropropane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Bromodichloromethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Dibromomethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Tertiary Amyl Methyl Ether	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
4-Methyl-2-pentanone	ND	290		µg/Kg-dry	1	9/25/01 4:43:00 PM
cis-1,3-Dichloropropene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Toluene	36	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
trans-1,3-Dichloropropene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,1,2-Trichloroethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the presence of Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

= - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-203

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-03A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
2-Hexanone	ND	290		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,3-Dichloropropane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Tetrachloroethene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Dibromochloromethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Chlorobenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,1,1,2-Tetrachloroethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Ethylbenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
m,p-Xylene	40	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
o-Xylene	33	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Styrene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Bromoform	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Isopropylbenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,1,2,2-Tetrachloroethane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,2,3-Trichloropropane	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Bromobenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
n-Propylbenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
2-Chlorotoluene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
4-Chlorotoluene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,3,5-Trimethylbenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
tert-Butylbenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,2,4-Trimethylbenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
sec-Butylbenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
4-Isopropyltoluene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,3-Dichlorobenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,4-Dichlorobenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
n-Butylbenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,2-Dichlorobenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,2-Dibromo-3-chloropropane	ND	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,2,4-Trichlorobenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Hexachlorobutadiene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM
Naphthalene	87	58		µg/Kg-dry	1	9/25/01 4:43:00 PM
1,2,3-Trichlorobenzene	ND	29		µg/Kg-dry	1	9/25/01 4:43:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109150  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109150-04A

**Client Sample ID:** TRIP BLANK  
**Collection Date:** 9/20/01  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVE SW8260B						Analyst: SK
Dichlorodifluoromethane	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
Chloromethane	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
Vinyl chloride	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Chloroethane	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
Bromomethane	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
Trichlorofluoromethane	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
Diethyl ether	ND	250		µg/Kg	1	9/25/01 2:54:00 PM
Acetone	ND	250		µg/Kg	1	9/25/01 2:54:00 PM
1,1-Dichloroethene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Carbon disulfide	53	50		µg/Kg	1	9/25/01 2:54:00 PM
Methylene chloride	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
Methyl tert-butyl ether	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
trans-1,2-Dichloroethene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,1-Dichloroethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Tertiary Butanol	ND	2,500		µg/Kg	1	9/25/01 2:54:00 PM
2-Butanone	ND	250		µg/Kg	1	9/25/01 2:54:00 PM
Diisopropyl ether	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
2,2-Dichloropropane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
cis-1,2-Dichloroethene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Ethyl Tertiary Butyl Ether	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
Chloroform	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Tetrahydrofuran	ND	250		µg/Kg	1	9/25/01 2:54:00 PM
Bromochloromethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,1,1-Trichloroethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,1-Dichloropropene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Carbon tetrachloride	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,2-Dichloroethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Benzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Trichloroethene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,2-Dichloropropane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Bromodichloromethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Dibromomethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Tertiary Amyl Methyl Ether	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
4-Methyl-2-pentanone	ND	250		µg/Kg	1	9/25/01 2:54:00 PM
cis-1,3-Dichloropropene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Toluene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
trans-1,3-Dichloropropene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,1,2-Trichloroethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded  
RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: TRIP BLANK

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-04A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
2-Hexanone	ND	250		µg/Kg	1	9/25/01 2:54:00 PM
1,3-Dichloropropane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Tetrachloroethene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Dibromochloromethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Chlorobenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,1,1,2-Tetrachloroethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Ethylbenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
m,p-Xylene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
o-Xylene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Styrene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Bromoform	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Isopropylbenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,1,2,2-Tetrachloroethane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,2,3-Trichloropropane	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Bromobenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
n-Propylbenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
2-Chlorotoluene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
4-Chlorotoluene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,3,5-Trimethylbenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
tert-Butylbenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,2,4-Trimethylbenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
sec-Butylbenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
4-Isopropyltoluene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,3-Dichlorobenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,4-Dichlorobenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
n-Butylbenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,2-Dichlorobenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
1,2-Dibromo-3-chloropropane	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
1,2,4-Trichlorobenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Hexachlorobutadiene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM
Naphthalene	ND	50		µg/Kg	1	9/25/01 2:54:00 PM
1,2,3-Trichlorobenzene	ND	25		µg/Kg	1	9/25/01 2:54:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-201

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-01A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS (MODIFIED 8260B SW8260B)						Analyst: SK
Gasoline Range Organics	12	3.0		mg/Kg-dry	1	9/28/01 12:11:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.****Date:** 28-Sep-01**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-202**Lab Order:** 0109150**Project:** 068511000 Devens Landfill**Collection Date:** 9/20/01**Lab ID:** 0109150-02A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS (MODIFIED 8260B SW8260B)						Analyst: SK
Gasoline Range Organics	ND	2.1		mg/Kg-dry	1	9/26/01 6:05:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.****Date:** 28-Sep-01**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-203**Lab Order:** 0109150**Project:** 068511000 Devens Landfill**Collection Date:** 9/20/01**Lab ID:** 0109150-03A**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS (MODIFIED 8260B SW8260B						Analyst: SK
Gasoline Range Organics	ND	2.9		mg/Kg-dry	1	9/26/01 6:44:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-201

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-01C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C				Analyst: KD
Pyridine	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
N-Nitrosodimethylamine	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
Phenol	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Bis(2-chloroethyl)ether	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
2-Chlorophenol	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
1,3-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
1,4-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Benzyl alcohol	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
2-Methylphenol	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
1,2-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Bis(2-chloroisopropyl)ether	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
4-Methylphenol	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
N-Nitrosodi-n-propylamine	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Hexachloroethane	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Nitrobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Isophorone	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
2,4-Dimethylphenol	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Benzoic acid	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
2-Nitrophenol	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Bis(2-chloroethoxy)methane	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
2,4-Dichlorophenol	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
1,2,4-Trichlorobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Naphthalene	360	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
4-Chloroaniline	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Hexachlorobutadiene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
4-Chloro-3-methylphenol	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
2-Methylnaphthalene	340	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Hexachlorocyclopentadiene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
2,4,6-Trichlorophenol	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
2,4,5-Trichlorophenol	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
2-Chloronaphthalene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
2-Nitroaniline	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
Dimethyl phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
2,6-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Acenaphthylene	630	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
3-Nitroaniline	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
4-Nitrophenol	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
2,4-Dinitrophenol	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-201**Lab Order:** 0109150**Project:** 068511000 Devens Landfill**Collection Date:** 9/20/01**Lab ID:** 0109150-01C**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
2,4-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Dibenzofuran	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Diethyl phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
4-Chlorophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Fluorene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
4-Nitroaniline	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
4,6-Dinitro-2-methylphenol	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
N-Nitrosodiphenylamine	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
4-Bromophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Hexachlorobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Pentachlorophenol	ND	520		µg/Kg-dry	1	9/26/01 5:12:00 PM
Phenanthrene	1,200	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Anthracene	620	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Carbazole	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Di-n-butyl phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Fluoranthene	4,400	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Benzidine	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Pyrene	3,700	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Butyl benzyl phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Bis(2-ethylhexyl)phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
3,3'-Dichlorobenzidine	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Benz(a)anthracene	2,300	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Chrysene	2,400	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Di-n-octyl phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Benzo(b)fluoranthene	3,200	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Benzo(k)fluoranthene	1,200	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Benzo(a)pyrene	1,900	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Dibenz(a,h)anthracene	430	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Indeno(1,2,3-cd)pyrene	1,500	260		µg/Kg-dry	1	9/26/01 5:12:00 PM
Benzo(g,h,i)perylene	1,200	260		µg/Kg-dry	1	9/26/01 5:12:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109150  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109150-02C

**Client Sample ID:** DLRP-SP-202  
**Collection Date:** 9/20/01  
**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C				Analyst: KD
Pyridine	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
N-Nitrosodimethylamine	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
Phenol	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Bis(2-chloroethyl)ether	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
2-Chlorophenol	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
1,3-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
1,4-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Benzyl alcohol	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
2-Methylphenol	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
1,2-Dichlorobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Bis(2-chloroisopropyl)ether	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
4-Methylphenol	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
N-Nitrosodi-n-propylamine	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Hexachloroethane	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Nitrobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Isophorone	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
2,4-Dimethylphenol	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Benzoic acid	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
2-Nitrophenol	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Bis(2-chloroethoxy)methane	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
2,4-Dichlorophenol	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
1,2,4-Trichlorobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Naphthalene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
4-Chloroaniline	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Hexachlorobutadiene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
4-Chloro-3-methylphenol	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
2-Methylnaphthalene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Hexachlorocyclopentadiene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
2,4,6-Trichlorophenol	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
2,4,5-Trichlorophenol	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
2-Chloronaphthalene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
2-Nitroaniline	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
Dimethyl phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
2,6-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Acenaphthylene	370	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
3-Nitroaniline	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
4-Nitrophenol	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
2,4-Dinitrophenol	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded  
RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-202**Lab Order:** 0109150**Project:** 068511000 Devens Landfill**Collection Date:** 9/20/01**Lab ID:** 0109150-02C**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
2,4-Dinitrotoluene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Dibenzofuran	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Diethyl phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
4-Chlorophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Fluorene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
4-Nitroaniline	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
4,6-Dinitro-2-methylphenol	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
N-Nitrosodiphenylamine	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
4-Bromophenyl phenyl ether	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Hexachlorobenzene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Pentachlorophenol	ND	510		µg/Kg-dry	1	9/26/01 5:44:00 PM
Phenanthrene	380	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Anthracene	320	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Carbazole	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Di-n-butyl phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Fluoranthene	1,700	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Benzidine	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Pyrene	1,600	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Butyl benzyl phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Bis(2-ethylhexyl)phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
3,3'-Dichlorobenzidine	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Benz(a)anthracene	800	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Chrysene	1,200	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Di-n-octyl phthalate	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Benzo(b)fluoranthene	1,800	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Benzo(k)fluoranthene	530	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Benzo(a)pyrene	890	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Dibenz(a,h)anthracene	ND	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Indeno(1,2,3-cd)pyrene	810	260		µg/Kg-dry	1	9/26/01 5:44:00 PM
Benzo(g,h,i)perylene	700	260		µg/Kg-dry	1	9/26/01 5:44:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-203

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-03C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C				Analyst: KD
Pyridine	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
N-Nitrosodimethylamine	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
Phenol	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Bis(2-chloroethyl)ether	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
2-Chlorophenol	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
1,3-Dichlorobenzene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
1,4-Dichlorobenzene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Benzyl alcohol	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
2-Methylphenol	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
1,2-Dichlorobenzene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Bis(2-chloroisopropyl)ether	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
4-Methylphenol	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
N-Nitrosodi-n-propylamine	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Hexachloroethane	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Nitrobenzene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Isophorone	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
2,4-Dimethylphenol	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Benzoic acid	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
2-Nitrophenol	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Bis(2-chloroethoxy)methane	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
2,4-Dichlorophenol	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
1,2,4-Trichlorobenzene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Naphthalene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
4-Chloroaniline	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Hexachlorobutadiene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
4-Chloro-3-methylphenol	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
2-Methylnaphthalene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Hexachlorocyclopentadiene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
2,4,6-Trichlorophenol	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
2,4,5-Trichlorophenol	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
2-Chloronaphthalene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
2-Nitroaniline	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
Dimethyl phthalate	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
2,6-Dinitrotoluene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Acenaphthylene	440	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
3-Nitroaniline	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
4-Nitrophenol	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
2,4-Dinitrophenol	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-203

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-03C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
2,4-Dinitrotoluene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Dibenzofuran	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Diethyl phthalate	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
4-Chlorophenyl phenyl ether	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Fluorene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
4-Nitroaniline	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
4,6-Dinitro-2-methylphenol	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
N-Nitrosodiphenylamine	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
4-Bromophenyl phenyl ether	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Hexachlorobenzene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Pentachlorophenol	ND	530		µg/Kg-dry	1	9/26/01 6:15:00 PM
Phenanthrene	340	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Anthracene	400	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Carbazole	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Di-n-butyl phthalate	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Fluoranthene	1,800	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Benzidine	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Pyrene	1,800	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Butyl benzyl phthalate	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Bis(2-ethylhexyl)phthalate	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
3,3'-Dichlorobenzidine	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Benz(a)anthracene	1,000	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Chrysene	1,400	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Di-n-octyl phthalate	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Benzo(b)fluoranthene	2,000	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Benzo(k)fluoranthene	660	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Benzo(a)pyrene	1,100	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Dibenz(a,h)anthracene	ND	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Indeno(1,2,3-cd)pyrene	1,000	270		µg/Kg-dry	1	9/26/01 6:15:00 PM
Benzo(g,h,i)perylene	880	270		µg/Kg-dry	1	9/26/01 6:15:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-201

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-01C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A				Analyst: RAP
alpha-BHC	ND	8.2		µg/Kg-dry	10	9/26/01 5:45:00 PM
beta-BHC	ND	8.2		µg/Kg-dry	10	9/26/01 5:45:00 PM
delta-BHC	ND	8.2		µg/Kg-dry	10	9/26/01 5:45:00 PM
gamma-BHC	ND	8.2		µg/Kg-dry	10	9/26/01 5:45:00 PM
Heptachlor	ND	8.2		µg/Kg-dry	10	9/26/01 5:45:00 PM
Aldrin	ND	8.2		µg/Kg-dry	10	9/26/01 5:45:00 PM
Heptachlor epoxide	ND	8.2		µg/Kg-dry	10	9/26/01 5:45:00 PM
Endosulfan I	ND	8.2		µg/Kg-dry	10	9/26/01 5:45:00 PM
alpha-Chlordane	ND	8.2		µg/Kg-dry	10	9/26/01 5:45:00 PM
gamma-Chlordane	ND	8.2		µg/Kg-dry	10	9/26/01 5:45:00 PM
Dieldrin	ND	16		µg/Kg-dry	10	9/26/01 5:45:00 PM
4,4'-DDE	130	16		µg/Kg-dry	10	9/26/01 5:45:00 PM
Endrin	ND	16		µg/Kg-dry	10	9/26/01 5:45:00 PM
Endosulfan II	ND	16		µg/Kg-dry	10	9/26/01 5:45:00 PM
4,4'-DDD	ND	16		µg/Kg-dry	10	9/26/01 5:45:00 PM
Endrin aldehyde	ND	16		µg/Kg-dry	10	9/26/01 5:45:00 PM
Endrin ketone	ND	16		µg/Kg-dry	10	9/26/01 5:45:00 PM
Endosulfan sulfate	ND	16		µg/Kg-dry	10	9/26/01 5:45:00 PM
4,4'-DDT	490	82		µg/Kg-dry	50	9/27/01 5:12:00 PM
Methoxychlor	ND	82		µg/Kg-dry	10	9/26/01 5:45:00 PM
Toxaphene	ND	260		µg/Kg-dry	10	9/26/01 5:45:00 PM
Technical Chlordane	ND	260		µg/Kg-dry	10	9/26/01 5:45:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-202

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-02C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A				Analyst: RAP
alpha-BHC	ND	8.4		µg/Kg-dry	10	9/26/01 6:13:00 PM
beta-BHC	ND	8.4		µg/Kg-dry	10	9/26/01 6:13:00 PM
delta-BHC	ND	8.4		µg/Kg-dry	10	9/26/01 6:13:00 PM
gamma-BHC	ND	8.4		µg/Kg-dry	10	9/26/01 6:13:00 PM
Heptachlor	ND	8.4		µg/Kg-dry	10	9/26/01 6:13:00 PM
Aldrin	ND	8.4		µg/Kg-dry	10	9/26/01 6:13:00 PM
Heptachlor epoxide	ND	8.4		µg/Kg-dry	10	9/26/01 6:13:00 PM
Endosulfan I	ND	8.4		µg/Kg-dry	10	9/26/01 6:13:00 PM
alpha-Chlordane	ND	8.4		µg/Kg-dry	10	9/26/01 6:13:00 PM
gamma-Chlordane	ND	8.4		µg/Kg-dry	10	9/26/01 6:13:00 PM
Dieldrin	ND	17		µg/Kg-dry	10	9/26/01 6:13:00 PM
4,4'-DDE	170	17		µg/Kg-dry	10	9/26/01 6:13:00 PM
Endrin	ND	17		µg/Kg-dry	10	9/26/01 6:13:00 PM
Endosulfan II	ND	17		µg/Kg-dry	10	9/26/01 6:13:00 PM
4,4'-DDD	50	17		µg/Kg-dry	10	9/26/01 6:13:00 PM
Endrin aldehyde	ND	17		µg/Kg-dry	10	9/26/01 6:13:00 PM
Endrin ketone	ND	17		µg/Kg-dry	10	9/26/01 6:13:00 PM
Endosulfan sulfate	ND	17		µg/Kg-dry	10	9/26/01 6:13:00 PM
4,4'-DDT	760	170		µg/Kg-dry	100	9/27/01 5:39:00 PM
Methoxychlor	ND	84		µg/Kg-dry	10	9/26/01 6:13:00 PM
Toxaphene	ND	260		µg/Kg-dry	10	9/26/01 6:13:00 PM
Technical Chlordane	ND	260		µg/Kg-dry	10	9/26/01 6:13:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109150  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109150-03C

Client Sample ID: DLRP-SP-203

Collection Date: 9/20/01

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A				Analyst: RAP
alpha-BHC	ND	8.3		µg/Kg-dry	10	9/26/01 6:41:00 PM
beta-BHC	ND	8.3		µg/Kg-dry	10	9/26/01 6:41:00 PM
delta-BHC	ND	8.3		µg/Kg-dry	10	9/26/01 6:41:00 PM
gamma-BHC	ND	8.3		µg/Kg-dry	10	9/26/01 6:41:00 PM
Heptachlor	ND	8.3		µg/Kg-dry	10	9/26/01 6:41:00 PM
Aldrin	ND	8.3		µg/Kg-dry	10	9/26/01 6:41:00 PM
Heptachlor epoxide	ND	8.3		µg/Kg-dry	10	9/26/01 6:41:00 PM
Endosulfan I	ND	8.3		µg/Kg-dry	10	9/26/01 6:41:00 PM
alpha-Chlordane	ND	8.3		µg/Kg-dry	10	9/26/01 6:41:00 PM
gamma-Chlordane	ND	8.3		µg/Kg-dry	10	9/26/01 6:41:00 PM
Dieldrin	ND	17		µg/Kg-dry	10	9/26/01 6:41:00 PM
4,4'-DDE	ND	17		µg/Kg-dry	10	9/26/01 6:41:00 PM
Endrin	ND	17		µg/Kg-dry	10	9/26/01 6:41:00 PM
Endosulfan II	ND	17		µg/Kg-dry	10	9/26/01 6:41:00 PM
4,4'-DDD	ND	17		µg/Kg-dry	10	9/26/01 6:41:00 PM
Endrin aldehyde	ND	7		µg/Kg-dry	10	9/26/01 6:41:00 PM
Endrin ketone	ND	17		µg/Kg-dry	10	9/26/01 6:41:00 PM
Endosulfan sulfate	ND	17		µg/Kg-dry	10	9/26/01 6:41:00 PM
4,4'-DDT	ND	170		µg/Kg-dry	100	9/27/01 6:07:00 PM
Methoxychlor	ND	83		µg/Kg-dry	10	9/26/01 6:41:00 PM
Toxaphene	ND	260		µg/Kg-dry	10	9/26/01 6:41:00 PM
Technical Chlordane	ND	260		µg/Kg-dry	10	9/26/01 6:41:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded  
RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative

# CONTINUING CALIBRATION SUMMARY

Analysis Date: 26 Sep 2001

Analyst: RAP

Instrument ID: TRENT

COLUMN ID: FRONT  
CLP Pesticide 1: 0.32mm

BACK  
CLP Pesticide 2: 0.32mm

## BREAKDOWN (1):

Front		Back	
DDT	2.3	DDT	3.0
ENDRIN	5.5	ENDRIN	0.7

Initial CCV: G8

Term. CCV: G9

## INDA

Front		Back		Front		Back	
TCX	0.3	1.8		TCX	1.6	-1.7	
ALPHA-BHC	8.4	-5.1		ALPHA-BHC	11.4	-4.1	
GAMMA-BHC	37.5 *	-9.8		GAMMA-BHC	11.5	-1.1	
HEPTACHLOR	2.5	12.6		HEPTACHLOR	0.9	2.6	
ENDOSULFAN I	-14.0	-1.8		ENDOSULFAN I	-9.5	1.3	
DIELDRIN	2.4	-4.6		DIELDRIN	-4.5	4.8	
ENDRIN	2.8	-32.4		ENDRIN	-1.0	1.7	
DDD	-3.6	-9.9		DDD	-7.8	-12.4	
DDT	-8.9	-13.5		DDT	3.3	-13.0	
METHOXYCHLOR	14.2	-4.2		METHOXYCHLOR	6.9	1.4	
DCB	-2.1	-4.9		DCB	6.0	6.7	

## INDB

Front		Back		Front		Back	
TCX	-7.2	-4.1		TCX	-4.9	-4.3	
ALDRIN	1.2	1.7		ALDRIN	0.9	0.9	
BETA-BHC	6.1	2.9		BETA-BHC	5.8	-8.6	
DELTA-BHC	45.6 *	-13.5		DELTA-BHC	79.1 *	-4.0	
HEPTACHLOR EPOXIDE	0.7	1.1		HEPTACHLOR EPOXIDE	0.9	1.2	
GAMMA-CHLORDANE	-0.4	-1.3		GAMMA-CHLORDANE	1.9	4.5	
ALPHA-CHLORDANE	-1.7	0.2		ALPHA-CHLORDANE	0.5	4.2	
DDE	-7.6	-4.0		DDE	1.8	-10.9	
ENDOSULFAN II	-1.7	-4.5		ENDOSULFAN II	0.7	3.8	
ENDRIN ALDEHYDE	3.5	7.7		ENDRIN ALDEHYDE	7.4	-4.9	
ENDOSULFAN SULFATE	58.3 *	-5.7		ENDOSULFAN SULFATE	84.7 *	7.9	
ENDRIN KETONE	21.1 *	-3.0		ENDRIN KETONE	43.1 *	9.0	
DCB	2.4	3.1		DCB	5.5	11.8	

Ave. %Drift for all analytes (2):

10.6

Ave. %Drift for all analytes (2):

12.6

5.3

Data Files		PEM:	C:\HPCHEM\1\DATA\01JUL20\T20JUL03.D
1st INDA:	C:\HPCHEM\1\DATA\01JUL20\T20JUL01.D	2nd INDA:	C:\HPCHEM\1\DATA\01SEP26\T26SEP03.D
1st INDB:	C:\HPCHEM\1\DATA\01SEP26\T26SEP01.D	2nd INDB:	C:\HPCHEM\1\DATA\01SEP26\T26SEP19.D
	C:\HPCHEM\1\DATA\01SEP26\T26SEP02.D		C:\HPCHEM\1\DATA\01SEP26\T26SEP20.D

Notes:

1. 4,4' DDT and Endrin maximum degradation = 15%

2. Ave %Drift maximum = 15%



# CONTINUING CALIBRATION SUMMARY

Analysis Date: 27 Sep 2001 Analyst: RAP

Instrument ID: TRENT

COLUMN ID: **FRONT**  
CLP Pesticide 1: 0.32mm

**BACK**  
CLP Pesticide 2: 0.32mm

## BREAKDOWN (1):

Front		Back	
DDT	2.5	DDT	2.6
ENDRIN	5.2	ENDRIN	1.3

Initial CCV: G10

Term. CCV: G11

## INDA

Front		Back		Front		Back	
TCN	-6.8	TCN	-4.3	TCN	-4.1	TCN	-4.5
ALPHA-BHC	-1.4	ALPHA-BHC	-5.3	ALPHA-BHC	6.2	ALPHA-BHC	-5.6
GAMMA-BHC	-1.7	GAMMA-BHC	-4.4	GAMMA-BHC	5.8	GAMMA-BHC	-5.1
HEPTACHLOR	1.2	HEPTACHLOR	10.1	HEPTACHLOR	0.9	HEPTACHLOR	2.5
ENDOSULFAN II	-10.4	ENDOSULFAN II	1.1	ENDOSULFAN II	-11.3	ENDOSULFAN II	0.6
DIELDRIN	-8.8	DIELDRIN	-2.3	DIELDRIN	-4.5	DIELDRIN	-1.4
ENDRIN	-2.7	ENDRIN	1.1	ENDRIN	-2.9	ENDRIN	-1.1
DDD	-7.6	DDD	-10.3	DDD	-2.4	DDD	-12.1
DDT	-6.7	DDT	-9.5	DDT	3.9	DDT	-5.1
METHOXYCHLOR	3.2	METHOXYCHLOR	2.7	METHOXYCHLOR	10.3	METHOXYCHLOR	-0.1
DCB	1.2	DCB	2.6	DCB	2.8	DCB	8.9

## INDB

Front		Back		Front		Back	
TCN	-6.8	TCN	-4.3	TCN	-8.4	TCN	-7.8
ALDRIN	-4.1	ALDRIN	-4.3	ALDRIN	0.3	ALDRIN	4.6
BETA-BHC	-1.7	BETA-BHC	-4.3	BETA-BHC	-0.9	BETA-BHC	-2.0
DELTA-BHC	-1.7	DELTA-BHC	-21.5	DELTA-BHC	43.6 *	DELTA-BHC	-9.6
HEPTACHLOR EPOXIDE	1.6	HEPTACHLOR EPOXIDE	1.6	HEPTACHLOR EPOXIDE	1.6	HEPTACHLOR EPOXIDE	8.3
GAMMA-CHLORDANE	3.9	GAMMA-CHLORDANE	5.8	GAMMA-CHLORDANE	3.9	GAMMA-CHLORDANE	6.9
ALPHA-CHLORDANE	0.6	ALPHA-CHLORDANE	0.6	ALPHA-CHLORDANE	0.6	ALPHA-CHLORDANE	7.8
DDE	-5.5	DDE	-5.5	DDE	-5.5	DDE	-12.5
ENDOSULFAN II	1.1	ENDOSULFAN II	1.1	ENDOSULFAN II	1.1	ENDOSULFAN II	2.5
ENDRIN ALDEHYDE	13.1	ENDRIN ALDEHYDE	13.1	ENDRIN ALDEHYDE	13.1	ENDRIN ALDEHYDE	5.3
ENDOSULFAN SULFATE	66.9 *	ENDOSULFAN SULFATE	66.9 *	ENDOSULFAN SULFATE	66.9 *	ENDOSULFAN SULFATE	1.5
ENDRIN KETONE	51.4 *	ENDRIN KETONE	51.4 *	ENDRIN KETONE	51.4 *	ENDRIN KETONE	-1.4
DCB	4.5	DCB	4.5	DCB	4.5	DCB	10.5
Ave. %Drift for all analytes (2):		Ave. %Drift for all analytes (2):		Ave. %Drift for all analytes (2):		Ave. %Drift for all analytes (2):	
9.0		4.9		10.7		5.3	

Data Files		PEM:	C:\HPCHEM\1\DATA\01JUL20\T20JUL03.D
1st INDA:	C:\HPCHEM\1\DATA\01JUL20\T20JUL01.D	2nd INDA:	C:\HPCHEM\1\DATA\01SEP27\T27SEP03.D
1st INDB:	C:\HPCHEM\1\DATA\01SEP27\T27SEP01.D	2nd INDB:	C:\HPCHEM\1\DATA\01SEP27\T27SEP12.D
C:\HPCHEM\1\DATA\01SEP27\T27SEP02.D		C:\HPCHEM\1\DATA\01SEP27\T27SEP13.D	

## Notes:

1. 4,4' DDT and Endrin maximum degradation = 15%

2. Ave. %Drift maximum = 15%

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-201

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-01C

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	26		µg/Kg-dry	1	9/26/01 4:03:00 PM
Aroclor 1221	ND	26		µg/Kg-dry	1	9/26/01 4:03:00 PM
Aroclor 1232	ND	26		µg/Kg-dry	1	9/26/01 4:03:00 PM
Aroclor 1242	ND	26		µg/Kg-dry	1	9/26/01 4:03:00 PM
Aroclor 1248	ND	26		µg/Kg-dry	1	9/26/01 4:03:00 PM
Aroclor 1254	ND	26		µg/Kg-dry	1	9/26/01 4:03:00 PM
Aroclor 1260	ND	26		µg/Kg-dry	1	9/26/01 4:03:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-202**Lab Order:** 0109150**Project:** 068511000 Devens Landfill**Collection Date:** 9/20/01**Lab ID:** 0109150-02C**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	26		µg/Kg-dry	1	9/26/01 4:30:00 PM
Aroclor 1221	ND	26		µg/Kg-dry	1	9/26/01 4:30:00 PM
Aroclor 1232	ND	26		µg/Kg-dry	1	9/26/01 4:30:00 PM
Aroclor 1242	ND	26		µg/Kg-dry	1	9/26/01 4:30:00 PM
Aroclor 1248	ND	26		µg/Kg-dry	1	9/26/01 4:30:00 PM
Aroclor 1254	ND	26		µg/Kg-dry	1	9/26/01 4:30:00 PM
Aroclor 1260	ND	26		µg/Kg-dry	1	9/26/01 4:30:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-203**Lab Order:** 0109150**Project:** 068511000 Devens Landfill**Collection Date:** 9/20/01**Lab ID:** 0109150-03C**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082			SW8082			Analyst: RAP
Aroclor 1016	ND	26		µg/Kg-dry	1	9/26/01 5:50:00 PM
Aroclor 1221	ND	26		µg/Kg-dry	1	9/26/01 5:50:00 PM
Aroclor 1232	ND	26		µg/Kg-dry	1	9/26/01 5:50:00 PM
Aroclor 1242	ND	26		µg/Kg-dry	1	9/26/01 5:50:00 PM
Aroclor 1248	ND	26		µg/Kg-dry	1	9/26/01 5:50:00 PM
Aroclor 1254	ND	26		µg/Kg-dry	1	9/26/01 5:50:00 PM
Aroclor 1260	ND	26		µg/Kg-dry	1	9/26/01 5:50:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109150  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109150-01D

**Client Sample ID:** DLRP-SP-201**Collection Date:** 9/20/01**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: KD
Diesel Range Organics	76	53		mg/Kg-dry	1	9/26/01 2:12:00 PM

**Qualifiers:** ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
H - Method prescribed holding time exceeded  
RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-202

Lab Order: 0109150

Project: 068511000 Devens Landfill

Collection Date: 9/20/01

Lab ID: 0109150-02D

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: KD
Diesel Range Organics	96	51		mg/Kg-dry	1	9/26/01 2:48:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

**AMRO Environmental Laboratories Corp.**

Date: 28-Sep-01

**CLIENT:** Stone & Webster Construction Co.  
**Lab Order:** 0109150  
**Project:** 068511000 Devens Landfill  
**Lab ID:** 0109150-03D

Client Sample ID: DLRP-SP-203

Collection Date: 9/20/01

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		SW8015B				Analyst: KD
Diesel Range Organics	110		49	mg/Kg-dry	1	9/26/01 3:24:00 PM

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

= - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109150  
Project: 068511000 Devens Landfill  
Lab ID: 0109150-01B

Client Sample ID: DLRP-SP-201  
Tag Number:  
Collection Date: 9/20/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		MAVPH		Analyst: SK		
C5-C8 Aliphatic Hydrocarbons	3.3	3.0		mg/Kg-dry	1	9/26/01 7:21:00 PM
C9-C12 Aliphatic Hydrocarbons	ND	0.74		mg/Kg-dry	1	9/26/01 7:21:00 PM
C9-C10 Aromatic Hydrocarbons	0.76	0.74		mg/Kg-dry	1	9/26/01 7:21:00 PM
Methyl tert-butyl ether	ND	0.059		mg/Kg-dry	1	9/26/01 7:21:00 PM
Benzene	0.097	0.059		mg/Kg-dry	1	9/26/01 7:21:00 PM
Toluene	0.45	0.059		mg/Kg-dry	1	9/26/01 7:21:00 PM
Ethylbenzene	ND	0.059		mg/Kg-dry	1	9/26/01 7:21:00 PM
m,p-Xylene	0.39	0.059		mg/Kg-dry	1	9/26/01 7:21:00 PM
o-Xylene	0.20	0.059		mg/Kg-dry	1	9/26/01 7:21:00 PM
Naphthalene	0.26	0.15		mg/Kg-dry	1	9/26/01 7:21:00 PM
Surr: Dibromofluoromethane	93.9	70-130		%REC	1	9/26/01 7:21:00 PM
Surr: 1,2-Dichloroethane-d4	79.7	70-130		%REC	1	9/26/01 7:21:00 PM
Surr: Toluene-d8	97.4	70-130		%REC	1	9/26/01 7:21:00 PM
Surr: 4-Bromofluorobenzene	91.8	70-130		%REC	1	9/26/01 7:21:00 PM
Surr: 2,5-Dibromotoluene	90.1	70-130		%REC	1	9/26/01 7:21:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

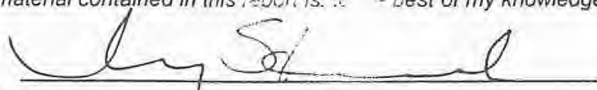
Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ☒ Yes ☐ No - If No, See Case Narrative

Were any significant modifications made to the methods specified in section 11.3: ☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

SIGNATURE:



DATE:

9-28-01

PRINTED NAME: Nancy Stewart

POSITION: Laboratory Director (or designee)

Qualifiers: RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

ND - Not Detected at the Reporting Limit S - Spike recovery outside accepted recovery limits E - Value above quantitation range

J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits # - See Case Narrative

B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded



# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109150  
Project: 068511000 Devens Landfill  
Lab ID: 0109150-02B

Client Sample ID: DLRP-SP-202  
Tag Number:  
Collection Date: 9/20/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		MAVPH				Analyst: SK
C5-C8 Aliphatic Hydrocarbons	ND	2.1		mg/Kg-dry	1	9/26/01 6:05:00 PM
C9-C12 Aliphatic Hydrocarbons	ND	0.53		mg/Kg-dry	1	9/26/01 6:05:00 PM
C9-C10 Aromatic Hydrocarbons	ND	0.53		mg/Kg-dry	1	9/26/01 6:05:00 PM
Methyl tert-butyl ether	ND	0.043		mg/Kg-dry	1	9/26/01 6:05:00 PM
Benzene	ND	0.043		mg/Kg-dry	1	9/26/01 6:05:00 PM
Toluene	ND	0.043		mg/Kg-dry	1	9/26/01 6:05:00 PM
Ethylbenzene	ND	0.043		mg/Kg-dry	1	9/26/01 6:05:00 PM
m,p-Xylene	ND	0.043		mg/Kg-dry	1	9/26/01 6:05:00 PM
o-Xylene	ND	0.043		mg/Kg-dry	1	9/26/01 6:05:00 PM
Naphthalene	ND	0.11		mg/Kg-dry	1	9/26/01 6:05:00 PM
Surr: Dibromofluoromethane	96.0	70-130		%REC	1	9/26/01 6:05:00 PM
Surr: 1,2-Dichloroethane-C4	81.4	70-130		%REC	1	9/26/01 6:05:00 PM
Surr: Toluene-d8	104	70-130		%REC	1	9/26/01 6:05:00 PM
Surr: 4-Bromofluorobenzene	102	70-130		%REC	1	9/26/01 6:05:00 PM
Surr: 2,5-Dibromotoluene	102	70-130		%REC	1	9/26/01 6:05:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved:

☒ Yes ☐ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3:

☐ No ☒ Yes - Details enclosed

I attest under the pains and penalties of perjury that, based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

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9-28-01

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ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

E - Value above quantitation range

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

# - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109150  
Project: 068511000 Devens Landfill  
Lab ID: 0109150-03B

Client Sample ID: DLRP-SP-203  
Tag Number:  
Collection Date: 9/20/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILE PETROLEUM HYDROCARBONS		MAVPH				Analyst: SK
C5-C8 Aliphatic Hydrocarbons	ND	2.9		mg/Kg-dry	1	9/26/01 6:44:00 PM
C9-C12 Aliphatic Hydrocarbons	ND	0.73		mg/Kg-dry	1	9/26/01 6:44:00 PM
C9-C10 Aromatic Hydrocarbons	ND	0.73		mg/Kg-dry	1	9/26/01 6:44:00 PM
Methyl tert-butyl ether	ND	0.058		mg/Kg-dry	1	9/26/01 6:44:00 PM
Benzene	ND	0.058		mg/Kg-dry	1	9/26/01 6:44:00 PM
Toluene	ND	0.058		mg/Kg-dry	1	9/26/01 6:44:00 PM
Ethylbenzene	ND	0.058		mg/Kg-dry	1	9/26/01 6:44:00 PM
m,p-Xylene	ND	0.058		mg/Kg-dry	1	9/26/01 6:44:00 PM
o-Xylene	ND	0.058		mg/Kg-dry	1	9/26/01 6:44:00 PM
Naphthalene	ND	0.15		mg/Kg-dry	1	9/26/01 6:44:00 PM
Surr: Dibromofluoromethane	97.1	70-130		%REC	1	9/26/01 6:44:00 PM
Surr: 1,2-Dichloroethane-d4	84.3	70-130		%REC	1	9/26/01 6:44:00 PM
Surr: Toluene-d8	102	70-130		%REC	1	9/26/01 6:44:00 PM
Surr: 4-Bromofluorobenzene	106	70-130		%REC	1	9/26/01 6:44:00 PM
Surr: 2,5-Dibromotoluene	110	70-130		%REC	1	9/26/01 6:44:00 PM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

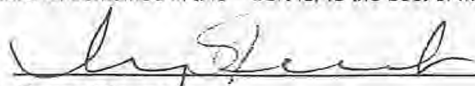
Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative

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B - Analyte detected in the associated Method Blank H - Method prescribed holding time exceeded

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109150  
Project: 068511000 Devens Landfill  
Lab ID: 0109150-01D

Client Sample ID: DLRP-SP-201  
Tag Number:  
Collection Date: 9/20/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH</b>						Analyst: RKK
*** Sample receipt problems were observed for this test method. See Case Narrative for details. ***						
C9-C18 Aliphatic Hydrocarbons	ND	53		mg/Kg-dry	1	9/28/01 6:36:00 AM
C19-C36 Aliphatic Hydrocarbons	ND	53		mg/Kg-dry	1	9/28/01 6:36:00 AM
C11-C22 Aromatic Hydrocarbons	53	53		mg/Kg-dry	1	9/28/01 6:36:00 AM
Naphthalene	0.36	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
2-Methylnaphthalene	0.32	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Acenaphthylene	0.36	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Acenaphthene	ND	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Fluorene	ND	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Phenanthrene	0.66	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Anthracene	0.36	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Fluoranthene	2.2	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Pyrene	2.1	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Benz(a)anthracene	1.2	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Chrysene	1.7	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Benzo(b)fluoranthene	2.3	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Benzo(k)fluoranthene	0.84	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Benzo(a)pyrene	1.2	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Dibenz(a,h)anthracene	ND	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Indeno(1,2,3-cd)pyrene	1.0	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Benzo(g,h,i)perylene	0.93	0.26		mg/Kg-dry	1	9/28/01 6:36:00 AM
Surr: 1-Chlorooctadecane	130	40-140		%REC	1	9/28/01 6:36:00 AM
Surr: 2-Bromonaphthalene	106	40-140		%REC	1	9/28/01 6:36:00 AM
Surr: 2-Fluorobiphenyl	109	40-140		%REC	1	9/28/01 6:36:00 AM
Surr: o-Terphenyl	89.2	40-140		%REC	1	9/28/01 6:36:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

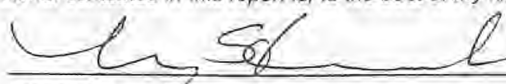
Were all QA/QC procedures required by the VPH or EPH method followed: ☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved: ☒ Yes ☐ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ☐ No ☒ Yes - Details enclosed

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E - Value above quantitation range

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

# - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109150  
Project: 068511000 Devens Landfill  
Lab ID: 0109150-02D

Client Sample ID: DLRP-SP-202  
Tag Number:  
Collection Date: 9/20/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
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## EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH

Analyst: RKK

\*\*\* Sample receipt problems were observed for this test method. See Case Narrative for details. \*\*\*

C9-C18 Aliphatic Hydrocarbons	ND	52		mg/Kg-dry	1	9/28/01 7:11:00 AM
C19-C36 Aliphatic Hydrocarbons	ND	52		mg/Kg-dry	1	9/28/01 7:11:00 AM
C11-C22 Aromatic Hydrocarbons	ND	52		mg/Kg-dry	1	9/28/01 7:11:00 AM
Naphthalene	ND	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
2-Methylnaphthalene	ND	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Acenaphthylene	0.31	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Acenaphthene	ND	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Fluorene	ND	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Phenanthrene	0.43	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Anthracene	0.33	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Fluoranthene	1.8	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Pyrene	1.6	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Benz(a)anthracene	0.84	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Chrysene	1.2	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Benzo(b)fluoranthene	1.8	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Benzo(k)fluoranthene	0.53	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Benzo(a)pyrene	0.96	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Dibenz(a,h)anthracene	ND	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Indeno(1,2,3-cd)pyrene	0.92	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Benzo(g,h,i)perylene	0.86	0.26		mg/Kg-dry	1	9/28/01 7:11:00 AM
Surr: 1-Chlorooctadecane	92.6	40-140		%REC	1	9/28/01 7:11:00 AM
Surr: 2-Bromonaphthalene	106	40-140		%REC	1	9/28/01 7:11:00 AM
Surr: 2-Fluorobiphenyl	106	40-140		%REC	1	9/28/01 7:11:00 AM
Surr: o-Terphenyl	79.6	40-140		%REC	1	9/28/01 7:11:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

### CERTIFICATION

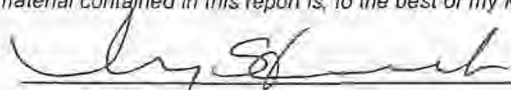
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Were all performance/acceptance standards for required QA/QC procedures achieved: ☒ Yes ☐ No - If No, See Case Narrative

Were any significant modifications made to the method as specified in section 11.3: ☐ No ☒ Yes - Details enclosed

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# - See Case Narrative

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded



# AMRO Environmental Laboratories Corp.

Date: 28-Sep-01

CLIENT: Stone & Webster Construction Co.  
Lab Order: 0109150  
Project: 068511000 Devens Landfill  
Lab ID: 0109150-03D

Client Sample ID: DLRP-SP-203  
Tag Number:  
Collection Date: 9/20/01  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EXTRACTABLE PETROLEUM HYDROCARBONS MAEPH</b>						Analyst: RKK
*** Sample receipt problems were observed for this test method. See Case Narrative for details. ***						
C9-C18 Aliphatic Hydrocarbons	ND	53		mg/Kg-dry	1	9/28/01 7:47:00 AM
C19-C36 Aliphatic Hydrocarbons	ND	53		mg/Kg-dry	1	9/28/01 7:47:00 AM
C11-C22 Aromatic Hydrocarbons	67	53		mg/Kg-dry	1	9/28/01 7:47:00 AM
Naphthalene	ND	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
2-Methylnaphthalene	ND	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Acenaphthylene	0.49	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Acenaphthene	ND	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Fluorene	ND	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Phenanthrene	0.47	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Anthracene	0.43	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Fluoranthene	2.2	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Pyrene	2.1	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Benz(a)anthracene	0.2	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Chrysene	1.6	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Benzo(b)fluoranthene	2.6	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Benzo(k)fluoranthene	0.75	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Benzo(a)pyrene	1.4	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Dibenz(a,h)anthracene	0.34	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Indeno(1,2,3-cd)pyrene	1.5	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Benzo(g,h,i)perylene	1.4	0.27		mg/Kg-dry	1	9/28/01 7:47:00 AM
Surr: 1-Chlorooctadecane	134	40-140		%REC	1	9/28/01 7:47:00 AM
Surr: 2-Bromonaphthalene	105	40-140		%REC	1	9/28/01 7:47:00 AM
Surr: 2-Fluorobiphenyl	107	40-140		%REC	1	9/28/01 7:47:00 AM
Surr: o-Terphenyl	96.2	40-140		%REC	1	9/28/01 7:47:00 AM

Hydrocarbon range data exclude concentrations of any surrogate(s) and/or internal standards eluting in that range. EPH: C11-C22 Aromatic Hydrocarbons exclude the concentration of target PAH analytes. VPH: C5-C8 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range. C9-C12 Aliphatic Hydrocarbons exclude the concentration of target analytes eluting in this range and concentration of C9-C10 Aromatic Hydrocarbons.

## CERTIFICATION

Were all QA/QC procedures required by the VPH or EPH method followed:

☒ Yes ☐ No - If No, See Case Narrative

Were all performance/acceptance standards for required QA/QC procedures achieved:

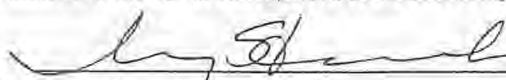
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B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

AMRO Environmental Laboratories Corporation  
111 Herrick Street  
Merrimack, NH 03054

Volatile Petroleum Hydrocarbons (VPH)  
Massachusetts Department of Environmental Protection (MADEP)  
Method 1.0 - January 1998  
AMRO Modifications

This modification is based on the use of a purge and trap gas chromatography mass spectrometer (GC/MS) system to analyze samples for VPH. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates potential false positives for the target analytes while providing accurate hydrocarbon range data.

The chromatographic column is an HP-624 capillary column which has been validated by GC/MS analysis of a gasoline standard to correctly identify the marker compounds and elution order of specific gasoline components. Batch quality control includes, at a minimum, method blank, laboratory control sample, and duplicate analysis. A matrix spike and/or matrix spike duplicate is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 0.6-2.8 mg/kg in soil and 25-110 µg/L in water. The RL of this method for the target analytes ranges from approximately 0.05-0.13 mg/kg in soil and 2.0-5.0 µg/L for water samples.

Extractable Petroleum Hydrocarbons (EPH)  
Massachusetts Department of Environmental Protection (MADEP)  
Method 1.0 - January 1998  
AMRO Modifications

This modification is based on a solvent extraction and gas chromatography mass spectrometer (GC/MS) analysis. The hydrocarbon ranges are quantified using predominant mass fragmentation ions which are characteristic for the range being measured. This approach eliminates the silica gel solid-phase fractionation step. False positives for targeted PAH analytes are eliminated by using GC/MS as the primary analysis technique.

The chromatographic column is a J&W Scientific DB-5ms capillary column. Internal standard calibration is performed using 5 $\alpha$ -Androstane at a concentration of 40 ng/µL. o-Terphenyl and 1-Chlorooctadecane are added as surrogate compounds at 20 ng/µL in the sample extract. These two surrogates monitor the effects of the sample matrix and extraction efficiency. Two additional surrogates, 2-Fluorobiphenyl and 2-Bromonaphthalene, are added to the finished extract prior to analysis to monitor instrument performance. Batch quality control includes, at a minimum, a procedure blank, laboratory control sample and duplicate sample analysis. A matrix spike is analyzed if sufficient sample is submitted to the laboratory.

The Reporting Limit (RL) of this method for each of the collective aliphatic and aromatic ranges is approximately 3-15 mg/kg in soil and 10-50 µg/L in water. The RL of this method for the Target PAH analytes ranges from approximately 0.25 to 0.5 mg/kg in soil, 1.0 µg/L for water when operating the GC/MS in full scan mode, and 0.1 to 1.0 µg/L when operating the GC/MS in SIM mode. For sites requiring the lowest levels cited in the Massachusetts Contingency Plan for water, GC/MS in the Selected Ion Monitoring (SIM) mode is used.

