

Appendix E

Water Treatment System Monitoring Data and Requirements

Appendix E

General Electric Company Mead Road Pond Area Interim Remedial Measures Completion Report

Summary of Water Treatment Results

Sample Date	Location	Total PCB (ug/L)	TSS Result (mg/L)	Water Disposition
7/12/2001	effluent from tank #3	<0.065	<1	passed; released
7/25/2001	effluent from tank #1	<0.065	<1	passed; released
7/30/2001	effluent from tank #3	<0.065	<1	passed; released
8/2/2001	effluent from tank #3	<0.065	4.5	passed; released
8/13/2001	effluent from tank #1	<0.065	<1	resampled for TSS on 8/22/01; passed; released
8/29/2001	effluent from tank #3	<0.065	3	passed; released
8/31/2001	effluent from tank #2	<0.065	6	resampled for TSS on 9/4/01; passed; released
9/13/2001	effluent from tank #1	<0.065	1.5	passed; released
9/13/2001	effluent from tank #2	<0.065	<1	passed; released
9/14/2001	effluent from tank #2	<0.065	8.5	resampled for TSS on 9/17/01; passed; released
9/18/2001	effluent from tank #4	<0.065	3.5	passed; released
9/19/2001	effluent from tank #3	<0.065	7	passed; released
9/20/2001	effluent from tank #1	<0.065	5.5	passed; released
9/20/2001	effluent from tank #4	<0.065	5.5	passed; released
9/24/2001	effluent from tank #2	<0.065	1.5	passed; released
9/24/2001	effluent from tank #3	<0.065	<1	passed; released
9/26/2001	effluent from tank #1	<0.065	<1	resampled for TSS on 9/27/01; passed; released
9/27/2001	effluent from tank #2	<0.065	<1	passed; released
9/28/2001	effluent from tank #3	<0.065	3	passed; released
10/4/2001	effluent from tank #4	<0.065	<1	passed; released



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CLIENT: Clean Harbors, Inc.
CLIENT'S SAMPLE ID: Effluent
AES sample #: 010712BG02

Tank #3

Samples taken by: L. Salisbury
MATRIX: Water

Date Sampled: 07/12/01
Date sample received: 07/12/01
Location: Mead Pond
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	<1	mg/l	JK-Y-20	07/12/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI13	07/12/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI13	07/12/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI13	07/12/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI13	07/12/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI13	07/12/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI13	07/12/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI13	07/12/01

APPROVED BY: Chloral K
Report date: 01/28/02



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Effluent T-11

AES sample #: 010725BB02

Samples taken by: T. Maken

MATRIX: Water

Date Sampled: 07/25/01

Date sample received: 07/25/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	<1.0	mg/l	JK-Y-34	07/27/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI19	07/26/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI19	07/26/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI19	07/26/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI19	07/26/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI19	07/26/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI19	07/26/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI19	07/26/01

APPROVED BY: _____

Report date: 01/28/02



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Effluent (1 day) *take #2*

AES sample #: 010730 M02

Samples taken by: Client

MATRIX: Water

Date Sampled: 07/30/01

Date sample received: 07/30/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	<1	mg/l	JK-Y-40	07/31/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI20	07/30/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI20	07/30/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI20	07/30/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI20	07/30/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI20	07/30/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI20	07/30/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI20	07/30/01



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CHAIN OF CUSTODY RECORD

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Client Name: <i>Clean Harbors</i>		Address: <i>32 Bask Rd Glenmont NY 12077</i>	
Send Report To: <i>Paul Pukk</i>		Project Name (Location): <i>Dewey Loeffel</i>	Samplers: (Names)
Client Phone No: <i>434-0149</i>		PO Number: <i>EN 327267</i>	Samplers: (Signature)
Client Fax No: <i>434-9118</i>			