Lab Order: 0109150  
Client: Stone & Webster Construction Co.  
Project: 068511000 Devens Landfill

# DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0109150-01A	DLRP-SP-201	9/20/01	Soil	GASOLINE RANGE ORGANICS		9/20/01	9/28/01
				VOIATILES by GC/MS, Medium-Level		9/20/01	9/25/01
0109150-01B				Volatile Petroleum Hydrocarbons		9/20/01	9/26/01
0109150-01C				ICP METALS, 3051/6010		9/24/01	9/25/01
				MERCURY, Soil		9/24/01	9/25/01
				ORGANOCHLORINE PESTICIDES		9/25/01	9/26/01
				ORGANOCHLORINE PESTICIDES		9/25/01	9/27/01
				PCBS IN SOIL/SOLIDS		9/25/01	9/26/01
				Percent Moisture			9/24/01
				SVOC + Pyridine, Soil/Solids		9/26/01	9/26/01
0109150-01D	DLRP-SP-202			DIESEL RANGE ORGANICS		9/25/01	9/26/01
				EPH, Soil, Full List		9/25/01	9/28/01
0109150-02A				GASOLINE RANGE ORGANICS		9/20/01	9/26/01
				VOIATILES by GC/MS, Medium-Level		9/20/01	9/25/01
0109150-02B				Volatile Petroleum Hydrocarbons		9/20/01	9/26/01
0109150-02C				ICP METALS, 3051/6010		9/24/01	9/25/01
				MERCURY, Soil		9/24/01	9/25/01
				ORGANOCHLORINE PESTICIDES		9/25/01	9/27/01
				ORGANOCHLORINE PESTICIDES		9/25/01	9/26/01
				PCBS IN SOIL/SOLIDS		9/25/01	9/26/01
	DLRP-SP-203			Percent Moisture			9/24/01
				SVOC + Pyridine, Soil/Solids		9/26/01	9/26/01
0109150-02D				DIESEL RANGE ORGANICS		9/25/01	9/26/01
				EPH, Soil, Full List		9/25/01	9/28/01
0109150-03A				GASOLINE RANGE ORGANICS		9/20/01	9/26/01
				VOIATILES by GC/MS, Medium-Level		9/20/01	9/25/01
0109150-03B				Volatile Petroleum Hydrocarbons		9/20/01	9/26/01
0109150-03C				ICP METALS, 3051/6010		9/24/01	9/25/01

Lab Order: 0109150  
 Client: Stone & Webster Construction Co.  
 Project: 068511000 Devens Landfill

## DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0109150-03C	DI.RP-SP-203	9/20/01	Soil	MERCURY, Soil		9/24/01	9/25/01
				ORGANOCHLORINE PESTICIDES		9/25/01	9/26/01
				ORGANOCHLORINE PESTICIDES		9/25/01	9/27/01
				PCBS IN SOIL/SOLIDS		9/25/01	9/26/01
				Percent Moisture			9/24/01
				SVOC + Pyridine, Soil/Solids		9/26/01	9/26/01
0109150-03D				DIESEL RANGE ORGANICS		9/25/01	9/26/01
				EPH Soil, Full List		9/25/01	9/28/01
0109150-04A	TRIP BLANK			VOLATILES by GC/MS, Medium-Level		9/20/01	9/25/01



# SAMPLE RECEIPT CHECKLIST

Client: STONE & WEBSTER  
Project Name: DEVENS LANDFILL  
Ship via: (circle one) Fed Ex., UPS, AMRO Courier,  
Hand Del., Other Courier, Other:

AMRO ID: 0109150  
Date Rec.: 9-21-01  
Date Due: 10-3-01

## Items to be Checked Upon Receipt

1. Army Samples received in individual plastic bags?
2. Custody Seals present?
3. Custody Seals Intact?
4. Air Bill included in folder if received?
5. Is COC included with samples?
6. Is COC signed and dated by client?
7. Laboratory receipt temperature. TEMP = 6°  
Samples rec. with ice ☒ ice packs ☒ neither ☐
8. Were samples received the same day they were sampled?  
Is client temperature  $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ?  
If no obtain authorization from the client for the analyses.  
Client authorization from: \_\_\_\_\_ Date: \_\_\_\_\_ Obtained by: \_\_\_\_\_
9. Is the COC filled out correctly and completely?
10. Does the info on the COC match the samples?
11. Were samples rec. within holding time?
12. Were all samples properly labeled?
13. Were all samples properly preserved?
14. Were proper sample containers used?
15. Were all samples received intact? (none broken or leaking)
16. Were VOA vials rec. with no air bubbles?
17. Were the sample volumes sufficient for requested analysis?
18. Were all samples received?

Yes	No	NA	Comments
		<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
	<input checked="" type="checkbox"/>		
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		EPH in COC + J
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			

19. VPH and VOA Soils only:  
Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)  
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk  
If M or SB:  
Does preservative cover the soil?  
If NO then client must be faxed.  
Does preservation level come close to the fill line on the vial?  
If NO then client must be faxed.  
Were vials provided by AMRO?  
If NO then weights MUST be obtained from client  
Was dry weight aliquot provided?  
If NO then fax client and inform the VOA lab ASAP.

<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			

20. Subcontracted Samples:  
What samples sent:  
Where sent:  
Date:  
Analysis:  
TAT:

		<input checked="" type="checkbox"/>	

21. Information entered into:  
Internal Tracking Log?  
Dry Weight Log?  
Client Log?  
Composite Log?  
Filtration Log?

<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
		<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	

Received By: CC Date: 9-21-01 Logged in By: CC Date: 9-24-01  
Labeled By: CC Date: 9-24-01 Checked By: MG Date: 9-29-01 43

Project No.: _____		Project Name: _____				Project Manager: _____				Samplers (Signature): _____				AMRO Project No.: _____			
		Project State: _____															
Sample ID		Date/Time Sampled	Matrix A= Air S= Soil GW= Ground W. WW= Waste W. DW= Drinking W. O= Oil Other= Specify	Total # of Cont. & Size	Analysis Required										Remarks		
DUP-SP-201		1530															
DUP-SP-202		1530															
DUP-SP-203		1530															
DUP-SP-204		1530															
DUP-SP-205		1530															
DUP-SP-206		1530															
DUP-SP-207		1530															
DUP-SP-208		1530															
DUP-SP-209		1530															
DUP-SP-210		1530															
DUP-SP-211		1530															
DUP-SP-212		1530															
DUP-SP-213		1530															
DUP-SP-214		1530															
DUP-SP-215		1530															
DUP-SP-216		1530															
DUP-SP-217		1530															
DUP-SP-218		1530															
DUP-SP-219		1530															
DUP-SP-220		1530															
Preservative: CI-HCl, MeOH, N-HNO3, S-H2SO4, Na-NaOH, O- Other																	
Container Type: P- Plastic, G-Glass, V-Vial, T- Teflon, O-Other					A	G	V	T	O								
Please print clearly, legibly and completely. Samples can not be logged in and the turnaround time clock will not start until any ambiguities are resolved.					FAX No.: 478-784-0999					NOTES: Preservatives, Special reporting limits, Known Contamination, etc; SE 5-DAT TURNAROUND REQUESTED							
Send Results To: JGFF SHGA 45 BATTEN ROAD AYR, MA 01932					Seal Intact?					GW-1 _____ GW-2 _____ GW-3 _____							
					Yes No N/A					MCP Level Needed: _____							
Relinquished By		Date/ Time	Received By		Date/Time		P.O. No:		PRIORITY TURNAROUND TIME AUTHORIZATION								
JGFF SHGA		12/1/01	JGFF SHGA		12/1/01				Before submitting samples for expedited TAT, you must have requested								
									in advance and received a coded TAT AUTHORIZATION NUMBER								
							Results Needed By:		AUTHORIZATION No. _____ BY: _____								
							12/1/01										
White: Lab Copy					Yellow: Accompanies Report					SHEET ____ OF ____							
					Pink: Client Copy												

Office: (603) 241-2022  
Fax: (603) 241-8496

[illegible]



# *The Commonwealth of Massachusetts*



## *Department of Environmental Protection*

*Division of Environmental Analysis*

*Senator William X. Wall Experiment Station*

*certifies*

M-NH012

AMRO ENVIRONMENTAL LAB  
111 HERRICK ST  
MERRIMACK, NH 03054-0000

*Laboratory Director:* Nancy Stewart

*for the analysis of* NON POTABLE WATER (CHEMISTRY)  
POTABLE WATER (CHEMISTRY)

*pursuant to 310 CMR 42.00*

*This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.*

*This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.*

*Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.*

A handwritten signature in cursive script, reading "Oscar C. Jacobe".

*Director, Division of Environmental Analysis*

*Issued:* 01 JUL 2001

*Expires:* 30 JUN 2002



COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2001

M- NH012 AMRO ENVIRONMENTAL LAB  
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY)		Effective Date	01 JUL 2001	Expiration Date	30 JUN 2002
<u>Analytes and Methods</u>					
ALUMINUM	EPA 200.7	NITRATE-N		EPA 353.2	
ANTIMONY	EPA 200.7	KJELDAHL-N		EPA 351.1	
ANTIMONY	EPA 204.2	KJELDAHL-N		EPA 351.2	
ARSENIC	EPA 200.7	ORTHOPHOSPHATE		EPA 365.2	
ARSENIC	EPA 206.2	ORTHOPHOSPHATE		EPA 300.0	
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS		EPA 365.2	
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND		EPA 410.4	
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND		HACH METHOD 8000	
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND		EPA 405.1	
COBALT	EPA 200.7	TOTAL CYANIDE		EPA 335.2	
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE		EPA 160.2	
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE		SM 4500-CL-G	
LEAD	EPA 200.7	OIL AND GREASE		EPA 413.1	
LEAD	EPA 239.2	TOTAL PHENOLICS		EPA 420.1	
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS		EPA 624	
MERCURY	EPA 245.1	VOLATILE AROMATICS		EPA 624	
MOLYBDENUM	EPA 200.7	CHLORDANE		EPA 608	
NICKEL	EPA 200.7	ALDRIN		EPA 608	
SELENIUM	EPA 200.7	DIELDRIN		EPA 608	
SELENIUM	EPA 270.2	DDD		EPA 608	
SILVER	EPA 200.7	DDT		EPA 608	
STRONTIUM	EPA 200.7	HEPTACHLOR		EPA 608	
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE		EPA 608	
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)		EPA 608	
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)		EPA 600/4-81-045	
PH	EPA 150.1				
SPECIFIC CONDUCTIVITY	EPA 120.1				
TOTAL DISSOLVED SOLIDS	EPA 160.1				
TOTAL HARDNESS (CA CO3)	EPA 200.7				
CALCIUM	EPA 200.7				
MAGNESIUM	EPA 200.7				
SODIUM	EPA 200.7				
POTASSIUM	EPA 200.7				
TOTAL ALKALINITY	EPA 310.1				
CHLORIDE	EPA 325.3				
CHLORIDE	EPA 300.0				
FLUORIDE	EPA 340.2				
FLUORIDE	EPA 300.0				
SULFATE	EPA 375.4				
SULFATE	EPA 300.0				
AMMONIA-N	EPA 350.2				
NITRATE-N	EPA 300.0				

COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2001

M- NH012 AMRO ENVIRONMENTAL LAB  
MERRIMACK NH

POTABLE WATER (CHEMISTRY) Effective Date 01 JUL 2001 Expiration Date 30 JUN 2002

Analytes and Methods

ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1

## **APPENDIX 16**

### **West Rail – PetroFlag Field Data**



## Hydrocarbon Test Kit - Field Data Sheet

Date: 12/11/01

Calibration Time/Date: 0830

Operator: LBM/SPC

Calibration Temperature: 14.1°C

Location: WEST RAIL STOCKPILE  
(BARNUM ROAD)

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-WR-01	10g	0900	498	1	5	498	SOIL
2	PF-WR-02	↓	1045	654	↓	↓	654	↓
3	PF-WR-03	↓	1230	602	↓	↓	602	↓
4	PF-WR-04	↓	1310	816	↓	↓	816	↓
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.





## Hydrocarbon Test Kit - Field Data Sheet

Date: 12/12/01

Calibration Time/Date: 0830

Operator: LBM

Calibration Temperature: 5.8°C

Location: WEST RAIL STACKPILE  
(BARNUM ROAD)

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-WR-05	10g	0900	693	1	5	693	SOIL
2	PF-WR-06	↓	1030	640	↓	↓	640	↓
3	PF-WR-07	↓	1125	1150	↓	↓	1150	↓
4	PF-WR-08	↓	1230	1170	↓	↓	1170	↓
5	PF-WR-09	↓	1330	839	↓	↓	839	↓
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.

F:\USERS\PUBLIC\INSTRUCT\Petroflag\PFWRKSH 002 Rev 0



## Hydrocarbon Test Kit - Field Data Sheet

Date: 12/13/01  
Operator: LBM/JPC  
Location: WEST RAIL STOCKPILE  
(BARNUM ROAD)

Calibration Time/Date: 0830  
Calibration Temperature: 11.2°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-WR-10	10g	0915	855	1	5	855	SOIL
2	PF-WR-11	↓	1025	714	↓	↓	714	↓
3	PF-WR-12	↓	1200	570	↓	↓	570	↓
4	PF-WR-13	↓	1320	989	↓	↓	989	↓
5	PF-WR-14	↓	1420	951	↓	↓	951	↓
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.



## Hydrocarbon Test Kit - Field Data Sheet

Date: 12/17/01  
Operator: LBM/JPC  
Location: WEST RAIL SCORPION  
(BARHAM ROAD)

Calibration Time/Date: 0830  
Calibration Temperature: 5.6°C

No.	Sample ID	Weight	Time/Date	Reading (ppm)	DF <sup>1</sup>	RF <sup>2</sup>	Actual (ppm)	Comments
1	PF-WR-15	10g	0900	314	1	5	314	Soil
2	PF-WR-16		0940	281			281	
3	PF-WR-17		1045	200			200	
4	PF-WR-18		1125	356			356	
5	PF-WR-19		1315	486			486	
6	PF-WR-20		1400	208			208	
7	PF-WR-21		1440	286			286	
8	PF-WR-22	↓	1520	189	↓	↓	189	↓
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

<sup>1</sup>DF = Dilution Factor, e.g., for 5 gram soil sample DF=10g/5g=2, and actual concentration equals reading times DF (reading (ppm) x DF = actual concentration).

<sup>2</sup>RF = Response Factor, selected for the hydrocarbon contamination at the site.

## **APPENDIX 17**

### **Lot 9 Analytical Data**





Environmental  
Laboratories Corp.



91 Harris Street, Merrimack, NH 03054  
TEL: (603) 424-2020 (FA), (603) 429-8496

October 08, 2001

Jeffrey Shea  
Stone & Webster Construction Co.  
45 Patton Road  
Ayer, MA 01432  
TEL: (978) 784-0900  
FAX: (978) 784-0999

RE: 068511000 Devens Landfill

Order No.: 0109213

Dear Jeffrey Shea:

AMRO Environmental Laboratories Corp. received 9 samples on 9/27/01 for the analyses presented in the following report.

AMRO operates a Quality Assurance Program which meets or exceeds National Environmental Laboratory Accreditation Conference (NELAC), state, and EPA requirements. A copy of the appropriate state and/or NELAC Certificate is attached.

The enclosed Sample Receipt Checklist details the condition of your sample(s) upon receipt. Please be advised that any unused sample volume and sample extracts will be stored for a period of thirty (30) days from this report date. After this time, AMRO will properly dispose of the remaining sample(s). If you require further analysis, or need the samples held for a longer period, please contact us immediately.

This report consists of a total of        pages. This letter is an integral part of your final report. If you have any questions regarding this project in the future, please refer to the Order Number above.

Sincerely,

*Nancy Stewart*

Nancy Stewart  
Vice President / Lab Director

**AMRO Environmental Laboratories Corp.**

Date: 08-Oct-01

**CLIENT:** Stone & Webster Construction Co.**Project:** 068511000 Devens Landfill**Lab Order:** 0109213**Date Received:** 9/27/01**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Collection Date
0109213-01A	DLRP-SP-213	9/26/01
0109213-01B	DLRP-SP-213	9/26/01
0109213-02A	DLRP-SP-214	9/26/01
0109213-02B	DLRP-SP-214	9/26/01
0109213-03A	DLRP-SP-215	9/26/01
0109213-03B	DLRP-SP-215	9/26/01
0109213-04A	DLRP-SP-216	9/26/01
0109213-04B	DLRP-SP-216	9/26/01
0109213-05A	DLRP-SP-217	9/26/01
0109213-05B	DLRP-SP-217	9/26/01
0109213-06A	DLRP-SP-218	9/26/01
0109213-06B	DLRP-SP-218	9/26/01
0109213-07A	DLRP-SP-219	9/26/01
0109213-07B	DLRP-SP-219	9/26/01
0109213-08A	DLRP-SP-221	9/27/01
0109213-08B	DLRP-SP-221	9/27/01
0109213-09A	DLRP-SP-222	9/27/01
0109213-09B	DLRP-SP-222	9/27/01

**AMRO Environmental Laboratories Corp.**

Date: 08-Oct-01

**CLIENT:** Stone & Webster Construction Co.  
**Project:** 068511000 Devens Landfill  
**Lab Order:** 0109213

**CASE NARRATIVE**

---

PCB

1. Samples 0109213-01B and 0109213-06B had a recovery for the surrogate Decachlorobiphenyl outside the QC limits.

PESTICIDES

1. The %difference (%D) in the Continuing Calibration Verification analyzed on 10/03/01 on instrument Trent exceeded the  $\pm 15\%$  limit. The laboratory used the average percent difference for all analytes as per SW-846 Method 8081A Section 7.5. Please refer to the Continuing Calibration Summary Form in the Pesticide Section.

2. The recovery for the surrogate Decachlorobiphenyl was outside the QC limits in samples 0109213-01B and 0109213-06B.

**AMRO Environmental Laboratories Corp.**

Date: 08-Oct-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-221**Lab Order:** 0109213**Project:** 068511000 Devens Landfill**Collection Date:** 9/27/01**Lab ID:** 0109213-08B**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ICP METALS TOTAL SW-846 - 3051/6010</b>		<b>SW6010B</b>				Analyst: RK
Arsenic	10	6.3		mg/Kg-dry	1	10/2/01 4:25:20 PM
Barium	ND	25		mg/Kg-dry	1	10/2/01 4:25:20 PM
Cadmium	ND	0.63		mg/Kg-dry	1	10/2/01 4:25:20 PM
Chromium	11	1.3		mg/Kg-dry	1	10/2/01 4:25:20 PM
Lead	36	3.1		mg/Kg-dry	1	10/2/01 4:25:20 PM
Selenium	ND	10		mg/Kg-dry	1	10/2/01 4:25:20 PM
Silver	ND	1.8		mg/Kg-dry	1	10/2/01 4:25:20 PM
<b>MERCURY, 7471A</b>		<b>SW7471A</b>				Analyst: GM
Mercury	ND	0.026		mg/Kg-dry	1	10/1/01
<b>PERCENT MOISTURE</b>		<b>D2216</b>				Analyst: JC
Percent Moisture	6.6	0		wt%	1	9/28/01

**Qualifiers:** ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 08-Oct-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-222

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-09B

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ICP METALS TOTAL SW-846 - 3051/6010	SW6010B					Analyst: RK
Arsenic	13	6.5		mg/Kg-dry	1	10/2/01 4:29:48 PM
Barium	ND	26		mg/Kg-dry	1	10/2/01 4:29:48 PM
Cadmium	ND	0.65		mg/Kg-dry	1	10/2/01 4:29:48 PM
Chromium	11	1.3		mg/Kg-dry	1	10/2/01 4:29:48 PM
Lead	39	3.2		mg/Kg-dry	1	10/2/01 4:29:48 PM
Selenium	ND	10		mg/Kg-dry	1	10/2/01 4:29:48 PM
Silver	ND	1.8		mg/Kg-dry	1	10/2/01 4:29:48 PM
MERCURY, 7471A	SW7471A					Analyst: GM
Mercury	ND	0.025		mg/Kg-dry	1	10/1/01
PERCENT MOISTURE	D2216					Analyst: JC
Percent Moisture	6.4	0		wt%	1	9/28/01

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate

# AMRO Environmental Laboratories Corp.

Date: 08-Oct-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-221

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-08A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVEL SW8260B						Analyst: SK
Dichlorodifluoromethane	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
Chloromethane	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
Vinyl chloride	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Chloroethane	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
Bromomethane	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
Trichlorofluoromethane	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
Diethyl ether	ND	250		µg/Kg-dry	1	10/1/01 10:22:00 PM
Acetone	ND	250		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,1-Dichloroethene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Carbon disulfide	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
Methylene chloride	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
Methyl tert-butyl ether	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
trans-1,2-Dichloroethene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,1-Dichloroethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Tertiary Butanol	ND	2,500		µg/Kg-dry	1	10/1/01 10:22:00 PM
2-Butanone	ND	250		µg/Kg-dry	1	10/1/01 10:22:00 PM
Diisopropyl ether	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
2,2-Dichloropropane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
cis-1,2-Dichloroethene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Ethyl Tertiary Butyl Ether	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
Chloroform	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Tetrahydrofuran	ND	250		µg/Kg-dry	1	10/1/01 10:22:00 PM
Bromochloromethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,1,1-Trichloroethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,1-Dichloropropene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Carbon tetrachloride	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,2-Dichloroethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Benzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Trichloroethene	330	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,2-Dichloropropane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Bromodichloromethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Dibromomethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Tertiary Amyl Methyl Ether	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
4-Methyl-2-pentanone	ND	250		µg/Kg-dry	1	10/1/01 10:22:00 PM
cis-1,3-Dichloropropene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Toluene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
trans-1,3-Dichloropropene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,1,2-Trichloroethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 08-Oct-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-221

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-08A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
2-Hexanone	ND	250		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,3-Dichloropropane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Tetrachloroethene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Dibromochloromethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Chlorobenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,1,1,2-Tetrachloroethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Ethylbenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
m,p-Xylene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
o-Xylene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Styrene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Bromoform	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Isopropylbenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,1,2,2-Tetrachloroethane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,2,3-Trichloropropane	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Bromobenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
n-Propylbenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
2-Chlorotoluene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
4-Chlorotoluene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,3,5-Trimethylbenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
tert-Butylbenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,2,4-Trimethylbenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
sec-Butylbenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
4-Isopropyltoluene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,3-Dichlorobenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,4-Dichlorobenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
n-Butylbenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,2-Dichlorobenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,2-Dibromo-3-chloropropane	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,2,4-Trichlorobenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Hexachlorobutadiene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM
Naphthalene	ND	50		µg/Kg-dry	1	10/1/01 10:22:00 PM
1,2,3-Trichlorobenzene	ND	25		µg/Kg-dry	1	10/1/01 10:22:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate

# AMRO Environmental Laboratories Corp.

Date: 08-Oct-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-222

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-09A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES BY GC/MS, EPA 5035 MEDIUM-LEVEL SW8260B						Analyst: SK
Dichlorodifluoromethane	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
Chloromethane	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
Vinyl chloride	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Chloroethane	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
Bromomethane	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
Trichlorofluoromethane	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
Diethyl ether	ND	300		µg/Kg-dry	1	10/1/01 10:57:00 PM
Acetone	ND	300		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,1-Dichloroethene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Carbon disulfide	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
Methylene chloride	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
Methyl tert-butyl ether	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
trans-1,2-Dichloroethene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,1-Dichloroethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Tertiary Butanol	ND	3,000		µg/Kg-dry	1	10/1/01 10:57:00 PM
2-Butanone	ND	300		µg/Kg-dry	1	10/1/01 10:57:00 PM
Diisopropyl ether	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
2,2-Dichloropropane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
cis-1,2-Dichloroethene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Ethyl Tertiary Butyl Ether	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
Chloroform	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Tetrahydrofuran	ND	300		µg/Kg-dry	1	10/1/01 10:57:00 PM
Bromochloromethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,1,1-Trichloroethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,1-Dichloropropene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Carbon tetrachloride	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,2-Dichloroethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Benzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Trichloroethene	250	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,2-Dichloropropane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Bromodichloromethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Dibromomethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Tertiary Amyl Methyl Ether	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
4-Methyl-2-pentanone	ND	300		µg/Kg-dry	1	10/1/01 10:57:00 PM
cis-1,3-Dichloropropene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Toluene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
trans-1,3-Dichloropropene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,1,2-Trichloroethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



# AMRO Environmental Laboratories Corp.

Date: 08-Oct-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-222

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-09A

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
1,2-Dibromoethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
2-Hexanone	ND	300		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,3-Dichloropropane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Tetrachloroethene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Dibromochloromethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Chlorobenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,1,1,2-Tetrachloroethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Ethylbenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
m,p-Xylene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
o-Xylene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Styrene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Bromoform	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Isopropylbenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,1,2,2-Tetrachloroethane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,2,3-Trichloropropane	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Bromobenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
n-Propylbenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
2-Chlorotoluene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
4-Chlorotoluene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,3,5-Trimethylbenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
tert-Butylbenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,2,4-Trimethylbenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
sec-Butylbenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
4-Isopropyltoluene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,3-Dichlorobenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,4-Dichlorobenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
n-Butylbenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,2-Dichlorobenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,2-Dibromo-3-chloropropane	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,2,4-Trichlorobenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Hexachlorobutadiene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM
Naphthalene	ND	59		µg/Kg-dry	1	10/1/01 10:57:00 PM
1,2,3-Trichlorobenzene	ND	30		µg/Kg-dry	1	10/1/01 10:57:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

= - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 08-Oct-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-221

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-08B

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C				Analyst: KD
Pyridine	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
N-Nitrosodimethylamine	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
Phenol	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Bis(2-chloroethyl)ether	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
2-Chlorophenol	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
1,3-Dichlorobenzene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
1,4-Dichlorobenzene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Benzyl alcohol	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
2-Methylphenol	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
1,2-Dichlorobenzene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Bis(2-chloroisopropyl)ether	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
4-Methylphenol	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
N-Nitrosodi-n-propylamine	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Hexachloroethane	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Nitrobenzene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Isophorone	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
2,4-Dimethylphenol	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Benzoic acid	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
2-Nitrophenol	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Bis(2-chloroethoxy)methane	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
2,4-Dichlorophenol	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
1,2,4-Trichlorobenzene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Naphthalene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
4-Chloroaniline	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Hexachlorobutadiene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
4-Chloro-3-methylphenol	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
2-Methylnaphthalene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Hexachlorocyclopentadiene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
2,4,6-Trichlorophenol	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
2,4,5-Trichlorophenol	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
2-Chloronaphthalene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
2-Nitroaniline	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
Dimethyl phthalate	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
2,6-Dinitrotoluene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Acenaphthylene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
3-Nitroaniline	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
4-Nitrophenol	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
2,4-Dinitrophenol	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 08-Oct-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-221

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-08B

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
2,4-Dinitrotoluene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Dibenzofuran	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Diethyl phthalate	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
4-Chlorophenyl phenyl ether	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Fluorene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
4-Nitroaniline	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
4,6-Dinitro-2-methylphenol	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
N-Nitrosodiphenylamine	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
4-Bromophenyl phenyl ether	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Hexachlorobenzene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Pentachlorophenol	ND	530		µg/Kg-dry	1	10/5/01 5:28:00 PM
Phenanthrene	480	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Anthracene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Carbazole	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Di-n-butyl phthalate	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Fluoranthene	770	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Benzidine	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Pyrene	760	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Butyl benzyl phthalate	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Bis(2-ethylhexyl)phthalate	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
3,3'-Dichlorobenzidine	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Benz(a)anthracene	400	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Chrysene	420	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Di-n-octyl phthalate	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Benzo(b)fluoranthene	530	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Benzo(k)fluoranthene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Benzo(a)pyrene	390	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Dibenz(a,h)anthracene	ND	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Indeno(1,2,3-cd)pyrene	340	260		µg/Kg-dry	1	10/5/01 5:28:00 PM
Benzo(g,h,i)perylene	350	260		µg/Kg-dry	1	10/5/01 5:28:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 H - Method prescribed holding time exceeded  
 RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 08-Oct-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-222

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-09B

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
SEMIVOLATILE ORGANICS		SW8270C				Analyst: KD
Pyridine	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
N-Nitrosodimethylamine	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
Phenol	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Bis(2-chloroethyl)ether	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
2-Chlorophenol	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
1,3-Dichlorobenzene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
1,4-Dichlorobenzene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Benzyl alcohol	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
2-Methylphenol	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
1,2-Dichlorobenzene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Bis(2-chloroisopropyl)ether	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
4-Methylphenol	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
N-Nitrosodi-n-propylamine	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Hexachloroethane	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Nitrobenzene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Isophorone	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
2,4-Dimethylphenol	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Benzoic acid	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
2-Nitrophenol	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Bis(2-chloroethoxy)methane	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
2,4-Dichlorophenol	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
1,2,4-Trichlorobenzene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Naphthalene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
4-Chloroaniline	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Hexachlorobutadiene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
4-Chloro-3-methylphenol	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
2-Methylnaphthalene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Hexachlorocyclopentadiene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
2,4,6-Trichlorophenol	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
2,4,5-Trichlorophenol	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
2-Chloronaphthalene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
2-Nitroaniline	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
Dimethyl phthalate	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
2,6-Dinitrotoluene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Acenaphthylene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
3-Nitroaniline	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
4-Nitrophenol	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
2,4-Dinitrophenol	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



# AMRO Environmental Laboratories Corp.

Date: 08-Oct-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-222

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-09B

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Acenaphthene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
2,4-Dinitrotoluene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Dibenzofuran	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Diethyl phthalate	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
4-Chlorophenyl phenyl ether	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Fluorene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
4-Nitroaniline	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
4,6-Dinitro-2-methylphenol	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
N-Nitrosodiphenylamine	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
1,2-Diphenylhydrazine (as Azobenzene)	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
4-Bromophenyl phenyl ether	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Hexachlorobenzene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Pentachlorophenol	ND	520		µg/Kg-dry	1	10/3/01 11:17:00 PM
Phenanthrene	270	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Anthracene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Carbazole	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Di-n-butyl phthalate	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Fluoranthene	450	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Benzidine	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Pyrene	450	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Butyl benzyl phthalate	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Bis(2-ethylhexyl)phthalate	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
3,3'-Dichlorobenzidine	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Benz(a)anthracene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Chrysene	260	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Di-n-octyl phthalate	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Benzo(b)fluoranthene	310	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Benzo(k)fluoranthene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Benzo(a)pyrene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Dibenz(a,h)anthracene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Indeno(1,2,3-cd)pyrene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM
Benzo(g,h,i)perylene	ND	260		µg/Kg-dry	1	10/3/01 11:17:00 PM

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantify

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 08-Oct-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-221

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-08B

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A			Analyst: RAP	
alpha-BHC	ND	8.4		µg/Kg-dry	10	10/3/01 8:19:00 PM
beta-BHC	ND	8.4		µg/Kg-dry	10	10/3/01 8:19:00 PM
delta-BHC	ND	8.4		µg/Kg-dry	10	10/3/01 8:19:00 PM
gamma-BHC	ND	8.4		µg/Kg-dry	10	10/3/01 8:19:00 PM
Heptachlor	ND	8.4		µg/Kg-dry	10	10/3/01 8:19:00 PM
Aldrin	ND	8.4		µg/Kg-dry	10	10/3/01 8:19:00 PM
Heptachlor epoxide	ND	8.4		µg/Kg-dry	10	10/3/01 8:19:00 PM
Endosulfan I	ND	8.4		µg/Kg-dry	10	10/3/01 8:19:00 PM
alpha-Chlordane	ND	8.4		µg/Kg-dry	10	10/3/01 8:19:00 PM
gamma-Chlordane	ND	8.4		µg/Kg-dry	10	10/3/01 8:19:00 PM
Dieldrin	ND	17		µg/Kg-dry	10	10/3/01 8:19:00 PM
4,4'-DDE	ND	17		µg/Kg-dry	10	10/3/01 8:19:00 PM
Endrin	ND	17		µg/Kg-dry	10	10/3/01 8:19:00 PM
Endosulfan II	ND	17		µg/Kg-dry	10	10/3/01 8:19:00 PM
4,4'-DDD	ND	17		µg/Kg-dry	10	10/3/01 8:19:00 PM
Endrin aldehyde	ND	17		µg/Kg-dry	10	10/3/01 8:19:00 PM
Endrin ketone	ND	17		µg/Kg-dry	10	10/3/01 8:19:00 PM
Endosulfan sulfate	ND	17		µg/Kg-dry	10	10/3/01 8:19:00 PM
4,4'-DDT	31	17		µg/Kg-dry	10	10/3/01 8:19:00 PM
Methoxychlor	ND	84		µg/Kg-dry	10	10/3/01 8:19:00 PM
Toxaphene	ND	260		µg/Kg-dry	10	10/3/01 8:19:00 PM
Technical Chlordane	ND	260		µg/Kg-dry	10	10/3/01 8:19:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

# AMRO Environmental Laboratories Corp.

Date: 08-Oct-01

CLIENT: Stone & Webster Construction Co.

Client Sample ID: DLRP-SP-222

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-09B

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
ORGANOCHLORINE PESTICIDES		SW8081A				Analyst: RAP
alpha-BHC	ND	8.5		µg/Kg-dry	10	10/3/01 8:46:00 PM
beta-BHC	ND	8.5		µg/Kg-dry	10	10/3/01 8:46:00 PM
delta-BHC	ND	8.5		µg/Kg-dry	10	10/3/01 8:46:00 PM
gamma-BHC	ND	8.5		µg/Kg-dry	10	10/3/01 8:46:00 PM
Heptachlor	ND	8.5		µg/Kg-dry	10	10/3/01 8:46:00 PM
Aldrin	ND	8.5		µg/Kg-dry	10	10/3/01 8:46:00 PM
Heptachlor epoxide	ND	8.5		µg/Kg-dry	10	10/3/01 8:46:00 PM
Endosulfan I	ND	8.5		µg/Kg-dry	10	10/3/01 8:46:00 PM
alpha-Chlordane	ND	8.5		µg/Kg-dry	10	10/3/01 8:46:00 PM
gamma-Chlordane	ND	8.5		µg/Kg-dry	10	10/3/01 8:46:00 PM
Dieldrin	ND	17		µg/Kg-dry	10	10/3/01 8:46:00 PM
4,4'-DDE	ND	17		µg/Kg-dry	10	10/3/01 8:46:00 PM
Endrin	ND	17		µg/Kg-dry	10	10/3/01 8:46:00 PM
Endosulfan II	ND	17		µg/Kg-dry	10	10/3/01 8:46:00 PM
4,4'-DDD	ND	17		µg/Kg-dry	10	10/3/01 8:46:00 PM
Endrin aldehyde	ND	17		µg/Kg-dry	10	10/3/01 8:46:00 PM
Endrin ketone	ND	17		µg/Kg-dry	10	10/3/01 8:46:00 PM
Endosulfan sulfate	ND	17		µg/Kg-dry	10	10/3/01 8:46:00 PM
4,4'-DDT	27	17		µg/Kg-dry	10	10/3/01 8:46:00 PM
Methoxychlor	ND	85		µg/Kg-dry	10	10/3/01 8:46:00 PM
Toxaphene	ND	270		µg/Kg-dry	10	10/3/01 8:46:00 PM
Technical Chlordane	ND	270		µg/Kg-dry	10	10/3/01 8:46:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 H - Method prescribed holding time exceeded  
 RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 = - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 08-Oct-01

CLIENT: Stone &amp; Webster Construction Co.

Client Sample ID: DLRP-SP-221

Lab Order: 0109213

Project: 068511000 Devens Landfill

Collection Date: 9/27/01

Lab ID: 0109213-08B

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	26		µg/Kg-dry	1	10/3/01 8:51:00 PM
Aroclor 1221	ND	26		µg/Kg-dry	1	10/3/01 8:51:00 PM
Aroclor 1232	ND	26		µg/Kg-dry	1	10/3/01 8:51:00 PM
Aroclor 1242	ND	26		µg/Kg-dry	1	10/3/01 8:51:00 PM
Aroclor 1248	ND	26		µg/Kg-dry	1	10/3/01 8:51:00 PM
Aroclor 1254	ND	26		µg/Kg-dry	1	10/3/01 8:51:00 PM
Aroclor 1260	140	26		µg/Kg-dry	1	10/3/01 8:51:00 PM

Qualifiers: ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

H - Method prescribed holding time exceeded

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



**AMRO Environmental Laboratories Corp.**

Date: 08-Oct-01

**CLIENT:** Stone & Webster Construction Co.**Client Sample ID:** DLRP-SP-222**Lab Order:** 0109213**Project:** 068511000 Devens Landfill**Collection Date:** 9/27/01**Lab ID:** 0109213-09B**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PCBS BY EPA8082		SW8082				Analyst: RAP
Aroclor 1016	ND	27		µg/Kg-dry	1	10/3/01 9:17:00 PM
Aroclor 1221	ND	27		µg/Kg-dry	1	10/3/01 9:17:00 PM
Aroclor 1232	ND	27		µg/Kg-dry	1	10/3/01 9:17:00 PM
Aroclor 1242	ND	27		µg/Kg-dry	1	10/3/01 9:17:00 PM
Aroclor 1248	ND	27		µg/Kg-dry	1	10/3/01 9:17:00 PM
Aroclor 1254	ND	27		µg/Kg-dry	1	10/3/01 9:17:00 PM
Aroclor 1260	110	27		µg/Kg-dry	1	10/3/01 9:17:00 PM

**Qualifiers:**

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

H - Method prescribed holding time exceeded

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

= - See Case Narrative

# AMRO Environmental Laboratories Corp.

08-Oct-01

Lab Order: 0109213  
 Client: Stone & Webster Construction Co.  
 Project: 068511000 Devens Landfill

## DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0109213-05A	DLRP-SP-217	9/26/01	Soil	VOLATILES by GC/MS, Medium-Level		9/26/01	10/1/01
0109213-05B				ICP METALS, 3051/6010		9/28/01	10/2/01
				MERCURY, Soil		10/1/01	10/1/01
				ORGANOCHLORINE PESTICIDES		9/29/01	10/3/01
				PCBS IN SOIL/SOLIDS		9/29/01	10/3/01
				Percent Moisture			9/28/01
				SVOC + Pyridine, Soil/Solids		10/1/01	10/3/01
0109213-06A	DLRP-SP-218			VOLATILES by GC/MS, Medium-Level		9/26/01	10/1/01
0109213-06B				ICP METALS, 3051/6010		9/28/01	10/2/01
				MERCURY, Soil		10/1/01	10/1/01
				ORGANOCHLORINE PESTICIDES		9/29/01	10/3/01
				PCBS IN SOIL/SOLIDS		9/29/01	10/3/01
				Percent Moisture			9/28/01
				SVOC + Pyridine, Soil/Solids		10/1/01	10/4/01
	DLRP-SP-219			SVOC + Pyridine, Soil/Solids		10/1/01	10/4/01
0109213-07A				VOLATILES by GC/MS, Medium-Level		9/26/01	10/2/01
0109213-07B				ICP METALS, 3051/6010		9/28/01	10/2/01
				MERCURY, Soil		10/1/01	10/1/01
				ORGANOCHLORINE PESTICIDES		9/29/01	10/3/01
				PCBS IN SOIL/SOLIDS		9/29/01	10/3/01
				Percent Moisture			9/28/01
	DLRP-SP-221	9/27/01		SVOC + Pyridine, Soil/Solids		10/1/01	10/3/01
0109213-08A				VOLATILES by GC/MS, Medium-Level		9/26/01	10/1/01
0109213-08B				ICP METALS, 3051/6010		9/28/01	10/2/01
				MERCURY, Soil		10/1/01	10/1/01
				ORGANOCHLORINE PESTICIDES		9/29/01	10/3/01
				PCBS IN SOIL/SOLIDS		9/29/01	10/3/01
				Percent Moisture			9/28/01

**AMKO Environmental Laboratories Corp.**

08-Oct-01

**Lab Order:** 0109213  
**Client:** Stone & Webster Construction Co.  
**Project:** 068511000 Devens Landfill

**DATES REPORT**

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0109213-08B	DLRP-SP-221	9/27/01	Soil	SVOC + Pyridine, Soil/Solids		10/1/01	10/3/01
				SVOC + Pyridine, Soil/Solids		10/4/01	10/5/01
0109213-09A	DLRP-SP-222			VOLATILES by GC/MS, Medium-Level		9/26/01	10/1/01
0109213-09B				ICP METALS, 3051/6010		9/28/01	10/2/01
				MERCURY, Soil		10/1/01	10/1/01
				ORGANOCHLORINE PESTICIDES		9/29/01	10/3/01
				PCBS IN SOIL/SOLIDS		9/29/01	10/3/01
				Percent Moisture			9/28/01
				SVOC + Pyridine, Soil/Solids		10/1/01	10/3/01

# SAMPLE RECEIPT CHECKLIST

Client: STONE 2 WEBSTER  
Project Name: 068511000 DEVENS LANDFILL PRAT  
Ship via: (circle one) Fed Ex., UPS, AMRO Courier  
Hand Del., Other Courier, Other:

AMRO ID: 0109213  
Date Rec.: 9-27-01  
Date Due: 10-4-01

## Items to be Checked Upon Receipt

1. Army Samples received in individual plastic bags?
2. Custody Seals present?
3. Custody Seals Intact?
4. Air Bill included in folder if received?
5. Is COC included with samples?
6. Is COC signed and dated by client?
7. Laboratory receipt temperature. TEMP = 40  
Samples rec. with ice    ice packs    ☒ neither
8. Were samples received the same day they were sampled?  
Is client temperature  $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$ ?  
If no obtain authorization from the client for the analyses.  
Client authorization from:    Date:    Obtained by:
9. Is the COC filled out correctly and completely?
10. Does the info on the COC match the samples?
11. Were samples rec. within holding time?
12. Were all samples properly labeled?
13. Were all samples properly preserved?
14. Were proper sample containers used?
15. Were all samples received intact? (none broken or leaking)
16. Were VOA vials rec. with no air bubbles?
17. Were the sample volumes sufficient for requested analysis?
18. Were all samples received?

Yes	No	NA	Comments
		<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		9/26 and 9/27
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
		<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			

## 19. VPH and VOA Soils only:

Sampling Method VPH (circle one): M=Methanol, E=EnCore (air-tight container)  
Sampling Method VOA (circle one): M=Methanol, SB=Sodium Bisulfate, E=EnCore, B=Bulk  
If M or SB:

- Does preservative cover the soil?  
If NO then client must be faxed.
- Does preservation level come close to the fill line on the vial?  
If NO then client must be faxed.
- Were vials provided by AMRO?  
If NO then weights MUST be obtained from client
- Was dry weight aliquot provided?  
If NO then fax client and inform the VOA lab ASAP.

<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			

## 20. Subcontracted Samples:

What samples sent:  
Where sent:  
Date:  
Analysis:  
TAT:

		<input checked="" type="checkbox"/>	

## 21. Information entered into:

Internal Tracking Log?  
Dry Weight Log?  
Client Log?  
Composite Log?  
Filtration Log?

<input checked="" type="checkbox"/>			
<input checked="" type="checkbox"/>			
		<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	
		<input checked="" type="checkbox"/>	

Received By: MB Date: 9-27-01 Logged in By: CC Date: 9-28-01  
Labeled By: CC Date: 9-28-01 Checked By: MB



Project No.: 101-11111		Project Name: 101-11111		Project Manager: 101-11111		Samplers (Signature): 101-11111		AMRO Project No.: 101-11111								
		Project State:														
Sample ID	Date/Time Sampled	Matrix A= Air S= Soil GW= Ground W. WW= Waste W. DW= Drinking W. O= Oil Other= Specify	Total # of Cont. & Size	Analysis Required												Remarks
Preservative: CI-HCl, MeOH, N-HNO3, S-H2SO4, Na-NaOH, O- Other																
Container Type: P- Plastic, G-Glass, V-Vial, T- Teflon, O-Other																
Please print clearly, legibly and completely. Samples can not be logged in and the turnaround time clock will not start until any ambiguities are resolved.				FAX No.: 101-11111				NOTES: Preservatives, Special reporting limits, Known Contamination, etc;								
Send Results To: 101-11111																
Relinquished By		Date/ Time		Received By		Date/Time		Seal Intact?		GW-1		GW-2		GW-3		
								Yes No N/A		MCP Level Needed:						
								P.O. No:		PRIORITY TURNAROUND TIME AUTHORIZATION						
								Results Needed By:		Before submitting samples for expedited TAT, you must have requested in advance and received a coded TAT AUTHORIZATION NUMBER						
										AUTHORIZATION No. BY:						
										SHEET OF						
White: Lab Co.		Yellow: Accompanies Report		Pink: Client Copy												

*The Commonwealth of Massachusetts*



*Department of Environmental Protection*

*Division of Environmental Analysis*

*Senator William X. Wall Experiment Station*

*certifies*

M-NH012

AMRO ENVIRONMENTAL LAB  
111 HERRICK ST  
MERRIMACK, NH 03054-0000

*Laboratory Director:* Nancy Stewart

*for the analysis of* NON POTABLE WATER (CHEMISTRY)  
POTABLE WATER (CHEMISTRY)

*pursuant to 310 CMR 42.00*

*This certificate supersedes all previous Massachusetts certificates issued to this laboratory. The laboratory is regulated by and shall be responsible for being in compliance with Massachusetts regulations at 310 CMR 42.00.*

*This certificate is valid only when accompanied by the latest dated Certified Parameter List as issued by the Massachusetts D.E.P. Contact the Division of Environmental Analysis to verify the current certification status of the laboratory.*

*Certification is no guarantee of the validity of the data. This certification is subject to unannounced laboratory inspections.*

A handwritten signature in cursive script, reading "Oscar C. Jacala".

*Director, Division of Environmental Analysis*

*Issued:* 01 JUL 2001

*Expires:* 30 JUN 2002

COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB  
MERRIMACK NH

NON POTABLE WATER (CHEMISTRY)		Effective Date	01 JUL 2001	Expiration Date	30 JUN 2002
<u>Analytes and Methods</u>					
ALUMINUM	EPA 200.7	NITRATE-N		EPA 353.2	
ANTIMONY	EPA 200.7	KJELDAHL-N		EPA 351.1	
ANTIMONY	EPA 204.2	KJELDAHL-N		EPA 351.2	
ARSENIC	EPA 200.7	ORTHOPHOSPHATE		EPA 365.2	
ARSENIC	EPA 206.2	ORTHOPHOSPHATE		EPA 300.0	
ARSENIC	ASTM D2972-93(C)	TOTAL PHOSPHORUS		EPA 365.2	
BERYLLIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND		EPA 410.4	
CADMIUM	EPA 200.7	CHEMICAL OXYGEN DEMAND		HACH METHOD 8000	
CHROMIUM	EPA 200.7	BIOCHEMICAL OXYGEN DEMAND		EPA 405.1	
COBALT	EPA 200.7	TOTAL CYANIDE		EPA 335.2	
COPPER	EPA 200.7	NON-FILTERABLE RESIDUE		EPA 160.2	
IRON	EPA 200.7	TOTAL RESIDUAL CHLORINE		SM 4500-CL-G	
LEAD	EPA 200.7	OIL AND GREASE		EPA 413.1	
LEAD	EPA 239.2	TOTAL PHENOLICS		EPA 420.1	
MANGANESE	EPA 200.7	VOLATILE HALOCARBONS		EPA 624	
MERCURY	EPA 245.1	VOLATILE AROMATICS		EPA 624	
MOLYBDENUM	EPA 200.7	CHLORDANE		EPA 608	
NICKEL	EPA 200.7	ALDRIN		EPA 608	
SELENIUM	EPA 200.7	DIELDRIN		EPA 608	
SELENIUM	EPA 270.2	DDD		EPA 608	
SILVER	EPA 200.7	DDT		EPA 608	
STRONTIUM	EPA 200.7	HEPTACHLOR		EPA 608	
THALLIUM	EPA 200.7	HEPTACHLOR EPOXIDE		EPA 608	
THALLIUM	EPA 279.2	POLYCHLORINATED BIPHENYLS (WATER)		EPA 608	
ZINC	EPA 200.7	POLYCHLORINATED BIPHENYLS (OIL)		EPA 600/4-81-045	
PH	EPA 150.1				
SPECIFIC CONDUCTIVITY	EPA 120.1				
TOTAL DISSOLVED SOLIDS	EPA 160.1				
TOTAL HARDNESS (CaCO3)	EPA 200.7				
CALCIUM	EPA 200.7				
MAGNESIUM	EPA 200.7				
SODIUM	EPA 200.7				
POTASSIUM	EPA 200.7				
TOTAL ALKALINITY	EPA 310.1				
CHLORIDE	EPA 325.3				
CHLORIDE	EPA 300.0				
FLUORIDE	EPA 340.2				
FLUORIDE	EPA 300.0				
SULFATE	EPA 375.4				
SULFATE	EPA 300.0				
AMMONIA-N	EPA 350.2				
NITRATE-N	EPA 300.0				

COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Certified Parameter List as of: 01 JUL 2001

M-NH012 AMRO ENVIRONMENTAL LAB  
MERRIMACK NH

POTABLE WATER (CHEMISTRY)

Effective  
Date

01 JUL 2001

Expiration 30 JUN 2002  
Date

Analytes and Methods

ANTIMONY	EPA 200.9
ARSENIC	EPA 200.7
ARSENIC	EPA 200.9
BARIUM	EPA 200.7
BERYLLIUM	EPA 200.7
CADMIUM	EPA 200.7
CHROMIUM	EPA 200.7
COPPER	EPA 200.7
LEAD	EPA 200.9
MERCURY	EPA 245.1
NICKEL	EPA 200.7
SELENIUM	EPA 200.9
THALLIUM	EPA 200.9
NITRATE-N	EPA 353.2
NITRITE-N	EPA 353.2
FLUORIDE	EPA 300.0
FLUORIDE	SM 4500-F-E
SULFATE	EPA 300.0
CYANIDE	SM 4500-CN-C,E
TURBIDITY	EPA 180.1
RESIDUAL FREE CHLORINE	SM 4500-CL-G
CALCIUM	EPA 200.7
TOTAL DISSOLVED SOLIDS	SM 2540C
PH	EPA 150.1
1,2-DIBROMOETHANE	EPA 504.1
1,2-DIBROMO-3-CHLOROPROPANE	EPA 504.1



## **APPENDIX 18**

### **Lot 9 Backfill Analytical Data**

**AMRO Environmental Laboratories Corp.**

Date: 16-Oct-00

**CLIENT:** COASTAL Environmental Corporation  
**Project:** Devins Landfill Project  
**Lab Order:** 0010034  
**Date Received:** 10/4/00

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Collection Date
0010034-01A	Lunenburg Pit (Clay Fill)	10/4/00
0010034-01B	Lunenburg Pit (Clay Fill)	10/4/00
0010034-01C	Lunenburg Pit (Clay Fill)	10/4/00
0010034-01D	Lunenburg Pit (Clay Fill)	10/4/00

BACKFILL BORROW SOURCE ASSESSMENT  
SAMPLE RESULTS

# AMRO Environmental Laboratories Corp.

Date: 16-Oct-00

CLIENT: COASTAL Environmental Corporation  
 Lab Order: 0010034  
 Project: Devins Landfill Project  
 Lab ID: 0010034-01A

Client Sample ID: Lunenburg Pt. (Clay Fill)  
 Collection Date: 10/4/00  
 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>MERCURY, TCLP</b>		<b>SW7470</b>				Analyst: GM
Mercury	ND	0.00020		mg/L	1	10/11/00
<b>ICP METALS, TCLP LEACHED</b>		<b>SW1311/6010B</b>				Analyst: RK
Arsenic	ND	1.0		mg/L	1	10/10/00 12:39:18 PM
Barium	ND	2.0		mg/L	1	10/10/00 12:39:18 PM
Cadmium	ND	0.10		mg/L	1	10/10/00 12:39:18 PM
Chromium	ND	0.10		mg/L	1	10/10/00 12:39:18 PM
Lead	ND	1.0		mg/L	1	10/10/00 12:39:18 PM
Selenium	ND	0.58		mg/L	1	10/10/00 12:39:18 PM
Silver	ND	0.10		mg/L	1	10/10/00 12:39:18 PM

## Qualifiers:

ND - Not Detected at the Reporting Limit

L - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

H - Value above quantitation range

# - See Case Narrative

**AMRO Environmental Laboratories Corp.**

Date: 16-Oct-00

**CLIENT:** COASTAL Environmental Corporation**Client Sample ID:** Lunenburg Pit (Clay Fill)**Lab Order:** 0010034**Project:** Devins Landfill Project**Collection Date:** 10/4/00**Lab ID:** 0010034-01B**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE	D2216					Analyst: CH
Percent Moisture	7.5	0		wt%	1	10/9/00

**Qualifiers:**

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

= - See Case Narrative

RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate.