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
<i>010730 mo1</i>	<i>Between Carbon Towers</i>	<i>7/30</i>	<i>A</i>	<i>H2O</i>	<i>X</i>	<i>(4)</i>	<i>PCB, TSS</i>	
<i>mo2</i>	<i>Effluent (1 day)</i>	<i>7/30</i>	<i>A</i>	<i>H2O</i>	<i>X</i>	<i>(2)</i>	<i>PCB, TSS</i>	
<i>mo3</i>	<i>After filters</i>	<i>7/30</i>	<i>A</i>	<i>H2O</i>	<i>X</i>	<i>1</i>	<i>PCB, TSS</i>	
			<i>P</i>					
			<i>A</i>					
			<i>P</i>					
			<i>A</i>					
			<i>P</i>					
			<i>A</i>					
			<i>P</i>					
			<i>A</i>					
			<i>P</i>					
			<i>A</i>					
			<i>P</i>					
			<i>A</i>					
			<i>P</i>					
			<i>A</i>					
			<i>P</i>					
			<i>A</i>					
			<i>P</i>					

Turnaround Time Request: ☐ 1 Day ☐ 3 Day ☒ Normal		Special Instructions/Remarks	
CC Report To:			
Relinquished by: (Signature) <i>Rosario Austin</i>		Received by: (Signature) <i>M. L. P.</i>	Date/Time <i>7/30/01 338</i>
Relinquished by: (Signature)		Received for Laboratory by:	Date/Time
TEMPERATURE Ambient or Chilled Notes: <i>ms/c</i>	PROPERLY PRESERVED <i>Y</i> <i>N</i> Notes:	RECEIVED WITHIN HOLDING TIMES <i>Y</i> <i>N</i> Notes:	

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CLIENT: Clean Harbors, Inc. *hank*

CLIENT'S SAMPLE ID: Effluent #3

AES sample #: 010802AY02

Samples taken by: Client

MATRIX: Water

Date Sampled: 08/02/01

Date sample received: 08/02/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	4.5	mg/l	JK-Y-43	08/02/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI22	08/02/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI22	08/02/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI22	08/02/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI22	08/02/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI22	08/02/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI22	08/02/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI22	08/02/01

APPROVED BY: *Christopher K.*

Report date: 01/28/02



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Client Name: Clean Harbors		Address: 32 Bask Rd Glenmont, NY 12077	
Send Report To: Paul RKK		Project Name (Location): Dowey Loeffel	Samplers: (Names)
Client Phone No: 766-0993		PO Number: EU 327267	Samplers: (Signature)
Client Fax No: 766-6494			

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
010802 AY01	Between Carbon Towers	8/2	A	H ₂ O		X	2	PCB, TSS
			P					
AY02	Effluent #3	8/2	A	H ₂ O		X	2	PCB, TSS
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
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			P					
			A					
			P					

Turnaround Time Request: ☐ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day 	Special Instructions/Remarks: Effluent #3 - 1 Day Between Carbon Towers - normal
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CC Report To:		
Relinquished by: (Signature) Robert Austin	Received by: (Signature) M.L.P.	Date/Time 8/2/01 3²⁵
Relinquished by: (Signature)	Received for Laboratory by:	Date/Time

TEMPERATURE ☒ Ambient or Chilled Notes: _____	PROPERLY PRESERVED ☒ Y N Notes: _____	RECEIVED WITHIN HOLDING TIMES ☒ Y N Notes: _____
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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: At Effluent Pond

AES sample #: 010813 V01

Samples taken by: T. Makeir

MATRIX: Water

Date Sampled: 08/13/01

Date sample received: 08/13/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	14	mg/l	JK-Z-2	08/16/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI25	08/13/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI25	08/13/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI25	08/13/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI25	08/13/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI25	08/13/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI25	08/13/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI25	08/13/01

APPROVED BY:

Report date: 01/28/02

A handwritten signature in black ink, appearing to read "Christopher K. ...", is written over a horizontal line.

231339 B



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CLIENT: Clean Harbors, Inc.
CLIENT'S SAMPLE ID: Frac #1
AES sample #: 010822AX02

Samples taken by: Client
MATRIX: Water

Date Sampled: 08/22/01
Date sample received: 08/22/01
Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	<1	mg/l	JK-2-6	08/23/01

APPROVED BY: _____

Report date: 01/28/02

A handwritten signature in cursive script, appearing to read "Christopher K.", is written over a horizontal line.



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Frac Tank #3

AES sample #: 010829BK01

Samples taken by: Client

MATRIX: Water

Date Sampled: 08/29/01

Date sample received: 08/29/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	3.0	mg/l	JK-Z-13	08/30/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI31	08/29/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI31	08/29/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI31	08/29/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI31	08/29/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI31	08/29/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI31	08/29/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI31	08/29/01

APPROVED BY: Clitorah Ho

Report date: 01/28/02



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Frac Tank #2

AES sample #: 010831AG01

Samples taken by: Client

MATRIX: Water

Date Sampled: 08/31/01

Date sample received: 08/31/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	16	mg/l	JK-Z-16	08/31/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI32	08/31/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI32	08/31/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI32	08/31/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI32	08/31/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI32	08/31/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI32	08/31/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI32	08/31/01

APPROVED BY: 

Report date: 01/28/02



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Client Name: CLEAN HARBORS		Address: 32 BAST RD GLENMONT NY 12077					
Send Report To: PAUL PUCK		Project Name (Location): Dewey LAMPILL		Samplers (Names): THOMAS			
Client Phone No: 766-0993		PO Number: EN 327267		Sampler's Signature: <i>[Signature]</i>			
Client Fax No: 766-6491							
AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type Matrix	Cont's	Number of Cont's	Analysis Required
010821 AG01	FRAC TANK #2	8/31	A	H ₂ O		2	PCB / TSS
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				
			A				
			P				

Turnaround Time Request: ☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day BY TUE AM		Special Instructions/Remarks	
CC Report To:			
Relinquished by: (Signature)		Received by: (Signature)	Date/Time
Relinquished by: (Signature)		Received for Laboratory by: <i>[Signature]</i>	Date/Time: 8/31/01 3:55
TEMPERATURE Ambient or <u>Chilled</u>	PROPERLY PRESERVED <u>Y</u> N	RECEIVED WITHIN HOLDING TIMES <u>Y</u> N	
Notes: _____	Notes: _____	Notes: _____	

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YELLOW - Sampler Copy

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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Frac Tank #2

AES sample #: 010904AE01

Samples taken by: T. Makein

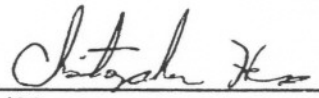
MATRIX: Water

Date Sampled: 09/04/01

Date sample received: 09/04/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	6.0	mg/l	JK-Z-18	09/05/01

APPROVED BY: 
Report date: 01/28/02



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Frac Tank #1

AES sample #: 010913BM01

Samples taken by: R. Austin

MATRIX: Water

Date Sampled: 09/13/01

Date sample received: 09/13/01

Location: Dewey Loefel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	1.5	mg/l	JK-Z-28	09/14/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01



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CLIENT: Clean Harbors, Inc.

Date Sampled: 09/13/01

CLIENT'S SAMPLE ID: Frac Tank #2

Date sample received: 09/13/01

AES sample #: 010913BM02

Samples taken by: R. Austin

Location: Dewey Loefel

MATRIX: Water

grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	<1	mg/l	JK-Z-28	09/14/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI37	09/13/01

APPROVED BY:

Report date: 01/28/02



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Client Name: <i>Clean Harbors</i>	Address: <i>32 Back Rd Glenmont</i>	
Send Report To: <i>Paul PukK</i>	Project Name (Location): <i>Deveg Laetke</i>	Samplers: (Names)
Client Phone No:	PO Number: <i>EN 327269</i>	Samplers: (Signature)
Client Fax No:		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
010913 Bm01	Frac # 1	9/13	A	H ₂ O		X	2	PCB, TSS
Bm02	Frac # 2	9/13	A	H ₂ O		X	2	PCB, TSS
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
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			P					
			A					
			P					
			A					
			P					

Turnaround Time Request: ☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day		Special Instructions/Remarks <i>→ or less</i>	
CC Report To:			
Relinquished by: (Signature) <i>Rosend Austin</i>		Received by: (Signature) <i>[Signature]</i>	Date/Time
Relinquished by: (Signature)		Received for Laboratory by: <i>[Signature]</i>	Date/Time <i>9/13/01 5:00</i>
TEMPERATURE Ambient or Chilled Notes: _____	PROPERLY PRESERVED <i>(Y)</i> <i>N</i> Notes: _____	RECEIVED WITHIN HOLDING TIMES <i>(Y)</i> <i>N</i> Notes: _____	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.