# AMRO Environmental Laboratories Corp.

Date: 16-Oct-06

CLIENT: COASTAL Environmental Corporation  
 Lab Order: 0010034  
 Project: Devins Landfill Project  
 Lab ID: 0010034-01D

Client Sample ID: Lunenburg Pit (Clay Fill)  
 Collection Date: 10/4/00  
 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
VOLATILES, TCLP LEACHED		SW1311/8260B				Analyst: JSL
1,1-Dichloroethene	ND	0.020		mg/L	10	10/11/00 5:20:00 PM
1,2-Dichloroethane	ND	0.020		mg/L	10	10/11/00 5:20:00 PM
1,4-Dichlorobenzene	ND	0.020		mg/L	10	10/11/00 5:20:00 PM
2-Butanone	ND	0.10		mg/L	10	10/11/00 5:20:00 PM
Benzene	ND	0.020		mg/L	10	10/11/00 5:20:00 PM
Carbon tetrachloride	ND	0.020		mg/L	10	10/11/00 5:20:00 PM
Chlorobenzene	ND	0.020		mg/L	10	10/11/00 5:20:00 PM
Chloroform	ND	0.020		mg/L	10	10/11/00 5:20:00 PM
Tetrachloroethene	ND	0.020		mg/L	10	10/11/00 5:20:00 PM
Trichloroethene	ND	0.020		mg/L	10	10/11/00 5:20:00 PM
Vinyl chloride	ND	0.020		mg/L	10	10/11/00 5:20:00 PM
Sum: 1,2-Dichloroethane-d4	81.4	37.123	S	%REC	10	10/11/00 5:20:00 PM
Sum: 4-Bromofluorobenzene	94.0	72.103		%REC	10	10/11/00 5:20:00 PM
Sum: Dibromofluoromethane	88.5	93.120	S	%REC	10	10/11/00 5:20:00 PM
Sum: Toluene-d8	94.7	93.108		%REC	10	10/11/00 5:20:00 PM

## Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 16-Oct-00

CLIENT: COASTAL Environmental Corporation  
 Lab Order: 0010034  
 Project: Devins Landfill Project  
 Lab ID: 0010034-01C

Client Sample ID: Lunenburg Pit (Clay Fill)  
 Collection Date: 10/4/00  
 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
GASOLINE RANGE ORGANICS (MODIFIED 8260B SW8280B)						Analyst: LN
Gasoline Range Organics	ND	1.7		mg/Kg-dry	1	10/9/00 8:02:00 PM
Surr. Dibromofluoromethane	121	66-121		%REC	1	10/9/00 8:02:00 PM
Surr. 1,2-Dichloroethane-d4	133	84-125	S	%REC	1	10/9/00 8:02:00 PM
Surr. Toluene-d8	117	67-124		%REC	1	10/9/00 8:02:00 PM
Surr. 4-Bromofluorobenzene	114	52-119		%REC	1	10/9/00 8:02:00 PM

Qualifiers:  
 ND - Not Detected at the Reporting Limit  
 J - Analyte detected below quantitation limits  
 B - Analyte detected in the associated Method Blank  
 \* - Value exceeds Maximum Contaminant Level  
 RL - Reporting Limit: defined as the lowest concentration the laboratory can accurately quantitate

S - Spike Recovery outside accepted recovery limits  
 R - RPD outside accepted recovery limits  
 E - Value above quantitation range  
 # - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 16-Oct-00

CLIENT: COASTAL Environmental Corporation

Client Sample ID: Lunenburg Pit (Clay Fill)

Lab Order: 0010034

Project: Devins Landfill Project

Collection Date: 10/4/00

Lab ID: 0010034-01D

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>SEMIVOLATILES, TCLP LEACHED</b>		<b>SW1311/8270C</b>				<b>Analyst: KD</b>
Pyridine	ND	0.080		mg/L	1	10/11/00 11:56:00 AM
1,4-Dichlorobenzene	ND	0.040		mg/L	1	10/11/00 11:56:00 AM
Hexachloroethane	ND	0.040		mg/L	1	10/11/00 11:56:00 AM
Nitrobenzene	ND	0.040		mg/L	1	10/11/00 11:56:00 AM
Hexachlorobutadiene	ND	0.040		mg/L	1	10/11/00 11:56:00 AM
2,4,6-Trichlorophenol	ND	0.040		mg/L	1	10/11/00 11:56:00 AM
2,4,5-Trichlorophenol	ND	0.040		mg/L	1	10/11/00 11:56:00 AM
2,4-Dinitrochlorobenzene	ND	0.040		mg/L	1	10/11/00 11:56:00 AM
Hexachlorobenzene	ND	0.040		mg/L	1	10/11/00 11:56:00 AM
Pentachlorophenol	ND	0.080		mg/L	1	10/11/00 11:56:00 AM
Cresols Total	ND	0.040		mg/L	1	10/11/00 11:56:00 AM
Sum: 2-Fluorophenol	44.3	21-74		%REC	1	10/11/00 11:56:00 AM
Sum: Phenol-d5	27.4	15-50		%REC	1	10/11/00 11:56:00 AM
Sum: Nitrobenzene-d5	83.2	35-114		%REC	1	10/11/00 11:56:00 AM
Sum: 2-Fluorobiphenyl	74.5	42-106		%REC	1	10/11/00 11:56:00 AM
Sum: 2,4,6-Tribromophenol	71.5	41-129		%REC	1	10/11/00 11:56:00 AM
Sum: 4-Terphenyl-d14	88.0	35-117		%REC	1	10/11/00 11:56:00 AM

Qualifiers: ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

\* - Value exceeds Maximum Contaminant Level

RL - Reporting Limit, defined as the lowest concentration the laboratory can accurately quantitate

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

# - See Case Narrative

# AMRO Environmental Laboratories Corp.

Date: 16-Oct-00

CLIENT: COASTAL Environmental Corporation  
Lab Order: 0010034  
Project: Devins Landfill Project  
Lab ID: 0010034-01D

Client Sample ID: Lunenburg Plt (Clay Fill)  
Collection Date: 10/4/00  
Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>ORGANOCHLORINE PESTICIDES</b>		<b>SW8081A</b>		<b>Analyst KEM</b>		
alpha-BHC	ND	0.86		µg/Kg-dry	1	10/11/00 5:23:00 PM
beta-BHC	ND	0.86		µg/Kg-dry	1	10/11/00 5:23:00 PM
delta-BHC	ND	0.86		µg/Kg-dry	1	10/11/00 5:23:00 PM
gamma-BHC	ND	0.86		µg/Kg-dry	1	10/11/00 5:23:00 PM
Heptachlor	ND	0.86		µg/Kg-dry	1	10/11/00 5:23:00 PM
Aldrin	ND	0.86		µg/Kg-dry	1	10/11/00 5:23:00 PM
Heptachlor epoxide	ND	0.86		µg/Kg-dry	1	10/11/00 5:23:00 PM
Endosulfan I	ND	0.86		µg/Kg-dry	1	10/11/00 5:23:00 PM
alpha-Chlordane	ND	0.86		µg/Kg-dry	1	10/11/00 5:23:00 PM
gamma-Chlordane	ND	0.86		µg/Kg-dry	1	10/11/00 5:23:00 PM
Dieldrin	ND	1.7		µg/Kg-dry	1	10/11/00 5:23:00 PM
4,4'-DDE	ND	1.7		µg/Kg-dry	1	10/11/00 5:23:00 PM
Endrin	ND	1.7		µg/Kg-dry	1	10/11/00 5:23:00 PM
Endosulfan II	ND	1.7		µg/Kg-dry	1	10/11/00 5:23:00 PM
4,4'-DDD	ND	1.7		µg/Kg-dry	1	10/11/00 5:23:00 PM
Endrin aldehyde	ND	1.7		µg/Kg-dry	1	10/11/00 5:23:00 PM
Endrin ketone	ND	1.7		µg/Kg-dry	1	10/11/00 5:23:00 PM
Endosulfan sulfate	ND	1.7		µg/Kg-dry	1	10/11/00 5:23:00 PM
4,4'-DDT	ND	1.7		µg/Kg-dry	1	10/11/00 5:23:00 PM
Methoxychlor	ND	6.6		µg/Kg-dry	1	10/11/00 5:23:00 PM
Toxaphene	ND	27		µg/Kg-dry	1	10/11/00 5:23:00 PM
Technical Chlordane	ND	27		µg/Kg-dry	1	10/11/00 5:23:00 PM
Sum: Tetrachloro-m-xylene	8.8	50-150		%REC	1	10/11/00 5:23:00 PM
Sum: Decachlorobiphenyl	70.8	41-154		%REC	1	10/11/00 5:23:00 PM

Qualifiers:  
ND - Not Detected at the Reporting Limit  
J - Analyte detected below quantitation limits  
B - Analyte detected in the associated Method Blank  
\* - Value exceeds Maximum Contaminant Level  
RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.

S - Spike Recovery outside accepted recovery limits  
R - RPD outside accepted recovery limits  
E - Value above quantitation range  
# - See Case Narrative



**AMRO Environmental Laboratories Corp.**

Date: 15-Oct-00

**CLIENT:** COASTAL Environmental Corporation**Client Sample ID:** Lumbenburg Pit (Clay Fill)**Lab Order:** 0010034**Project:** Devins Landfill Project**Collection Date:** 10/4/00**Lab ID:** 0010034-01B**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>DIESEL RANGE ORGANICS</b>		<b>SW8015B</b>				<b>Analyst: MM</b>
Diesel Range Organics	ND	54		mg/Kg-dry	1	10/10/00 12:32:00 AM
Surr. p-Terphenyl	94.5	60-140		%REC	1	10/10/00 12:32:00 AM

**Qualifiers:**

ND - Not Detected at the Reporting Limit

S - Spike Recovery outside accepted recovery limits

J - Analyte detected below quantitation limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

E - Value above quantitation range

\* - Value exceeds Maximum Contaminant Level

# - See Case Narrative

RL - Reporting Limit; defined as the lowest concentration the laboratory can accurately quantitate.



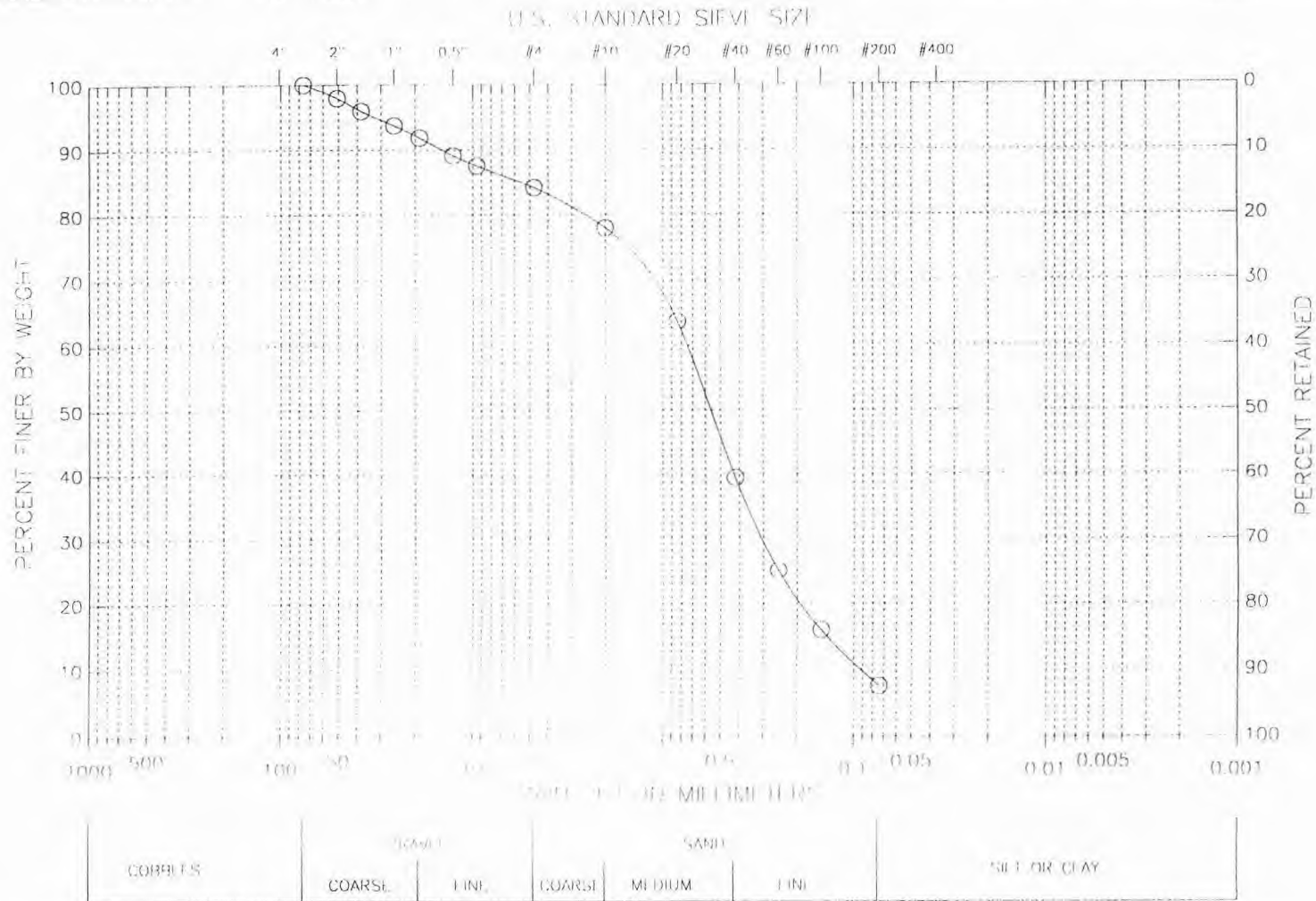
## CHAIN OF CUSTODY

Testing Express  
1145 Mass Avenue, Boxborough, MA.01719  
(978) 635-0424 Fax (978)635-0266

[illegible]

Boring No.:  
 Sample No: DRLP-09-CF1  
 Test Method ASTM D 422  
 Filename: DRLP01

Project: Devens Landfill  
 Project No: GLX 3544  
 Location: Devens, MA  
 Date: Tue Oct 02 2001



Classification :

Visual Description :

Moist, yellowish brown sand

Remarks :

Sample ID: DRLP-AOC-09-CF1

Figure 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Project No. : GTX-3544

Boring No. : ---

Sample No. : DRLP-CF1

Location : Devens, MA

Soil Description : Moist, yellowish brown sand

Remarks : Sample ID; DRLP-AOC-09-CF1

Depth : ---

Test Date : 09/24/01

Test Method : ASTM D 422

Filename : DRLPCF1

Elevation : ---

Tested by : tew

Checked by : jdt

COARSE SIEVE SET					
Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
3"	2.996	76.10	0.00	0.00	100
2"	2.000	50.80	930.00	930.00	98
1.5"	1.500	38.10	914.00	1844.00	96
1"	1.012	25.70	1027.00	2871.00	94
0.75"	0.748	19.00	855.00	3726.00	92
0.5"	0.500	12.70	1254.00	4980.00	89
0.375"	0.374	9.51	723.00	5703.00	88

Total Dry Weight of Sample = 45803

FINE SIEVE SET					
Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
#4	0.187	4.75	10.78	10.78	84
#10	0.079	2.00	20.35	31.13	78
#20	0.033	0.84	46.35	77.48	64
#40	0.017	0.42	78.42	155.90	39
#60	0.010	0.25	46.05	201.95	25
#100	0.006	0.15	29.87	231.82	16
#200	0.003	0.07	27.21	259.03	8
Pan			24.27	283.30	0

Total Dry Weight of Sample = 292.94

D95 : 3.5913 mm

D60 : 0.7585 mm

D50 : 0.5695 mm

D30 : N/A

D15 : N/A

D10 : 0.0911 mm

## Soil Classification

ASTM Group Symbol : N/A

ASTM Group Name : N/A

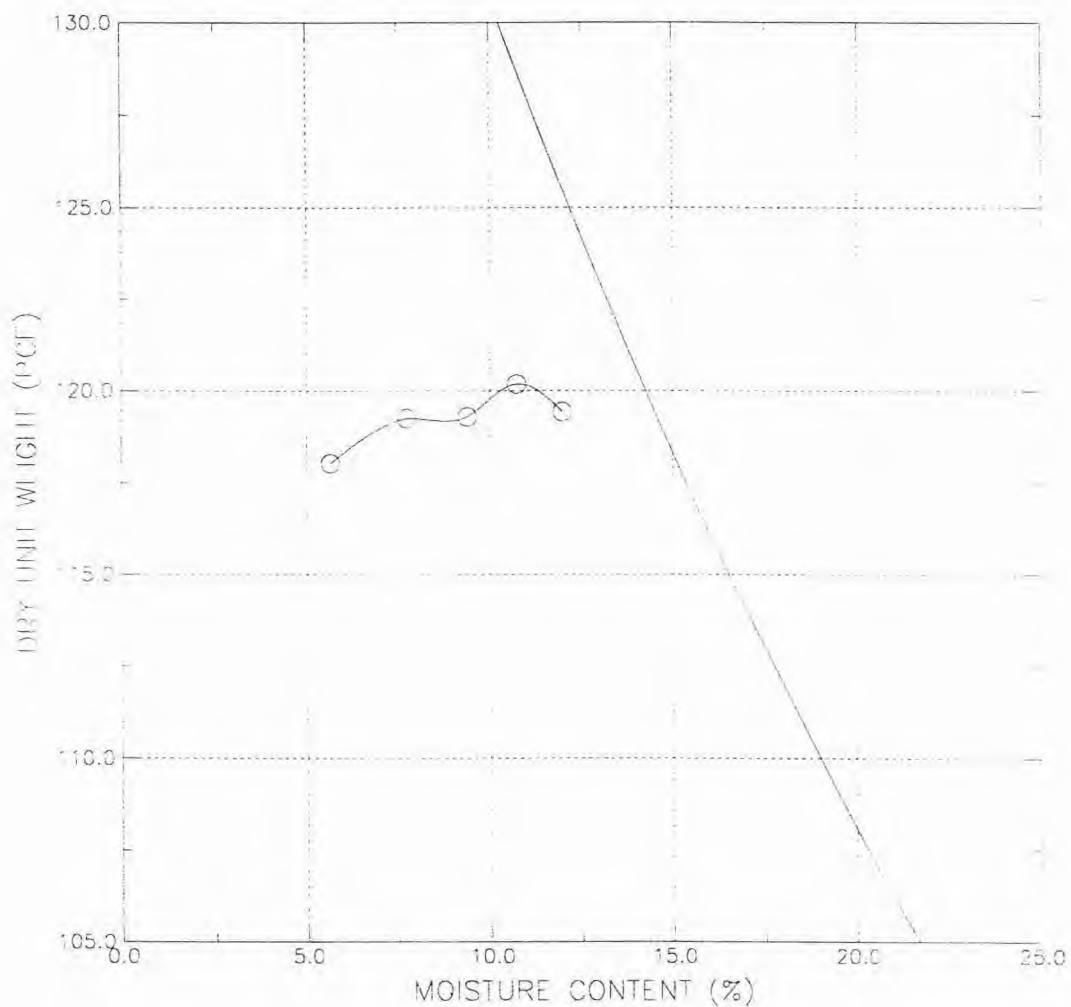
AASHTO Group Symbol : A-1-b(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand



Boring No. : ---	Project : Devens Landfill
Sample No. : DRLP-CF1	Project No. : GX-3544
Test Method : ASTM D 698	Location : Devens, MA
Filename : DRLPCF1	Test Date : 09/24/01

### Moisture-Density Relationship



Sample Description : Moist, yellowish brown sand  
 Compaction Test Designation : ASTM D698-A  
 Maximum Dry Density : 120.2 PCF  
 Optimum Moisture Content : 10.8 %  
 Corrected Maximum Dry Density : 125.4 PCF  
 Corrected Optimum Moisture Content : 9.2%

Figure 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill  
 Project No. : GTX-3544  
 Boring No. : ---  
 Sample No. : DRLP-CF1  
 Location : Devens, MA  
 Soil Description : Moist, yellowish brown sand  
 Remarks : Sample ID; DRLP-AOC-09-CF1

Depth : ---  
 Test Date : 09/24/01  
 Test Method : ASTM D 698

Filename : DRLPCF1  
 Elevation : ---  
 Tested by : tew  
 Checked by : jdt

## COMPACTION TEST

Mold ID :  
 Method Used : ASTM D698-A  
 Volume of Mold : 0.0333 ft<sup>3</sup>  
 Mass of Mold : 4951 gm  
 Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
wolfe	8.27	240.39	227.93	6835.00	5.7	118.0
xa75	9.78	233.98	217.84	6892.00	7.8	119.3
sr47	9.69	254.42	233.42	6922.00	9.4	119.3
k24	9.66	209.68	190.30	6961.00	10.7	120.2
btp3	9.12	213.00	191.20	6971.00	12.0	119.4
Optimum Dry Density		= 120.2 PCF				
Optimum Moisture Content		= 10.8 %				

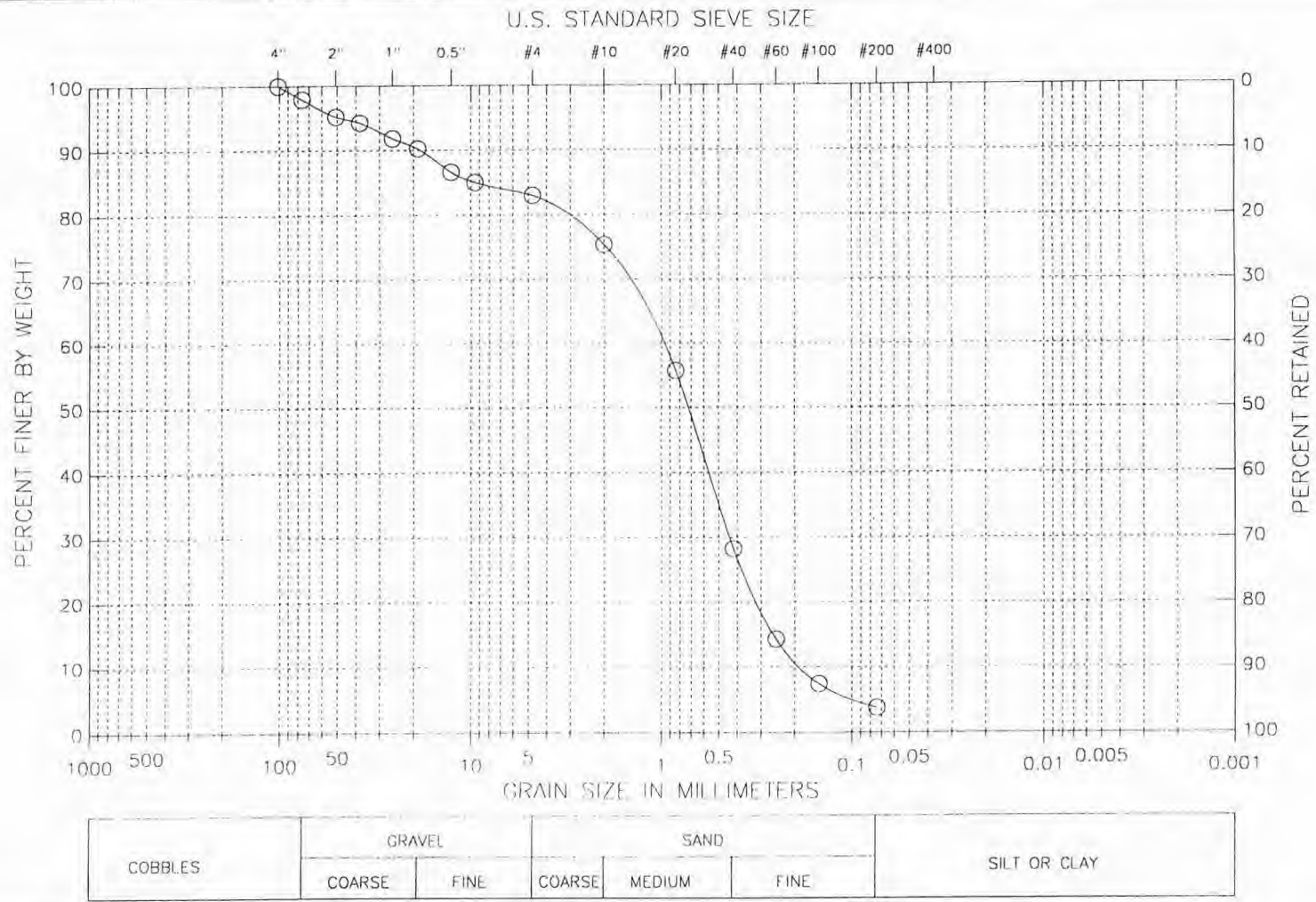
Oversize correction ( 16% > #4 sieve ):

Corrected Maximum Dry Density : 125.4 PCF

Corrected Optimum Moisture Content : 9.2%

Boring No.: ---  
 Sample No.: DRLP-CF2  
 Test Method ASIM D 422  
 Filename : DRLPCI2

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: Devens, MA  
 Date : Tue Oct 02 2001



Classification :  
 (SP) Poorly graded sand with gravel  
 Visual Description :  
 Moist, yellowish brown sand with gravel

Remarks :  
 Sample ID: DRLP-AOC-09-CF2

Figure 2

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill  
 Project No. : GTX-3544  
 Boring No. : ---  
 Sample No. : DRLP-CF2  
 Location : Devens, MA  
 Soil Description : Moist, yellowish brown sand with gravel  
 Remarks : Sample ID; DRLP-AOC-09-CF2

Depth : ---  
 Test Date : 09/24/01  
 Test Method : ASTM D 422

Filename : DRLPCF2  
 Elevation : ---  
 Tested by : tew  
 Checked by : jdt

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
4"	4.000	101.60	0.00	0.00	100
3"	2.996	76.10	994.00	994.00	98
2"	2.000	50.80	1330.00	2324.00	95
1.5"	1.500	38.10	467.00	2791.00	94
1"	1.012	25.70	1197.00	3988.00	92
0.75"	0.748	19.00	760.00	4748.00	90
0.5"	0.500	12.70	1772.00	6520.00	87
0.375"	0.374	9.51	772.00	7292.00	85

Total Dry Weight of Sample = 48691

## FINE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
#4	0.187	4.75	4.63	4.63	83
#10	0.079	2.00	17.52	22.15	75
#20	0.033	0.84	45.34	67.49	56
#40	0.017	0.42	62.95	130.44	28
#60	0.010	0.25	32.09	162.53	14
#100	0.006	0.15	15.81	178.34	7
#200	0.003	0.07	8.40	186.74	4
Pan			8.52	195.26	0

Total Dry Weight of Sample = 203.28

D85 : 9.4320 mm  
 D60 : 1.0185 mm  
 D50 : 0.7291 mm  
 D30 : N/A  
 D15 : N/A  
 D10 : 0.1816 mm

## Soil Classification

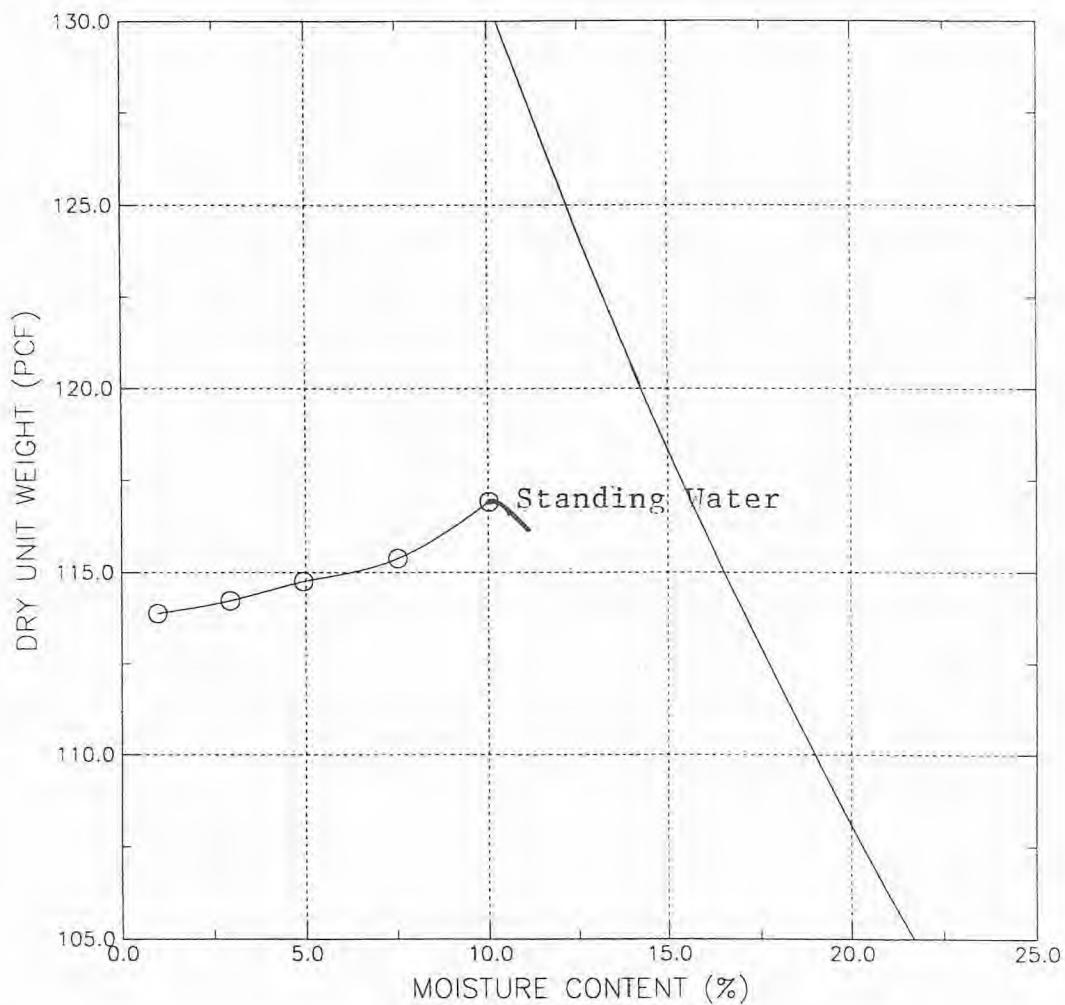
ASTM Group Symbol : SP  
 ASTM Group Name : Poorly graded sand with gravel  
 AASHTO Group Symbol : A-1-b(0)  
 AASHTO Group Name : Stone Fragments, Gravel and Sand



Boring No. : ---  
Sample No. : DRLP-CF2  
Test Method : ASTM D 698  
Filename : DRLPCF2

Project : Devens Landfill  
Project No. : GTX-3544  
Location : Devens, MA  
Test Date : 09/24/01

### Moisture-Density Relationship



Sample Description : Moist, yellowish brown sand with gravel  
Compaction Test Designation : ASTM D698-A  
Maximum Dry Density : 116.9 PCF  
Optimum Moisture Content : 10.0 %

Corrected Maximum Dry Density : 122.7 PCF  
Corrected Optimum Moisture Content : 8.5%

Figure 2

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill  
Project No. : GTX-3544  
Boring No. : ---  
Sample No. : DRLP-CF2  
Location : Devens, MA  
Soil Description : Moist, yellowish brown sand with gravel  
Remarks : Sample ID; DRLP-AOC-09-CF2

Depth : ---  
Test Date : 09/24/01  
Test Method : ASTM D 698

Filename : DRLPCF2  
Elevation : ---  
Tested by : tew  
Checked by : jdt

## COMPACTION TEST

Mold ID :  
Method Used : ASTM D698-A  
Volume of Mold : 0.0333 ft<sup>3</sup>  
Mass of Mold : 5263 gm  
Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
bl60	9.27	200.28	198.42	7000.00	1.0	113.9
mls3	8.08	207.44	201.75	7039.00	2.9	114.2
mop	8.11	207.43	198.04	7082.00	4.9	114.8
guns	8.18	208.35	194.33	7137.00	7.5	115.4
sun	9.67	207.30	189.30	7206.00	10.0	116.9

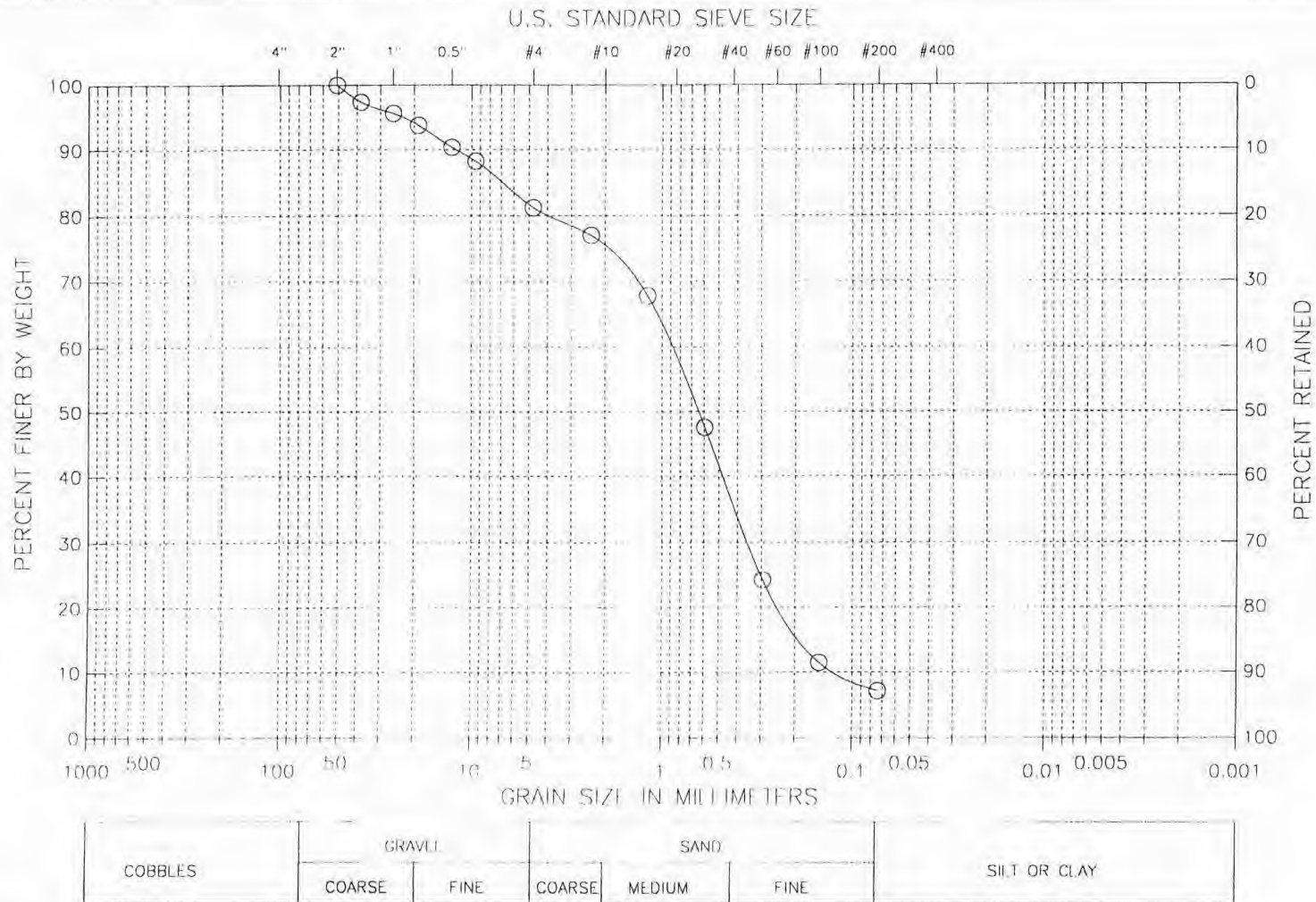
Optimum Dry Density = 116.9 PCF  
Optimum Moisture Content = 10.0 %

Oversize correction ( 17% > #4 sieve ):

Corrected Maximum Dry Density : 122.7 PCF  
Corrected Optimum Moisture Content : 8.5%

Boring No.: DLRP  
 Sample No.: AOC9 CF4  
 Test Method ASTM D 422  
 Filename : AOC9CF4

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: - -  
 Date : Fri May 24 2002



Classification :

Remarks :

Visual Description :

Moist, dark brown sand with silt and gravel

Figure 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Filename : AOC9CF4

Project No. : GTX-3544

Depth : ---

Elevation : ---

Boring No. : DLRP

Test Date : 05/20/02

Tested by : jlg

Sample No. : AOC9-CF4

Test Method : ASTM D 422

Checked by : jdt

Location : ---

Soil Description : Moist, dark brown sand with silt and gravel

Remarks : ---

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
2"	2.000	50.80	0.00	0.00	100
1.5"	1.500	38.10	474.00	474.00	97
1"	1.012	25.70	314.00	788.00	96
0.75"	0.748	19.00	329.00	1117.00	94
0.5"	0.500	12.70	615.00	1732.00	90
0.375"	0.374	9.51	383.00	2115.00	88
#4	0.187	4.75	1259.00	3374.00	81

Total Dry Weight of Sample = 17965

## FINE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
#8	0.093	2.36	21.71	21.71	77
#16	0.047	1.19	47.93	69.64	68
#30	0.023	0.60	104.63	174.27	48
#50	0.012	0.30	120.84	295.11	24
#100	0.006	0.15	65.68	360.79	11
#200	0.003	0.07	22.58	383.37	7
Pan			36.78	420.15	0

Total Dry Weight of Sample = 428.24

D85 : 6.9080 mm

D60 : 0.9122 mm

D50 : 0.6475 mm

D30 : 0.3514 mm

D15 : 0.1801 mm

D10 : 0.1176 mm

## Soil Classification

ASTM Group Symbol : N/A

ASTM Group Name : N/A

AASHTO Group Symbol : A-1-a(0)

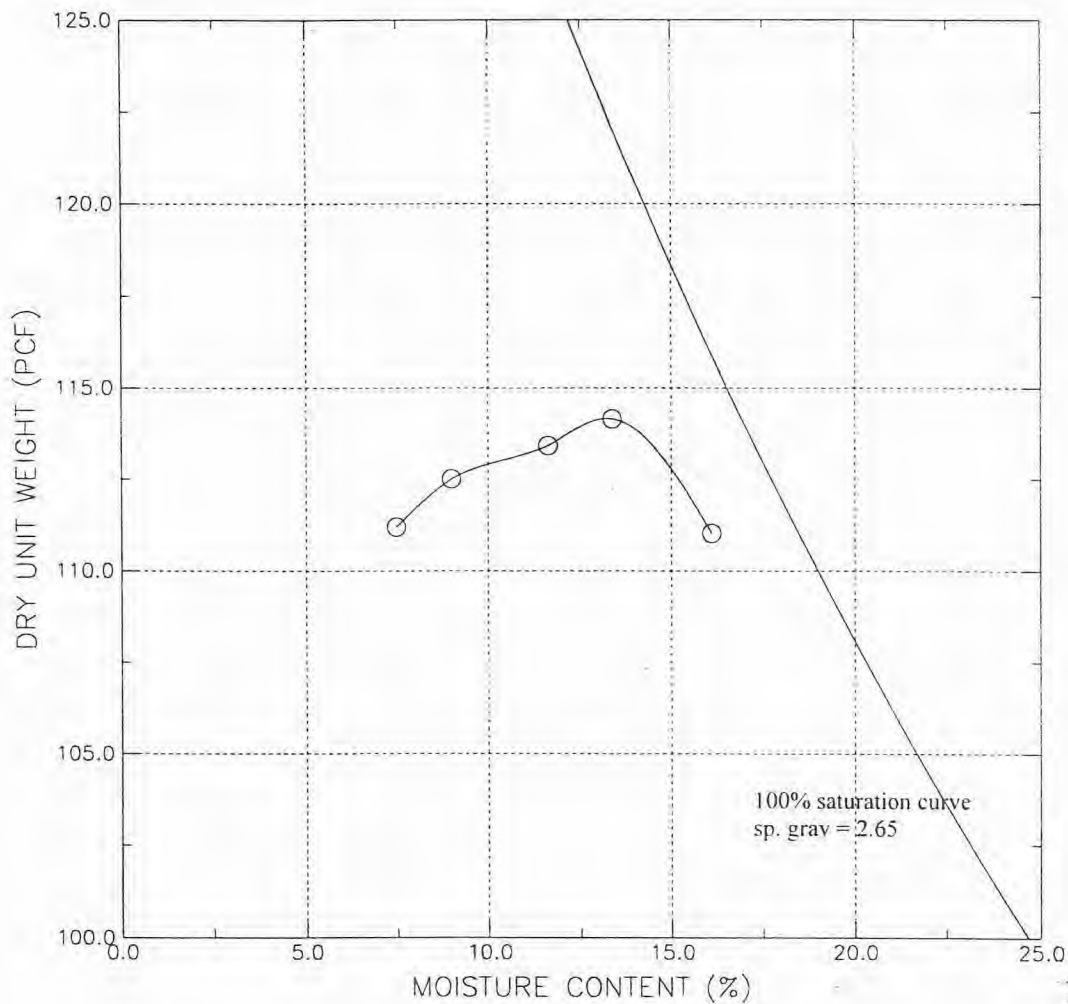
AASHTO Group Name : Stone Fragments, Gravel and Sand



Boring No. : DLRP  
Sample No. : AOC9-CF4  
Test Method : ASTM D 698  
Filename : AOC9CF4

Project : Devens Landfill  
Project No. : GTX-3544  
Location : ---  
Test Date : 05/20/02

### Moisture-Density Relationship



Sample Description : Moist, dark brown sand with silt and gravel  
Compaction Test Designation : ASTM D698-A  
Maximum Dry Density : 114.2 PCF  
Optimum Moisture Content : 13.2 %  
Corrected Maximum Dry Density : 120.7 PCF  
Corrected Optimum Moisture Content : 10.9%

Figure 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Project No. : GTX-3544

Boring No. : DLRP

Sample No. : AOC9-CF4

Location : ---

Soil Description : Moist, dark brown sand with silt and gravel

Remarks : ---

Depth : ---

Test Date : 05/20/02

Test Method : ASTM D 698

Filename : AOC9CF4

Elevation : ---

Tested by : jlg

Checked by : jdt

## COMPACTION TEST

Mold ID :

Method Used : ASTM D698-A

Volume of Mold : 0.0333 ft<sup>3</sup>

Mass of Mold : 5264 gm

Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
twit	8.01	232.49	216.88	7069.00	7.5	111.2
ecoenv	8.31	245.98	226.39	7116.00	9.0	112.5
jolly	8.17	255.14	229.45	7176.00	11.6	113.4
bubba3	8.18	259.90	230.18	7219.00	13.4	114.1
bibba5	8.18	253.86	219.78	7211.00	16.1	111.0

Optimum Dry Density = 114.2 PCF

Optimum Moisture Content = 13.2 %

Oversize correction ( 19% &gt; No. 4 sieve ):

Corrected Maximum Dry Density

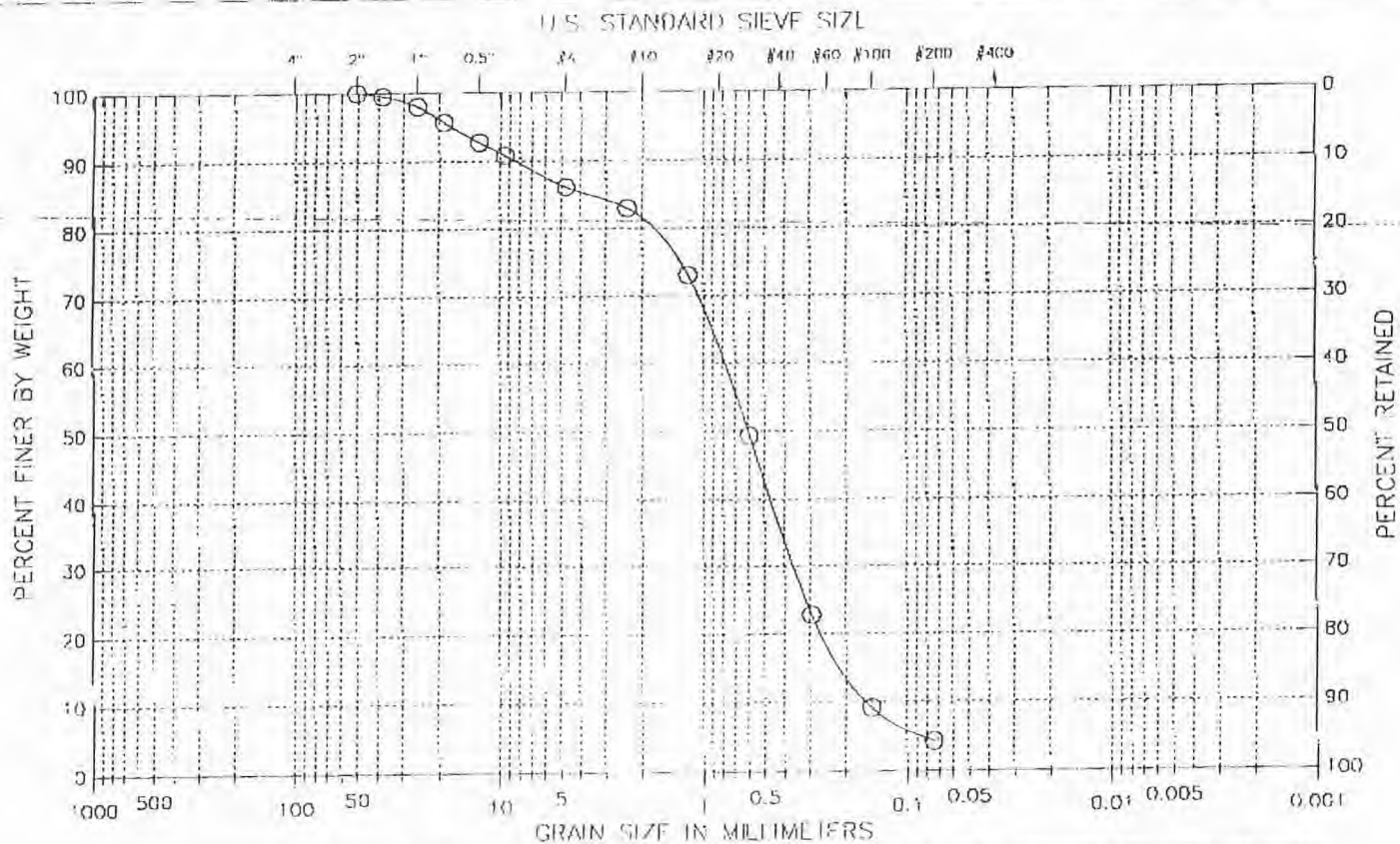
Corrected Optimum Moisture Content

: 120.7 PCF

: 10.9%

Boring No.: DLRP  
 Sample No.: AOC9-CF5  
 Test Method ASTM D 422  
 Filename : AOC9CF5