230625



Experience is the solution

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CLIENT: Clean Harbors, Inc.
CLIENT'S SAMPLE ID: Frac #2
AES sample #: 010914AT06

Samples taken by: Client
MATRIX: Water

Date Sampled: 08/09/14/01
Date sample received: 09/14/01
Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	20	mg/l	JK-Z-28	09/14/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI38	09/14/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI38	09/14/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI38	09/14/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI38	09/14/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI38	09/14/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI38	09/14/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI38	09/14/01

APPROVED BY: Christopher K
Report date: 01/28/02



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Albany, New York 12207
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CHAIN OF CUSTODY RECORD

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Client Name: Clean Harbors		Address: 32 Bask Rd Germant NY						
Send Report To: Paul RKK		Project Name (Location): Dewey Lottel	Samplers: (Names):					
Client Phone No: 766-0993		PO Number: EV327269	Samplers: (Signature):					
Client Fax No: 766-6494								
AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
010914 AT01	TIRE	8/14	A	wipe	x		1	PCB wipe *
			P					
AT02	Dump	8/14	A	wipe	x		1	PCB wipe
			P					
			A					
			P					
AT03	Topsoil	8/14	A	soil				* *
			P					
AT04	Clay Sand	8/14	A	soil				* *
			P					
AT05	Silt	8/14	A	soil				* *
			P					
			A					
			P					
AT06	Frac #2	8/14	A	H ₂ O	x		2	PCB, TSS
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					

Turnaround Time Request: ☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☒ 5 Day		Special Instructions/Remarks → ASAP on wipes, H₂O 5 Days on soils ** pH, organic content, nitrogen, Phosphorus Potassium, Calcium	
CC Report To:			
Relinquished by: (Signature) Rosario Austin		Received by: (Signature) M. L. P.	Date/Time 8/14/01 4:35
Relinquished by: (Signature)		Received for Laboratory by:	Date/Time
TEMPERATURE Ambient or Chilled		PROPERLY PRESERVED Y N	RECEIVED WITHIN HOLDING TIMES Y N
Notes:		Notes:	Notes:

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

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232677



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CLIENT: Clean Harbors, Inc.
CLIENT'S SAMPLE ID: Frac #2
AES sample #: 010917 Q01

Samples taken by: Client
MATRIX: Water

Date Sampled: N/A
Date sample received: 09/17/01
Location: N/A
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	8.5	mg/l	JK-Z-29	09/18/01



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CHAIN OF CUSTODY RECORD

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Client Name: Clean Harbors		Address: 32 Back Rd Glenmont NY	
Send Report To: Paul RKK		Project Name (Location)	Samplers: (Names)
Client Phone No: 766-0993		PO Number: FN 327269	Samplers: (Signature)
Client Fax No: 766-6494			

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
010917Q01	Frac #2		A	H ₂ O		X	1	TSS only
+ 1002	Frac #4		A	H ₂ O		X	2	PCB, TSS
			P	H ₂ O				
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					

NO DATE
ON BOTTLES

Turnaround Time Request: ☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day		Special Instructions/Remarks	
CC Report To:			
Relinquished by: (Signature)		Received by: (Signature)	Date/Time
Relinquished by: (Signature)		Received for Laboratory by: Kenneth S. Fuller	Date/Time 9/17/01 17:30
TEMPERATURE Ambient or Chilled	PROPERLY PRESERVED Y N	RECEIVED WITHIN HOLDING TIMES Y N	
Notes: _____	Notes: _____	Notes: _____	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.