Project No.: GTX-3544  
 Location: - -  
 Date : Tue Jun 11 2002



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :  
 (SP) Poorly graded sand  
 Visual Description :  
 Moist, dark brown sand

Remarks :

Figure 1

Tue Jun 11 15:34:46 2002

Page : 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Project No. : GTX-3544

Boring No. : DLRP

Sample No. : AOC9-CF5

Location : ---

Soil Description : Moist, dark brown sand

Remarks : ---

Depth : ---

Test Date : 06/06/02

Test Method : ASTM D 422

Filename : AOC9CF5

Elevation : ---

Tested by : sfp/cmt

Checked by : jdr

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
2"	2.000	50.80	0.00	0.00	100
1.5"	1.500	38.10	81.70	81.70	100
1"	1.012	25.70	247.40	329.10	95
0.75"	0.748	19.00	385.20	714.30	96
0.5"	0.500	12.70	491.70	1206.00	91
0.375"	0.374	9.51	315.00	1521.00	91
#4	0.187	4.75	782.00	2303.00	86

Total Dry Weight of Sample = 16614

## FINE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
#2	0.092	2.36	9.74	9.74	63
#16	0.047	1.19	30.48	40.22	71
	0.023	0.60	72.97	113.19	45
	0.012	0.30	81.67	194.86	23
	0.006	0.16	41.96	236.82	9
#20	0.003	0.07	14.99	251.81	4
Pan			13.04	264.85	0

Total Dry Weight of Sample = 273.09

D85 : 3.6944 mm

D60 : 0.8127 mm

D50 : 0.6055 mm

D30 : 0.3571 mm

D15 : 0.2000 mm

D10 : 0.1557 mm

## Soil Classification

ASTM Group Symbol : SP

ASTM Group Name : Poorly graded sand

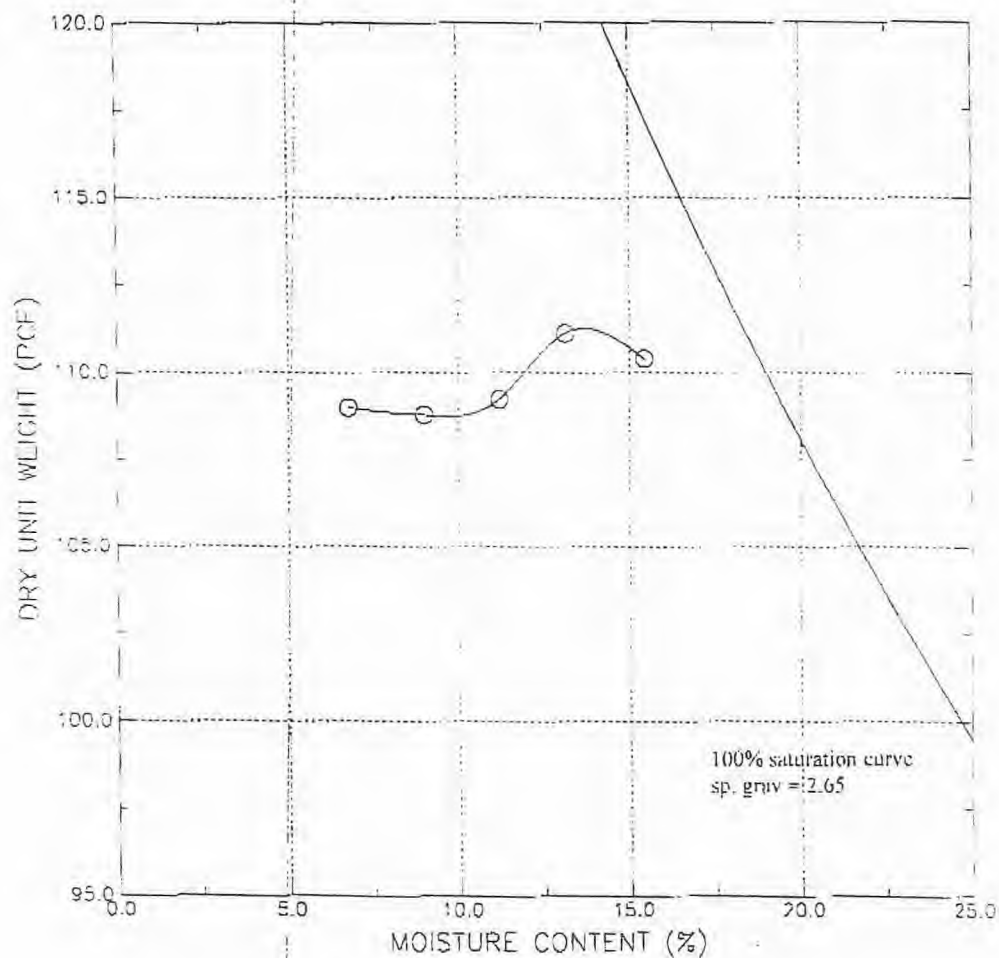
AASHTO Group Symbol : A-1-a(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand



Boring No. : DLRP	Project : Devens Landfill
Sample No. : AOC9-CF5	Project No. : GTX-3544
Test Method : ASTM D 698	Location : ---
Filename : AOC9CF5	Test Date : 06/06/07

## Moisture-Density Relationship



Sample Description	: Moist, dark brown sand
Compaction Test Designation	: ASTM D698-A
Maximum Dry Density	: 111.3 PCF
Optimum Moisture Content	: 13.7 %
Corrected Maximum Dry Density	: 116.3 PCF
Corrected Optimum Moisture Content	: 11.9%

Figure 1

Tue Jun 11 15:36:03 2002

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## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill  
 Project No. : GTX-3544  
 Boring No. : DLRP  
 Sample No. : AOC9-CF5  
 Location : ---  
 Soil Description : Moist, dark brown sand  
 Remarks : ---

Filename : AOC9CF5  
 Elevation : ---  
 Tested by : syp/ome  
 Checked by : jdt

Depth : ---  
 Test Date : 06/06/02  
 Test Method : ASTM D 698

## COMPACTION TEST

Mold ID :  
 Method Used : ASTM D698-A  
 Volume of Mold : 0.0333 ft<sup>3</sup>  
 Mass of Mold : 4332 gm  
 Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
mb26a	8.18	306.41	287.50	6090.00	6.8	109.0
timmy	8.23	371.24	341.33	6122.00	9.0	108.8
stan	8.18	302.06	272.44	6167.00	11.2	109.2
sc5	8.14	303.50	269.21	6231.00	13.1	111.1
cp7	8.43	446.31	367.74	6257.00	15.4	110.4

Optimum Dry Density = 111.3 PCF  
 Optimum Moisture Content = 13.7 %

rsize correction ( 14% > No. 4 sieve ):

Corrected Maximum Dry Density : 116.3 PCF  
 Corrected Optimum Moisture Content : 11.9%

**AOC-9 Field Compaction Testing**

Test ID	Date	Location	Coordinates (NAD83) Northing	Coordinates (NAD83) Easting	Elevation (Feet)	Compaction, %	Moisture Content, %	Dry Density, pcf	Pass/Fail (P/F)	Comments
CT-9-001	10-Oct-02	AOC-9	3030208.0159	624905.3494	214.00	97.4	4.3	122.2	P	
CT-9-002	10-Oct-02	AOC-9	3030246.8015	624941.7304	212.83	98.3	4.4	123.3	P	
CT-9-003	10-Oct-02	AOC-9	3030276.3933	624994.3583	211.70	101.7	5.8	127.6	P	
CT-9-004	10-Oct-02	AOC-9	3030343.9814	625037.9765	213.08	93.9	4.2	117.8	P	
CT-9-005	10-Oct-02	AOC-9	3030394.3939	625082.0252	212.50	100.0	3.1	125.5	P	
CT-9-006	10-Oct-02	AOC-9	3030450.6723	625150.4052	211.89	100.0	3.9	125.3	P	
CT-9-007	10-Oct-02	AOC-9	3030485.5920	625232.4987	210.00	97.7	5.2	122.6	P	
CT-9-008	10-Oct-02	AOC-9	3030480.8634	625115.2877	213.17	100.2	2.6	125.7	P	
CT-9-009	10-Oct-02	AOC-9	3030416.9861	625036.0083	213.48	97.3	3.8	122.0	P	
CT-9-010	10-Oct-02	AOC-9	3030342.4068	624980.5070	214.21	99.0	5.9	124.2	P	
CT-9-011	10-Oct-02	AOC-9	3031263.3309	625214.7529	214.71	92.5	10.4	118.8	P	
CT-9-012	10-Oct-02	AOC-9	3031422.3268	625065.4302	213.76	99.2	4.2	127.4	P	
CT-9-013	10-Oct-02	AOC-9	3031335.9746	625099.0940	214.93	96.8	8.6	124.4	P	
CT-9-014	10-Oct-02	AOC-9	3031207.7008	625229.8647	215.32	91.3	7.6	117.3	P	
CT-9-015	10-Oct-02	AOC-9	3031112.6087	625241.1004	214.23	90.1	7.9	113.0	P	
CT-9-016	10-Oct-02	AOC-9	3031027.4994	625258.0064	213.50	92.4	8.1	125.1	P	
CT-9-017	10-Oct-02	AOC-9	3030847.8765	625223.7440	212.05	99.7	6.0	125.0	P	
CT-9-018	10-Oct-02	AOC-9	3030746.2631	625240.1974	211.38	100.1	3.9	125.6	P	
CT-9-019	10-Oct-02	AOC-9	3030723.5396	625286.0637	210.86	102.5	3.9	126.6	P	
CT-9-020	10-Oct-02	AOC-9	3030798.0306	625295.5721	210.76	98.5	4.4	123.5	P	
CT-9-021	10-Oct-02	AOC-9	3030787.5095	625374.8772	211.26	102.2	4.0	123.2	P	
CT-9-022	10-Oct-02	AOC-9	3030865.6394	625277.7739	212.51	99.7	5.7	123.2	P	
CT-9-023	10-Oct-02	AOC-9	3030885.6394	625293.7739	211.12	100.1	4.7	126.6	P	
CT-9-024	17-Oct-02	AOC-9	3030401.6402	625141.0674	211.98	91.9	5.2	122.0	P	
CT-9-025	17-Oct-02	AOC-9	3030470.6707	625193.8458	211.34	94.5	8.2	125.4	P	
CT-9-026	17-Oct-02	AOC-9	3030449.3871	625114.2836	212.407	97.4	3.7	129.2	P	
CT-9-027	17-Oct-02	AOC-9	3030560.5798	625282.4466	212.284	91.8	4.4	117.5	P	
CT-9-028	17-Oct-02	AOC-9	3031457.3882	624987.3933	218.515	92.2	6.7	115.6	P	
CT-9-029	17-Oct-02	AOC-9	3031358.8057	625099.9495	215.632	92.8	11.9	116.4	P	

## AOC-9 Field Reliability Testing

[illegible]



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## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:** Various

**Project #:** GTX-3544  
**Date:** 10/10/2002  
**Weather:** Cloudy, 60F  
**Page:** 1 of 2

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	CF-1	CONC-02			
Corrected Maximum Dry Density, pcf	125.4	128.4			
Corrected Optimum Moisture Content, %	9.2	9.6			

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	AOC-9	4.3	122.2	97.4	CF-1	
2	AOC-9	4.4	123.3	98.3	CF-1	
3	AOC-9	5.8	127.6	102	CF-1	
4	AOC-9	4.2	117.8	93.9	CF-1	
5	AOC-9	3.1	125.5	100	CF-1	
6	AOC-9	3.9	125.3	99.9	CF-1	
7	AOC-9	5.2	122.6	97.8	CF-1	
8	AOC-9	2.6	125.7	100	CF-1	
9	AOC-9	3.8	122.0	97.3	CF-1	
10	AOC-9	5.9	124.2	99.0	CF-1	
11	AOC-9	10.4	118.8	92.5	CONC-02	
12	AOC-9	4.2	127.4	99.2	CONC-02	
13	AOC-9	8.6	124.4	96.9	CONC-02	
14	AOC-9	7.6	117.3	91.4	CONC-02	
15	AOC-9	8.0	113.0	90.1	CF-1	

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman	---

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 8:00 AM  
 Off-Site: 12:00 PM

Mileage: 24 miles  
 Travel Time: 0.5 hours

## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:** Various

**Project #:** GTX-3544  
**Date:** 10/10/2002  
**Weather:** Cloudy, 60F  
**Page:** 2 of 2

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	CF-1	CONC-02			
Corrected Maximum Dry Density, pcf	125.4	128.4			
Corrected Optimum Moisture Content, %	9.2	9.6			

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
16	AOC-9	8.1	125.1	97.4	CONC-02	
17	AOC-9	6.0	125.0	99.7	CF-1	
18	AOC-9	3.9	125.6	100	CF-1	
19	AOC-9	3.9	128.6	103	CF-1	
20	AOC-9	4.4	123.5	98.5	CF-1	
21	AOC-9	4.0	128.2	102	CF-1	
22	AOC-9	5.7	125.0	99.7	CF-1	
23	AOC-9	4.7	126.6	101	CF-1	

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman	---

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 8:00 AM  
 Off-Site: 12:00 PM

Mileage: 24 miles  
 Travel Time: 0.5 hours

## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:** Various

**Project #:** GTX-3544  
**Date:** 10/10/2002  
**Weather:** Cloudy, 60F  
**Page:** 1 of 2

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	CF-1	CF-7	CF-8		
Corrected Maximum Dry Density, pcf	125.4	132.7	127.8		
Corrected Optimum Moisture Content, %	9.2	6.4	7.2		

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	AOC-9	5.2	122.0	91.9	CF-7	
2	AOC-9	8.2	125.4	94.5	CF-7	
3	AOC-9	3.7	129.2	97.4	CF-7	
4	AOC-9	4.4	117.5	91.9	CF-8	
5	AOC-9	6.7	115.6	92.2	CF-1	
6	AOC-9	11.9	116.4	92.8	CF-1	
7	AOC-9	7.8	119.3	95.1	CF-1	
8	AOC-9	7.9	123.8	93.3	CF-7	
9	AOC-9	4.5	119.2	89.8	CF-7	

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Seaman	---

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Craig Paradis

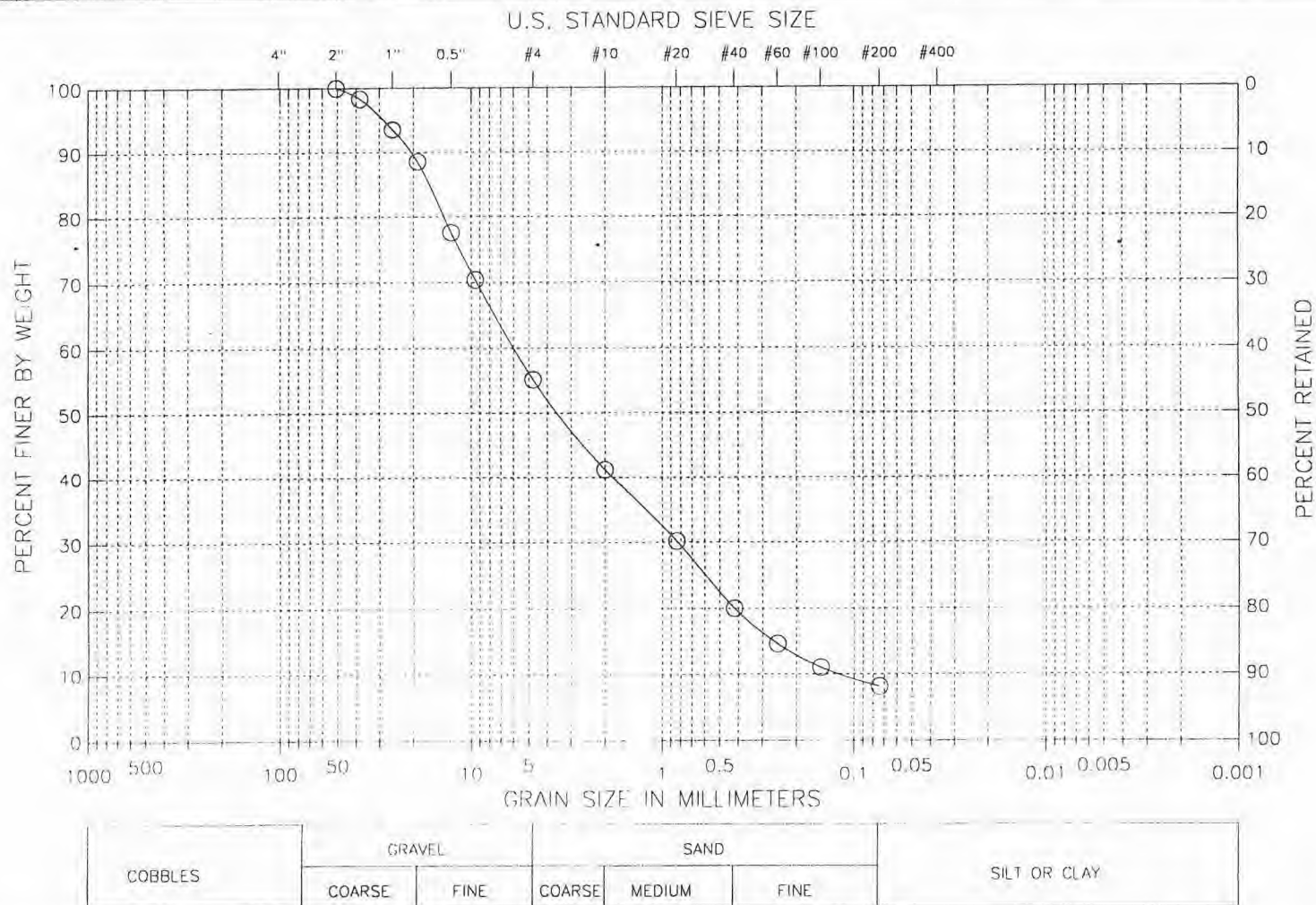
On-Site: 1:00 PM  
 Off-Site: 3:00 PM

Mileage: 24 miles  
 Travel Time: 0.5 hours



Boring No. : ---  
 Sample No.: DLRP-CONC-02  
 Test Method ASTM D 422  
 Filename : DLRPCON2

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: ---  
 Date : Wed Oct 02 2002



Classification :  
 (SP-SM) Poorly graded sand with silt and gravel  
 Visual Description :  
 Moist, dark brown sand with silt and gravel

Remarks :

Figure 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Project No. : GTX-3544

Boring No. : ---

Sample No. : DLRP-CONC-02

Location : ---

Soil Description : Moist, dark brown sand with silt and gravel

Remarks :

Depth : ---

Test Date : 09/30/02

Test Method : ASTM D 422

Filename : DLRPCON2

Elevation : ---

Tested by : sn

Checked by : jdt

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
2"	2.000	50.80	0.00	0.00	100
1.5"	1.500	38.10	416.00	416.00	98
1"	1.012	25.70	1222.00	1638.00	94
0.75"	0.748	19.00	1283.00	2921.00	89
0.5"	0.500	12.70	2825.00	5746.00	78
0.375"	0.374	9.51	1821.00	7567.00	70

Total Dry Weight of Sample = 25544

## FINE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
#4	0.187	4.75	76.10	76.10	55
#10	0.079	2.00	69.86	145.96	41
#20	0.033	0.84	55.18	201.14	30
#40	0.017	0.42	50.60	251.74	20
#60	0.010	0.25	27.12	278.86	15
#100	0.006	0.15	18.05	296.91	11
#200	0.003	0.07	14.41	311.32	8
Pan			40.50	351.82	0

Total Dry Weight of Sample = 360.08

D85 : 16.6863 mm

D60 : 5.9248 mm

D50 : 3.4526 mm

D30 : 0.8329 mm

D15 : 0.2599 mm

D10 : 0.1173 mm

## Soil Classification

ASTM Group Symbol : SP-SM

ASTM Group Name : Poorly graded sand with silt and gravel

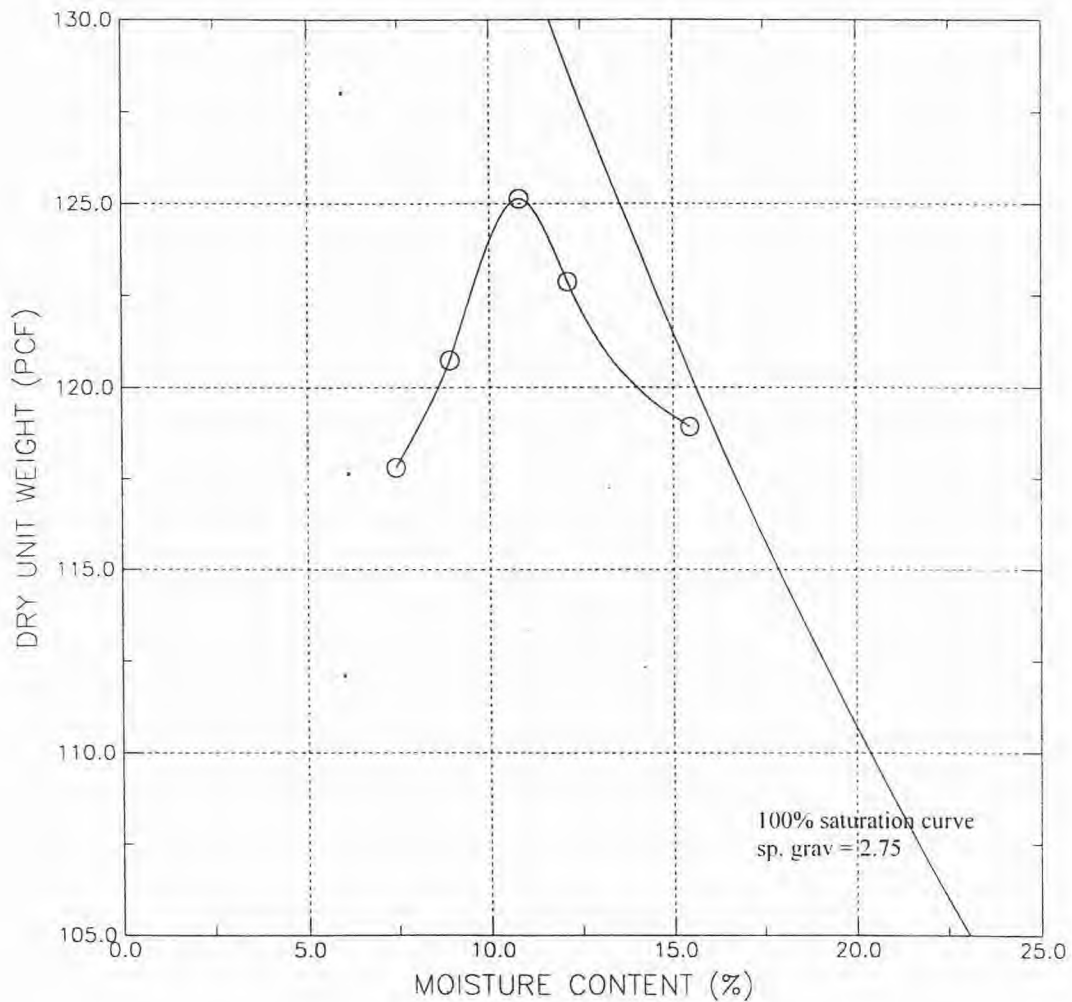
AASHTO Group Symbol : A-1-a(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand

Boring No. : DLRP  
Sample No. : CONC-02  
Test Method : ASTM D 1557  
Filename : DLRPCON2

Project : Devens Landfill  
Project No. : GTX-3544  
Location : ---  
Test Date : 09/30/02

### Moisture-Density Relationship



Sample Description : Moist, dark brown sand with silt and gravel  
Compaction Test Designation : ASTM D1557-C  
Maximum Dry Density : 125.1 PCF  
Optimum Moisture Content : 10.8 %

Corrected Maximum Dry Density : 128.4 PCF  
Corrected Optimum Moisture Content : 9.6%

Figure 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Filename : DLRPCON2

Project No. : GTX-3544

Depth : ---

Elevation : ---

Boring No. : DLRP

Test Date : 09/30/02

Tested by : sn

Sample No. : CONC-02

Test Method : ASTM D 1557

Checked by : jdt

Location : ---

Soil Description : Moist, dark brown sand with silt and gravel

Remarks :

## COMPACTION TEST

Mold ID :

Method Used : ASTM D1557-C

Volume of Mold : 0.075 ft<sup>3</sup>

Mass of Mold : 6271 gm

Specific Gravity : 2.75

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
leg	8.23	416.08	387.82	10577.00	7.4	117.8
ed	8.34	385.25	354.36	10745.00	8.9	120.7
gt2	8.14	436.01	394.28	10988.00	10.8	125.1
wjm7	8.13	422.44	377.61	10958.00	12.1	122.9
ch2	8.04	483.82	420.12	10942.00	15.5	118.9
Optimum Dry Density = 125.1 PCF						
Optimum Moisture Content = 10.8 %						

Oversize correction ( 11% &gt; 3/4 inch sieve ):

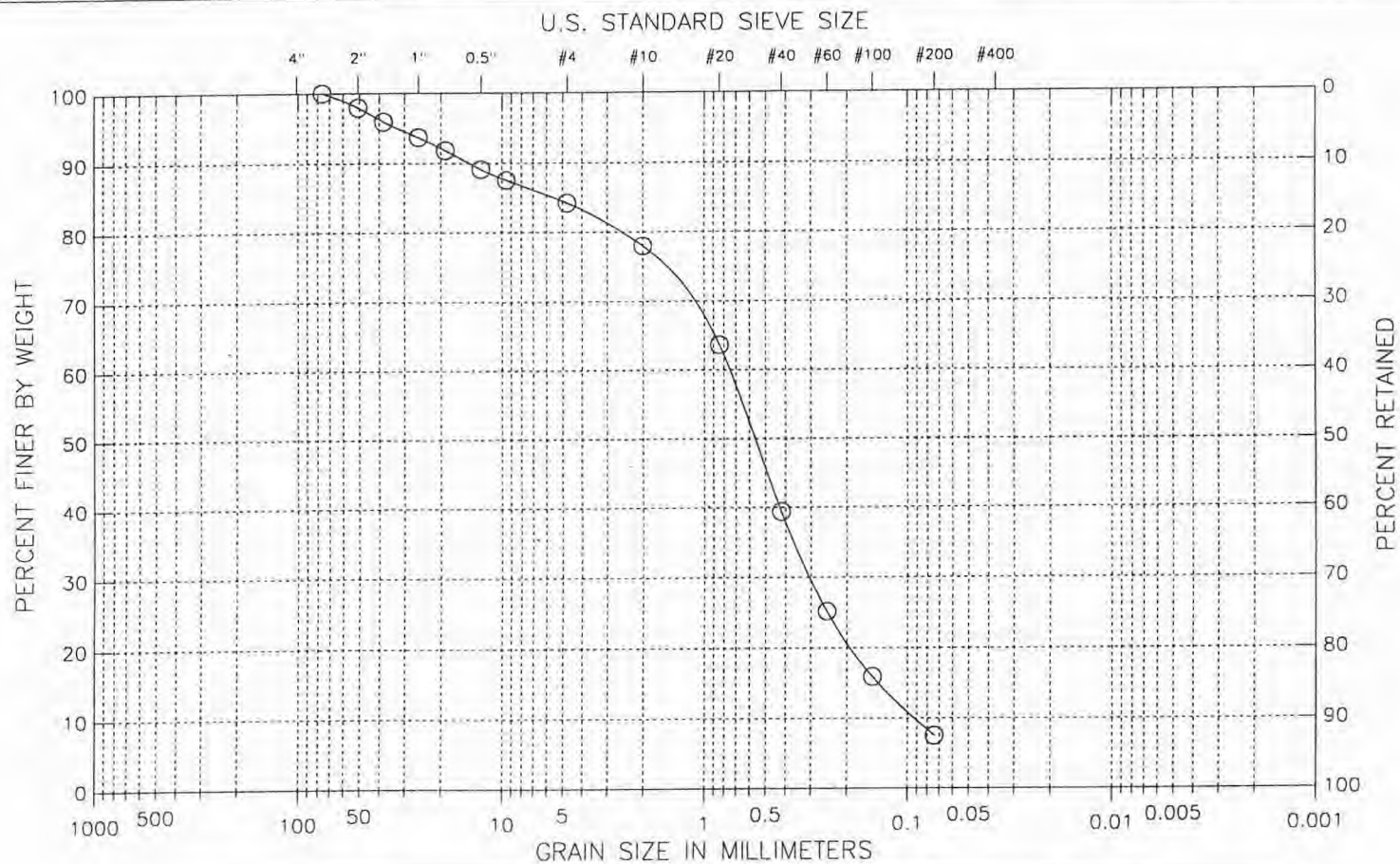
Corrected Maximum Dry Density : 128.4 PCF

Corrected Optimum Moisture Content : 9.6%



Boring No. : ---  
 Sample No.: DRLP-CF1  
 Test Method ASTM D 422  
 Filename : DRLPCF1

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: Devens, MA  
 Date : Tue Oct 02 2001



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :

Remarks :

Sample ID; DRLP-AOC-09-CF1

Visual Description :

Moist, yellowish brown sand

Figure 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Project No. : GTX-3544

Boring No. : ---

Sample No. : DRLP-CF1

Location : Devens, MA

Soil Description : Moist, yellowish brown sand

Remarks : Sample ID; DRLP-AOC-09-CF1

Depth : ---

Test Date : 09/24/01

Test Method : ASTM D 422

Filename : DRLPCF1

Elevation : ---

Tested by : tew

Checked by : jdt

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
3"	2.996	76.10	0.00	0.00	100
2"	2.000	50.80	930.00	930.00	98
1.5"	1.500	38.10	914.00	1844.00	96
1"	1.012	25.70	1027.00	2871.00	94
0.75"	0.748	19.00	855.00	3726.00	92
0.5"	0.500	12.70	1254.00	4980.00	89
0.375"	0.374	9.51	723.00	5703.00	88

Total Dry Weight of Sample = 45803

## FINE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
#4	0.187	4.75	10.78	10.78	84
#10	0.079	2.00	20.35	31.13	78
#20	0.033	0.84	46.35	77.48	64
#40	0.017	0.42	78.42	155.90	39
#60	0.010	0.25	46.05	201.95	25
#100	0.006	0.15	29.87	231.82	16
#200	0.003	0.07	27.21	259.03	8
Pan			24.27	283.30	0

Total Dry Weight of Sample = 292.94

D85 : 5.5913 mm

D60 : 0.7585 mm

D50 : 0.5695 mm

D30 : N/A

D15 : N/A

D10 : 0.0911 mm

## Soil Classification

ASTM Group Symbol : N/A

ASTM Group Name : N/A

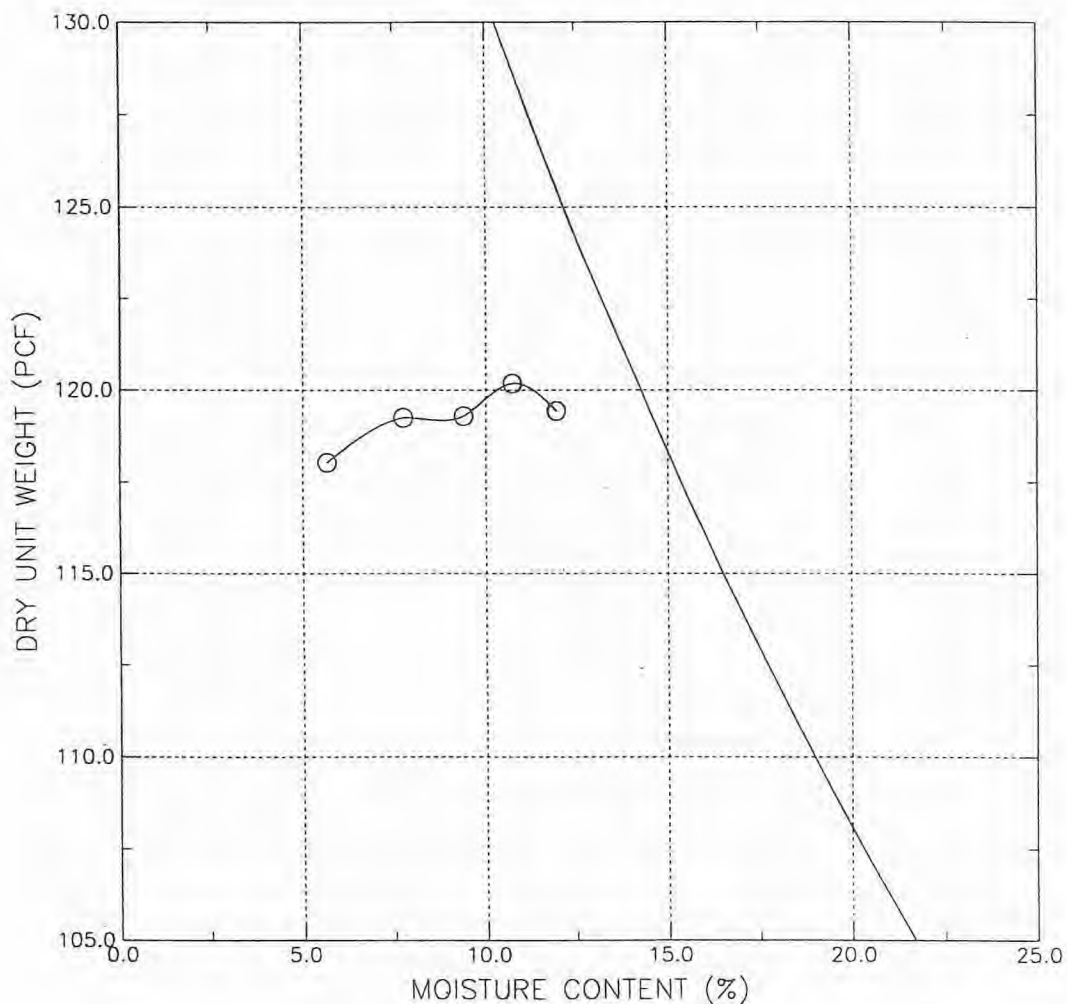
AASHTO Group Symbol : A-1-b(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand

Boring No. : ---  
Sample No. : DRLP-CF1  
Test Method : ASTM D 698  
Filename : DRLPCF1

Project : Devens Landfill  
Project No. : GTX-3544  
Location : Devens, MA  
Test Date : 09/24/01

### Moisture-Density Relationship



Sample Description : Moist, yellowish brown sand  
Compaction Test Designation : ASTM D698-A  
Maximum Dry Density : 120.2 PCF  
Optimum Moisture Content : 10.8 %  
Corrected Maximum Dry Density : 125.4 PCF  
Corrected Optimum Moisture Content : 9.2%

Figure 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Project No. : GTX-3544

Boring No. : ---

Sample No. : DRLP-CF1

Location : Devens, MA

Soil Description : Moist, yellowish brown sand

Remarks : Sample ID; DRLP-AOC-09-CF1

Depth : ---

Test Date : 09/24/01

Test Method : ASTM D 698

Filename : DRLPCF1

Elevation : ---

Tested by : tew

Checked by : jdt

## COMPACTION TEST

Mold ID :  
 Method Used : ASTM D698-A  
 Volume of Mold : 0.0333 ft<sup>3</sup>  
 Mass of Mold : 4951 gm  
 Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
wolfe	8.27	240.39	227.93	6835.00	5.7	118.0
xa75	9.78	233.98	217.84	6892.00	7.8	119.3
sr47	9.69	254.42	233.42	6922.00	9.4	119.3
k24	9.66	209.68	190.30	6961.00	10.7	120.2
btp3	9.12	213.00	191.20	6971.00	12.0	119.4
Optimum Dry Density = 120.2 PCF						
Optimum Moisture Content = 10.8 %						

Oversize correction ( 16% &gt; #4 sieve ):

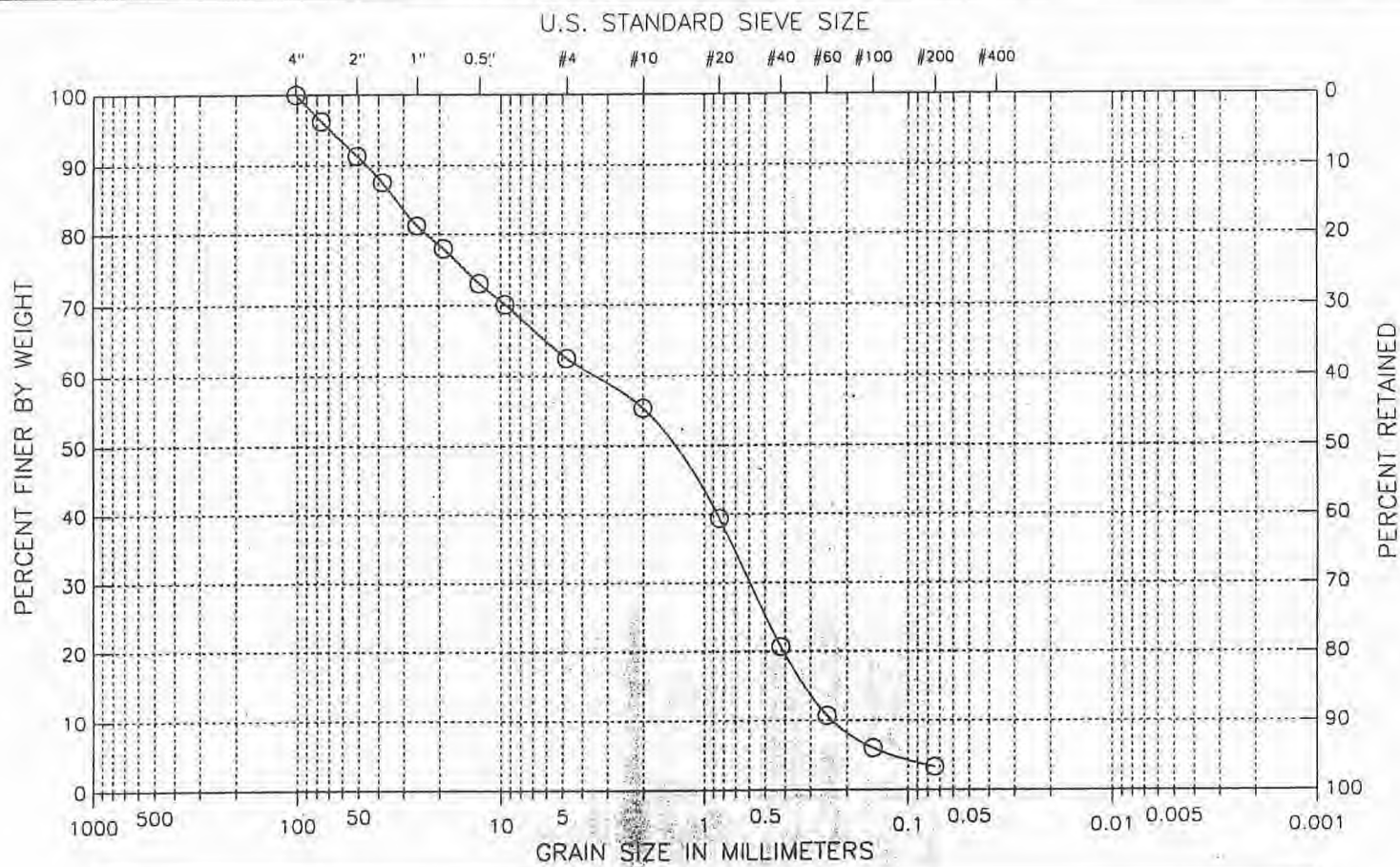
Corrected Maximum Dry Density : 125.4 PCF

Corrected Optimum Moisture Content : 9.2%



Boring No.: ---  
 Sample No.: DLRP-AOC9-CF7  
 Test Method ASTM D 422  
 Filename : AOC9CF7

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: ---  
 Date : Thu Oct 17 2002



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :  
 (SP) Poorly graded sand with gravel  
 Visual Description :  
 Moist, brown sand with gravel

Remarks :

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Project No. : GTX-3544

Boring No. : ---

Sample No. : DLRP-AOC9-CF7

Location : ---

Soil Description : Moist, brown sand with gravel

Remarks :

Depth : ---

Test Date : 10/11/02

Test Method : ASTM D 422

Filename : AOC9CF7

Elevation : ---

Tested by : ja

Checked by : jdt

COARSE SIEVE SET					
Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
4"	4.000	101.60	0.00	0.00	100
3"	2.996	76.10	967.00	967.00	96
2"	2.000	50.80	1277.00	2244.00	91
1.5"	1.500	38.10	987.00	3231.00	88
1"	1.012	25.70	1633.00	4864.00	81
0.75"	0.748	19.00	856.00	5720.00	78
0.5"	0.500	12.70	1273.00	6993.00	73
0.375"	0.374	9.51	763.00	7756.00	70
#4	0.187	4.75	1963.00	9719.00	63

Total Dry Weight of Sample = 25932

FINE SIEVE SET					
Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
#10	0.079	2.00	42.20	42.20	55
#20	0.033	0.84	96.71	138.91	39
#40	0.017	0.42	111.89	250.80	21
#60	0.010	0.25	59.93	310.73	11
#100	0.006	0.15	27.92	338.65	6
#200	0.003	0.07	16.17	354.82	3
Pan			19.98	374.80	0

Total Dry Weight of Sample = 382.88

D85 : 32.5044 mm

D60 : 3.4846 mm

D50 : 1.4900 mm

D30 : 0.5939 mm

D15 : 0.3127 mm

D10 : 0.2316 mm

## Soil Classification

ASTM Group Symbol : SP

ASTM Group Name : Poorly graded sand with gravel

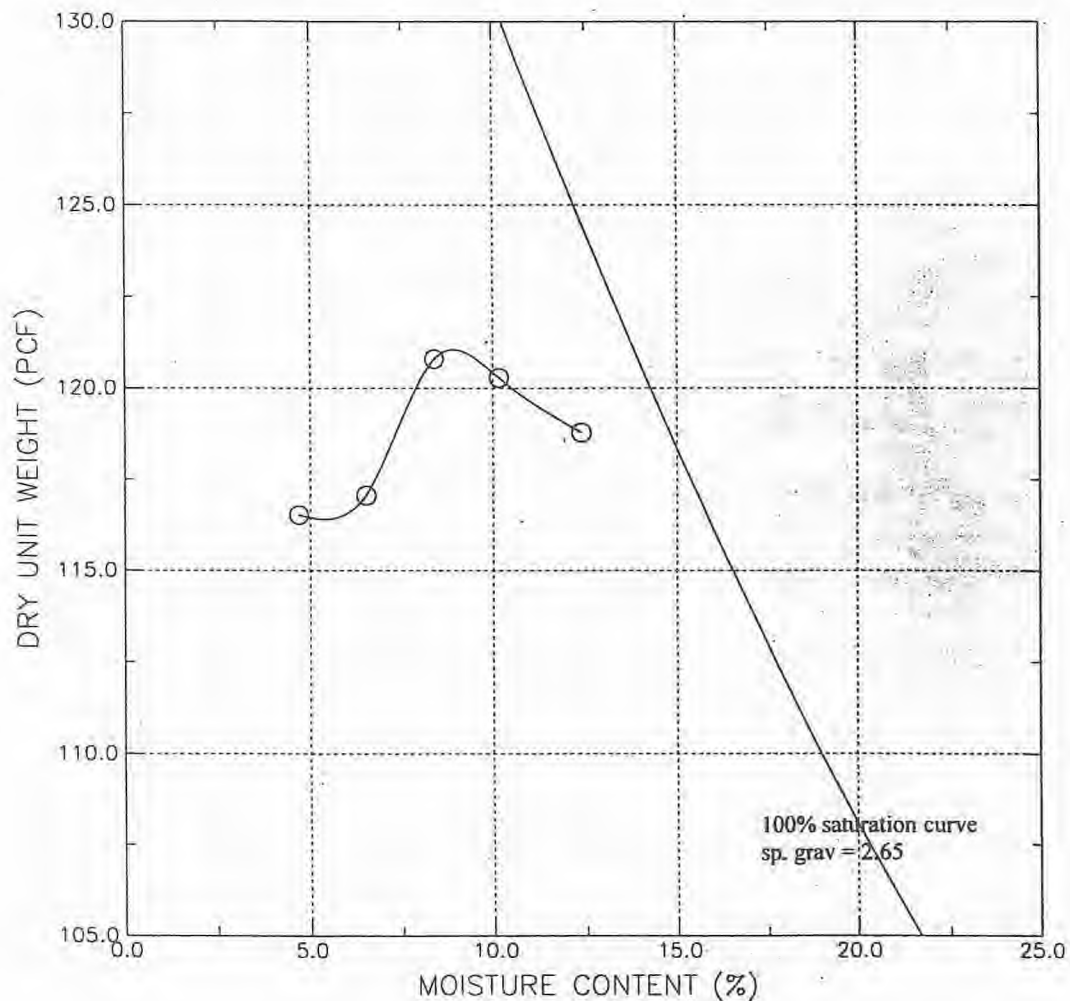
AASHTO Group Symbol : A-1-b(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand

Boring No. : DLRP  
Sample No. : AOC9-CF7  
Test Method : ASTM D 698  
Filename : AOC9CF7

Project : Devens Landfill  
Project No. : GTX-3544  
Location : ---  
Test Date : 10/11/02

### Moisture-Density Relationship



Sample Description : Moist, brown sand with gravel  
Compaction Test Designation : ASTM D698-C  
Maximum Dry Density : 121.1 PCF  
Optimum Moisture Content : 8.9 %

Corrected Maximum Dry Density : 132.7 PCF  
Corrected Optimum Moisture Content : 6.4%

Figure \*

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Filename : AOC9CF7

Project No. : GTX-3544

Depth : ---

Elevation : ---

Boring No. : DLRP

Test Date : 10/11/02

Tested by : ja

Sample No. : AOC9-CF7

Test Method : ASTM D 698

Checked by : jdt

Location : ---

Soil Description : Moist, brown sand with gravel

Remarks :

## COMPACTION TEST

Mold ID :  
Method Used : ASTM D698-C  
Volume of Mold : 0.075 ft<sup>3</sup>  
Mass of Mold : 6059 gm  
Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
1	8.31	449.05	429.31	10209.00	4.7	116.5
2	8.22	428.58	402.85	10301.00	6.5	117.1
3	8.19	526.05	485.99	10513.00	8.4	120.8
4	8.34	541.54	492.34	10567.00	10.2	120.3
5	8.19	527.49	470.29	10600.00	12.4	118.8
Optimum Dry Density = 121.1 PCF						
Optimum Moisture Content = 8.9 %						

Oversize correction ( 22% &gt; 3/4 inch sieve ):

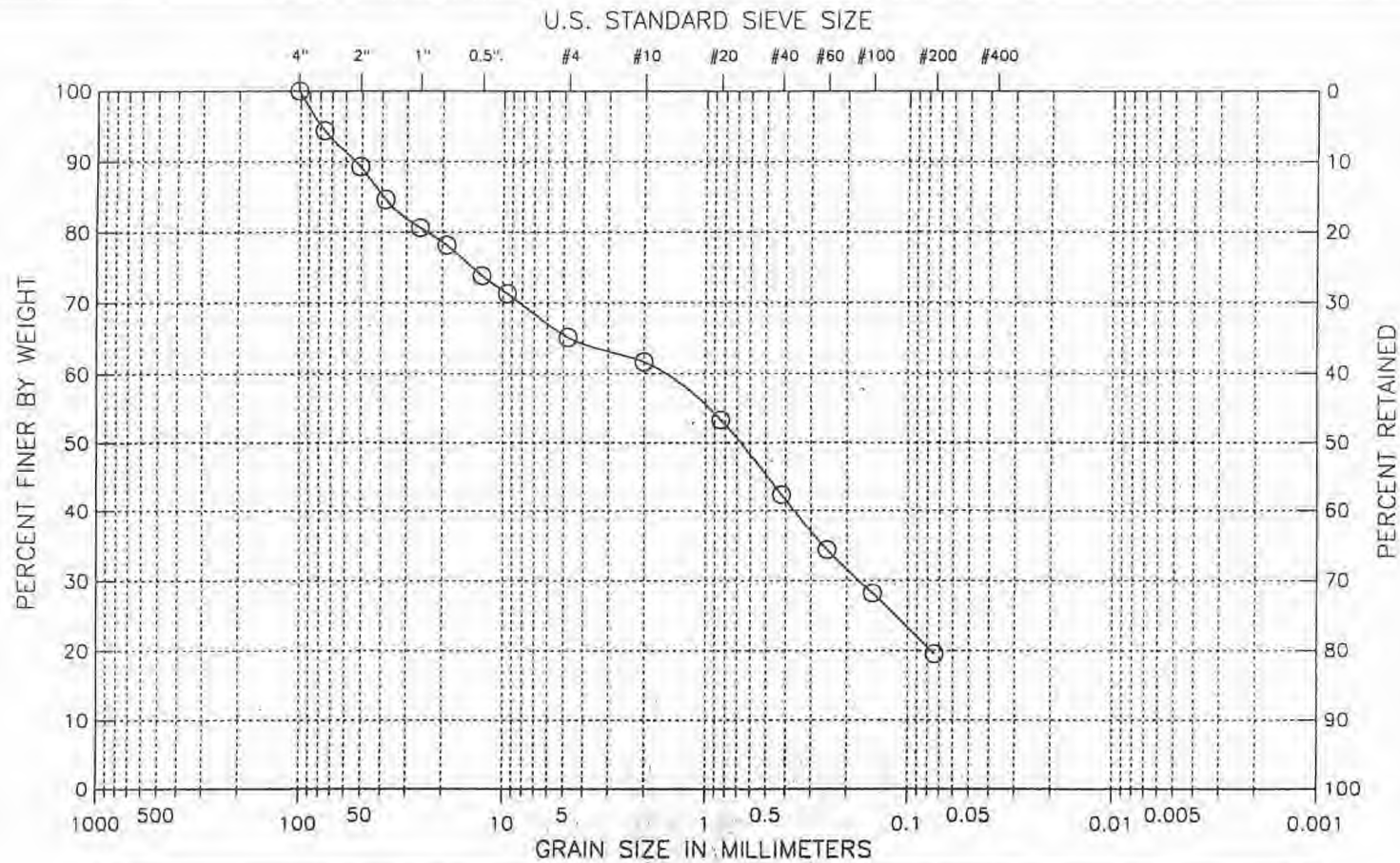
Corrected Maximum Dry Density : 132.7 PCF

Corrected Optimum Moisture Content : 6.4%



Boring No. : ---  
 Sample No.: DLRP-AOC9-CF8  
 Test Method ASTM D 422  
 Filename : AOC9CF8

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: ---  
 Date : Thu Oct 17 2002



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :

Remarks :

Visual Description :

Moist, brown silty sand with gravel

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Filename : AOC9CF8

Project No. : GTX-3544

Depth : ---

Elevation : ---

Boring No. : ---

Test Date : 10/11/02

Tested by : ja

Sample No. : DLRP-AOC9-CF8

Test Method : ASTM D 422

Checked by : jdt

Location : ---

Soil Description : Moist, brown silty sand with gravel

Remarks :

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
4"	4.000	101.60	0.00	0.00	100
3"	2.996	76.10	1319.00	1319.00	94
2"	2.000	50.80	1187.00	2506.00	89
1.5"	1.500	38.10	1080.00	3586.00	85
1"	1.012	25.70	942.00	4528.00	81
0.75"	0.748	19.00	582.00	5110.00	78
0.5"	0.500	12.70	1020.00	6130.00	74
0.375"	0.374	9.51	594.00	6724.00	71
#4	0.187	4.75	1446.00	8170.00	65

Total Dry Weight of Sample = 23404

## FINE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
#10	0.079	2.00	16.70	16.70	62
#20	0.033	0.84	39.66	56.36	53
#40	0.017	0.42	53.59	109.95	42
#60	0.010	0.25	38.14	148.09	34
#100	0.006	0.15	30.03	178.12	28
#200	0.003	0.07	41.84	219.96	19
Pan			94.01	313.97	0

Total Dry Weight of Sample = 322.1

D85 : 38.8730 mm

D60 : 1.6845 mm

D50 : 0.6797 mm

D30 : 0.1736 mm

D15 : N/A

D10 : N/A

## Soil Classification

ASTM Group Symbol : N/A

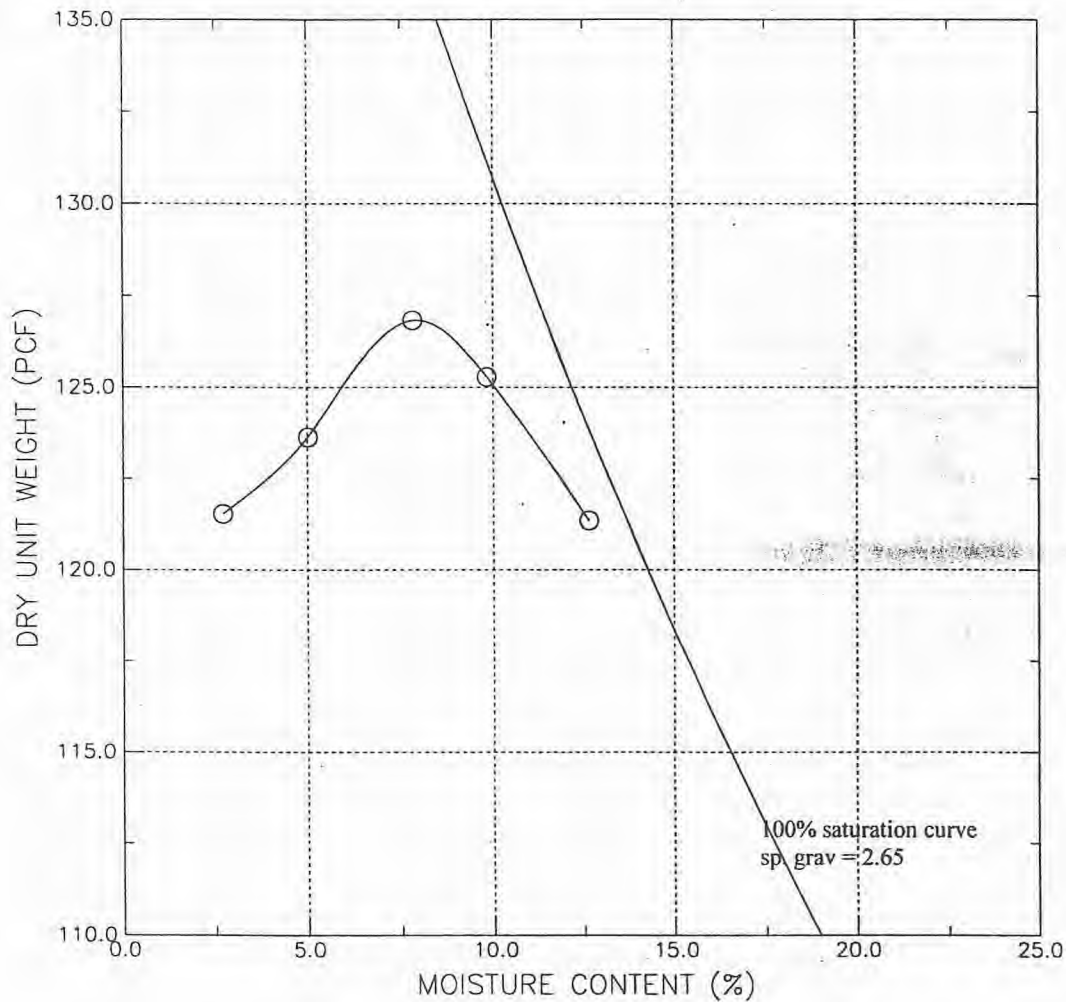
ASTM Group Name : N/A

AASHTO Group Symbol : A-1-b(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand

Boring No. : DLRP	Project : Devens Landfill
Sample No. : AOC9-CF8	Project No. : GTX-3544
Test Method : ASTM D 698	Location : ---
Filename : AOC9CF8	Test Date : 10/11/02

### Moisture-Density Relationship



Sample Description : Moist, brown silty sand with gravel  
 Compaction Test Designation : ASTM D698-C  
 Maximum Dry Density : 126.8 PCF  
 Optimum Moisture Content : 7.9 %

Corrected Maximum Dry Density : 127.8 PCF  
 Corrected Optimum Moisture Content : 7.2%

Figure

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Filename : AOC9CF8

Project No. : GTX-3544

Depth : ---

Elevation : ---

Boring No. : DLRP

Test Date : 10/11/02

Tested by : ja

Sample No. : AOC9-CF8

Test Method : ASTM D 698

Checked by : jdt

Location : ---

Soil Description : Moist, brown silty sand with gravel

Remarks :

## COMPACTION TEST

Mold ID :

Method Used : ASTM D698-C

Volume of Mold : 0.075 ft<sup>3</sup>

Mass of Mold : 6272 gm

Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
5	8.18	330.22	321.74	10518.00	2.7	124.5
4	8.23	349.88	333.56	10689.00	5.0	123.6
3	8.17	346.58	322.04	10924.00	7.8	126.8
1	9.69	442.60	403.85	10953.00	9.8	125.3
2	8.12	450.34	400.70	10922.00	12.6	121.3

Optimum Dry Density = 126.8 PCF

Optimum Moisture Content = 7.9 %

Oversize correction ( 22% &gt; 3/4 inch sieve ):

Corrected Maximum Dry Density

: 127.8 PCF

Corrected Optimum Moisture Content

: 7.2%





UNIVERSITY of  
MASSACHUSETTS

UMass Extension

RECEIVED

AUG 20 2001

STONE & WEBSTER CONSTRUCTION  
DEVENS LANDFILL PROJECT

Agroecology Program  
Soil and Plant Tissue  
Testing Laboratory

West Experiment Station  
682 North Pleasant St.  
Amherst, MA 01003-9302  
413.545.2311  
413.545.1931 fax

<http://www.umass.edu/plsoils/soiltest>

### TEXTURAL ANALYSIS RESULTS

Customer Name: Stone & Webster  
Jeff Shea  
45 Patton Road  
Ayer, MA 01432

Sample ID: S010816-102

Customer Designation: DLRP-TS-01

#### Percentages based on less than 2 mm fraction

Fraction	Percent
Sand	74.3
Silt	21.1
Clay	4.7
	<u>100.0</u>

#### Sand Subfractions

Very Coarse	9.7
Coarse	15.3
Medium	18.1
Fine	20.3
Very Fine	<u>10.8</u>
	74.3

#### Silt subfractions

Coarse	11.9
Medium	6.5
Fine	<u>2.7</u>
	21.1

Under USDA criteria this sample classifies as a coarse sandy loam. Classification is based on particles that are sand size and finer (i.e. less than 2 millimeters in diameter). Those particles greater than 2 mm are included in the textural name as a modifier (ex. gravelly). The sample submitted contained 25.5 % gravel on a weight basis. Any questions pertaining to these results may be asked by calling the Soil Testing Lab.

AND PLANT TISSUE TESTING LAB  
ST EXPERIMENT STATION  
IVERSITY OF MASSACHUSETTS  
HERST, MA 01003

LAB NUMBER: S010816-102  
BAG NUMBER: 48020

SOIL WEIGHT: 6.19 g/5cc  
CROP: TURF/GRASS

STONE & WEBSTER/JEFF SHRA  
45 PATTON ROAD  
AYER, MA 01432

COMMENTS:

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AUG 30 2001

STONE & WEBSTER CONSTRUCTION  
DEVENSLANDFILL PROJECT

MPLE ID: DLRP-TS-01

LIMESTONE AND FERTILIZER RECOMMENDATIONS FOR NEW LAWN CONSTRUCTION

Apply 124 lb of limestone/1000 sq ft.  
Incorporate thoroughly one-half of the lime into the top 6 inches of soil. Mix the remaining half into the top 3 to 4 inches of soil along with recommended fertilizers.

Fertilizer (per 1000 sq ft): 1-2 lbs N, 4 lbs P2O5, and 4 lbs K2O.

Many fertilizer sources and rates may combine to provide acceptable turfgrass establishment either from seed or sod. One or two options based on this soil test follow:

Incorporate EITHER a 5-10-10 fertilizer at 40 lbs/1000 sq ft, OR a 15-25-10 starter lawn fertilizer at 15 lbs/1000 sq ft plus 0-0-60 (muriate of potash) fertilizer at 4 lbs/1000 sq ft into the top 3 to 4 inches of soil. Retest one year after turf establishment.

PLEASE read the enclosed fact sheets for more specific information on fertilization and liming procedures.

pH 5.8  
Buffer pH 6.5  
NITROGEN: NO3-N = 14 ppm NH4-N = 2 ppm  
ORGANIC MATTER: 3.3 % (Desirable range 4-10%)

NUTRIENT LEVELS: PPM		Low	Medium	High	Very High
Phosphorus (P)	5	XXXXXXX			
Potassium (K)	55	XXXXXXXXXX			
Calcium (Ca)	406	XXXXXXXXXX			
Magnesium (Mg)	57	XXXXXXXXXX			

CATION EXCH CAP 6.5 Meq/100g  
PERCENT BASE SATURATION K= 1.8 Mg= 5.9 Ca=25.5  
MICRONUTRIENT LEVELS ALL NORMAL

EXTRACTABLE ALUMINUM: 106 ppm (Soil range: 10-250 ppm)  
SOLUBLE SALTS: 0.11 dS/M (Soil Range: 0.08-0.50 dS/M)  
EXTRACTED LEAD (PB) 15 PPM. ESTIMATED TOTAL LEAD IS 213 PPM.

The lead level in this soil is low.

COMPUTER PROGRAM & RECOMMENDATIONS BY DEPT OF PLANT & SOIL SCI UMASS-AMHERST.  
1 Further information contact the Soil Testing Lab at (413) 545-2311.

## Soil Test Order Form

Sample ID (your designation)	Crop Code (see list reverse side)	Test Type (A,B, etc.)	Fee
DLRP-TS-02	4	C	\$12.00
DLRP-TS-03	4	C	\$12.00
Order total:			\$24.00

Comments: Please Bill Stone &  
Webster @ the below  
address

Jeff Shea  
Name  
45 Patton Road  
Address  
Ayer, MA  
City/ State  
01432 4/9/02  
Zip Code Date  
978-784-0900  
Phone



## Soil Test Price List

## Test

## A. Soil pH

Provides a simple soil pH test and an estimate of how much lime, sulfur, or other additive is needed to correct soil pH.

\$3.00

## B. Standard Soil Test

Provides pH, Buffer pH, Extractable Nutrients, Extractable Heavy Metals (eg. Lead), Cation Exchange Capacity, and Percent Base Saturation. Recommendations for nutrient and pH adjustment are included with results.

\$8.00

C. Standard Soil Test  
w/ Organic Matter

Same as Standard Soil Test plus a determination and interpretation of the Percent Organic Matter in the soil sample.

\$12.00

## D. Soil Texture (only)

Provides a determination of the USDA Textural Classification by combined Hydrometer Analysis of silts and clays and Dry Sieving of sands. Results presented in tabular format. This test does not include the Standard Soil Test.

\$40.00

## E. Soluble Salts

Provides a measure of Electrical Conductivity of a 1:2 (soil:water) extract.

\$3.00

- For a complete listing of Testing Services for Soils, as well as those for Plant Tissue, Composts, and Fertilizers, visit the Soil Lab's Web Site or call us.

## Soil Sampling Instruction

## When to Sample

- Sampling can be done at any time; but if adjustments are necessary, test as early as possible prior to planting.
- Avoid sampling soils that have very recently been fertilized.

## Soil Sampling Procedure

- Soils that are distinctly different as judged by appearance, crop growth or past treatment should be sampled separately.
- Each sample submitted for testing should be a composite or mixture of approximately 12 separate scattered samplings taken over a well-defined area.
- Look your field or property over. Define a sample area based on uniformity of texture, slope, drainage, color, and past pest and fertility management.
- Avoid sampling very wet soils. In soils where fertilizer has been placed in bands (rows), do not sample directly in a band. It is best not to obtain samples very near the edge of the field or plot.
- Using a clean spade, auger, or sampling tube obtain soil from the surface through the primary rooting zone of the crop. Rooting depth will vary with crop type. For most plants the 6-8 inches is appropriate. For established grasses sample the top 3-4 inches.
- Place each of the 12 randomly spaced samplings in a clean container (pail or bag) and mix thoroughly. Spread the mixture out on a clean paper to air-dry (do not place soil in an oven).
- Mix the soil again. Obtain a one cup measure of the soil mixture and place it in a zip-lock type bag.
- Label the outside of the bag clearly with your name, address, and your sample ID.

## SOIL ANALYSIS REPORT FOR NEW LAWN

04/21/02

SOIL AND PLANT TISSUE TESTING LAB  
WEST EXPERIMENT STATION  
UNIVERSITY OF MASSACHUSETTS  
AMHERST, MA 01003

LAB NUMBER: S020411-130  
BAG NUMBER: 49989

SOIL WEIGHT: 5.33 g/5cc  
CROP: NEW TURFGRASS

STONE & WEBSTER/JOHN SHRA  
45 PATTON ROAD  
AMHERST, MA 01432

## COMMENTS:

SAMPLE ID: DL RP TS-02

## LIMESTONE AND FERTILIZER RECOMMENDATIONS FOR NEW LAWN CONSTRUCTION

Apply 124 lb of limestone/1000 sq ft.  
Incorporate thoroughly one-half of the lime into the top 6 inches of soil. Mix the remaining half into the top 3 to 4 inches of soil along with recommended fertilizers.

Fertilizer (per 1000 sq ft): 1-2 lbs N, 2 lbs P2O5, and 4 lbs K2O.

Many fertilizer sources and rates may combine to provide acceptable turfgrass establishment either from seed or sod. One or two options based on this soil test follow:

Incorporate EITHER a 10-10-10 fertilizer at 20 lbs/1000 sq ft plus 0-0-60 (muriate of potash) fertilizer at 3 lbs/1000 sq ft, OR a 15-25-10 starter lawn fertilizer at 10 to 12 lbs/1000 sq ft plus 0-0-60 (muriate of potash) fertilizer at 5 lbs/1000 sq ft into the top 3 to 4 inches of soil. Retest soil one year after turf establishment.

PLEASE read the enclosed fact sheets for more specific information on fertilization and liming procedures.

SOIL pH 5.8 NITROGEN: NO3-N = 16 ppm NH4-N = 21 ppm  
BUFFER pH 6.5 ORGANIC MATTER: 4.0 % (Desirable range 4-10%)

NUTRIENT LEVELS: PPM	Low	Medium	High	Very High
Phosphorus (P) 7	XXXXXXXXXX			
Potassium (K) 56	XXXXXXXXXXXXXX			
Calcium (Ca) 375	XXXXXXXXXXXXXX			
Magnesium (Mg) 49	XXXXXXXXXXXXXX			

CATION EXCH CAP  
7.3 Meq/100g

PERCENT BASE SATURATION  
K= 1.9 Mg= 5.2 Ca=24.2

MICRONUTRIENT LEVELS  
ALL NORMAL

EXTRACTABLE ALUMINUM: 114 ppm (Soil range: 10-250 ppm)

EXTRACTED LEAD (PB) 15 PPM.

ESTIMATED TOTAL LEAD IS 206 PPM.

The lead level in this soil is low.

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MAY 01 2002

STONE & WEBSTER CONSTRUCTION  
DEVENS LANDFILL PROJECT

COMPUTER PROGRAM & RECOMMENDATIONS BY DEPT OF PLANT & SOIL SCI UMASS-AMHERST.  
For further information contact the Soil Testing Lab at (413) 545-2311.



## SOIL ANALYSIS REPORT FOR NEW LAWN

04/21/02

SOIL AND PLANT TISSUE TESTING LAB  
WEST EXPERIMENT STATION  
UNIVERSITY OF MASSACHUSETTS  
AMHERST, MA 01003

LAB NUMBER: S020411-131  
BAG NUMBER: 49989

SOIL WEIGHT: 4.88 g/5cc  
CROP: NEW TURFGRASS

STONE & WEBSTER/JOHN SHEA  
45 PATTON ROAD  
AMHERST, MA 01432

## COMMENTS:

SAMPLE ID: DL RP TS-03

## LIMESTONE AND FERTILIZER RECOMMENDATIONS FOR NEW LAWN CONSTRUCTION

Soil pH is higher than desired. Do NOT add limestone.

Fertilizer (per 1000 sq ft): 1-2 lbs N, 1 lbs P2O5, and 0 lbs K2O.

Many fertilizer sources and rates may combine to provide acceptable turfgrass establishment either from seed or sod. One or two options based on this soil test follow:

Incorporate a 30-3-3 lawn fertilizer at 7 lbs/1000 sq ft plus 0-45-0 (triple superphosphate) fertilizer at 2 lbs/1000 sq ft into the top 3 to 4 inches of soil. Retest soil one year after turf establishment.

PLEASE read the enclosed fact sheets for more specific information on fertilization and liming procedures.

SOIL pH 7.9 NITROGEN: NO3-N = 17 ppm NH4-N = 6 ppm  
BUFFER pH 7.4 ORGANIC MATTER: 5.8 % (Desirable range 4-10%)

NUTRIENT LEVELS: PPM		Low	Medium	High	Very High
Phosphorus (P)	11	XXXXXXXXXXXXXXXXXXXX			
Potassium (K)	563	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Calcium (Ca)	3458	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Magnesium (Mg)	198	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			

CATION EXCH CAP  
20.9 Meq/100g

PERCENT BASE SATURATION  
K= 7.1 Mg= 8.0 Ca=85.0

MICRONUTRIENT LEVELS  
ALL NORMAL

EXTRACTABLE ALUMINUM: 50 ppm (Soil range: 10-250 ppm)

EXTRACTED LEAD (PB) 12 PPM. ESTIMATED TOTAL LEAD IS 176 PPM.

The lead level in this soil is low.

COMPUTER PROGRAM & RECOMMENDATIONS BY DEPT OF PLANT & SOIL SCI UMASS-AMHERST.  
For further information contact the Soil Testing Lab at (413) 545-2311.

# Soil Order Form

Sample ID (your designation)	Crop Code (see list reverse side)	Test Type (A,B, etc.)	Fee
RP-TS-04	4	C	\$12.00
RP-TS-05	4	C	\$12.00
RP-TS-06	4	C	\$12.00
RP-Compost	4	C	\$12.00

Order total: \$48.00

Comments: Please bill Stone & Webster @ the below address

Jeff Shea  
Name

45 Patton Road  
Address

Ayer, MA  
City/ State

01432 4/29/02  
Zip Code Date

978-784-0900 Fax: 978-784-0999  
Phone



## Soil Test Fee List

### Test

#### A. Soil pH

Provides a simple soil pH test and an estimate of how much lime, sulfur, or other additive is needed to correct soil pH

\$3.00

#### B. Standard Soil Test

Provides pH, Buffer pH, Extractable Nutrients, Extractable Heavy Metals (eg. Lead), Cation Exchange Capacity, and Percent Base Saturation. Recommendations for nutrient and pH adjustment are included with results.

\$8.00

#### C. Standard Soil Test w/ Organic Matter

Same as Standard Soil Test plus a determination and interpretation of the Percent Organic Matter in the soil sample.

\$12.00

#### D. Soil Texture (only)

Provides a determination of the USDA Textural Classification by combined Hydrometer Analysis of silts and clays and Dry Sieving of sands. Results presented in tabular format. This test does not include the Standard Soil Test.

\$40.00

#### E. Soluble Salts

Provides a measure of Electrical Conductivity of a 1:2 (soil:water) extract.

\$3.00

- For a complete listing of Testing Services for Soils, as well as those for Plant Tissue, Composts, and Fertilizers, visit the Soil Lab's Web Site or call us.

TS-04 1.5:1  
TS-05 2:1  
TS-06 2.5:1

## Soil Sampling Instructions

### When to Sample

- Sampling can be done at any time; but if pH adjustments are necessary, test as early as possible prior to planting.
- Avoid sampling soils that have very recently been fertilized.

### Soil Sampling Procedure

- Soils that are distinctly different as judged by appearance, crop growth or past treatment should be sampled separately.
- Each sample submitted for testing should be a composite or mixture of approximately 12 separate scattered samplings taken over a well-defined area.
- Look your field or property over. Define a sample area based on uniformity of texture, slope, drainage, color, and past pest and fertility management.
- Avoid sampling very wet soils. In soils where fertilizer has been placed in bands (rows), do not sample directly in a band. It is best not to obtain samples very near the edge of the field or plot.
- Using a clean spade, auger, or sampling tube obtain soil from the surface through the primary rooting zone of the crop. Rooting depth will vary with crop type. For most plants the top 6-8 inches is appropriate. For established grasses sample the top 3-4 inches.
- Place each of the 12 randomly spaced samplings in a clean container (pail or bag) and mix thoroughly. Spread the mixture out on a clean paper to air-dry (do not place soil in an oven).
- Mix the soil again. Obtain a one cup measure of the soil mixture and place it in a zip-lock type bag.
- Label the outside of the bag clearly with your name, address, and your sample ID.

## SOIL ANALYSIS REPORT FOR NEW LAWN

05/16/02

SOIL AND PLANT TISSUE TESTING LAB  
ST EXPERIMENT STATION  
UNIVERSITY OF MASSACHUSETTS  
AMHERST, MA 01003

LAB NUMBER: S020506-122  
BAG NUMBER: 50547

SOIL WEIGHT: 4.31 g/5cc  
CROP: TURF NEW

STONE & WEBSTER/JEFF SHEA  
45 PATTON ROAD  
AMHERST, MA 01432

COMMENTS:

SAMPLE ID: DLRP-TS-04 (1.5/1)

-----  
LIMESTONE AND FERTILIZER RECOMMENDATIONS FOR NEW LAWN CONSTRUCTION

Soil pH is higher than desired. Do NOT add limestone.

Fertilizer (per 1000 sq ft): 1-2 lbs N, 2 lbs P<sub>2</sub>O<sub>5</sub>, and 0 lbs K<sub>2</sub>O.

Many fertilizer sources and rates may combine to provide acceptable turfgrass establishment either from seed or sod. One or two options based on this soil test follow:

Incorporate EITHER a 17-23-6 starter fertilizer at 10 lbs/1000 sq ft,  
OR a 30-3-3 lawn fertilizer at 7 lbs/1000 sq ft plus a 0-45-0 (triple  
superphosphate) fertilizer at 4 lbs/1000 sq ft into the top  
3 to 4 inches of soil. Retest soil one year after turf establishment.

PLEASE read the enclosed fact sheets for more specific information on fertilization and liming procedures.

-----  
SOIL pH 7.7 NITROGEN: NO<sub>3</sub>-N = 55 ppm NH<sub>4</sub>-N = 5 ppm  
BUFFER pH 7.4 ORGANIC MATTER: 10.6 % (Desirable range 4-10%)

NUTRIENT LEVELS: PPM	Low	Medium	High	Very High
Phosphorus (P) 8	XXXXXXXXXXXX			
Potassium (K) 394	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Calcium (Ca) 4253	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Magnesium (Mg) 210	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			

CATION EXCH CAP  
27.9 Meq/100gPERCENT BASE SATURATION  
K= 4.2 Mg= 7.2 Ca=88.7MICRONUTRIENT LEVELS  
ALL NORMAL

EXTRACTABLE ALUMINUM: 61 ppm (Soil range: 10-250 ppm)

The lead level in this soil is low.

COMPUTER PROGRAM & RECOMMENDATIONS BY DEPT OF PLANT & SOIL SCI UMASS-AMHERST.  
For further information contact the Soil Testing Lab at (413) 545-2311.

## SOIL ANALYSIS REPORT FOR NEW LAWN

05/16/02

SOIL AND PLANT TISSUE TESTING LAB  
WEST EXPERIMENT STATION  
UNIVERSITY OF MASSACHUSETTS  
AMHERST, MA 01003

LAB NUMBER: S020506-123  
BAG NUMBER: 50547

SOIL WEIGHT: 4.21 g/5cc  
CROP: TURF NEW

STONE & WEBSTER/JEFF SHEA  
45 PATTON ROAD  
AYER, MA 01432

COMMENTS:

SAMPLE ID: DLRP-TS-05 (2/1)

## LIMESTONE AND FERTILIZER RECOMMENDATIONS FOR NEW LAWN CONSTRUCTION

Soil pH is higher than desired. Do NOT add limestone.

Fertilizer (per 1000 sq ft): 1-2 lbs N, 2 lbs P2O5, and 0 lbs K2O.

Many fertilizer sources and rates may combine to provide acceptable turfgrass establishment either from seed or sod. One or two options based on this soil test follow:

Incorporate EITHER a 17-23-6 starter fertilizer at 10 lbs/1000 sq ft, OR a 30-3-3 lawn fertilizer at 7 lbs/1000 sq ft plus a 0-45-0 (triple superphosphate) fertilizer at 4 lbs/1000 sq ft into the top 3 to 4 inches of soil. Retest soil one year after turf establishment.

PLEASE read the enclosed fact sheets for more specific information on fertilization and liming procedures.

SOIL pH 7.8 NITROGEN: NO3-N = 57 ppm NH4-N = 6 ppm  
BUFFER pH 7.4 ORGANIC MATTER: 10.0 % (Desirable range 4-10%)

NUTRIENT LEVELS: PPM	Low	Medium	High	Very High
Phosphorus (P) 8	XXXXXXXXXXXX			
Potassium (K) 328	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
Calcium (Ca) 3705	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
Magnesium (Mg) 192	XXXXXXXXXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		

CATION EXCH CAP  
24.9 Meq/100g

PERCENT BASE SATURATION  
K= 4.0 Mg= 7.5 Ca=88.6

MICRONUTRIENT LEVELS  
ALL NORMAL

EXTRACTABLE ALUMINUM: 69 ppm (Soil range: 10-250 ppm)

The lead level in this soil is low.

COMPUTER PROGRAM & RECOMMENDATIONS BY DEPT OF PLANT & SOIL SCI UMASS-AMHERST.  
For further information contact the Soil Testing Lab at (413) 545-2311.



SOIL ANALYSIS REPORT FOR NEW LAWN

05/16/02

SOIL AND PLANT TISSUE TESTING LAB  
ST EXPERIMENT STATION  
IVERSITY OF MASSACHUSETTS  
HERST, MA 01003

LAB NUMBER: S020506-124  
BAG NUMBER: 50547

SOIL WEIGHT: 3.55 g/5cc  
CROP: TURF NEW

STONE & WEBSTER/JEFF SHEA  
45 PATTON ROAD  
AYER, MA 01432

COMMENTS:

SAMPLE ID: DLRP-TS-06 (2.5/1)

LIMESTONE AND FERTILIZER RECOMMENDATIONS FOR NEW LAWN CONSTRUCTION

Soil pH is higher than desired. Do NOT add limestone.

Fertilizer (per 1000 sq ft): 1-2 lbs N, 2 lbs P2O5, and 0 lbs K2O.

Many fertilizer sources and rates may combine to provide acceptable turfgrass establishment either from seed or sod. One or two options based on this soil test follow:

Incorporate EITHER a 17-23-6 starter fertilizer at 10 lbs/1000 sq ft, OR a 30-3-3 lawn fertilizer at 7 lbs/1000 sq ft plus a 0-45-0 (triple superphosphate) fertilizer at 4 lbs/1000 sq ft into the top 3 to 4 inches of soil. Retest soil one year after turf establishment.

PLEASE read the enclosed fact sheets for more specific information on fertilization and liming procedures.

SOIL pH 7.9 NITROGEN: NO3-N = 63 ppm NH4-N = 5 ppm  
BUFFER pH 7.5 ORGANIC MATTER: 12.3 % (Desirable range 4-10%)

NUTRIENT LEVELS: PPM	Low	Medium	High	Very High
Phosphorus (P) 8	XXXXXXXXXXXX			
Potassium (K) 397	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Calcium (Ca) 4719	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
Magnesium (Mg) 222	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			

CATION EXCH CAP	PERCENT BASE SATURATION	MICRONUTRIENT LEVELS
37.3 Meq/100g	K= 3.9 Mg= 6.9 Ca=89.3	ALL NORMAL

EXTRACTABLE ALUMINUM: 64 ppm (Soil range: 10-250 ppm)

The lead level in this soil is low.

OMPUTER PROGRAM & RECOMMENDATIONS BY DEPT OF PLANT & SOIL SCI UMASS-AMHERST.  
or further information contact the Soil Testing Lab at (413) 545-2311.

## SOIL ANALYSIS REPORT FOR RESEARCH

05/16/02

SOIL AND PLANT TISSUE TESTING LAB  
ST EXPERIMENT STATION  
UNIVERSITY OF MASSACHUSETTS  
AMHERST, MA 01003

LAB NUMBER: S020506-125  
BAG NUMBER: 50547

SOIL WEIGHT: 2.98 g/5cc

STONE & WEBSTER/JEFF SHEA  
45 PATTON ROAD  
AYER, MA 01432

CONCERNS:

-----  
ANALYSIS REPORT

SAMPLE ID: COMPOST  
SOIL TYPE:

SOIL PH 7.9 ALUMINUM (AL): 57 PPM (Soil Range: 10-300)  
BUFFER PH 7.5 ORGANIC MATTER: 20.6 %. Desirable range 4-8%.

NUTRIENT LEVELS: PPM	LOW	MEDIUM	HIGH	VERY HIGH
PHOSPHORUS (P) 8	XXXXXXXXXXXX			
POTASSIUM (K) 655	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
CALCIUM (CA) 6995	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
MAGNESIUM (MG) 299	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			
AMMONIUM (NH4-N) 6	XXXXXXXXXXXX			
NITRATE (NO3-N) 70	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX			

CATION EXCH CAP 65.6 MEQ/100G PERCENT BASE SATURATION  
K= 4.3 MG= 6.3 CA=89.5

MICRONUTRIENT	PPM	SOIL RANGE	MICRONUTRIENT	PPM	SOIL RANGE
Boron (B)	4.5	0.1-2.0	Copper (Cu)	1.4	0.3-8.0
Manganese (Mn)	31.3	3 - 20	Iron (Fe)	22.5	1.0- 40
Zinc (Zn)	11.6	0.1- 70			

EXTRACTED LEAD (PB) 10 PPM. ESTIMATED TOTAL LEAD IS 155 PPM.  
EXTRACTED CADMIUM (CD) 0.2 PPM.  
EXTRACTED NICKEL (NI) 0.6 PPM. EXTRACTED CHROMIUM (CR) 0.3 PPM.

-----  
COMMENTS

COMPUTER PROGRAM &amp; RECOMMENDATIONS BY DEPT OF PLANT &amp; SOIL SCI UMASS-AMHERST.



1145 Mass. Avenue, Boxborough, MA.01719  
(978) 635-0424 Fax (978)635-0266

## CHAIN OF CUSTODY

[illegible]

**GeoTesting Express**

1145 Massachusetts Avenue

Boxborough, MA 01719

Tel: 978-635-0424

Fax: 978-635-0266

# Fax

**To:** Mr. Jeff Shea**From:** Joe Tomei**Fax:** 978-784-0999**Pages:** 2 (including cover page)**Phone:** 978-784-0900**Date:** 05/14/02**Re:** Devens LF**CC:**☐ **Urgent**☐ **For Review**☐ **Please Comment**☐ **Please Reply**☐ **Please Recycle****• Comments:**

Organic Matter (ASTM D 2974) test results





**Moisture, Ash, and Organic Matter of Peat and Other Organic Soils by ASTM D 2974**

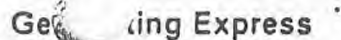
Client: Stone & Webster  
Project Name: Devens Landfill  
Project Location: Devens, MA

GTX #: 3544  
Test Date: 05/08/02  
Tested By: jlg  
Checked By: jdt

Boring #	Sample ID	Depth, ft	Visual Description	Moisture Content, %	Ash Content, %	Organic Matter, %
—	DLRP-TS-07	—	Moist, very dark gray silty sand with organics	39.7	89.9	10.1
—	DLRP-COMPOST-02	—	Moist, black silty sand with organics	72.5	78.3	21.7

Notes: Moisture content determined by Method A & reported as a percentage of oven-dried mass; dried to constant mass at temperature of 110 °C  
Ash content and organic matter determined by Method C; dried to constant mass at temperature of 440 °C

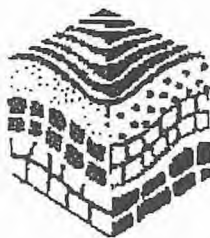
Notes: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.



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## CHAIN OF CUSTODY

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Boxborough, MA 01719

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# Fax

**To:** Mr. Jeff Shea**From:** Joe Tomei**Fax:** 978-784-0999**Pages:** 3 (including cover page)**Phone:** 978-784-0900**Date:** 07/03/02**Re:** Devens LF**CC:**☐ **Urgent**    ☐ **For Review**    ☐ **Please Comment**    ☐ **Please Reply**    ☐ **Please Recycle****• Comments:**

DLRP-TS-08; pH and Organic Matter

**Moisture, Ash, and Organic Matter of Peat and Other Organic Soils by ASTM D 2974**

Client: Stone & Webster  
Project Name: Devens Landfill  
Project Location: Devens, MA

GTX #: 3544  
Test Date: 07/01/02  
Tested By: hlb  
Checked By: jdt

Boring #	Sample ID	Depth, ft	Visual Description	Moisture Content, %	Ash Content, %	Organic Matter, %
—	DLRP-TS-08	—	Moist, brown sand with organics	5.4	98.0	2.0

Notes: Moisture content determined by Method A & reported as a percentage of oven-dried mass; dried to constant mass at temperature of 110 °C  
Ash content and organic matter determined by Method C; dried to constant mass at temperature of 440 °C

Notes: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.



**pH of Soils by ASTM D 4972**

Client: Stone & Webster  
Project Name: Devens Landfill  
Project Location: Devens, MA

GTX #: 3544  
Test Date: 07/01/02  
Tested By: hlb  
Checked By: jdt

Sample Preparation: screened through #10 sieve

Boring #	Sample ID	Depth, ft	Visual Description	pH
—	DLRP-TS-08	—	Moist, brown sand with organics	5.5

Notes: solution: water: 10 mL water : 10 g soil

Notes: These results apply only to the sample tested for the specific test conditions. The test procedures employed follow accepted industry practice and the indicated test method. GeoTesting Express has no specific knowledge as to conditioning, origin, sampling procedure or intended use of the material.

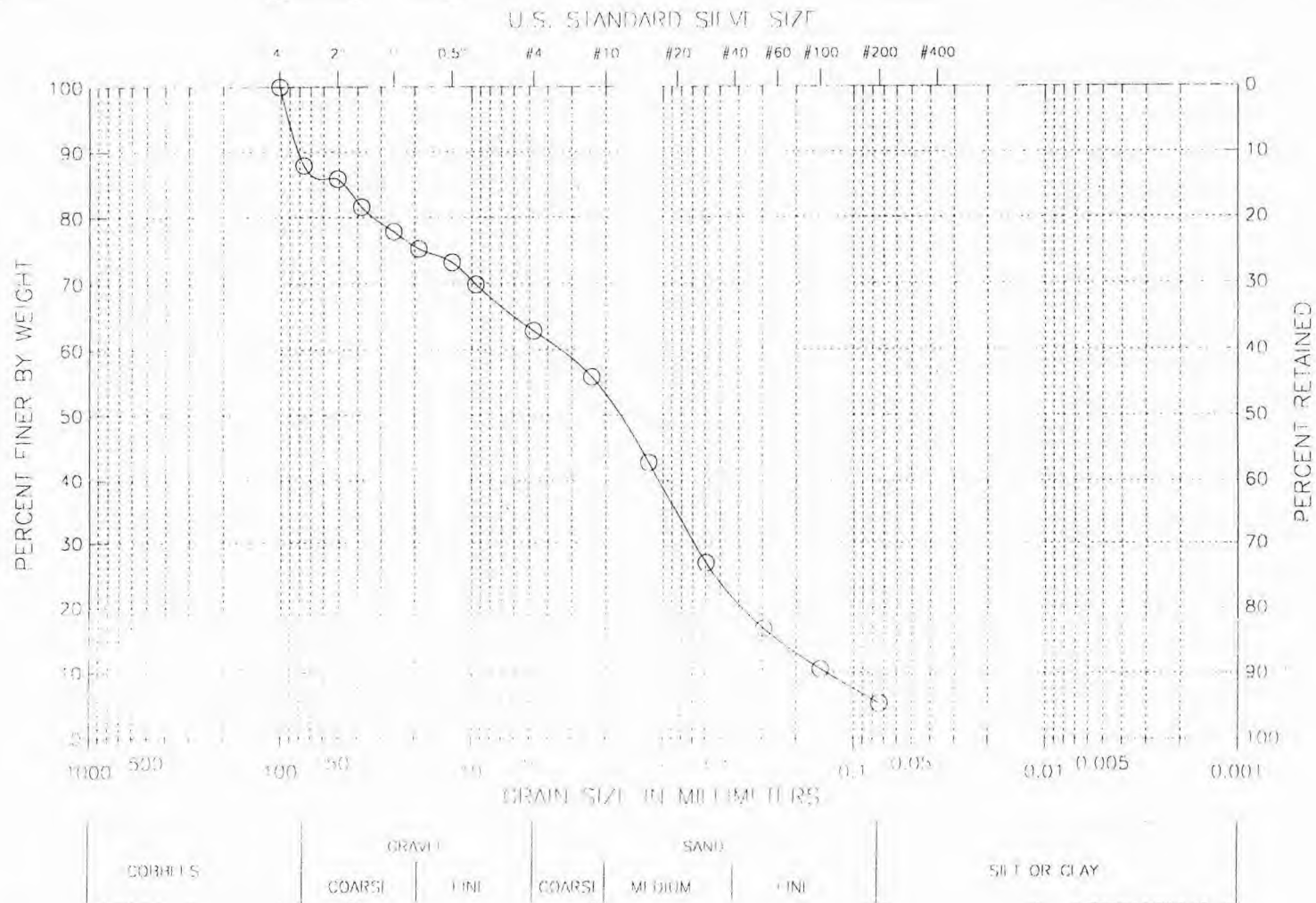
## CHAIN OF STUDY

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[illegible]

Haring File: DLRP  
 Sample No: KONAN 1  
 Test Method: ASTM D 422  
 Filename: D1 KONAN1

Project: Deyong Landfill  
 Project No: GEX 3544  
 Location:  
 Date: Tue Apr 30 2002



Classification: (SP, SW) Poorly graded sand with silts and gravel  
 Visual Description: Moist, brown sand with silt and gravel

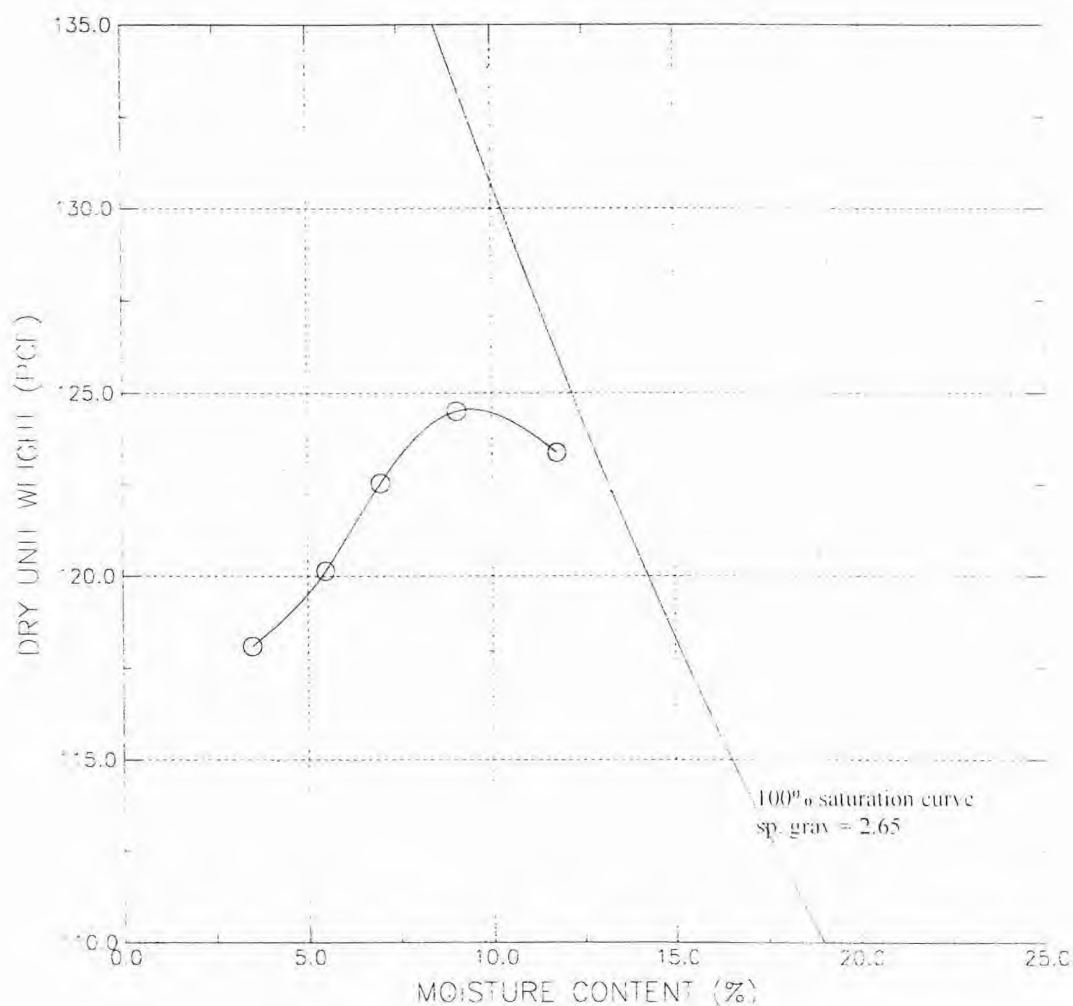
Figure 3





Boring No. : DLRP	Project : Devens Landfill
Sample No. : KONAN-1	Project No. : GTX-3544
Test Method : ASTM D 1557	Location : ---
Filename : DLKONAN1	Test Date : 04/27/02

### Moisture-Density Relationship



Sample Description : Moist. brown sand with silt and gravel  
 Compaction Test Designation : ASTM D1557-C  
 Maximum Dry Density : 124.6 PCF  
 Optimum Moisture Content : 9.4 %  
 Corrected Maximum Dry Density : 132.9 PCF  
 Corrected Optimum Moisture Content : 7.1%

Figure 3

GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill  
 Subject No. : GTX-3544  
 Boring No. : DLRP  
 Sample No. : KONAN-1  
 Location : --  
 Soil Description : Moist, brown sand with silt and gravel  
 Remarks : --

Depth : --  
 Test Date : 04/27/02  
 Test Method : ASTM D 1557

Filename : DLKONAN  
 Elevation : --  
 Tested By : ccp/clg  
 Checked by : jdt

COMPACTION TEST

Mold ID :  
 Method Used : ASTM D1557-C  
 Volume of Mold : 0.075 ft<sup>3</sup>  
 Mass of Mold : 6138 gm  
 Specific Gravity : 2.65

Moisture Content ID	Mass of Container gm	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold - Specimen (gm)	Moisture Content %	Dry Density (PCF)
ds02b	8.28	350.72	339.14	10296.00	8.0	118.1
ovster	8.16	351.50	333.60	10450.00	8.0	120.1
pur22	8.20	345.54	323.44	10595.00	7.0	122.8
ds048	8.18	404.72	371.78	10797.00	8.0	124.6
n2	8.16	390.18	349.97	10820.00	11.0	123.4
Optimum Dry Density = 124.6 PCF						
Optimum Moisture Content = 9.5 %						

Oversize correction ( 27% > 3/4 inch sieve ):

Corrected Maximum Dry Density : 132.9 PCF  
 Corrected Optimum Moisture Content : 7.1%

# ATTERBERG LIMITS

PROJECT Devens Landfill	PROJECT NUMBER GTX-3544	TESTED BY ccp/clg	BORING NUMBER DLRP
LOCATION ---		CHECKED BY jdt	SAMPLE NUMBER Konan-
SAMPLE DESCRIPTION Moist, brown sand with silt and gravel		DATE Tue Apr 30 2002	FILENAME DLKONAN1

## LIQUID LIMIT DETERMINATIONS

CONTAINER NUMBER					
WT. WET SOIL + TARE					
WT. DRY SOIL + TARE					
WT. WATER					
TARE WT.					
WT. DRY SOIL					
WATER CONTENT, $W_N$ (%)					
NUMBER OF BLOWS, N					
ONE-POINT LIQUID LIMIT, LL					

## PLASTIC LIMIT DETERMINATIONS

CONTAINER NUMBER					
WT. WET SOIL + TARE					
WT. DRY SOIL + TARE					
WT. WATER					
TARE WT.					
WT. DRY SOIL					
WATER CONTENT (%)					

Determined to be Non-plastic.