32709 **B**



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CLIENT: Clean Harbors, Inc.
CLIENT'S SAMPLE ID: Frac #4
AES sample #: 010917 Q02

Samples taken by: Client
MATRIX: Water

Date Sampled: N/A
Date sample received: 09/18/01
Location: N/A
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	3.5	mg/l	JK-Z-29	09/18/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI39	09/17/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI39	09/17/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI39	09/17/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI39	09/17/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI39	09/17/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI39	09/17/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI39	09/17/01

APPROVED BY: 
Report date: 01/28/02



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Frac #3

AES sample #: 010919BJ03

Samples taken by: Client

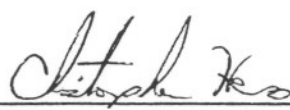
MATRIX: Water

Date Sampled: 09/19/01

Date sample received: 09/19/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	7.0	mg/l	MC-Z-31	09/19/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI40	09/19/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI40	09/19/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI40	09/19/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI40	09/19/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI40	09/19/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI40	09/19/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI40	09/19/01

APPROVED BY: 
Report date: 01/28/02

Page 4

Albany, NY



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Albany, New York 12207
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CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: Clean Harbors	Address: 32 Bark Rd Glenmont NY	
Send Report To: Paul P. K.	Project Name (Location): Dewey Lottel	Samplers: (Names)
Client Phone No: 766-0993	PO Number: EW 327269	Samplers: (Signature)
Client Fax No: 766-6494		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
010919B101	K - Bucket	9/19	A	Wipe		X	1	PCB Wipe
B102	K - Tread	9/19	A	Wipe		X	1	PCB Wipe
			P					
B103	Frag # 3	9/19	A	H2O		X	Z	TSS, PCB
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					

Turnaround Time Request: ☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day		Special Instructions/Remarks → 24 hrs	
CC Report To:			
Relinquished by: (Signature)		Received by: (Signature)	Date/Time
Relinquished by: (Signature)		Received for Laboratory by:	Date/Time 9/19/01 4:45
TEMPERATURE Ambient or Chilled Notes: _____	PROPERLY PRESERVED Y N Notes: _____	RECEIVED WITHIN HOLDING TIMES Y N Notes: _____	

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Adirondack Environmental Services, Inc.

232849



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Frac Tank #1

AES sample #: 010920BB01

Samples taken by: T.Makiew

MATRIX: Water

Date Sampled: 09/20/01

Date sample received: 09/20/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	5.5	mg/l	JK-Z-31	09/21/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Frac Tank #4

AES sample #: 010920BB02

Samples taken by: T.Makiew

MATRIX: Water

Date Sampled: 09/20/01

Date sample received: 09/20/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	5.5	mg/l	JK-Z-31	09/21/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI40	09/20/01

APPROVED BY:

Report date: 01/28/02



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Frac Tank #2

AES sample #: 010924 B01

Samples taken by: Client

MATRIX: Water

Date Sampled: 09/24/01

Date sample received: 09/24/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTES/REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	1.5	mg/l	JK-Z-36	09/24/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01

APPROVED BY: _____

Report date: 01/28/02



314 North Pearl Street
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CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: CLEAN HARBORS		Address: 32 BASK RD GLENMONT NY						
Send Report To: PAUL PUKIL		Project Name (Location): DEWCY LANDFILL		Samplers: (Names) Thom MAKEIN				
Client Phone No: 776-0993		PO Number: EN327269		Sampler: (Signature) <i>[Signature]</i>				
Client Fax No: 776-6494								
AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
010924 BOI <i>[initials]</i>	FRAC TANK 2	924	A	H2O			2	PCB/TSS
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					
			P					
			A					

Turnaround Time Request: ☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day		Special Instructions/Remarks: 24 Hr (Today if possible)	
CC Report To:			
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>[Signature]</i>	Date/Time 9/24/01 8:40
Relinquished by: (Signature) <i>[Signature]</i>		Received for Laboratory by: <i>[Signature]</i>	Date/Time 9/24/01 8:40
TEMPERATURE ☒ Ambient or Chilled	PROPERLY PRESERVED ☒ Y ☐ N		RECEIVED WITHIN HOLDING TIMES ☒ Y ☐ N
Notes: _____	Notes: _____		Notes: _____

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.