## SUMMARY OF RESULTS

NATURAL WATER CONTENT, W (%)	4.9
LIQUID LIMIT, LL	
PLASTIC LIMIT, PL	
PLASTICITY INDEX, PI	
LIQUIDITY INDEX, $L_I^*$	

$$*L_I = (W - PL)/PI$$

## PLASTICITY CHART

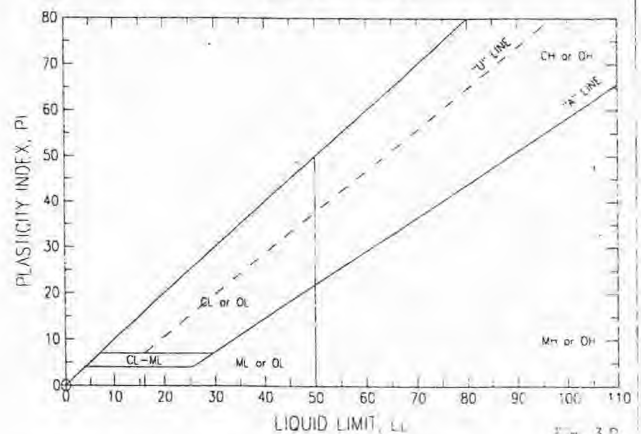
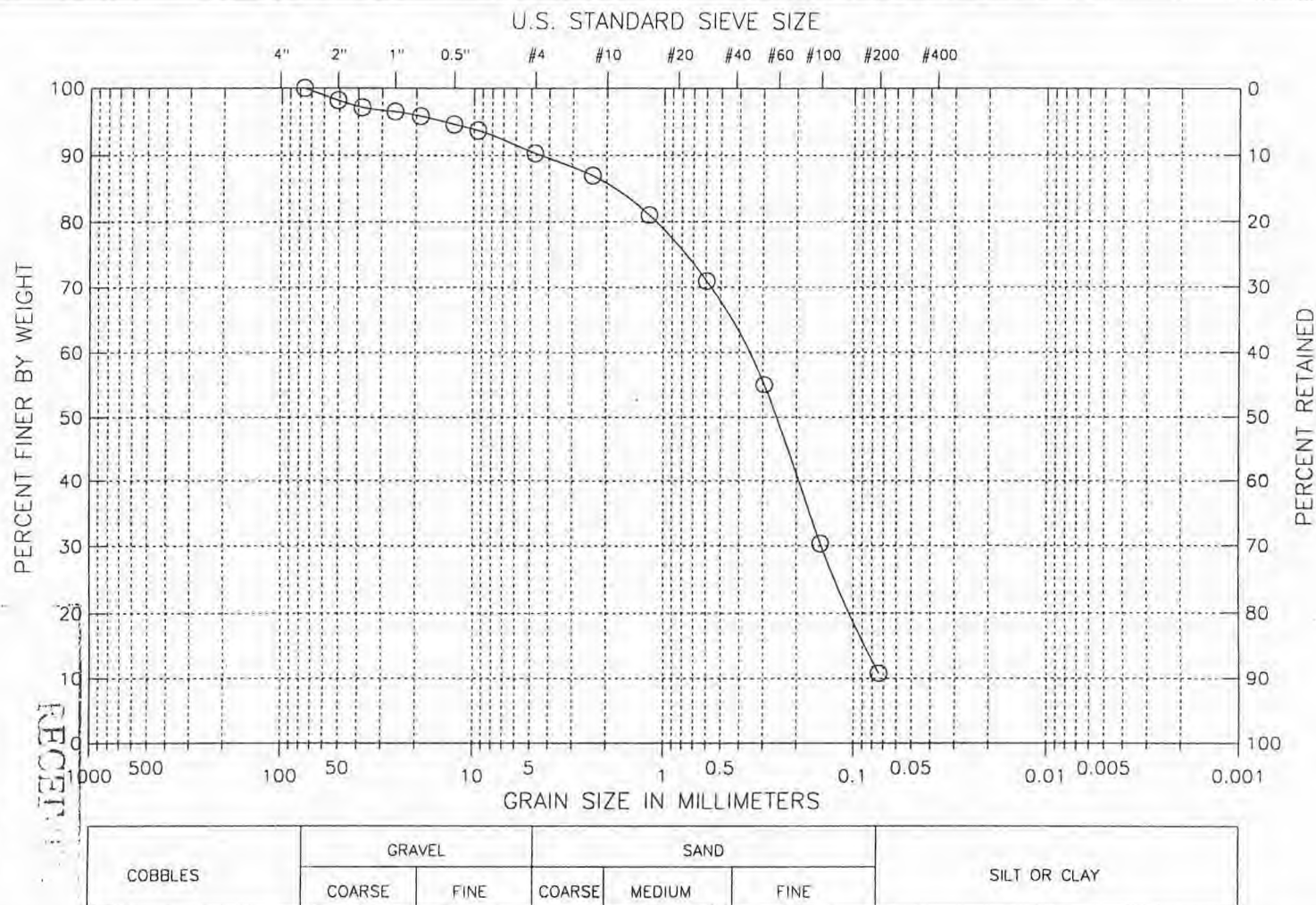


Fig. 3.0

Boring No. : DLRP  
 Sample No.: KONAN-02  
 Test Method ASTM D 422  
 Filename : KONAN02

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: ---  
 Date : Fri May 24 2002



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 ENGINEERS AND ARCHITECTS

JUN 03 2002

Classification :

Remarks :

Visual Description :

Moist, light yellowish brown sand w/ silt & gravel



## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill  
 Project No. : GTX-3544  
 Boring No. : DLRP  
 Sample No. : KONAN-02  
 Location : ---  
 Soil Description : Moist, light yellowish brown sand w/ silt & gravel  
 Remarks : ---

Depth : ---  
 Test Date : 05/20/02  
 Test Method : ASTM D 698

Filename : KONAN02  
 Elevation : ---  
 Tested by : jlg  
 Checked by : jdt

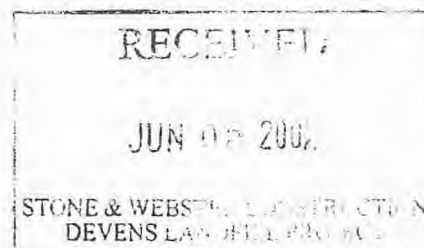
## COMPACTION TEST

Mold ID :  
 Method Used : ASTM D698-A  
 Volume of Mold : 0.0333 ft<sup>3</sup>  
 Mass of Mold : 4258 gm  
 Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
harry	8.08	223.14	210.43	5980.00	6.3	107.3
mdi59	8.28	224.85	207.68	6016.00	8.6	107.2
wrkn	9.67	264.65	240.41	6089.00	10.5	109.7
ergot	8.19	265.59	235.79	6159.00	13.1	111.3
cood	9.64	255.73	222.98	6166.00	15.4	109.5
Optimum Dry Density = 111.3 PCF						
Optimum Moisture Content = 12.7 %						

Oversize correction ( 10% > No. 4 sieve ):

Corrected Maximum Dry Density : 114.8 PCF  
 Corrected Optimum Moisture Content : 11.5%



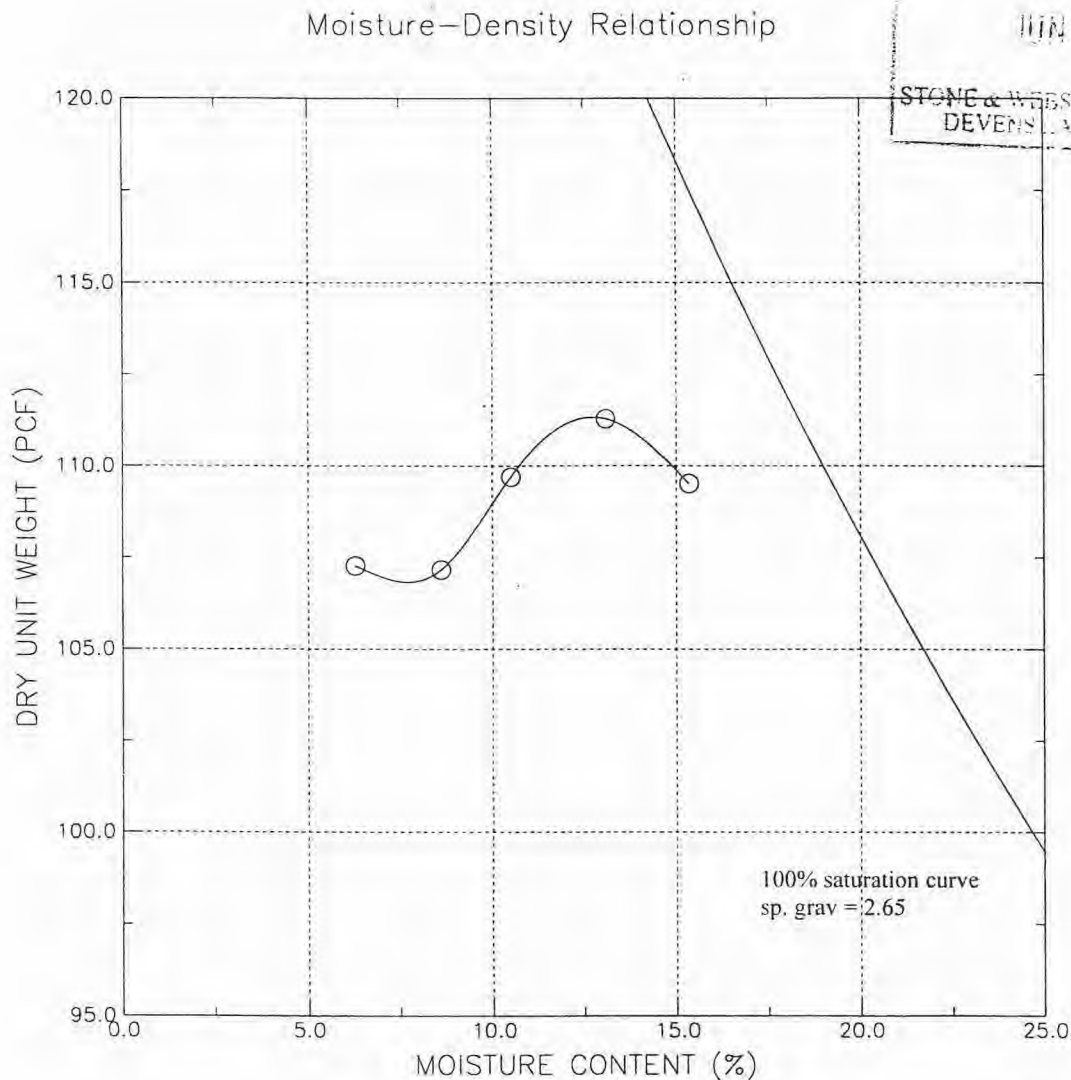
Boring No. : DLRP  
Sample No. : KONAN-02  
Test Method : ASTM D 698  
Filename : KONAN02

Project : Devens Landfill  
Project No. : GTX-3544  
Location : ---  
Test Date : 05/20/02

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DEVENS LANDFILL PROJECT



Sample Description : Moist, light yellowish brown sand w/ silt & gravel  
Compaction Test Designation : ASTM D698-A  
Maximum Dry Density : 111.3 PCF  
Optimum Moisture Content : 12.7 %  
Corrected Maximum Dry Density : 114.8 PCF  
Corrected Optimum Moisture Content : 11.5%

Figure 3

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Project No. : GTX-3544

Boring No. : DLRP

Sample No. : KONAN-02

Location : ---

Soil Description : Moist, light yellowish brown sand w/ silt &amp; gravel

Remarks : ---

Depth : ---

Test Date : 05/20/02

Test Method : ASTM D 422

Filename : KONAN02

Elevation : ---

Tested by : jlg

Checked by : jdt

Sieve Mesh	Sieve Openings		COARSE SIEVE SET		Percent Finer (%)
	Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	
3"	2.996	76.10	0.00	0.00	100
2"	2.000	50.80	388.00	388.00	98
1.5"	1.500	38.10	229.00	617.00	97
1"	1.012	25.70	131.00	748.00	96
0.75"	0.748	19.00	145.00	893.00	96
0.5"	0.500	12.70	262.00	1155.00	95
0.375"	0.374	9.51	189.00	1344.00	94
#4	0.187	4.75	723.00	2067.00	90

Total Dry Weight of Sample = 21370

Sieve Mesh	Sieve Openings		FINE SIEVE SET		Percent Finer (%)
	Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	
#8	0.093	2.36	11.92	11.92	87
#16	0.047	1.19	21.58	33.50	81
#30	0.023	0.60	36.44	69.94	71
#50	0.012	0.30	57.39	127.33	55
#100	0.006	0.15	88.93	216.26	30
#200	0.003	0.07	70.49	286.75	11
Pan			38.86	325.61	0

Total Dry Weight of Sample = 333.73

D85 : 1.8730 mm

D60 : 0.3676 mm

D50 : 0.2568 mm

D30 : 0.1472 mm

D15 : 0.0861 mm

D10 : 0.0720 mm

## Soil Classification

ASTM Group Symbol : N/A

ASTM Group Name : N/A

AASHTO Group Symbol : A-1-a(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand

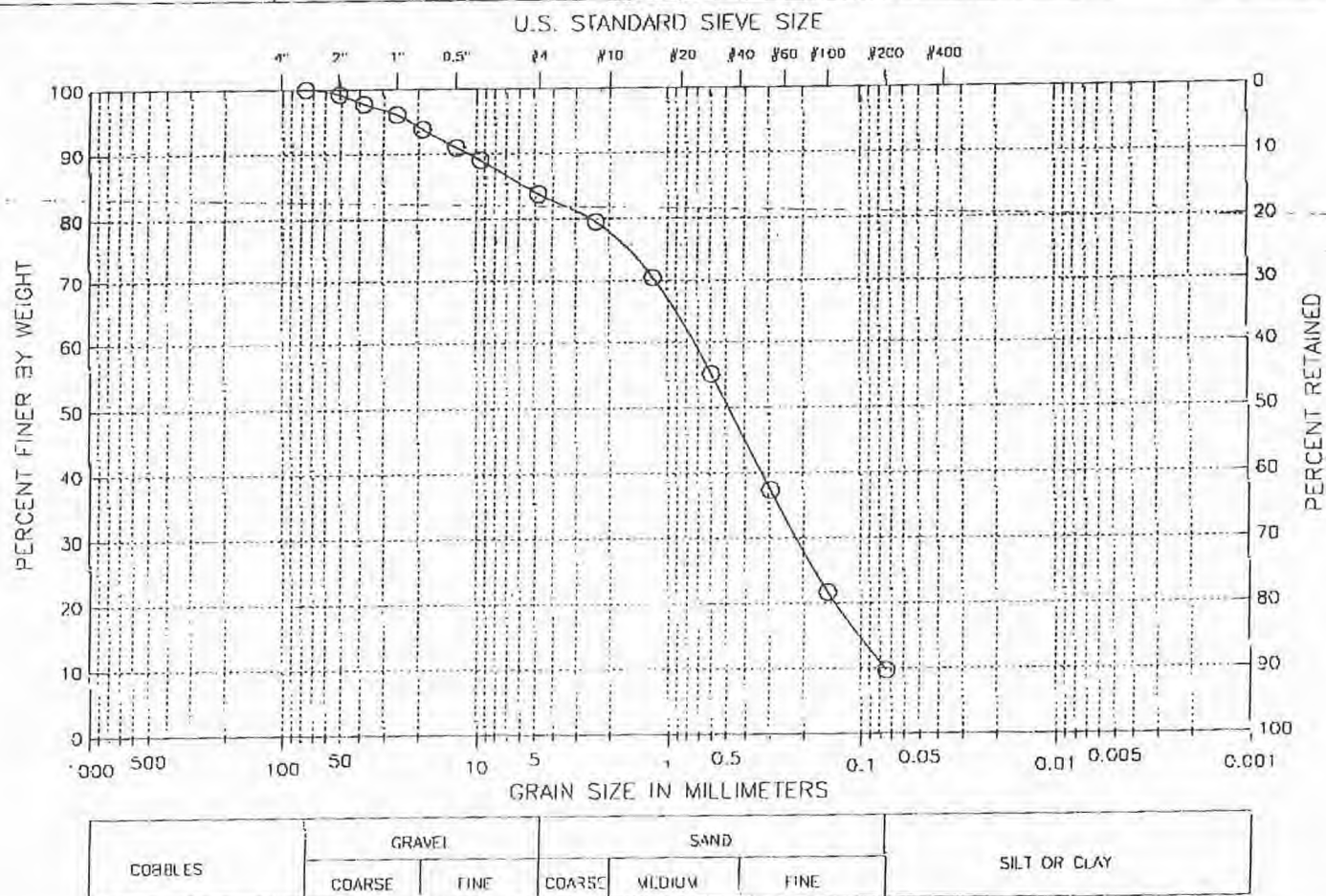
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DEVENS, MA 01925

Boring No.: DLRP  
 Sample No.: KONAN-03  
 Test Method ASTM D 422  
 Filename : KONAN03

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: ---  
 Date : Tue Jun 11 2002



Classification :

Remarks :

Visual Description :

Moist, yellowish brown sand with silt and gravel

Figure 2



Tue 11 15:34:46 2002

Page : 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill  
 Project No. : GTX-3544  
 Boring No. : DLRP  
 Sample No. : KONAN-03  
 Location : ---  
 Soil Description : Moist, yellowish brown sand with silt and gravel  
 Remarks : ---

Depth : ---  
 Test Date : 06/06/02  
 Test Method : ASTM D 422

Filename : KONAN03  
 Elevation : ---  
 Tested by : sxp/cmc  
 Checked by : jdt

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
3"	2.996	76.10	0.00	0.00	100
2"	2.000	50.80	218.00	218.00	99
1.5"	1.500	38.10	411.00	629.00	98
1"	1.012	25.70	453.00	1082.00	96
0.75"	0.748	19.00	621.00	1703.00	94
0.5"	0.500	12.70	796.00	2499.00	91
0.375"	0.374	9.51	522.00	3021.00	89
#4	0.187	4.75	1436.00	4457.00	84

Total Dry Weight of Sample = 27450

## FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#8	0.093	2.36	12.51	12.51	80
#15	0.047	1.19	26.71	39.22	70
	0.023	0.60	45.01	84.23	55
	0.012	0.30	52.33	136.56	37
	0.006	0.15	46.13	182.69	22
#200	0.003	0.07	35.26	217.95	10
Pan			28.42	246.37	0

Total Dry Weight of Sample = 254.54

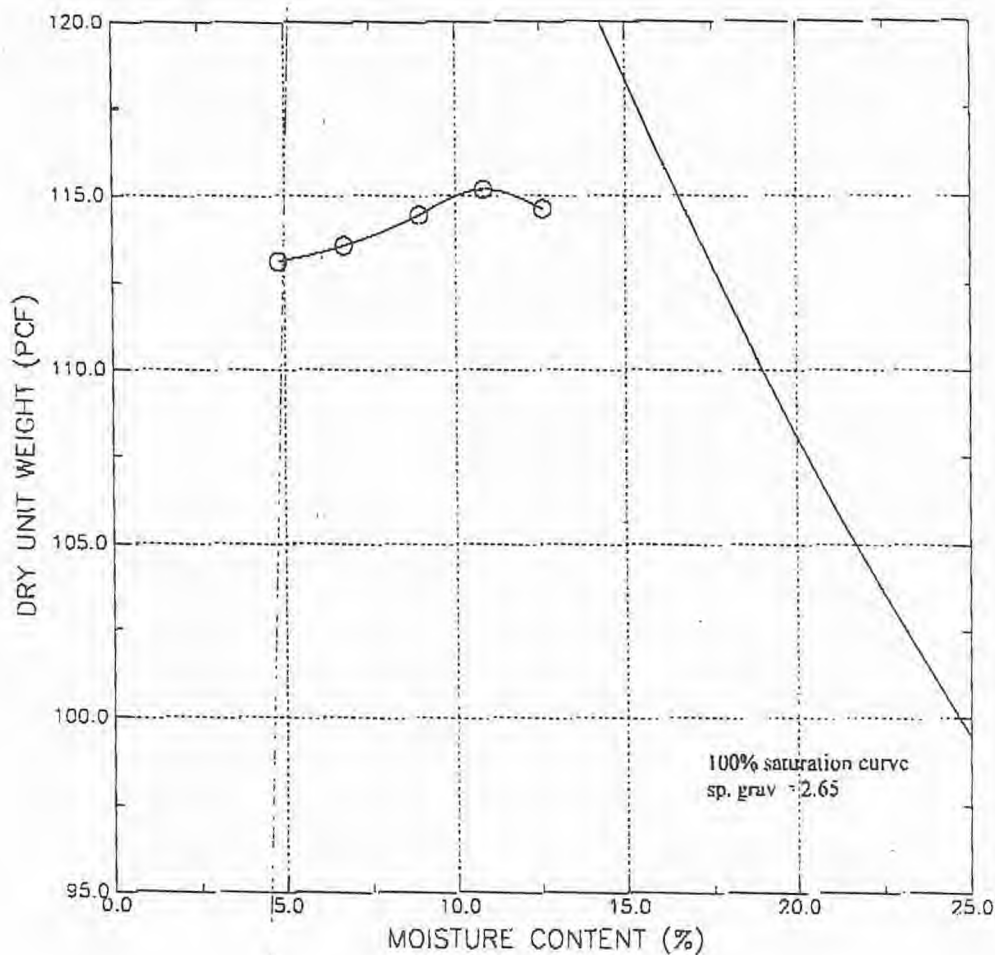
D85 : 5.5972 mm  
 D60 : 0.7420 mm  
 D50 : 0.4861 mm  
 D30 : 0.2143 mm  
 D15 : 0.1011 mm  
 D10 : 0.0755 mm

## Soil Classification

ASTM Group Symbol : N/A  
 ASTM Group Name : N/A  
 AASHTO Group Symbol : A-1-a(0)  
 AASHTO Group Name : Stone Fragments, Gravel and Sand

Boring No. : DLRP	Project : Devens Landfill
Sample No. : KONAN-03	Project No. : CTX-3541
Test Method : ASTM D 698	Location : ---
Filename : KONAN03	Test Date : 06/06/02

## Moisture-Density Relationship



Sample Description : Moist, yellowish brown sand with silt and gravel  
Compaction Test Designation : ASTM D698-A  
Maximum Dry Density : 115.2 PCF  
Optimum Moisture Content : 10.9 %  
Corrected Maximum Dry Density : 120.9 PCF  
Corrected Optimum Moisture Content : 9.3%

Figure 2

Tu 11 15:36:03 2002

Page : 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Project No. : GTX-3544

Boring No. : DLRP

Sample No. : KONAN-03

Location : ---

Soil Description : Moist, yellowish brown sand with silt and gravel

Remarks : ---

Filename : KONAN03

Elevation : - -

Tested by : srp/cmt

Checked by : jdt

Depth : ---

Test Date : 06/06/02

Test Method : ASTM D 698

## COMPACTION TEST

Mold ID :  
 Method Used : ASTM D698-A  
 Volume of Mold : 0.0333 ft<sup>3</sup>  
 Mass of Mold : 4332 gm  
 Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
kib	8.27	277.39	265.01	6123.00	4.8	113.1
rp11	8.30	228.18	214.30	6163.00	6.7	113.6
gtx1	8.20	334.79	308.03	6215.00	8.9	114.4
donuts	8.24	446.75	403.93	6260.00	10.8	115.2
tab5	8.10	482.56	429.56	6281.00	12.6	114.0

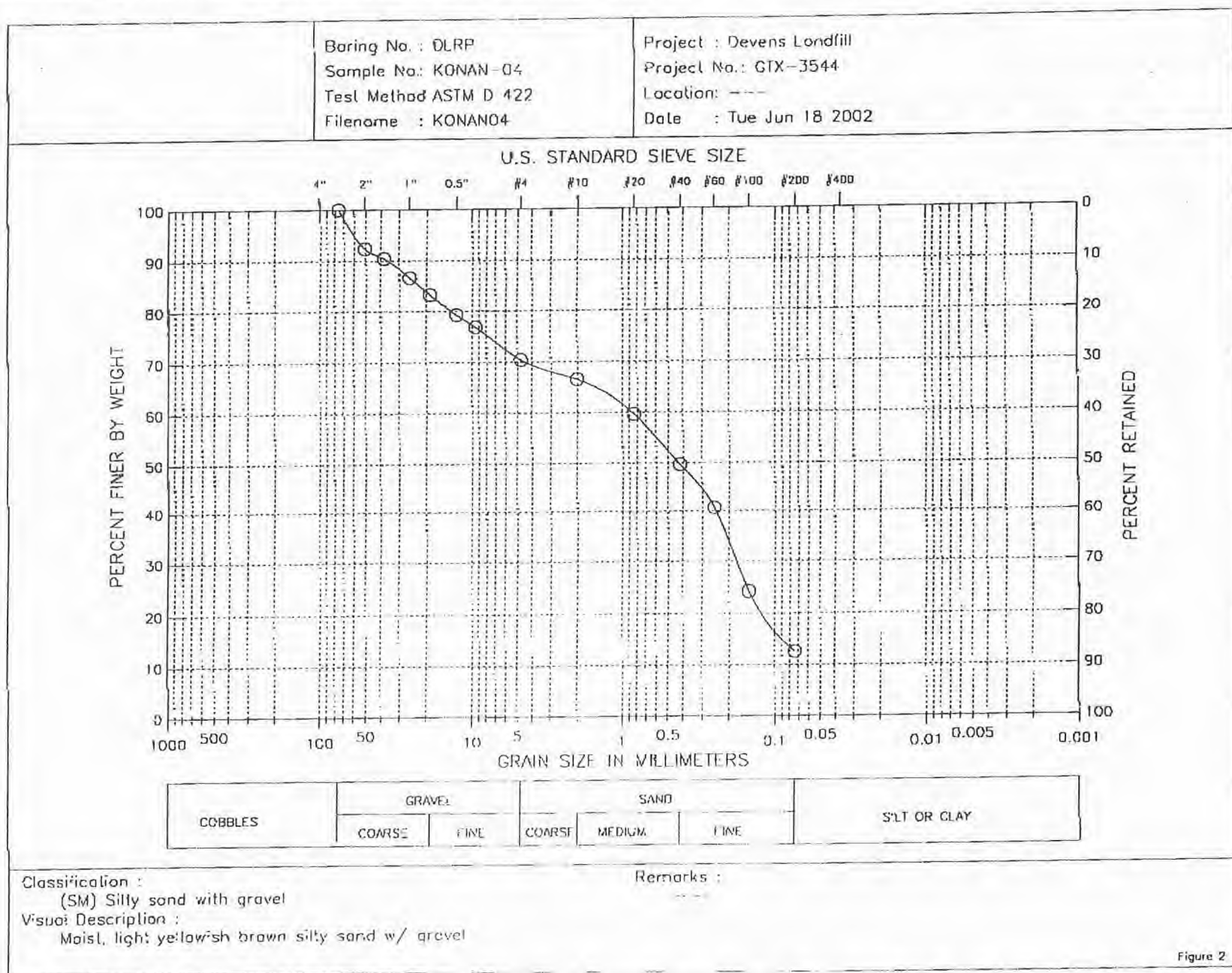
Optimum Dry Density = 115.2 PCF

Optimum Moisture Content = 10.9 %

size correction ( 16% &gt; No. 4 sieve ):

Corrected Maximum Dry Density : 120.9 PCF

Corrected Optimum Moisture Content : 9.3%





Tue Jun 18 11:42:14 2002

Page : 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devons Landfill

Filename : KONAN04

Project No. : GTX-3544

Depth : ---

Elevation : --

Boring No. : DLRP

Test Date : 06/17/02

Tested by : srp

Sample No. : KONAN-04

Test Method : ASTM D 422

Checked by : jgi

Location : ---

Soil Description : Moist, light yellowish brown silty sand w/ gravel

Remarks : ---

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
3"	2.996	76.10	0.00	0.00	100
2"	2.000	50.80	1701.00	1701.00	92
1.5"	1.500	38.10	424.00	2125.00	90
1"	1.012	25.70	863.00	2988.00	87
# 75	0.748	19.00	743.00	3731.00	83

Total Dry Weight of Sample = 22340

## FINE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
# 80	0.500	12.70	15.50	15.52	79
# 100	0.375	9.51	1.40	24.92	77
# 120	0.187	4.75	24.70	49.62	74
# 150	0.075	2.00	15.00	64.62	67
# 200	0.075	0.84	24.80	91.42	60
# 40	0.017	0.42	15.50	129.92	50
# 60	0.010	0.25	44.80	164.72	41
# 100	0.006	0.15	15.50	228.22	24
# 200	0.002	0.075	15.50	273.22	13
pan			15.50	322.72	

Total Dry Weight of Sample = 137.95

D85 30.2002 mm  
D60 16.750 mm  
D50 10.295 mm  
D30 4.1786 mm  
D15 0.0657 mm  
D10 0.0633 mm

## Soil Classification

ASTM Group Symbol : SM  
ASTM Group Name : Silty sand with gravel  
AASHTO Group Symbol : A-1-b(0)  
AASHTO Group Name : Stone Fragments Gravel and Sand

## ATTERBERG LIMITS

PROJECT Devens Landfill	PROJECT NUMBER CTX-3544	TESTED BY srp	BORING NUMBER DLRP
LOCATION ---	CHECKED BY jdl	SAMPLE NUMBER KONAN-04	
SAMPLE DESCRIPTION Moist, light yellowish brown silty sand w/ gravel	DATE Tue Jun 18 2002	FILENAME KONAN04	

## LIQUID LIMIT DETERMINATIONS

CONTAINER NUMBER					
WT. WET SOIL + TARE					
WT. DRY SOIL + TARE					
WT. WATER					
TARE WT.					
WT. DRY SOIL					
WATER CONTENT, $w_N$ (%)					
NUMBER OF BLOWS, N					
ONE-POINT LIQUID LIMIT, LL					

## PLASTIC LIMIT DETERMINATIONS

CONTAINER NUMBER					
WT. WET SOIL + TARE					
WT. DRY SOIL + TARE					
WT. WATER					
TARE WT.					
WT. DRY SOIL					
WATER CONTENT (%)					

Determined to be Non-plastic.

## SUMMARY OF RESULTS

NATURAL WATER CONTENT, $w$ (%)	6.0
LIQUID LIMIT, LL	
PLASTIC LIMIT, PL	
PLASTICITY INDEX, PI	
LIQUIDITY INDEX, $LI^*$	

$$*LI = (w - PL)/PI$$

## PLASTICITY CHART

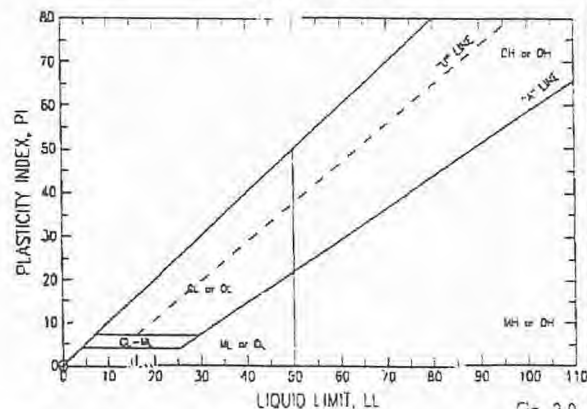
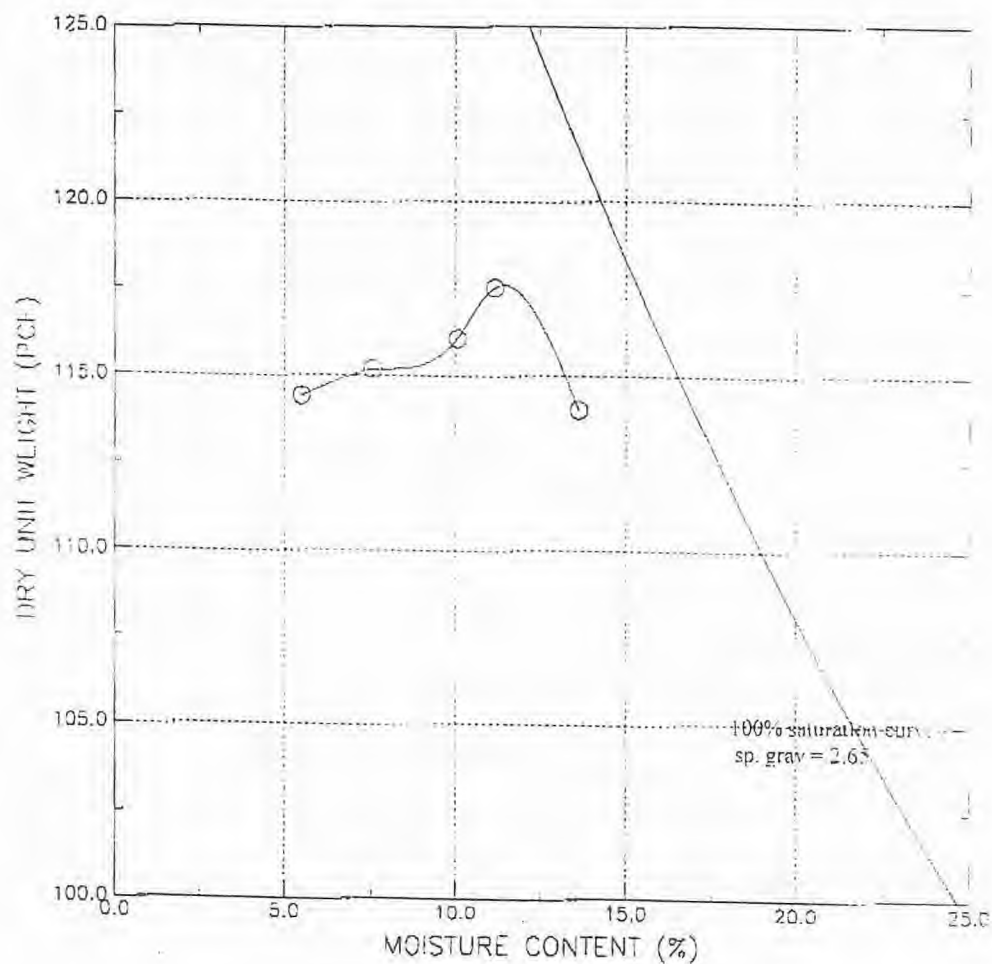


Fig. 2.0

Boring No. : DLRP	Project : Devens Landfill
Sample No. : KONAN-04	Project No. : GTX-3544
Test Method : ASTM D 422	Location : ---
Filename : KONAN04	Test Date : 06/17/02

## Moisture-Density Relationship



Sample Description	: Moist, light yellowish brown silty sand w/ gravel
Compaction Test Designation	: ASTM D698-C
Maximum Dry Density	: 117.6 PCF
Optimum Moisture Content	: 11.4 %
Corrected Maximum Dry Density	: 123.1 PCF
Corrected Optimum Moisture Content	: 9.6%

Figure 2

Tue Jun 18 11:43:26 2002

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## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill  
 Project No. : GTX-3544  
 Boring No. : DLRP  
 Sample No. : KONAN-04  
 Location : ---  
 Soil Description : Moist, light yellowish brown silty sand w/ gravel  
 Remarks : ---

Depth : ---  
 Test Date : 06/17/02  
 Test Method : ASTM D 422  
 Elevation : ---  
 Tested by : srp  
 Checked by : jdt

Filename : KONAN04

## COMPACTION TEST

Mold ID :  
 Method Used : ASTM D698-C  
 Volume of Mold : 0.075 ft<sup>3</sup>  
 Mass of Mold : 6218 gm  
 Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
ditch	9.01	270.45	256.81	10325.00	5.5	114.4
rb29	8.21	307.05	286.11	10432.00	7.5	115.2
md119	8.24	323.67	294.85	10564.00	10.1	116.1
cgbl19	9.20	366.94	330.99	10663.00	11.3	117.5
peg16	8.17	321.97	284.35	10626.00	13.6	114.0

Optimum Dry Density = 117.6 PCF  
 Optimum Moisture Content = 11.4 %

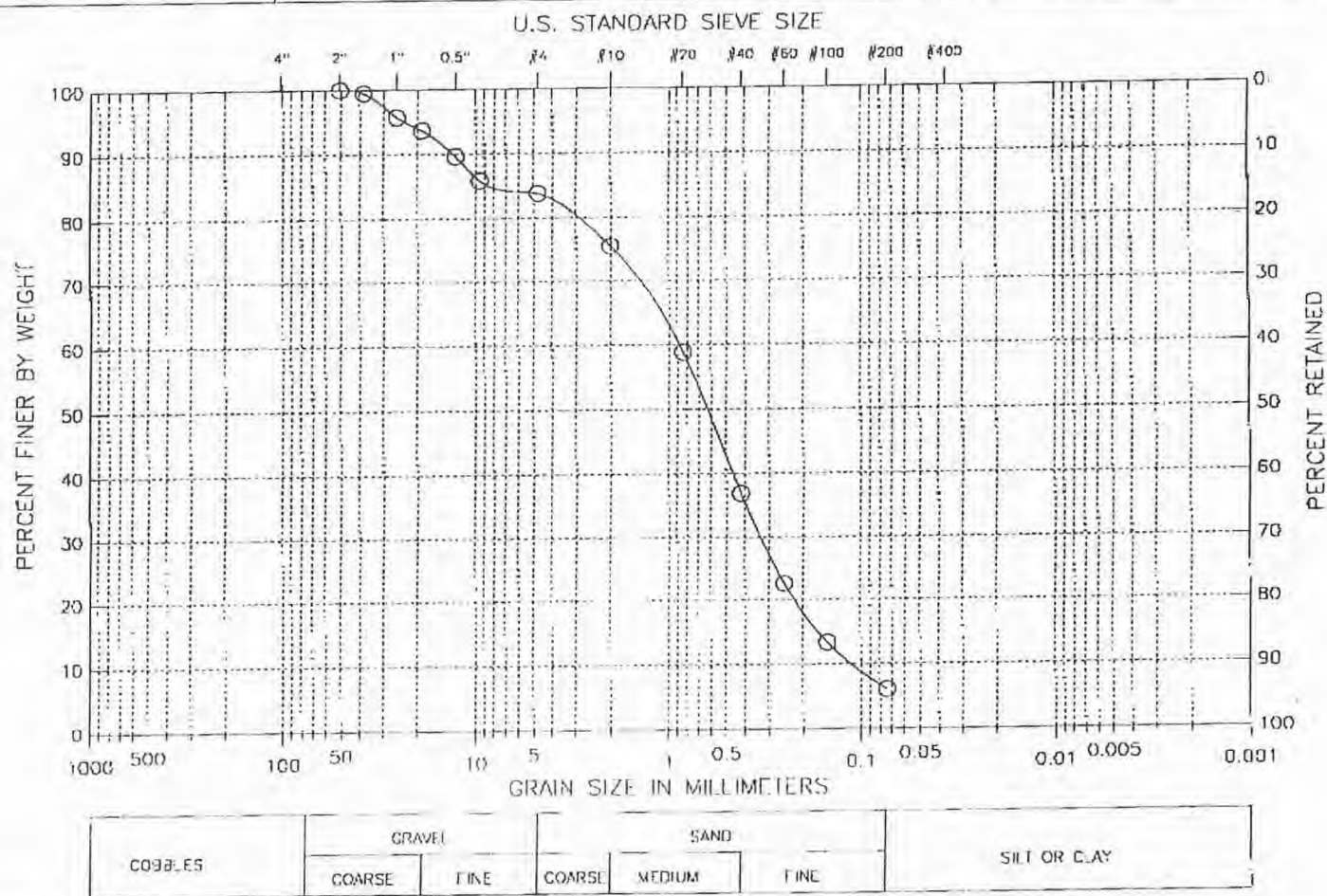
Oversize correction ( 17% > 3/4 inch sieve ):

Corrected Maximum Dry Density : 123.1 PCF  
 Corrected Optimum Moisture Content : 9.6%



Boring No.: DLRP  
 Sample No.: KONAN-05  
 Test Method ASTM D 422  
 Filename : KONAN5

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: ---  
 Date : Tue Jun 18 2002



Classification :

Remarks :

Visual Description :

Moist, light yellowish brown sand w/ silt & gravel

Figure 3

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## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill  
 Project No. : GTX-3544  
 Boring No. : DLRP  
 Sample No. : KONAN-05  
 Location : ---  
 Soil Description : Moist, light yellowish brown sand w/ silt & gravel  
 Remarks : ---

Depth : ---  
 Test Date : 06/17/02  
 Test Method : ASTM D 422

Filename : KONANS  
 Elevation : ---  
 Tested by : srp  
 Checked by : jdr

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
3"	2.000	50.80	0.00	0.00	100
1.5"	1.500	38.10	119.00	119.00	99
1"	1.012	25.70	848.00	967.00	96
0.75"	0.748	19.00	461.00	1428.00	94
0.5"	0.500	12.70	921.00	2349.00	90
0.375"	0.374	9.51	849.00	3198.00	86

Total Dry Weight of Sample = 22639

## FINE SIEVE SET

Sieve Mesh	Sieve Openings Inches	Millimeters	Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
#4	0.187	4.75	7.12	7.12	84
#10	0.079	2.00	29.20	36.32	75
#20	0.033	0.84	57.09	93.41	59
#40	0.017	0.42	75.98	169.39	37
#60	0.010	0.25	49.30	218.69	23
#100	0.006	0.15	32.12	250.81	13
#200	0.003	0.07	25.15	275.96	6
Pan			20.85	296.81	0

Total Dry Weight of Sample = 305.01

D85 : 7.0840 mm  
 D60 : 0.8934 mm  
 D50 : 0.6359 mm  
 D30 : 0.3272 mm  
 D15 : 0.1637 mm  
 D10 : 0.1084 mm

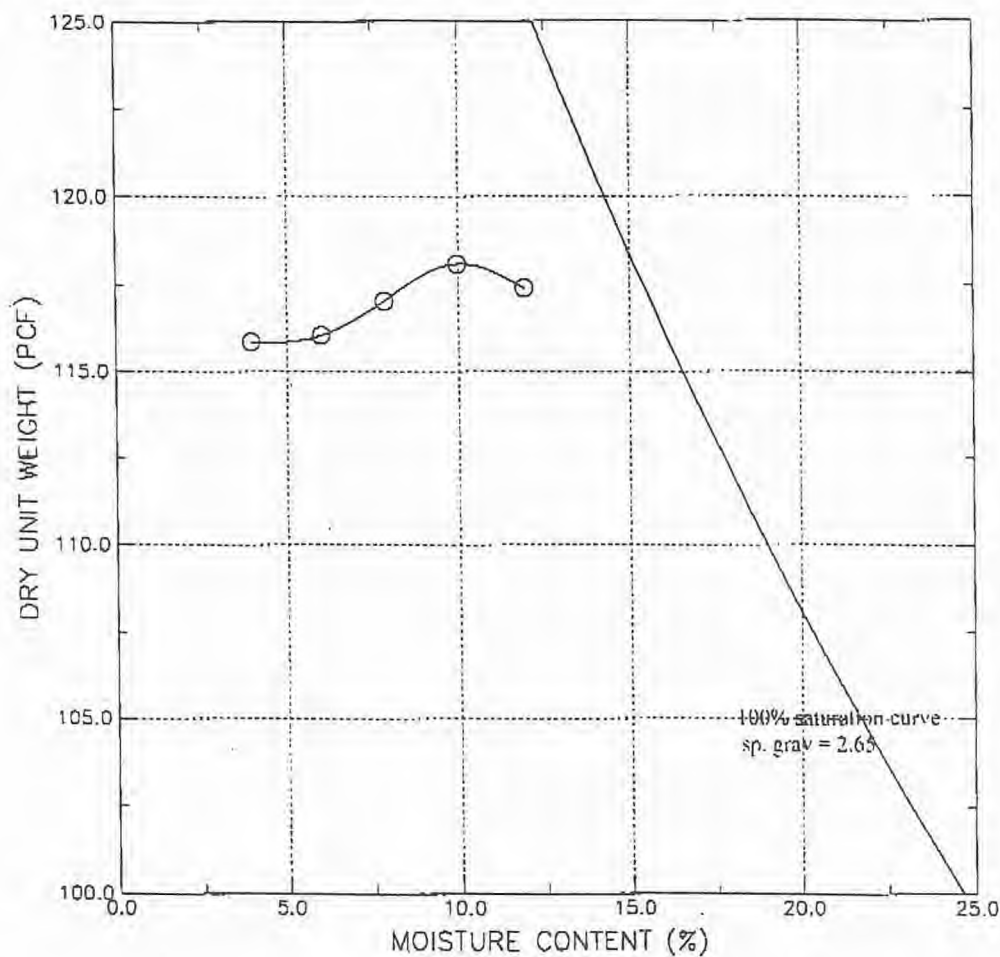
## Soil Classification

ASTM Group Symbol : N/A  
 ASTM Group Name : N/A  
 AASHTO Group Symbol : A-1-b(0)  
 AASHTO Group Name : Stone Fragments, Gravel and Sand

Boring No. : DLRP  
Sample No. : KONAN-05  
Test Method : ASTM D 698  
Filename : KONAN5

Project : Devens Landfill  
Project No. : GTX-3544  
Location : ---  
Test Date : 06/17/02

## Moisture-Density Relationship



Sample Description : Moist, light yellowish brown sand w/ silt & gravel  
Compaction Test Designation : ASTM D698-A  
Maximum Dry Density : 118.1 PCF  
Optimum Moisture Content : 10.1 %  
Corrected Maximum Dry Density : 123.3 PCF  
Corrected Optimum Moisture Content : 8.6%

Figure 3

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## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill  
 Project No. : GTX-3544  
 Boring No. : DLRP  
 Sample No. : KONAN-05  
 Location : ---  
 Soil Description : Moist, light yellowish brown sand w/ silt & gravel  
 Remarks : ---

Depth : ---  
 Test Date : 06/17/02  
 Test Method : ASTM D 698  
 Filename : KONAN5  
 Elevation : ---  
 Tested by : sfp  
 Checked by : jdt

## COMPACTION TEST

Mold ID :  
 Method Used : ASTM D698-A  
 Volume of Mold : 0.0333 ft<sup>3</sup>  
 Mass of Mold : 5263 gm  
 Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
hhh	8.20	261.91	252.27	7082.00	3.9	115.9
clap	9.64	258.62	244.51	7121.00	6.0	116.0
runas	8.06	247.29	229.88	7169.00	7.8	117.0
mod	8.22	240.83	219.76	7224.00	10.0	118.1
lu	9.71	260.73	234.05	7247.00	11.9	117.4

Optimum Dry Density = 118.1 PCF

Optimum Moisture Content = 10.1 %

Oversize correction ( 16% &gt; 3/4 inch sieve ):

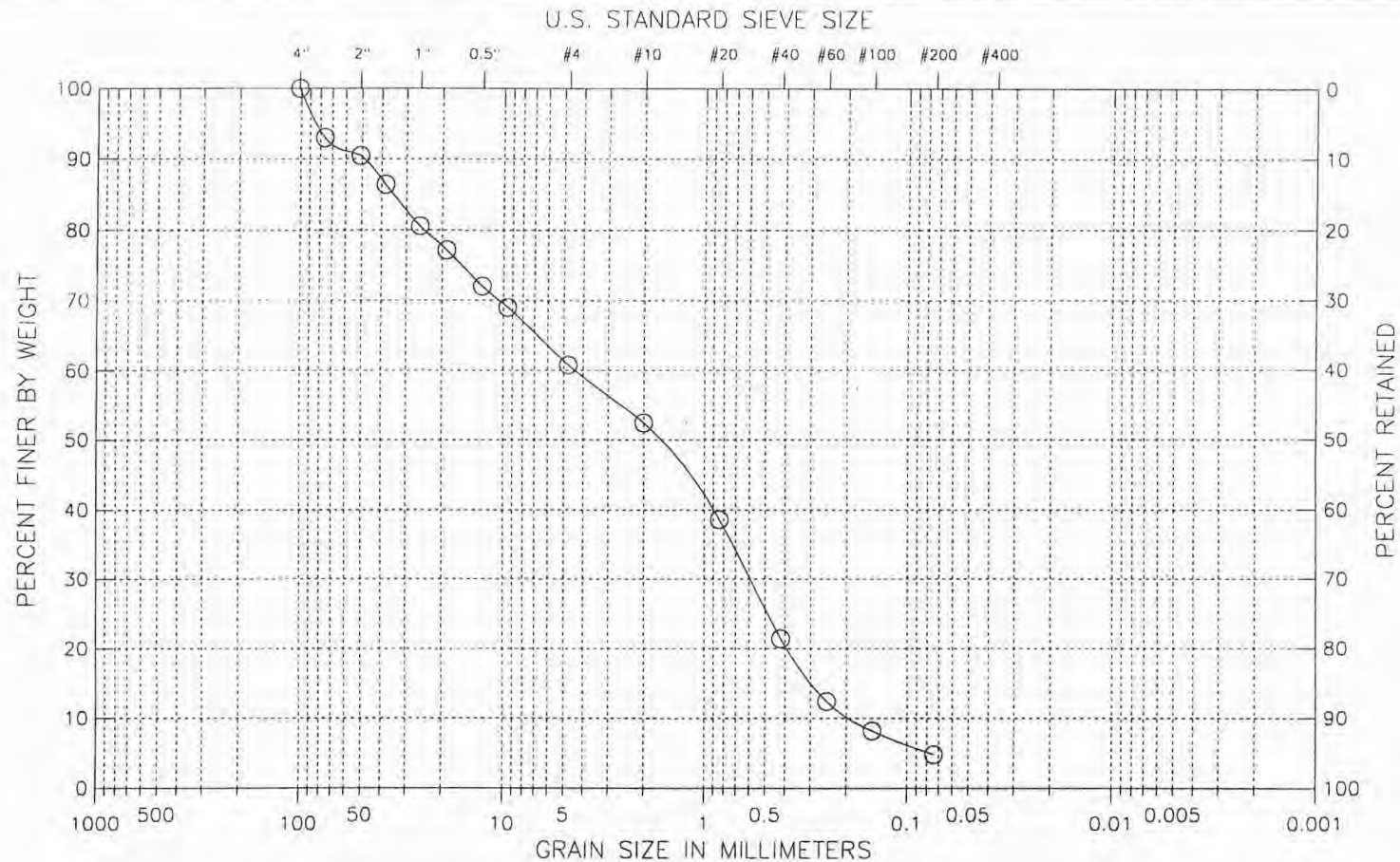
Corrected Maximum Dry Density : 123.3 PCF

Corrected Optimum Moisture Content : 8.6%



Boring No.: ---  
 Sample No.: DLRP-AOC9-CF6  
 Test Method ASTM D 422  
 Filename : AOC9CF6

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: ---  
 Date : Thu Oct 17 2002



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :  
 (SP) Poorly graded sand with gravel  
 Visual Description :  
 Moist, light olive brown sand with gravel

Remarks :

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Filename : AOC9CF6

Project No. : GTX-3544

Depth : ---

Elevation : ---

Boring No. : ---

Test Date : 10/11/02

Tested by : ja

Sample No. : DLRP-AOC9-CF6

Test Method : ASTM D 422

Checked by : jdt

Location : ---

Soil Description : Moist, light olive brown sand with gravel

Remarks :

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
4"	4.000	101.60	0.00	0.00	100
3"	2.996	76.10	2077.00	2077.00	93
2"	2.000	50.80	736.00	2813.00	90
1.5"	1.500	38.10	1194.00	4007.00	86
1"	1.012	25.70	1714.00	5721.00	81
0.75"	0.748	19.00	1013.00	6734.00	77
0.5"	0.500	12.70	1509.00	8243.00	72
0.375"	0.374	9.51	882.00	9125.00	69
#4	0.187	4.75	2430.00	11555.00	61

Total Dry Weight of Sample = 29453

## FINE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
#10	0.079	2.00	46.67	46.67	52
#20	0.033	0.84	77.29	123.96	39
#40	0.017	0.42	96.21	220.17	21
#60	0.010	0.25	50.03	270.20	12
#100	0.006	0.15	23.81	294.01	8
#200	0.003	0.07	19.00	313.01	5
Pan			26.67	339.68	0

Total Dry Weight of Sample = 347.78

D85 : 34.6679 mm

D60 : 4.3867 mm

D50 : 1.7188 mm

D30 : 0.5947 mm

D15 : 0.2902 mm

D10 : 0.1861 mm

## Soil Classification

ASTM Group Symbol : SP

ASTM Group Name : Poorly graded sand with gravel

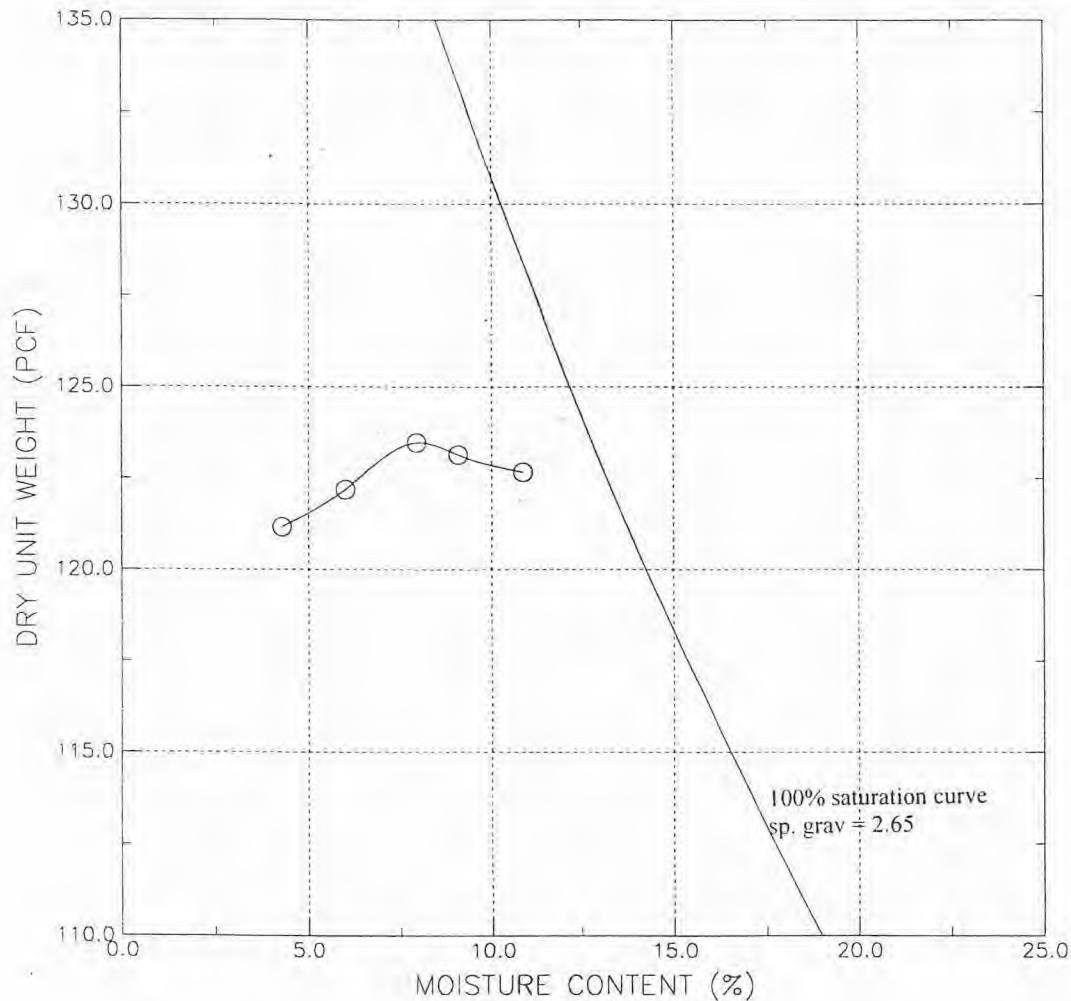
AASHTO Group Symbol : A-1-b(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand

Boring No. : DLRP  
Sample No. : AOC9-CF6  
Test Method: ASTM D 698  
Filename : AOC9CF6

Project : Devens Landfill  
Project No. : GTX-3544  
Location : ---  
Test Date : 10/11/02

### Moisture-Density Relationship



Sample Description : Moist, light olive brown sand with gravel  
Compaction Test Designation : ASTM D698-C  
Maximum Dry Density : 123.5 PCF  
Optimum Moisture Content : 8.0 %  
Corrected Maximum Dry Density : 130.2 PCF  
Corrected Optimum Moisture Content : 6.4%

Figure 1

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Filename : AOC9CF6

Project No. : GTX-3544

Depth : ---

Elevation : ---

Boring No. : DLRP

Test Date : 10/11/02

Tested by : ja

Sample No. : AOC9-CF6

Test Method : ASTM D 698

Checked by : jdt

Location : ---

Soil Description : Moist, light olive brown sand with gravel

Remarks :

## COMPACTION TEST

Mold ID :  
 Method Used : ASTM D698-C  
 Volume of Mold : 0.075 ft<sup>3</sup>  
 Mass of Mold : 6271 gm  
 Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
2	8.04	249.44	239.50	10570.00	4.3	121.2
3	8.13	240.51	227.32	10678.00	6.0	122.2
4	8.07	329.75	306.08	10805.00	7.9	123.5
5	8.19	327.36	300.76	10841.00	9.1	123.1
6	8.14	268.35	242.87	10897.00	10.9	122.7
Optimum Dry Density = 123.5 PCF						
Optimum Moisture Content = 8.0 %						

Oversize correction ( 23% &gt; 3/4 inch sieve ):

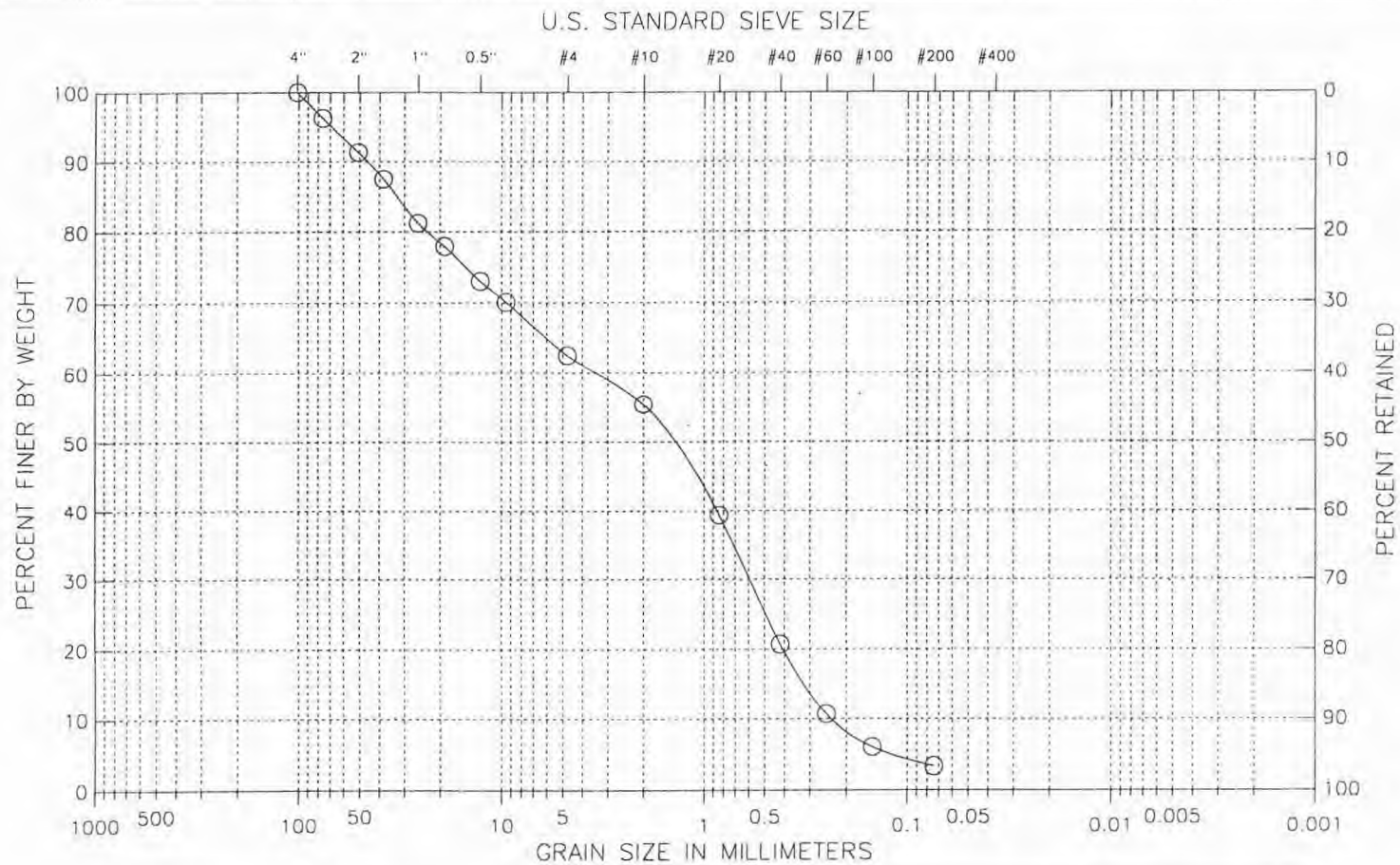
Corrected Maximum Dry Density : 130.2 PCF

Corrected Optimum Moisture Content : 6.4%



Boring No.: ---  
 Sample No.: DLRP-AOC9-CF7  
 Test Method ASTM D 422  
 Filename : AOC9CF7

Project : Devens Landfill  
 Project No.: GTX-3544  
 Location: ---  
 Date : Thu Oct 17 2002



COBBLES	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

Classification :  
 (SP) Poorly graded sand with gravel  
 Visual Description :  
 Moist, brown sand with gravel

Remarks :

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Project No. : GTX-3544

Boring No. : ---

Sample No. : DLRP-AOC9-CF7

Location : ---

Soil Description : Moist, brown sand with gravel

Remarks :

Depth : ---

Test Date : 10/11/02

Test Method : ASTM D 422

Filename : AOC9CF7

Elevation : ---

Tested by : ja

Checked by : jdt

## COARSE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
4"	4.000	101.60	0.00	0.00	100
3"	2.996	76.10	967.00	967.00	96
2"	2.000	50.80	1277.00	2244.00	91
1.5"	1.500	38.10	987.00	3231.00	88
1"	1.012	25.70	1633.00	4864.00	81
0.75"	0.748	19.00	856.00	5720.00	78
0.5"	0.500	12.70	1273.00	6993.00	73
0.375"	0.374	9.51	763.00	7756.00	70
#4	0.187	4.75	1963.00	9719.00	63

Total Dry Weight of Sample = 25932

## FINE SIEVE SET

Sieve Mesh	Sieve Openings		Weight Retained (gm)	Cumulative Weight Retained (gm)	Percent Finer (%)
	Inches	Millimeters			
#10	0.079	2.00	42.20	42.20	55
#20	0.033	0.84	96.71	138.91	39
#40	0.017	0.42	111.89	250.80	21
#60	0.010	0.25	59.93	310.73	11
#100	0.006	0.15	27.92	338.65	6
#200	0.003	0.07	16.17	354.82	3
Pan			19.98	374.80	0

Total Dry Weight of Sample = 382.88

D85 : 32.5044 mm

D60 : 3.4846 mm

D50 : 1.4900 mm

D30 : 0.5939 mm

D15 : 0.3127 mm

D20 : 0.2316 mm

## Soil Classification

ASTM Group Symbol : SP

ASTM Group Name : Poorly graded sand with gravel

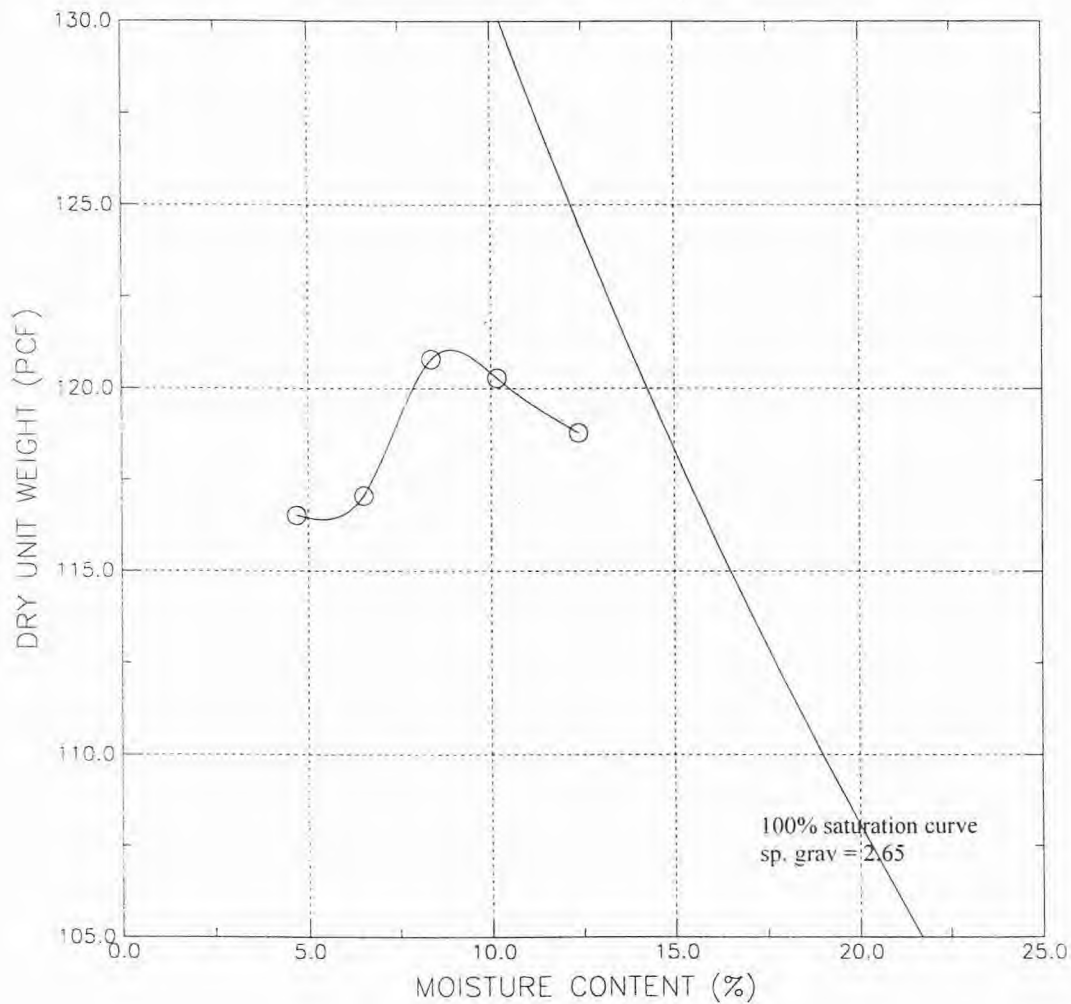
AASHTO Group Symbol : A-1-b(0)

AASHTO Group Name : Stone Fragments, Gravel and Sand

Boring No. : DLRP  
Sample No. : AOC9-CF7  
Test Method : ASTM D 698  
Filename : AOC9CF7

Project : Devens Landfill  
Project No.: GTX-3544  
Location : ---  
Test Date : 10/11/02

### Moisture-Density Relationship



Sample Description : Moist, brown sand with gravel  
Compaction Test Designation : ASTM D698-C  
Maximum Dry Density : 121.1 PCF  
Optimum Moisture Content : 8.9 %

Corrected Maximum Dry Density : 132.7 PCF  
Corrected Optimum Moisture Content : 6.4%

Figure 2

## GEOTECHNICAL LABORATORY TEST DATA

Project : Devens Landfill

Filename : AOC9CF7

Project No. : GTX-3544

Depth : ---

Elevation : ---

Boring No. : DLRP

Test Date : 10/11/02

Tested by : ja

Sample No. : AOC9-CF7

Test Method : ASTM D 698

Checked by : jdt

Location : ---

Soil Description : Moist, brown sand with gravel

Remarks :

## COMPACTION TEST

Mold ID :  
 Method Used : ASTM D698-C  
 Volume of Mold : 0.075 ft<sup>3</sup>  
 Mass of Mold : 6059 gm  
 Specific Gravity : 2.65

Moisture Content ID	Mass of Container (gm)	Mass of Container + Moist Soil (gm)	Mass of Container + Dry Soil (gm)	Mass of Mold + Specimen (gm)	Moisture Content (%)	Dry Density (PCF)
1	8.31	449.05	429.31	10209.00	4.7	116.5
2	8.22	428.58	402.85	10301.00	6.5	117.1
3	8.19	526.05	485.99	10513.00	8.4	120.8
4	8.34	541.54	492.34	10567.00	10.2	120.3
5	8.19	527.49	470.29	10600.00	12.4	118.8
Optimum Dry Density = 121.1 PCF						
Optimum Moisture Content = 8.9 %						

Oversize correction ( 22% &gt; 3/4 inch sieve ):

Corrected Maximum Dry Density : 132.7 PCF

Corrected Optimum Moisture Content : 6.4%



### AOC-40 Field Density Testing

Test ID	Date	Location	Coordinates (NAD83) Northing	Coordinates (NAD83) Easting	Elevation (Feet)	Compaction, %	Moisture Content, %	Dry Density, pcf	Pass/Fail (P/F)	Comments
CT-40-001	4-Jun-02	AOC-40 (South Slope)	3018304.13	628301.59	240.98	95.5	5.2	109.7	P	Slope Lift 1 (STA 11+42, 55' N)
CT-40-002	4-Jun-02	AOC-40 (South Slope)	3018300.45	628304.47	242.94	91.6	4.9	105.6	P	Slope Lift 2 (STA 11+40, 51' N)
CT-40-003	4-Jun-02	AOC-40 (South Slope)	3018302.86	628293.72	244.07	96.5	5.1	110.8	P	Slope Lift 3 (STA 11+50, 55' N)
CT-40-004	5-Jun-02	AOC-40 (South Slope)	3018328.41	628384.13	237.69	91.1	5.0	104.7	P	Slope Lift 1 (STA 10+50, 65' N)
CT-40-005	5-Jun-02	AOC-40 (South Slope)	3018297.58	628359.34	244.98	94.1	6.3	108.1	P	Slope Lift 4 (STA 11+00, 38' N)
CT-40-006	5-Jun-02	AOC-40 (Floor)	3018372.35	628344.83	231.98	97.1	4.7	111.5	P	Slope Lift 1 (STA 11+00, 115' N)
CT-40-007	5-Jun-02	AOC-40 (Floor)	3018365.55	628281.92	232.7	97.6	3.8	112.1	P	Slope Lift 1 (STA 11+50, 120' N)
CT-40-008	5-Jun-02	AOC-40 (South Slope)	3018323.74	628405.85	238.19	91.7	6.9	105.3	P	Slope Lift 2 (STA 10+40, 57' N)
CT-40-009	5-Jun-02	AOC-40 (South Slope)	3018304.06	628386.87	241.64	102.3	5.0	117.5	P	Slope Lift 3 (STA 11+50, 41' N)
CT-40-010	5-Jun-02	AOC-40 (South Slope)	3018297.40	628315.04	245.58	91.7	5.6	105.4	P	Slope Lift 5 (STA 11+00, 45' N)
CT-40-011	5-Jun-02	AOC-40 (South Slope)	3018296.81	628315.43	245.6	93.8	6.2	107.8	P	Slope Lift 5 (STA 11+00, 48' N)
CT-40-012	5-Jun-02	AOC-40 (South Slope)	3018311.14	628330.81	245.11	92.8	5.4	106.5	P	Slope Lift 5 (STA 11+00, 57' N)
CT-40-013	5-Jun-02	AOC-40 (South Slope)	3018305.83	628341.52	243.67	95.7	6.0	109.9	P	Slope Lift 4 (STA 11+20, 55' N)
CT-40-014	5-Jun-02	AOC-40 (South Slope)	3018314.99	628375.54	243.69	90.4	6.1	103.9	P	Slope Lift 4 (STA 10+75, 54' N)
CT-40-015	10-Jun-02	AOC-40 (South Slope)	3018293.23	628281.18	247.23	90.0	4.3	119.7	P	Slope Lift 1 (STA 11+75, 50' N)
CT-40-016	10-Jun-02	AOC-40 (South Slope)	3018297.27	628313.52	247.32	91.9	4.6	122.1	P	Slope Lift 1 (STA 11+50, 50' N)
CT-40-017	10-Jun-02	AOC-40 (South Slope)	3018302.92	628343.17	247.17	94.8	4.6	125.8	P	Slope Lift 1 (STA 11+25, 50' N)
CT-40-018	10-Jun-02	AOC-40 (South Slope)	3018305.62	628351.26	247.25	89.3	4.4	131.9	P	Slope Lift 1 (STA 11+00, 50' N)
CT-40-019	10-Jun-02	AOC-40 (South Slope)	3018301.31	628368.08	247.32	98.2	4.7	130.5	P	Slope Lift 1 (STA 10+75, 50' N)
CT-40-020	10-Jun-02	AOC-40 (South Slope)	3018312.08	628385.49	247.37	93.5	3.9	124.3	P	Slope Lift 1 (STA 10+50, 50' N)
CT-40-021	10-Jun-02	AOC-40 (South Slope)	3018308.85	628410.28	247.41	95.6	5.3	127.1	P	Slope Lift 1 (STA 10+25, 50' N)
CT-40-022	10-Jun-02	AOC-40 (South Slope)	3018292.96	628302.47	248.32	95.2	4.8	126.6	P	Slope Lift 2 (STA 11+50, 50' N)
CT-40-023	10-Jun-02	AOC-40 (South Slope)	3018301.85	628322.96	248.34	92.8	6.2	123.4	P	Slope Lift 2 (STA 11+25, 50' N)
CT-40-024	10-Jun-02	AOC-40 (South Slope)	3018304.27	628346.14	248.44	94.0	6.8	124.9	P	Slope Lift 2 (STA 11+00, 50' N)
CT-40-025	10-Jun-02	AOC-40 (South Slope)	3018305.89	628367.16	248.22	97.8	6.1	129.9	P	Slope Lift 2 (STA 10+75, 50' N)
CT-40-026	10-Jun-02	AOC-40 (South Slope)	3018308.58	628388.99	248.12	97.7	6.5	129.9	P	Slope Lift 2 (STA 10+50, 50' N)
CT-40-027	10-Jun-02	AOC-40 (South Slope)	3018312.08	628410.82	248.21	95.3	6.3	126.6	P	Slope Lift 2 (STA 10+25, 50' N)
CT-40-028	10-Jun-02	AOC-40 (South Slope)	3018293.77	628275.25	248.45	94.5	5.4	125.6	P	Slope Lift 2 (STA 11+75, 50' N)
CT-40-029	10-Jun-02	AOC-40 (South Slope)	3018295.38	628300.32	249.37	95.3	5.9	126.7	P	Slope Lift 3 (STA 11+50, 50' N)

### AOC-40 Field Density Testing

CT-40-030	10-Jun-02	AOC-40 (South Slope)	3018297.81	628328.62	249.35	95.5	5.2	126.9	P	Slope Lift 3 (STA 11+25, 50' N)
CT-40-031	10-Jun-02	AOC-40 (South Slope)	3018299.69	628344.79	249.29	97.7	5.2	129.8	P	Slope Lift 3 (STA 11+00, 50' N)
CT-40-032	10-Jun-02	AOC-40 (South Slope)	3018304.54	628367.97	249.34	92.7	5.4	123.2	P	Slope Lift 3 (STA 10+75, 50' N)
CT-40-033	10-Jun-02	AOC-40 (South Slope)	3018306.69	628392.49	249.4	94.3	5.5	125.3	P	Slope Lift 3 (STA 10+50, 50' N)
CT-40-034	10-Jun-02	AOC-40 (South Slope)	3018310.46	628427.26	249.31	91.3	4.7	121.4	P	Slope Lift 3 (STA 10+25, 50' N)
CT-40-035	11-Jun-02	AOC-40 (South Slope)	3018297.54	628285.76	249.43	95.2	4.6	126.5	P	Slope Lift 3 (STA 11+75, 50' N)
CT-40-036	11-Jun-02	AOC-40 (South Slope)	3018297.00	628305.71	250.11	99.6	5.2	132.3	P	Slope Lift 4 (STA 11+50, 50' N)
CT-40-037	11-Jun-02	AOC-40 (South Slope)	3018299.69	628337.51	250.19	98.3	5.5	130.6	P	Slope Lift 4 (STA 11+25, 50' N)
CT-40-038	11-Jun-02	AOC-40 (South Slope)	3018299.96	628349.37	250.15	94.1	5.7	125.1	P	Slope Lift 4 (STA 11+00, 50' N)
CT-40-039	11-Jun-02	AOC-40 (South Slope)	3018299.42	628362.58	250.25	94.5	6.0	125.6	P	Slope Lift 4 (STA 10+75, 50' N)
CT-40-040	11-Jun-02	AOC-40 (South Slope)	3018311.81	628391.69	250.23	93.8	5.1	124.7	P	Slope Lift 4 (STA 10+50, 50' N)
CT-40-041	11-Jun-02	AOC-40 (South Slope)	3018313.43	628419.72	250.35	95.3	6.2	126.7	P	Slope Lift 3 (STA 10+25, 50' N)
CT-40-042	11-Jun-02	AOC-40 (South Slope)	3018317.20	628434.54	250.36	94.0	6.5	124.9	P	Slope Lift 4 (STA 11+00, 50' N)
CT-40-043	11-Jun-02	AOC-40 (South Slope)	3018305.35	628369.32	251.42	95.3	6.1	126.6	P	Slope Lift 5 (STA 10+75, 50' N)
CT-40-044	11-Jun-02	AOC-40 (South Slope)	3018306.42	628385.22	251.25	93.2	6.2	123.9	P	Slope Lift 4 (STA 10+50, 50' N)
CT-40-045	11-Jun-02	AOC-40 (South Slope)	3018314.50	628418.10	251.3	94.6	5.4	125.7	P	Slope Lift 4 (STA 10+25, 50' N)
CT-40-046	12-Jun-02	AOC-40 (South Slope)	3018330.54	628451.80	235.22	93.3	5.0	124.0	P	Slope Lift 1 (STA 10+00, 50' N)
CT-40-047	13-Jun-02	AOC-40 (North Slope)	3018413.71	628451.37	236.5	94.5	6.7	125.9	P	Slope Lift 1 (STA 9+90, 175' N)
CT-40-048	13-Jun-02	AOC-40 (North Slope)	3018432.67	628512.19	237.4	94.2	4.1	125.2	P	Slope Lift 1 (STA 9+00, 200' N)
CT-40-049	17-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	237.55	98.7	6.7	131.1	P	Slope Lift 1 (STA 10+10, 70' N)
CT-40-050	17-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	237.64	93.1	6.5	123.7	P	Slope Lift 1 (STA 9+85, 70' N)
CT-40-051	17-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	237.39	89.9	4.5	119.4	P	Slope Lift 1 (STA 9+60, 70' N)
CT-40-052	17-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	237.30	90.8	4.5	120.7	P	Slope Lift 1 (STA 9+35, 70' N)
CT-40-053	17-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	238.55	91.3	6.3	121.3	P	Slope Lift 2 (STA 10+10, 70' N)
CT-40-054	17-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	238.64	92.7	7.2	123.2	P	Slope Lift 2 (STA 9+85, 70' N)
CT-40-055	17-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	238.39	93.3	6.3	124.1	P	Slope Lift 2 (STA 9+60, 70' N)
CT-40-056	17-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	238.30	92.8	6.9	123.4	P	Slope Lift 2 (STA 9+35, 70' N)
CT-40-057	18-Jun-02	AOC-40 (North Slope)	3018293.23	628281.18	237.5	92.8	5.7	123.3	P	Slope Lift 1 (STA 11+75, 70' N)
CT-40-058	18-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	239.55	92.9	5.2	123.4	P	Slope Lift 3 (STA 10+10, 70' N)
CT-40-059	18-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	239.64	89.3	4.6	118.6	F	Slope Lift 3 (STA 9+85, 70' N)
CT-40-060	18-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	239.64	90.4	6.2	120.2	P	Slope Lift 3 (STA 9+85, 70' N) Retest of CT-40-061

### AOC-40 Field Density Testing

CT-40-061	18-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	239.39	92.5	5.8	122.9	P	Slope Lift 3 (STA 9+60, 70' N)
CT-40-062	18-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	239.30	91.4	6.1	121.5	P	Slope Lift 3 (STA 9+35, 70' N)
CT-40-063	18-Jun-02	AOC-40 (North Slope)	3018354.93	628522.46	238.4	93.7	5.9	124.5	P	Slope Lift 2 (STA 9+10, 70' N)
CT-40-064	18-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	240.55	90.4	7.0	120.2	P	Slope Lift 4 (STA 10+10, 70' N)
CT-40-065	18-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	240.64	92.0	6.4	122.3	P	Slope Lift 4 (STA 9+85, 70' N)
CT-40-066	18-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	240.39	93.8	5.3	124.4	P	Slope Lift 4 (STA 9+60, 70' N)
CT-40-067	18-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	240.30	91.1	6.3	121.0	P	Slope Lift 4 (STA 9+35, 70' N)
CT-40-068	18-Jun-02	AOC-40 (North Slope)	3018354.93	628522.46	239.5	90.8	6.0	120.7	P	Slope Lift 3 (STA 9+10, 70' N)
CT-40-069	18-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	241.55	90.5	4.6	120.2	P	Slope Lift 5 (STA 9+35, 70' N)
CT-40-070	18-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	241.64	94.4	3.4	125.4	P	Slope Lift 5 (STA 9+60, 70' N)
CT-40-071	18-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	241.39	90.6	5.2	120.4	P	Slope Lift 5 (STA 9+85, 70' N)
CT-40-072	18-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	241.30	95.2	5.4	126.5	P	Slope Lift 5 (STA 10+10, 70' N)
CT-40-073	18-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	242.55	93.1	5.3	123.7	P	Slope Lift 6 (STA 10+10, 70' N)
CT-40-074	18-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	242.64	90.9	7.6	120.8	P	Slope Lift 6 (STA 9+85, 70' N)
CT-40-075	18-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	242.39	93.0	4.6	123.6	P	Slope Lift 6 (STA 9+60, 70' N)
CT-40-076	18-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	242.30	90.8	4.6	120.7	P	Slope Lift 6 (STA 9+35, 70' N)
CT-40-077	19-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	243.55	91.0	5.7	120.9	P	Slope Lift 7 (STA 10+10, 70' N)
CT-40-078	19-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	243.64	91.9	6.1	122.2	P	Slope Lift 7 (STA 9+85, 70' N)
CT-40-079	19-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	243.39	90.5	5.8	120.3	P	Slope Lift 7 (STA 9+60, 70' N)
CT-40-080	19-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	243.30	90.1	5.5	119.7	P	Slope Lift 7 (STA 9+35, 70' N)
CT-40-081	19-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	244.55	91.5	6.5	121.7	P	Slope Lift 8 (STA 10+10, 60' N)
CT-40-082	19-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	244.64	90.5	6.9	120.3	P	Slope Lift 8 (STA 9+85, 60' N)
CT-40-083	19-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	244.39	93.0	5.2	123.6	P	Slope Lift 8 (STA 9+60, 60' N)
CT-40-084	19-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	244.30	97.3	4.8	129.3	P	Slope Lift 8 (STA 9+35, 60' N)
CT-40-085	19-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	245.85	91.0	6.9	121.0	P	Slope Lift 9 (STA 10+10, 60' N)
CT-40-086	19-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	245.64	91.3	7.0	121.4	P	Slope Lift 9 (STA 9+85, 60' N)
CT-40-087	19-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	245.39	90.6	6.2	120.4	P	Slope Lift 9 (STA 9+60, 60' N)
CT-40-088	19-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	244.30	91.5	5.8	121.6	P	Slope Lift 9 (STA 9+35, 60' N)
CT-40-089	20-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	246.85	93.0	5.6	123.6	P	Slope Lift 10 (STA 10+10, 50' N)
CT-40-090	20-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	246.64	91.2	6.7	121.2	P	Slope Lift 10 (STA 9+85, 50' N)
CT-40-091	20-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	246.39	93.5	7.5	124.3	P	Slope Lift 10 (STA 9+60, 50' N)



### AOC-40 Field Density Testing

CT-40-092	20-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	246.30	91.7	6.4	121.8	P	Slope Lift 10 (STA 9+35, 50' N)
CT-40-093	20-Jun-02	AOC-40 (North Slope)	3018354.93	628522.46	240.45	92.1	6.4	122.5	P	Slope Lift 4 (STA 9+10, 50' N)
CT-40-094	20-Jun-02	AOC-40 (North Slope)	3018348.06	628570.77	238.5	91.8	5.8	122.1	P	Slope Lift 1 (STA 8+85, 50' N)
CT-40-095	20-Jun-02	AOC-40 (North Slope)	3018318.77	628435.16	247.85	93.4	5.5	124.2	P	Slope Lift 11 (STA 10+10, 50' N)
CT-40-096	20-Jun-02	AOC-40 (North Slope)	3018325.21	628461.35	247.64	96.0	4.8	118.3	P	Slope Lift 11 (STA 9+85, 50' N)
CT-40-097	20-Jun-02	AOC-40 (North Slope)	3018326.40	628489.26	247.39	97.3	6.1	120.0	P	Slope Lift 11 (STA 9+60, 50' N)
CT-40-098	20-Jun-02	AOC-40 (North Slope)	3018334.56	628510.79	247.30	97.2	5.0	119.9	P	Slope Lift 11 (STA 9+35, 50' N)
CT-40-099	20-Jun-02	AOC-40 (North Slope)	3018354.93	628522.46	239.64	97.7	7.7	120.5	P	Slope Lift 3 (STA 9+10, 50' N)
CT-40-100	20-Jun-02	AOC-40 (North Slope)	3018348.06	628570.77	238.53	97.6	6.1	120.4	P	Slope Lift 2 (STA 8+85, 55' N)
CT-40-101	20-Jun-02	AOC-40 (North Slope)	3018351.10	628589.03	240.3	99.8	7.0	123.1	P	Slope Lift 1 (STA 8+60, 55' N)
CT-40-102	20-Jun-02	AOC-40 (North Slope)	3018351.10	628589.03	237.34	99.5	6.6	122.7	P	Slope Lift 2 (STA 8+60, 55' N)
CT-40-103	20-Jun-02	AOC-40 (North Slope)	3018318.67	628420.26	248.55	98.2	4.9	121.0	P	Slope Lift 12 (STA 10+25, 50' N)
CT-40-104	20-Jun-02	AOC-40 (North Slope)	3018322.72	628443.25	248.44	95.5	4.6	117.7	P	Slope Lift 12 (STA 10+00, 50' N)
CT-40-105	20-Jun-02	AOC-40 (North Slope)	3018326.10	628469.28	248.49	95.4	4.9	117.6	P	Slope Lift 12 (STA 9+75, 50' N)
CT-40-106	20-Jun-02	AOC-40 (North Slope)	3018332.18	628501.06	248.37	96.4	4.4	118.8	P	Slope Lift 12 (STA 9+50, 50' N)
CT-40-107	20-Jun-02	AOC-40 (North Slope)	3018335.56	628522.02	242.67	98.7	4.8	121.7	P	Slope Lift 6 (STA 9+25, 50' N)
CT-40-108	20-Jun-02	AOC-40 (North Slope)	3018344.68	628542.98	239.65	97.6	5.4	120.4	P	Slope Lift 3 (STA 9+00, 55' N)
CT-40-109	20-Jun-02	AOC-40 (North Slope)	3018343.56	628570.35	248.65	97.6	5.4	120.4	P	Slope Lift 12 (STA 8+75, 55' N)
CT-40-110	24-Jun-02	AOC-40 (North Slope)	3018318.67	628420.26	249.44	98.1	3.6	121.1	P	Slope Lift 13 (STA 10+25, 50' N)
CT-40-111	24-Jun-02	AOC-40 (North Slope)	3018322.72	628443.25	249.49	102.1	5.4	125.9	P	Slope Lift 13 (STA 10+00, 50' N)
CT-40-112	24-Jun-02	AOC-40 (North Slope)	3018326.10	628469.28	249.37	98.8	4.9	121.8	P	Slope Lift 13 (STA 9+75, 50' N)
CT-40-113	24-Jun-02	AOC-40 (North Slope)	3018332.18	628501.06	249.47	99.1	4.3	122.2	P	Slope Lift 13 (STA 9+50, 50' N)
CT-40-114	24-Jun-02	AOC-40 (North Slope)	3018335.56	628522.02	243.67	95.3	4.7	117.5	P	Slope Lift 7 (STA 9+25, 50' N)
CT-40-115	24-Jun-02	AOC-40 (North Slope)	3018344.68	628542.98	240.65	96.5	3.4	118.9	P	Slope Lift 4 (STA 9+00, 55' N)
CT-40-116	24-Jun-02	AOC-40 (North Slope)	3018343.56	628570.35	240.35	100.0	3.7	123.4	P	Slope Lift 4 (STA 8+75, 55' N)
CT-40-117	24-Jun-02	AOC-40 (North Slope)	3018315.10	628394.83	250.49	96.7	5.4	119.2	P	Slope Lift 14 (STA 10+50, 50' N)
CT-40-118	24-Jun-02	AOC-40 (North Slope)	3018322.72	628443.25	250.37	98.3	6.1	121.2	P	Slope Lift 14 (STA 10+00, 50' N)
CT-40-119	24-Jun-02	AOC-40 (North Slope)	3018332.18	628501.06	250.47	100.1	5.3	123.4	P	Slope Lift 14 (STA 9+50, 50' N)
CT-40-120	24-Jun-02	AOC-40 (North Slope)	3018345.15	628545.03	244.67	98.6	5.9	122.8	P	Slope Lift 8 (STA 9+00, 50' N)
CT-40-121	24-Jun-02	AOC-40 (North Slope)	3018351.88	628593.68	241.34	101.6	4.1	126.2	P	Slope Lift 5 (STA 8+50, 50' N)
CT-40-122	25-Jun-02	AOC-40 (North Slope)	3018345.15	628545.03	245.45	98.5	4.8	121.5	P	Slope Lift 9 (STA 9+00, 50' N)



### AOC-40 Field Density Testing

CT-40-123	25-Jun-02	AOC-40 (North Slope)	3018351.88	628593.68	242.27	96.7	5.3	119.2	P	Slope Lift 6 (STA 8+50, 50' N)
CT-40-124	25-Jun-02	AOC-40 (North Slope)	3018345.15	628545.03	246.56	101.2	3.5	124.8	P	Slope Lift 10 (STA 9+00, 50' N)
CT-40-125	25-Jun-02	AOC-40 (North Slope)	3018351.88	628593.68	243.23	99.4	3.3	122.6	P	Slope Lift 7 (STA 8+50, 50' N)
CT-40-126	25-Jun-02	AOC-40 (North Slope)	3018361.70	628644.91	236.45	90.5	5.0	103.9	P	Slope Lift 1 (STA 8+00, 55' N)
CT-40-127	27-Jun-02	AOC-40 (North Slope)	3018361.70	628644.91	237.83	100.7	5.1	115.6	P	Slope Lift 2 (STA 8+00, 55' N)
CT-40-128	27-Jun-02	AOC-40 (North Slope)	3018367.39	628687.86	237.43	100.2	4.8	115.6	P	Slope Lift 2 (STA 7+60, 55' N)
CT-40-129	27-Jun-02	AOC-40 (North Slope)	3018356.53	628616.96	238.83	98.5	4.5	113.1	P	Slope Lift 3 (STA 8+25, 55' N)
CT-40-130	27-Jun-02	AOC-40 (North Slope)	3018362.73	628669.75	238.43	100.5	4.2	115.3	P	Slope Lift 3 (STA 7+75, 55' N)
CT-40-131	27-Jun-02	AOC-40 (North Slope)	3018356.53	628616.96	239.83	103.9	4.8	119.3	P	Slope Lift 4 (STA 8+25, 55' N)
CT-40-132	27-Jun-02	AOC-40 (North Slope)	3018362.73	628669.75	239.43	92.6	4.2	106.3	P	Slope Lift 4 (STA 7+75, 55' N)
CT-40-133	27-Jun-02	AOC-40 (North Slope)	3018351.88	628593.68	240.83	100.9	3.5	115.9	P	Slope Lift 5 (STA 8+50, 55' N)
CT-40-134	27-Jun-02	AOC-40 (North Slope)	3018361.70	628644.91	240.43	97.8	4.7	112.3	P	Slope Lift 5 (STA 8+00, 55' N)
CT-40-135	27-Jun-02	AOC-40 (North Slope)	3018344.12	628572.99	241.83	100.6	4.1	115.5	P	Slope Lift 6 (STA 8+75, 55' N)
CT-40-136	27-Jun-02	AOC-40 (North Slope)	3018356.53	628616.96	241.43	102.1	4.0	117.2	P	Slope Lift 6 (STA 8+25, 55' N)
CT-40-137	27-Jun-02	AOC-40 (North Slope)	3018362.73	628669.75	241.83	94.6	7.4	108.6	P	Slope Lift 6 (STA 7+75, 55' N)
CT-40-138	1-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	247.56	98.3	3.8	118.8	P	Slope Lift 11 (STA 9+25, 55' N)
CT-40-139	1-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	247.53	93.8	5.3	115.6	P	Slope Lift 7 (STA 8+75, 55' N)
CT-40-140	1-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	247.51	90.7	7.0	111.9	P	Slope Lift 7 (STA 8+25, 55' N)
CT-40-141	1-Jul-02	AOC-40 (North Slope)	3018345.15	628545.03	248.59	93.6	5.1	115.4	P	Slope Lift 12 (STA 9+00, 55' N)
CT-40-142	1-Jul-02	AOC-40 (North Slope)	3018351.88	628593.68	248.63	94.2	5.1	116.2	P	Slope Lift 8 (STA 8+50, 55' N)
CT-40-143	1-Jul-02	AOC-40 (North Slope)	3018361.70	628644.91	243.49	94.1	4.1	116.1	P	Slope Lift 8 (STA 8+00, 55' N)
CT-40-144	1-Jul-02	AOC-40 (North Slope)	3018345.15	628545.03	251.6	90.2	4.1	111.2	P	Slope Lift 13 (STA 9+00, 55' N)
CT-40-145	1-Jul-02	AOC-40 (North Slope)	3018351.88	628593.68	249.4	92.7	5.7	114.3	P	Slope Lift 9 (STA 8+50, 55' N)
CT-40-146	1-Jul-02	AOC-40 (North Slope)	3018361.70	628644.91	249.53	90.1	4.2	111.1	P	Slope Lift 9 (STA 8+00, 55' N)
CT-40-147	1-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	252.52	92.1	4.9	113.6	P	Slope Lift 14 (STA 9+25, 55' N)
CT-40-148	1-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	250.46	94.7	5.2	116.8	P	Slope Lift 10 (STA 8+75, 55' N)
CT-40-149	1-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	250.21	96.2	5.6	118.7	P	Slope Lift 10 (STA 8+25, 55' N)
CT-40-150	2-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	251.32	91.3	5.9	112.6	P	Slope Lift 11 (STA 8+75, 55' N)
CT-40-151	2-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	251.41	93.0	4.4	114.7	P	Slope Lift 11 (STA 8+25, 55' N)
CT-40-152	8-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	253.34	94.2	3.6	108.2	p	Slope Lift 15 (STA 11+75, 20N)
CT-40-153	8-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	253.4	96.3	4.3	110.5	P	Slope Lift 15 (STA 11+25, 20N)

### AOC-40 Field Density Testing

CT-40-154	8-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	253.53	96.5	3.5	110.8	P	Slope Lift 15 (STA 10+75, 20N)
CT-40-155	8-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	253.52	96.7	3.5	111.0	P	Slope Lift 15 (STA 10+25, 20N)
CT-40-156	8-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	253.46	99.4	4.5	114.1	P	Slope Lift 15 (STA 9+75, 20N)
CT-40-157	8-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	251.21	94.1	3.7	116.0	P	Slope Lift 15 (STA 9+25, 20N)
CT-40-158	8-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	252.32	92.6	4.3	114.1	P	Slope Lift 12 (STA 8+75, 20N)
CT-40-159	8-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	252.41	90.9	3.9	112.1	P	Slope Lift 12 (STA 8+25, 20N)
CT-40-160	8-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	254.34	93.9	2.8	115.7	P	Slope Lift 16 (STA 11+75, 20N)
CT-40-161	8-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	254.4	92.8	4.1	114.2	P	Slope Lift 16 (STA 11+25, 20N)
CT-40-162	8-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	254.53	94.8	4.0	116.9	P	Slope Lift 16 (STA 10+75, 20N)
CT-40-163	8-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	254.52	94.5	3.6	116.5	P	Slope Lift 16 (STA 10+25, 20N)
CT-40-164	8-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	254.46	92.3	3.7	113.8	P	Slope Lift 16 (STA 9+75, 20N)
CT-40-165	8-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	254.21	97.3	3.4	120.0	P	Slope Lift 16 (STA 9+25, 20N)
CT-40-166	8-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	253.32	92.8	3.8	114.4	P	Slope Lift 13 (STA 8+75, 20N)
CT-40-167	8-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	253.41	90.5	4.5	111.5	P	Slope Lift 13 (STA 8+25, 20N)
CT-40-168	8-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	255.34	95.4	4.4	117.1	P	Slope Lift 17 (STA 11+75, 20N)
CT-40-169	8-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	255.4	94.3	4.1	116.3	P	Slope Lift 17 (STA 11+25, 20N)
CT-40-170	8-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	255.53	91.3	4.8	112.6	P	Slope Lift 17 (STA 10+75, 20N)
CT-40-171	8-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	255.52	92.5	4.4	114.0	P	Slope Lift 17 (STA 10+25, 20N)
CT-40-172	8-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	255.46	93.3	3.2	115.8	P	Slope Lift 17 (STA 9+75, 20N)
CT-40-173	8-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	255.21	91.3	4.4	112.6	P	Slope Lift 17 (STA 9+25, 20N)
CT-40-174	8-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	254.32	92.8	3.8	114.5	P	Slope Lift 14 (STA 8+75, 20N)
CT-40-175	8-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	254.41	96.9	4.1	119.5	P	Slope Lift 14 (STA 8+25, 20N)
CT-40-176	9-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	255.21	97.5	2.7	129.6	P	Slope Lift 15 (STA 8+25, 20N)
CT-40-177	9-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	255.48	93.9	3.2	115.8	P	Slope Lift 15 (STA 8+75, 20N)
CT-40-178	9-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	255.44	92.3	3.4	113.8	P	Slope Lift 18 (STA 9+25, 20N)
CT-40-179	9-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	255.84	92.1	4.7	113.5	P	Slope Lift 18 (STA 9+75, 20N)
CT-40-180	9-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	254.97	90.2	3.8	111.3	P	Slope Lift 18 (STA 10+25, 20N)
CT-40-181	9-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	256.16	91.8	3.8	113.2	P	Slope Lift 18 (STA 10+75, 20N)
CT-40-182	9-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	254.3	91.9	3.6	113.3	P	Slope Lift 18 (STA 11+25, 20N)
CT-40-183	9-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	255.79	90.2	4.8	111.2	P	Slope Lift 18 (STA 11+75, 20N)
CT-40-184	9-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	256.97	94.6	5.3	116.7	P	Slope Lift 19 (STA 11+75, 20N)

### AOC-40 Field Density Testing

CT-40-185	9-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	257.79	93.9	4.8	115.8	P	Slope Lift 19 (STA 11+25, 20N)
CT-40-186	9-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	257.3	93.9	4.9	115.7	P	Slope Lift 19 (STA 10+75, 20N)
CT-40-187	9-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	257.15	91.4	4.5	112.7	P	Slope Lift 19 (STA 10+25, 20N)
CT-40-188	9-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	257.13	91.2	4.6	112.5	P	Slope Lift 19 (STA 9+75, 20N)
CT-40-189	9-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	256.65	91.4	4.5	112.7	P	Slope Lift 19 (STA 9+25, 20N)
CT-40-190	9-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	256.51	92.8	4.6	114.4	P	Slope Lift 16 (STA 8+75, 20N)
CT-40-191	9-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	256.39	93.7	4.2	115.6	P	Slope Lift 16 (STA 8+25, 20N)
CT-40-192	10-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	258.16	91.3	7.9	112.5	P	Slope Lift 20 (STA 11+75, 20N)
CT-40-193	10-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	258.38	96.5	6.6	119.0	P	Slope Lift 20 (STA 11+25, 20N)
CT-40-194	10-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	258.51	97.9	8.3	120.6	P	Slope Lift 20 (STA 10+75, 20N)
CT-40-195	10-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	258.48	98.2	7.4	121.0	P	Slope Lift 20 (STA 10+25, 20N)
CT-40-196	10-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	258.21	96.6	6.8	119.2	P	Slope Lift 20 (STA 9+75, 20N)
CT-40-197	10-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	257.84	94.8	6.7	116.9	P	Slope Lift 20 (STA 9+25, 20N)
CT-40-198	10-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	257.59	96.2	6.7	118.6	P	Slope Lift 17 (STA 8+75, 20N)
CT-40-199	10-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	257.22	107.3	8.0	132.3	P	Slope Lift 17 (STA 8+25, 20N)
CT-40-200	10-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	258.22	98.0	8.9	120.8	P	Slope Lift 18 (STA 8+25, 20N)
CT-40-201	10-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	258.59	96.6	8.9	119.0	P	Slope Lift 18 (STA 8+75, 20N)
CT-40-202	10-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	258.84	95.6	6.0	117.9	P	Slope Lift 21 (STA 9+25, 20N)
CT-40-203	10-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	259.21	97.2	6.7	119.9	P	Slope Lift 21 (STA 9+75, 20N)
CT-40-204	10-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	259.48	97.5	7.1	120.2	P	Slope Lift 21 (STA 10+25, 20N)
CT-40-205	10-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	259.51	96.8	7.7	119.4	P	Slope Lift 21 (STA 10+75, 20N)
CT-40-206	10-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	259.38	95.5	6.6	117.8	P	Slope Lift 21 (STA 11+25, 20N)
CT-40-207	10-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	259.16	95.1	6.1	117.3	P	Slope Lift 21 (STA 11+75, 20N)
CT-40-208	10-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	260.44	100.5	5.3	123.9	P	Slope Lift 22 (STA 11+75, 20N)
CT-40-209	10-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	260.6	99.7	7.3	122.9	P	Slope Lift 22 (STA 11+25, 20N)
CT-40-210	10-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	260.91	101.0	7.7	124.5	P	Slope Lift 22 (STA 10+75, 20N)
CT-40-211	10-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	260.58	103.3	5.7	127.4	P	Slope Lift 22 (STA 10+25, 20N)
CT-40-212	10-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	260.5	99.5	7.8	122.7	P	Slope Lift 22 (STA 9+75, 20N)
CT-40-213	10-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	260.12	96.6	7.2	119.1	P	Slope Lift 22 (STA 9+25, 20N)
CT-40-214	10-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	259.82	95.3	8.7	117.5	P	Slope Lift 19 (STA 8+75, 20N)
CT-40-215	10-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	259.53	98.8	6.6	121.9	P	Slope Lift 19 (STA 8+25, 20N)



### AOC-40 Field Density Testing

CT-40-216	11-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	261.38	101.0	6.5	124.4	P	Slope Lift 23 (STA 11+75, 20N)
CT-40-217	11-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	261.86	99.3	6.7	122.4	P	Slope Lift 23 (STA 11+25, 20N)
CT-40-218	11-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	261.87	99.8	5.2	123.1	P	Slope Lift 23 (STA 10+75, 20N)
CT-40-219	11-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	261.73	99.2	5.8	122.3	P	Slope Lift 23 (STA 10+25, 20N)
CT-40-220	11-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	261.77	98.0	6.3	120.6	P	Slope Lift 23 (STA 9+75, 20N)
CT-40-221	11-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	261.12	100.6	7.0	123.9	P	Slope Lift 23 (STA 9+25, 20N)
CT-40-222	11-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	260.8	96.9	7.8	119.5	P	Slope Lift 20 (STA 8+75, 20N)
CT-40-223	11-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	260.62	98.7	6.1	121.6	P	Slope Lift 20 (STA 8+25, 20N)
CT-40-224	11-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	262.6	97.0	4.6	119.5	P	Slope Lift 24 (STA 11+75, 20N)
CT-40-225	11-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	262.98	96.9	7.8	119.4	P	Slope Lift 24 (STA 11+25, 20N)
CT-40-226	11-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	263.12	98.6	7.5	121.5	P	Slope Lift 24 (STA 10+75, 20N)
CT-40-227	11-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	262.92	97.5	8.4	120.2	P	Slope Lift 24 (STA 10+25, 20N)
CT-40-228	11-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	262.67	95.1	6.4	117.3	P	Slope Lift 24 (STA 9+75, 20N)
CT-40-229	11-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	262.14	95.4	5.7	117.6	P	Slope Lift 24 (STA 9+25, 20N)
CT-40-230	11-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	261.76	97.8	6.2	120.6	P	Slope Lift 21 (STA 8+75, 20N)
CT-40-231	11-Jul-02	AOC-40 (North Slope)	3018356.53	628616.96	260.62	95.2	6.4	117.4	P	Slope Lift 21 (STA 8+25, 20N)
CT-40-232	11-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	263.53	99.0	5.1	122.2	P	Slope Lift 25 (STA 11+75, 20N)
CT-40-233	11-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	263.88	96.4	5.4	118.8	P	Slope Lift 25 (STA 11+25, 20N)
CT-40-234	11-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	264.14	95.0	4.6	117.1	P	Slope Lift 25 (STA 10+75, 20N)
CT-40-235	11-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	263.77	98.9	4.6	122.0	P	Slope Lift 25 (STA 10+25, 20N)
CT-40-236	11-Jul-02	AOC-40 (North Slope)	3018326.10	628469.28	263.55	98.4	4.4	121.3	P	Slope Lift 25 (STA 9+75, 20N)
CT-40-237	11-Jul-02	AOC-40 (North Slope)	3018343.59	628570.32	262.9	95.7	5.4	117.9	P	Slope Lift 25 (STA 9+25, 20N)
CT-40-238	11-Jul-02	AOC-40 (North Slope)	3018344.12	628572.99	262.36	95.1	4.7	117.3	P	Slope Lift 22 (STA 8+75, 20N)
CT-40-239	15-Jul-02	AOC-40 (North Slope)	3018293.23	628281.18	264.59	96.4	4.9	118.8	P	Slope Lift 25 (STA 11+75, 20N)
CT-40-240	15-Jul-02	AOC-40 (North Slope)	3018302.92	628343.17	265.15	97.6	5.8	120.3	P	Slope Lift 25 (STA 11+25, 20N)
CT-40-241	15-Jul-02	AOC-40 (North Slope)	3018314.99	628375.54	264.35	96.5	5.0	119.0	P	Slope Lift 25 (STA 10+75, 20N)
CT-40-242	15-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	265.32	93.6	4.9	115.4	F	Slope Lift 25 (STA 10+25, 20N)
CT-40-243	15-Jul-02	AOC-40 (North Slope)	3018318.67	628420.26	265.45	96.7	4.7	119.1	P	Slope Lift 25 (STA 10+25, 20N)
CT-40-244	15-Jul-02	AOC-40 (North Slope)	3018259.46	628251.42	265.4	99.6	7.0	120.3	P	Slope Lift 27 (STA 12+00, 20N)
CT-40-245	15-Jul-02	AOC-40 (North Slope)	3018297.00	628305.71	265.35	102.0	6.4	125.7	P	Slope Lift 27 (STA 11+50, 20N)
CT-40-246	15-Jul-02	AOC-40 (North Slope)	3018299.96	628349.37	265	98.6	6.0	121.5	P	Slope Lift 27 (STA 11+00, 20N)



## AOC-40 Field Density Testing

[illegible]

**GeoTesting Express, Inc.** • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

Project #: GTX-3544  
Date: 6/4/02  
Weather: Sunny, 70 °F  
Page: 1 of 1

Sample ID	Konan02				
Corrected Maximum Dry Density, pcf	114.8				
Corrected Optimum Moisture Content, %	11.5				

[illegible]

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Field Monitor: Mr. Mike Driscoll

On-Site:	9:00 AM	Mileage:	24 miles
Off-Site:	3:15 PM	Travel Time:	0.5 hours

## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:** ---

**Project #:** GTX-3544  
**Date:** 6/5/02  
**Weather:** Cloudy, 70 °F  
**Page:** 1 of 1

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan02				
Corrected Maximum Dry Density, pcf	114.8				
Corrected Optimum Moisture Content, %	11.5				

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	10 + 50	6.0	104.7	91.2	Konan02	Lift 1
2	11 + 00	6.3	108.1	94.2	Konan02	Lift 4
3	11 + 00 Floor	4.7	111.5	97.1	Konan02	Lift 1
4	11 + 50 Floor	3.8	112.1	97.6	Konan02	Lift 1
5	10 + 40	6.9	105.3	91.7	Konan02	Lift 2
6	10 + 40	5.0	117.5	102.4	Konan02	Lift 3
7	11 + 00	6.6	105.4	91.8	Konan02	Lift 5
8	11 + 00	6.2	107.8	93.9	Konan02	Lift 5
9	11 + 00	5.4	106.5	92.8	Konan02	Lift 5
10	11 + 20	6.0	109.9	95.7	Konan02	Lift 4
11	10 + 75	6.1	103.9	90.5	Konan02	Lift 4

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Mike Driscoll

On-Site: 12:00 PM

Mileage: 24 miles

Off-Site: 4:00 PM

Travel Time: 0.5 hours

**GeoTesting Express, Inc.** • Boxborough, MA • (978) 635-0424 • Fax (978) 635-0266

Project #: GTX-3544  
Date: 6/6/02  
Weather: Rain, 60 °F  
Page: 1 of 1

Sample ID					
Corrected Maximum Dry Density, pcf					
Corrected Optimum Moisture Content, %					

[illegible]

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Mike Driscoll

On-Site: 11:45 AM

Off-Site: 2:15 PM

Mileage: 24 miles

Travel Time. 0.5 hours



## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:** Various

**Project #:** GTX-3544  
**Date:** 6/10/02  
**Weather:** Sunny, 70 °F  
**Page:** 1 of 2

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan01				
Corrected Maximum Dry Density, pcf	132.9				
Corrected Optimum Moisture Content, %	7.1				

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	11+75 - 50N	4.3	119.7	90.1	Konan01	Roadway - Lift 1
2	11+50 - 50N	4.6	122.1	91.9	Konan01	Roadway - Lift 1
3	11+25 - 50N	4.6	125.8	94.7	Konan01	Roadway - Lift 1
4	11+00 - 50N	4.4	131.9	99.2	Konan01	Roadway - Lift 1
5	10+75 - 50N	4.7	130.5	98.2	Konan01	Roadway - Lift 1
6	10+50 - 50N	3.9	124.3	93.5	Konan01	Roadway - Lift 1
7	10+25 - 50N	5.3	127.1	95.6	Konan01	Roadway - Lift 1
8	11+50 - 50N	4.8	126.6	95.3	Konan01	Roadway - Lift 2
9	11+25 - 50N	6.2	123.4	92.9	Konan01	Roadway - Lift 2
10	11+00 - 50N	6.8	124.9	94.0	Konan01	Roadway - Lift 2
11	10+75 - 50N	6.1	129.9	97.7	Konan01	Roadway - Lift 2
12	10+50 - 50N	6.5	129.9	97.7	Konan01	Roadway - Lift 2
13	10+25 - 50N	6.3	126.6	95.3	Konan01	Roadway - Lift 2
14	11+75 - 50N	5.4	125.6	94.5	Konan01	Roadway - Lift 2
15	11+50 - 50N	5.9	126.7	95.3	Konan01	Roadway - Lift 3

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 6/10/02  
 Weather: Sunny, 70 °F  
 Page: 2 of 2

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan01				
Corrected Maximum Dry Density, pcf	132.9				
Corrected Optimum Moisture Content, %	7.1				

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
16	11+25 - 50N	5.2	126.9	95.5	Konan01	Roadway - Lift 3
17	11+00 - 50N	5.2	129.8	97.7	Konan01	Roadway - Lift 3
18	10+75 - 50N	5.4	123.2	92.7	Konan01	Roadway - Lift 3
19	10+50 - 50N	5.5	125.3	94.3	Konan01	Roadway - Lift 3
20	10+25 - 50N	4.7	121.4	91.3	Konan01	Roadway - Lift 3

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 7:30 AM

Mileage: 24 miles

Off-Site: 4:30 PM

Travel Time: 0.5 hours

## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 6/11/02  
 Weather: Cloudy, 70 °F  
 Page: 1 of 1

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan01				
Corrected Maximum Dry Density, pcf	132.9				
Corrected Optimum Moisture Content, %	7.1				

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	11+75 - 50N	4.6	126.5	95.2	Konan01	Roadway - Lift 3
2	11+50 - 50N	5.2	132.3	99.5	Konan01	Roadway - Lift 4 - SC-1
3	11+25 - 50N	5.5	130.6	98.3	Konan01	Roadway - Lift 4
4	11+00 - 50N	5.7	125.1	94.1	Konan01	Roadway - Lift 4
5	10+75 - 50N	6.0	125.6	94.5	Konan01	Roadway - Lift 4
6	10+50 - 50N	5.1	124.7	93.8	Konan01	Roadway - Lift 4
7	10+25 - 50N	6.2	126.7	95.3	Konan01	Roadway - Lift 4
8	10+00 - 50N	6.5	124.9	94.0	Konan01	Roadway - Lift 4
9	10+75 - 50N	6.1	126.6	95.3	Konan01	Roadway - Lift 5
10	10+50 - 50N	6.2	123.9	93.2	Konan01	Roadway - Lift 5 - SC-2
11	10+25 - 50N	5.4	125.7	94.6	Konan01	Roadway - Lift 5

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 8:00 AM  
 Off-Site: 3:00 PM

Mileage: 24 miles  
 Travel Time: 0.5 hours

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**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:** Various

Project #: GTX-3544  
Date: 6/12/02  
Weather: Cloudy, 60 °F  
Page: 1 of 1

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan01				
Corrected Maximum Dry Density, pcf	132.9				
Corrected Optimum Moisture Content, %	7.1				

### Field Compaction Test Results

[illegible]

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 7:30 AM

Off-Site: 2:30 PM

Mileage: 24 miles

Travel Time: 0.5 hours



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Project #: GTX-3544  
Date: 6/13/02  
Weather: Cloudy, 60 °F  
Page: 1 of 1

Sample ID	Konan01	F-1			
Corrected Maximum Dry Density, pcf	132.9	133.2			
Corrected Optimum Moisture Content, %	7.1	6.6			

[illegible]

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Field Monitor: Mr. Larry Pierce

Mileage: 24 miles  
Travel Time: 0.5 hours

## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 6/17/02  
 Weather: Cloudy, 70 °F  
 Page: 1 of 1

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan01				
Corrected Maximum Dry Density, pcf	132.9				
Corrected Optimum Moisture Content, %	7.1				

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	10+10 - 70N	6.7	131.1	98.6	Konan01	Roadway - Lift 1
2	9+85 - 70N	6.5	123.7	93.1	Konan01	Roadway - Lift 1
3	9+60 - 70N	4.5	119.4	89.9	Konan01	Roadway - Lift 1 - Pass
4	9+35 - 70N	4.5	120.7	90.8	Konan01	Roadway - Lift 1
5	10+10 - 70N	6.3	121.3	91.3	Konan01	Roadway - Lift 2
6	9+85 - 70N	7.2	123.2	92.7	Konan01	Roadway - Lift 2
7	9+60 - 70N	6.3	124.1	93.4	Konan01	Roadway - Lift 2
8	9+35 - 70N	6.9	123.4	92.9	Konan01	Roadway - Lift 2

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 10:00 AM  
 Off-Site: 4:30 PM

Mileage: 24 miles  
 Travel Time: 0.5 hours

## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 6/18/02  
 Weather: Cloudy, 70 °F  
 Page: 1 of 2

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan01				
Corrected Maximum Dry Density, pcf	132.9				
Corrected Optimum Moisture Content, %	7.1				

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	11+75 - 70N	5.7	123.3	92.8	Konan01	Roadway - Lift 1
2	10+10 - 70N	5.2	123.4	92.9	Konan01	Roadway - Lift 3
3	9+85 - 70N	4.6	118.6	89.2	Konan01	Roadway - Lift 3
3:1	9+85 - 70N	6.2	120.2	90.4	Konan01	Retest
4	9+60 - 70N	5.8	122.9	92.5	Konan01	Roadway - Lift 3
5	9+35 - 70N	6.1	121.5	91.4	Konan01	Roadway - Lift 3
6	9+10 - 70N	5.9	124.5	93.7	Konan01	Roadway - Lift 2
7	10+10 - 70N	7.0	120.2	90.4	Konan01	Roadway - Lift 4
8	9+85 - 70N	6.4	122.3	92.0	Konan01	Roadway - Lift 4
9	9+60 - 70N	6.3	124.4	93.6	Konan01	Roadway - Lift 4
10	9+35 - 70N	6.3	121.0	91.0	Konan01	Roadway - Lift 4
11	9+10 - 70N	6.0	120.7	90.8	Konan01	Roadway - Lift 3
12	9+35 - 70N	4.6	120.2	90.4	Konan01	Roadway - Lift 5
13	9+60 - 70N	3.4	125.4	94.4	Konan01	Roadway - Lift 5
14	9+85 - 70N	5.2	120.4	90.6	Konan01	Roadway - Lift 5

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 6/18/02  
 Weather: Cloudy, 70 °F  
 Page: 2 of 2

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan01				
Corrected Maximum Dry Density, pcf	132.9				
Corrected Optimum Moisture Content, %	7.1				

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
15	10+10 - 70N	5.4	126.5	95.2	Konan01	Roadway - Lift 5
16	10+10 - 70N	5.3	123.7	93.1	Konan01	Roadway - Lift 6
17	9+85 - 70N	7.6	120.8	90.9	Konan01	Roadway - Lift 6
18	9+60 - 70N	4.6	123.6	93.0	Konan01	Roadway - Lift 6
19	9+35 - 70N	4.6	120.7	90.8	Konan01	Roadway - Lift 6

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 7:30 AM  
 Off-Site: 4:30 PM

Mileage: 24 miles  
 Travel Time: 0.5 hours



## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 6/19/02  
 Weather: Cloudy, 70 °F  
 Page: 1 of 1

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan01				
Corrected Maximum Dry Density, pcf	132.9				
Corrected Optimum Moisture Content, %	7.1				

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	10+10-70N	5.7	120.9	91.0	Konan01	Roadway-Lift7
2	9+85-70N	6.1	122.2	91.9	Konan01	Roadway Lift7
3	9+60-70N	5.8	120.3	90.5	Konan01	Roadway-Lift7
4	9+35-70N	5.5	119.7	90.1	Konan01	Roadway-Lift7
5	10+10-60N	6.5	121.7	91.6	Konan01	Roadway-Lift8
6	9+85-60N	6.9	120.3	90.5	Konan01	Roadway-Lift8
7	9+60-60N	5.2	123.6	93.0	Konan01	Roadway-LIFT8
8	9+35-60N	4.8	129.3	97.3	Konan01	Roadway-Lift8
9	10+10-60N	6.9	121.0	91.0	Konan01	Roadway-Lift9
10	9+85-60N	7.0	121.4	91.3	Konan01	Roadway-Lift9
11	9+60-60N	6.2	120.4	90.6	Konan01	Roadway-Lift9
12	9+35-60N	5.8	121.6	91.5	Konan01	Roadway-Lift9

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 7:30 AM  
 Off-Site: 4:00 PM

Mileage: 24 miles  
 Travel Time: 0.5 hours

## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 6/20/02  
 Weather: Sunny, 80 °F  
 Page: 1 of 2

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05	Konan01			
Corrected Maximum Dry Density, pcf	123.3	132.9			
Corrected Optimum Moisture Content, %	8.6	7.1			

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	10+10-50N	5.6	123.6	93.0	Konan01	Roadway-Lift10
2	9+85-50N	6.7	121.2	91.2	Konan01	Roadway-Lift10
3	9+60-50N	7.5	124.3	93.5	Konan01	Roadway-Lift10
4	9+35-50N	6.4	121.8	91.7	Konan01	Roadway-Lift10
5	9+10-50N	6.4	122.5	92.2	Konan01	Roadway-Lift4
6	8+85-50N	5.8	124.2	93.5	Konan01	Roadway-Lift1
7	10+10-50N	5.5	118.3	89.0	Konan01	Roadway-Lift11
8	9+85-50N	4.8	118.3	95.9	Konan05	Roadway-Lift11
9	9+60-50N	6.1	120.0	97.3	Konan05	Roadway-Lift11
10	9+35-50N	5.0	119.9	97.2	Konan05	Roadway-Lift11
11	9+10-50N	7.7	120.5	97.7	Konan05	Roadway-Lift5
12	8+85-50N	6.1	120.4	97.6	Konan05	Roadway-Lift2
13	8+60-50N	7.0	123.1	99.8	Konan05	Roadway-Lift1
14	8+60-50N	6.6	122.7	99.5	Konan05	Roadway-lift2
15	10+25-50N	4.9	121.0	98.2	Konan05	Roadway-Lift12

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:** Various

**Project #:** GTX-3544  
**Date:** 6/20/02  
**Weather:** Sunny, 80 °F  
**Page:** 2 of 2

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05				
Corrected Maximum Dry Density, pcf	123.3				
Corrected Optimum Moisture Content, %	8.6				

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
16	10+00-50N	4.6	117.7	95.5	Konan05	Roadway-Lift12
17	9+75-50N	4.9	117.6	95.4	Konan05	Roadway-Lift12
18	9+50-50N	4.4	118.8	96.4	Konan05	Roadway-Lift12
19	9+25-50N	4.8	121.7	98.7	Konan05	Roadway-Lift6
20	9+00-50N	5.4	120.4	97.6	Konan05	Roadway-Lift3
21	8+75-50N	5.4	120.4	97.6	Konan05	Roadway-Lift3

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 7:30 AM  
 Off-Site: 4:00 PM

Mileage: 24 miles  
 Travel Time: 0.5 hours

## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:** Various

**Project #:** GTX-3544  
**Date:** 6/24/02  
**Weather:** Sunny, 80 °F  
**Page:** 1 of 1

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05				
Corrected Maximum Dry Density, pcf	123.3				
Corrected Optimum Moisture Content, %	8.6				

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	10+25-50N	3.6	121.1	98.2	Konan05	Roadway-Lift13
2	10+00-50N	5.4	125.9	102.1	Konan05	Roadway-Lift13
3	9+75-50N	4.9	121.8	98.8	Konan05	Roadway-Lift13
4	9+50-50N	4.3	122.2	99.1	Konan05	Roadway-Lift13
5	9+25-50N	4.7	117.5	95.3	Konan05	Roadway-Lift7
6	9+00-55N	3.4	118.9	96.4	Konan05	Roadway-Lift4
7	8+75-55N	3.7	123.4	100.1	Konan05	Roadway-Lift4
8	10+50-50N	5.4	119.2	96.7	Konan05	Roadway-Lift14
9	10+00-50N	6.1	121.2	98.3	Konan05	Roadway-Lift14
10	9+50-50N	5.3	123.4	100.1	Konan05	Roadway-Lift14
11	9+00-50N	5.9	122.8	99.6	Konan05	Roadway-Lift8
12	8+50-55N	4.1	126.2	102.4	Konan05	Roadway-Lift5

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

**Notes:** 6 inch gauge depth unless otherwise noted

**Field Monitor:** Mr. Larry Pierce

**On-Site** 7:30 AM  
**Off-Site** 4:00 PM

**Mileage:** 24 miles  
**Travel Time:** 0.5 hours



## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 6/25/02  
 Weather: Sunny, 80 °F  
 Page: 1 of 1

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05	Konan02			
Corrected Maximum Dry Density, pcf	123.3	114.8			
Corrected Optimum Moisture Content, %	8.6	11.5			

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	9+00-55N	4.8	121.5	98.5	Konan05	Roadway- Lift9
2	8+50-55N	5.3	119.2	96.7	Konan05	Roadway- Lift6
3	9+00-55N	3.5	124.8	101.2	Konan05	Roadway- Lift10
4	8+50-55N	3.3	122.6	99.4	Konan05	Roadway-Lift7
5	8+00-55N	5.0	103.9	90.5	Konan02	Roadway-Lift1

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 7:30 AM  
 Off-Site: 4:00AM

Mileage: 24 miles  
 Travel Time: 0.5 hours

## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Roadway

Project #: GTX-3544  
 Date: 6/27/02  
 Weather: Partly Cloudy, 90 °F  
 Page: 1 of 1

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan02				
Corrected Maximum Dry Density, pcf	114.8				
Corrected Optimum Moisture Content, %	11.5				

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	8+00 - 55N	5.1	115.6	100.7	Konan02	Roadway - Lift 2
2	7+60 - 55N	4.8	115.1	100.3	Konan02	Roadway - Lift 2
3	8+25 - 55N	4.5	113.1	98.5	Konan02	Roadway - Lift 3
4	7+75 - 55N	4.2	115.3	100.4	Konan02	Roadway - Lift 3
5	8+25 - 55N	4.8	119.3	103.9	Konan02	Roadway - Lift 4
6	7+75 - 55N	4.2	106.3	92.6	Konan02	Roadway - Lift 4
7	8+50 - 55N	3.5	115.9	101.0	Konan02	Roadway - Lift 5
8	8+00 - 55N	4.7	112.3	97.8	Konan02	Roadway - Lift 5
9	8+75 - 55N	4.1	115.5	100.6	Konan02	Roadway - Lift 6
10	8+25 - 55N	4.0	117.2	102.1	Konan02	Roadway - Lift 6
11	7+75 - 55N	7.4	108.6	94.6	Konan02	Roadway - Lift 6

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Craig Paradis

On-Site: 8:00 AM

Mileage: 24 miles

Off-Site: 3:45 PM

Travel Time: 0.5 hours

## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:** Various

**Project #:** GTX-3544  
**Date:** 7/1/02  
**Weather:** Sunny, 80 °F  
**Page:** 1 of 1

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05				
Corrected Maximum Dry Density, pcf	123.3				
Corrected Optimum Moisture Content, %	8.6				

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	9+25-55N	3.8	118.8	96.3	Konan05	Roadway Lift11
2	8+75-55N	5.3	115.6	93.8	Konan05	Roadway Lift7
3	8+25-55N	6.7	111.9	90.8	Konan05	Road Lift 7
4	9+00-55N	5.1	115.4	93.6	Konan05	Roadway Lift12
5	8+50-55N	5.1	116.2	94.2	Konan05	Roadway Lift8
6	8+00-55N	4.1	116.1	94.2	Konan05	Roadway Lift 8
7	9+00-50N	4.1	111.2	90.2	Konan05	Roadway Lift13
8	8+50-50N	5.7	114.3	92.7	Konan05	Roadway Lift9
9	8+00-50N	4.2	111.1	90.1	Konan05	Roadway Lift9
10	9+25-50N	4.9	113.6	92.1	Konan05	Roadway-Lift14
11	8+75-50N	5.2	116.8	94.7	Konan05	Roadway Lift10
12	8+25-50N	5.6	118.7	96.3	Konan05	Roadway Lift10

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 7:30 AM  
 Off-Site: 4:00 PM

Mileage: 24 miles  
 Travel Time: 0.5 hours

## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:** Various

**Project #:** GTX-3544  
**Date:** 7/2/02  
**Weather:** Cloudy, 80 °F  
**Page:** 1 of 1

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05				
Corrected Maximum Dry Density, pcf	123.3				
Corrected Optimum Moisture Content, %	8.6				

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	8+75-50N	5.9	112.6	91.3	Konan05	Roadway Lift 11
2	8+25-50N	4.4	114.7	93.0	Konan05	Roadway Lift 11

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

**Notes:** 6 inch gauge depth unless otherwise noted

**Field Monitor:** Mr. Larry Pierce

**On-Site:** 8:00 AM

**Mileage:** 24 miles

**Off-Site:** 11:00 AM

**Travel Time:** 0.5 hours



## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 7/8/02  
 Weather: Sunny, 80 °F  
 Page: 1 of 2

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05	Konan02			
Corrected Maximum Dry Density, pcf	123.3	114.8			
Corrected Optimum Moisture Content, %	8.6	11.5			

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	11+75-50N	3.6	108.2	94.3	Konan02	Roadway-Lift15
2	11+25-50N	4.3	110.5	96.3	Konan02	Roadway-Lift15
3	10+75-50N	3.5	110.8	96.5	Konan02	Roadway-Lift15
4	10+25-50N	3.5	111.0	96.7	Konan02	Roadway-Lift15
5	9+75-50N	4.5	114.1	99.4	Konan02	Roadway-Lift15
6	9+25-50N	3.7	116.0	94.1	Konan05	Roadway-Lift15
7	8+75-50N	4.3	114.1	92.5	Konan05	Roadway-Lift12
8	8+25-50N	3.9	112.1	90.9	Konan05	Roadway-Lift12
9	11+75-50N	2.8	115.7	93.8	Konan05	Roadway-Lift16
10	11+25-50N	4.1	114.2	92.6	Konan05	Roadway-Lift16
11	10+75-50N	4.0	116.9	94.8	Konan05	RoadwayLift16
12	10+25-50N	3.6	116.5	94.5	Konan05	RoadwayLift16
13	9+75-50N	3.7	113.8	92.3	Konan05	Roadway-Lift16
14	9+25-50N	3.4	120.0	97.3	Konan05	Roadway-Lift16
15	8+75-50N	3.8	114.4	92.8	Konan05	Roadway-Lift13

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 7/8/02  
 Weather: Sunny, 80 °F  
 Page: 2 of 2

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05				
Corrected Maximum Dry Density, pcf	123.3				
Corrected Optimum Moisture Content, %	8.6				

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
16	8+25-50N	4.5	111.5	90.4	Konan05	Roadway-Lift13
17	11+75-50N	4.4	117.7	95.5	Konan05	Roadway-Lift17
18	11+25-50N	4.1	116.3	94.3	Konan05	Roadway-Lift17
19	10+75-50N	4.8	112.6	91.3	Konan05	Roadway-Lift17
20	10+25-50N	4.4	114.0	92.5	Konan05	Roadway-Lift17
21	9+75-50N	3.2	115.8	93.9	Konan05	Roadway-Lift17
22	9+25-50N	4.4	112.6	91.3	Konan05	Roadway-Lift17
23	8+75-50N	3.8	114.5	92.8	Konan05	Roadway-Lift13
24	8+25-50N	4.1	119.5	96.9	Konan05	Roadway-Lift13

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 7:30 AM  
 Off-Site: 3:00PM

Mileage: 24 miles  
 Travel Time: 0.5 hours

## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 7/9/02  
 Weather: Partly Cloudy, 80 °F  
 Page: 1 of 1

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan01	Konan05			
Corrected Maximum Dry Density, pcf	132.9	123.3			
Corrected Optimum Moisture Content, %	7.1	8.6			

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	8 + 25 - 50N	2.7	129.6	97.5	Konan01	Roadway-Lift15
2	8 + 75 - 50N	3.2	115.8	93.9	Konan05	Roadway-Lift15
3	9 + 25 - 50N	3.4	113.8	92.3	Konan05	Roadway-Lift18
4	9 + 75 - 50N	4.7	113.5	96.7	Konan05	Roadway-Lift18
5	10 + 25 - 50N	3.8	111.3	90.3	Konan05	Roadway-Lift18
6	10 + 75 - 50N	3.8	113.2	94.1	Konan05	Roadway-Lift18
7	11 + 25 - 50N	3.6	113.3	91.9	Konan05	Roadway-Lift18
8	11 + 75 - 50N	4.8	111.2	90.2	Konan05	Roadway-Lift18
9	11 + 75 - 40N	5.3	116.7	94.6	Konan05	Roadway-Lift 19
10	11 + 25 - 40N	4.8	115.8	93.9	Konan05	Roadway-Lift 19
11	10 + 75 - 40N	4.9	115.7	93.8	Konan05	Roadway-Lift 19
12	10 + 25 - 40N	4.5	112.7	91.4	Konan05	Roadway-Lift 19
13	9 + 75 - 40N	4.6	112.5	92.3	Konan05	Roadway-Lift 19
14	9 + 25 - 40N	4.5	112.7	92.3	Konan05	Roadway-Lift 19
15	8 + 75 - 40N	4.6	114.4	97.3	Konan05	Roadway-Lift16
16	8 + 25 - 40N	4.2	115.6	92.8	Konan05	Roadway-Lift16

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Larry Pierce

On-Site: 8:00 AM      Mileage: 24 miles  
 Off-Site: 12:00 PM      Travel Time: 0.5 hours

## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 7/10/02  
 Weather: Partly Cloudy, 80 °F  
 Page: 1 of 1

## Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05				
Corrected Maximum Dry Density, pcf	123.3				
Corrected Optimum Moisture Content, %	8.6				

## Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	11 + 75	7.9	112.5	91.2	Konan05	Roadway-Lift 20
2	11 + 25	6.6	119.0	96.5	Konan05	Roadway-Lift 20
3	10 + 75	8.3	120.6	97.8	Konan05	Roadway-Lift 20
4	10 + 25	7.4	121.0	96.7	Konan05	Roadway-Lift 20
5	9 + 75	6.8	119.2	96.7	Konan05	Roadway-Lift 20
6	9 + 25	6.7	116.9	94.1	Konan05	Roadway-Lift 20
7	8 + 75	6.7	118.6	96.2	Konan05	Roadway-Lift 17
8	8 + 25	8.0	132.3	107.3	Konan05	Roadway-Lift 17

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	---

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Mike Driscoll

On-Site: 10:30 AM  
 Off-Site: 5:00 PM

Mileage: 24 miles  
 Travel Time: 0.5 hours



## Field Density Test Report

Client: Stone & Webster  
 Project Name: Devens Landfill  
 Project Location: Devens, MA  
 Testing Location: Various

Project #: GTX-3544  
 Date: 7/11/02  
 Weather: Partly Cloudy, 70 °F  
 Page: 1 of 2

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05				
Corrected Maximum Dry Density, pcf	123.3				
Corrected Optimum Moisture Content, %	8.6				

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	11 + 75	6.5	124.4	100.9	Konan05	Roadway-Lift 23
2	11 + 25	6.7	122.4	99.3	Konan05	Roadway-Lift 23
3	10 + 75	5.2	123.1	99.8	Konan05	Roadway-Lift 23
4	10 + 25	5.8	122.3	96.7	Konan05	Roadway-Lift 23
5	9 + 75	6.3	120.8	98.0	Konan05	Roadway-Lift 23
6	9 + 25	7.0	123.9	94.1	Konan05	Roadway-Lift 23
7	8 + 75	7.8	119.5	96.9	Konan05	Roadway-Lift 20
8	8 + 25	6.1	121.6	98.6	Konan05	Roadway-Lift 20
9	11 + 75	4.6	119.5	96.9	Konan05	Roadway-Lift 24
10	11 + 25	7.8	119.4	96.8	Konan05	Roadway-Lift 24
11	10 + 75	7.5	121.5	98.5	Konan05	Roadway-Lift 24
12	10 + 25	8.4	120.2	97.5	Konan05	Roadway-Lift 24
13	9 + 75	6.4	117.3	95.1	Konan05	Roadway-Lift 24
14	9 + 25	5.7	117.6	95.4	Konan05	Roadway-Lift 24
15	8 + 75	6.2	120.6	97.8	Konan05	Roadway-Lift 21

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	---

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Mike Drsicoll

Client: Stone & Webster

Project #: GTX-3544

## Field Density Test Report

Project Name: Devens Landfill  
Project Location: Devens, MA  
Testing Location: Various

Date: 7/11/02  
Weather: Partly Cloudy, 70 °F  
Page: 1 of 2

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05				
Corrected Maximum Dry Density, pcf	123.3				
Corrected Optimum Moisture Content, %	8.6				

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
16	8 + 25	6.4	117.4	95.2	Konan05	Roadway-Lift 21
17	11 + 75	5.1	122.2	99.1	Konan05	Roadway-Lift 25
18	11 + 25	5.4	118.8	96.4	Konan05	Roadway-Lift 25
19	10 + 75	4.6	117.1	96.7	Konan05	Roadway-Lift 25
20	10 + 25	4.6	122.0	98.9	Konan05	Roadway-Lift 25
21	9 + 75	4.4	121.3	94.1	Konan05	Roadway-Lift 25
22	9 + 25	5.4	117.9	95.6	Konan05	Roadway-Lift 25
23	8 + 75	4.7	117.3	95.1	Konan05	Roadway-Lift 22

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3411	---

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Mike Driscoll

On-Site: 8:00 AM  
Off-Site: 4:45 PM

Mileage: 24 miles  
Travel Time: 0.5 hours

## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:**

**Project #:** GTX-3544  
**Date:** 7/15/02  
**Weather:** Sunny, 80 °F  
**Page:** 1 of 1

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	Konan05				
Corrected Maximum Dry Density, pcf	123.3				
Corrected Optimum Moisture Content, %	8.6				

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	11+75 - 50N	4.9	118.8	96.3	Konan05	Roadway Lift 26
2	11+25 - 50N	5.8	120.3	97.6	Konan05	Roadway Lift 26
3	10+75 - 50N	5.0	119.0	96.5	Konan05	Roadway Lift 26
4	10+25 - 50N	4.9	115.4	93.6	Konan05	Roadway Lift 26
4a	10+25 - 50N	4.7	119.1	96.6	Konan05	retest
5	12+00 - 50N	7.0	120.3	97.6	Konan05	Roadway Lift 27
6	11+50 - 50N	6.4	125.7	101.9	Konan05	Roadway Lift 27
7	11+00 - 50N	6.0	121.5	98.5	Konan05	Roadway Lift 27
8	10+50 - 50N	4.7	122.9	99.7	Konan05	Roadway Lift 27
9	8+50 - 50N	2.9	118.9	96.4	Konan05	Roadway-Lift 23
10	8+00 - 50N	4.1	120.8	98.0	Konan05	Roadway-Lift 23

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Troxler 3440	Sand Cone C

**Notes:** 6 inch gauge depth unless otherwise noted

**Field Monitor:** Mr. Craig Paradis

**On-Site:** 8:45 AM

**Off-Site:** 3:00 PM

**Mileage:** 24 miles

**Travel Time:** 0.5 hours

# Density and Unit Weight of Soil in Place by the Sand-Cone Method by ASTM D 1556

Client: Stone & Webster  
Project Name: Devens Landfill

GTX #: 3544  
Location: Devens, MA

## Reference Laboratory Compaction Characteristics

Sample ID	Konan01	Konan02	Konan05				
Maximum Dry Density, lb/ft <sup>3</sup>	132.9	114.8	123.3				
Optimum Moisture Content, %							

## In-place Sand Cone Test Data

Test #	SC-1	SC-2	SC-3	SC-4	SC-5	SC-6	
Date	06/11/02	06/11/02	06/18/02	06/20/02	07/02/02	07/08/02	
Test Hole Volume, ft <sup>3</sup>	0.0294	0.0260	0.0279	0.0304	0.0253	0.0238	
Wet Density, lb/ft <sup>3</sup>	129.5	141.7	129.8	117.4	120.4	111.4	
Dry Density, lb/ft <sup>3</sup>	120.8	131.1	120.0	110.9	111.0	105.7	
Water Content, %	7.2	8.0	8.2	5.8	8.5	5.4	
Reference Sample ID	Konan01	Konan01	Konan01	Konan05	Konan05	Konan02	
Compaction, %	91	99	90	90	90	92	

## Test Locations / Comments

Test #	Location	Comments
SC1	See Nuclear Gauge Density Report	Nuclear gauge test # 2
SC2	See Nuclear Gauge Density Report	Nuclear gauge test # 10
SC3	See Nuclear Gauge Density Report	Nuclear gauge test # 16
SC4	See Nuclear Gauge Density Report	Nuclear gauge test # 15
SC5	See Nuclear Gauge Density Report	Nuclear gauge test #
SC6	See Nuclear Gauge Density Report	Nuclear gauge test # 1

Sand Cone ID: SC-C  
Bulk Density of Sand, lb/ft<sup>3</sup>: 95.06  
Mass of Sand to Fill Cone & Base Plate, lb: 1759

Proctor Method: ASTM D 1557  
Moisture Content Method: ASTM D 2216

Field Monitor:

Mr. Larry Pierce



# Density and Unit Weight of Soil in Place by the Sand-Cone Method by ASTM D 1556

Client: Stone & Webster  
Project Name: Devens Landfill

GTX #: 3544  
Location: Devens, MA

## Reference Laboratory Compaction Characteristics

Sample ID	Konan01	Konan02	Konan05				
Maximum Dry Density, lb/ft <sup>3</sup>	132.9	114.8	123.3				
Optimum Moisture Content, %							

## In-place Sand Cone Test Data

Test #	SC-3						
Date	06/18/02						
Test Hole Volume, ft <sup>3</sup>	0.0279						
Wet Density, lb/ft <sup>3</sup>	129.8						
Dry Density, lb/ft <sup>3</sup>	120.0						
Water Content, %	8.2						
Reference Sample ID	Konan01						
Compaction, %	90						

## Test Locations / Comments

Test #	Location	Comments
SC3	See Nuclear Gauge Density Report	Nuclear gauge test # 16

Sand Cone ID: SC-C  
Bulk Density of Sand, lb/ft<sup>3</sup>: 95.06  
Mass of Sand to Fill Cone & Base Plate, lb: 1759

Proctor Method: ASTM D 1557  
Moisture Content Method: ASTM D 2216

Field Monitor:

Mr. Larry Pierce

# Density and Unit Weight of Soil in Place by the Sand-Cone Method by ASTM D 1556

Client: Stone & Webster  
Project Name: Devens Landfill

GTX #: 3544  
Location: Devens, MA

## Reference Laboratory Compaction Characteristics

Sample ID	Konan01	Konan02	Konan05				
Maximum Dry Density, lb/ft <sup>3</sup>	132.9	114.8	123.3				
Optimum Moisture Content, %							

## In-place Sand Cone Test Data

Test #	SC-4						
Date	06/20/02						
Test Hole Volume, ft <sup>3</sup>	0.0304						
Wet Density, lb/ft <sup>3</sup>	117.4						
Dry Density, lb/ft <sup>3</sup>	110.9						
Water Content, %	5.8						
Reference Sample ID	Konan05						
Compaction, %	90						

## Test Locations / Comments

Test #	Location	Comments
SC4	See Nuclear Gauge Density Report	Nuclear gauge test # 15

Sand Cone ID: SC-C  
Bulk Density of Sand, lb/ft<sup>3</sup>: 95.06  
Mass of Sand to Fill Cone & Base Plate, lb: 1759

Proctor Method: ASTM D 1557  
Moisture Content Method: ASTM D 2216

Field Monitor:

Mr. Larry Pierce

# Density and Unit Weight of Soil in Place by the Sand-Cone Method by ASTM D 1556

Client: Stone & Webster  
Project Name: Devens Landfill

GTX #: 3544  
Location: Devens, MA

## Reference Laboratory Compaction Characteristics

Sample ID	Konan01	Konan02	Konan05				
Maximum Dry Density, lb/ft <sup>3</sup>	132.9	114.8	123.3				
Optimum Moisture Content, %							

## In-place Sand Cone Test Data

Test #	SC-6						
Date	07/02/02						
Test Hole Volume, ft <sup>3</sup>	0.0253						
Wet Density, lb/ft <sup>3</sup>	120.4						
Dry Density, lb/ft <sup>3</sup>	111.0						
Water Content, %	8.5						
Reference Sample ID	Konan05						
Compaction, %	90						

## Test Locations / Comments

Test #	Location	Comments
SC6	See Nuclear Gauge Density Report	Nuclear gauge test # 1

Sand Cone ID: SC-C  
Bulk Density of Sand, lb/ft<sup>3</sup>: 95.06  
Mass of Sand to Fill Cone & Base Plate, lb: 1759

Proctor Method: ASTM D 1557  
Moisture Content Method: ASTM D 2216

Field Monitor:

Mr. Larry Pierce

# Density and Unit Weight of Soil in Place by the Sand-Cone Method by ASTM D 1556

Client: Stone & Webster  
Project Name: Devens Landfill

GTX #: 3544  
Location: Devens, MA

## Reference Laboratory Compaction Characteristics

Sample ID	Konan01	Konan02	Konan05				
Maximum Dry Density, lb/ft <sup>3</sup>	132.9	114.8	123.3				
Optimum Moisture Content, %							

## In-place Sand Cone Test Data

Test #	SC-10						
Date	07/09/02						
Test Hole Volume, ft <sup>3</sup>	0.0255						
Wet Density, lb/ft <sup>3</sup>	121.1						
Dry Density, lb/ft <sup>3</sup>	112.5						
Water Content, %	7.6						
Reference Sample ID	Konan05						
Compaction, %	91						

## Test Locations / Comments

Test #	Location	Comments
SC10	See Nuclear Gauge Density Report	Nuclear gauge test # 9

Sand Cone ID: SC-C  
Bulk Density of Sand, lb/ft<sup>3</sup>: 95.06  
Mass of Sand to Fill Cone & Base Plate, lb: 1759

Proctor Method: ASTM D 1557  
Moisture Content Method: ASTM D 2216

Field Monitor:

Mr. Larry Pierce



## Field Density Test Report

**Client:** Stone & Webster  
**Project Name:** Devens Landfill  
**Project Location:** Devens, MA  
**Testing Location:**

**Project #:** GTX-3544  
**Date:** 10/2/2002  
**Weather:** Sunny, 80 F  
**Page:** 1 of 1

### Reference Laboratory Compaction Characteristics (ASTM D 1557)

Sample ID	CONC-3				
Corrected Maximum Dry Density, pcf	128.0				
Corrected Optimum Moisture Content, %	9.4				

### Field Compaction Test Results

Test #	Test Location	Moisture Content, %	Dry Density, pcf	Degree of Compaction, %	Reference Sample ID	Comments
1	11+75	7.8	127.7	99.8	CONC-3	AOC-40 Roadway
2	10+75	8.4	127.9	99.9	CONC-3	AOC-40 Roadway
3	9+75	9.9	126.0	98.4	CONC-3	AOC-40 Roadway
4	8+75	10.5	120.2	93.9	CONC-3	AOC-40 Roadway
4a	8+75	10.1	123.8	96.7	CONC-3	AOC-40 Roadway
6	8	9.5	134.6	105.2	CONC-3	AOC-40 Roadway

Method	Nuclear Density Gauge (ASTM D 2922/3017)	Sand Cone (ASTM D 1556)
Equipment ID	Siemens A382	

Notes: 6 inch gauge depth unless otherwise noted

Field Monitor: Mr. Steven Petrella

On-Site: 1:00 PM

Off-Site: 1:45 PM

Mileage: 24 miles

Travel Time: 0.5 hours