232992



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CLIENT: Clean Harbors, Inc.
CLIENT'S SAMPLE ID: Frac #3
AES sample #: 010924AB01

Samples taken by: Client
MATRIX: Water

Date Sampled: 09/24/01
Date sample received: 09/24/01
Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	<1	mg/l	JK-Z-36	09/25/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI41	09/24/01

APPROVED BY: Christopher Ho

Report date: 01/28/02



314 North Pearl Street
Albany, New York 12207
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CHAIN OF CUSTODY RECORD

A full service analytical research laboratory offering solutions to environmental concerns

Client Name: CLEAN HARBORS	Address: 32 BASIK RD GLEN MONT NY	
Send Report To: PAUL RUKK	Project Name (Location): DEWEY LANDFILL	Samplers (Names): THOM MCKEIN
Client Phone No: 776-0993	PO Number:	Samplers (Signature): <i>[Signature]</i>
Client Fax No: 776-6494		

AES Sample Number	Client Sample Identification & Location	Date Sampled	Time A=a.m. P=p.m.	Sample Type			Number of Cont's	Analysis Required
				Matrix	Comp	Grab		
010924AB01	FRAC # 3	9/24	1:30 P	H2O			12	PCB/TSS
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				
				A				
				P				

Turnaround Time Request: ☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day		Special Instructions/Remarks: 24 HR PLEASE	
CC Report To:			
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	
Relinquished by: (Signature)	Received for Laboratory by: KB Fuller	Date/Time 9/24/01 18:00	
TEMPERATURE Ambient or Chilled Notes: _____	PROPERLY PRESERVED ☒ Y ☐ N Notes: _____	RECEIVED WITHIN HOLDING TIMES ☒ Y ☐ N Notes: _____	

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.

223030



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Frac Tank 31

AES sample #: 010926 A01

Samples taken by: T. Makein

MATRIX: Water

Date Sampled: 09/26/01

Date sample received: 09/26/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTE/REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	11	mg/l	JK-Z-37	09/26/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI42	09/26/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI42	09/26/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI42	09/26/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI42	09/26/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI42	09/26/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI42	09/26/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI42	09/26/01

APPROVED BY: 

Report date: 01/28/02



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CLIENT: Clean Harbors, Inc.

Date Sampled: 09/27/01

CLIENT'S SAMPLE ID: FRAC TANK #1

Date sample received: 09/27/01

AES sample #: 010927BD01

Samples taken by: T. Makein

Location: Dewey Landfill

MATRIX: Water

grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	<1	mg/l	JK-Z-41	09/28/01



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: FRAC TANK #2

AES sample #: 010927BD02

Samples taken by: T. Makein

MATRIX: Water

Date Sampled: 09/27/01

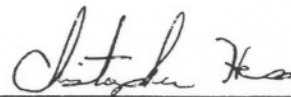
Date sample received: 09/27/01

Location: Dewey Landfill
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	<1	mg/l	JK-Z-41	09/28/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01

APPROVED BY: _____

Report date: 01/28/02





Experience is the solution

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CLIENT: Clean Harbors, Inc.
CLIENT'S SAMPLE ID: Frac #3
AES sample #: 010928AR02

Samples taken by: Client
MATRIX: Water

Date Sampled: 09/28/01
Date sample received: 09/28/01
Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	3.0	mg/l	JK-Z-41	10/01/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI43	09/28/01

APPROVED BY: 
Report date: 01/28/02



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CLIENT: Clean Harbors, Inc.

CLIENT'S SAMPLE ID: Frac Tank #4

AES sample #: 011004BB01

Samples taken by: T. Makein

MATRIX: Water

Date Sampled: 10/04/01

Date sample received: 10/04/01

Location: Dewey Loeffel
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Total Suspended Solids	EPA-160.2	<1	mg/l	JK-Z-47	10/04/01
PCB-1016	EPA-608	<0.065	ug/l	KF-PCBAI46	10/04/01
PCB-1221	EPA-608	<0.065	ug/l	KF-PCBAI46	10/04/01
PCB-1232	EPA-608	<0.065	ug/l	KF-PCBAI46	10/04/01
PCB-1242	EPA-608	<0.065	ug/l	KF-PCBAI46	10/04/01
PCB-1248	EPA-608	<0.065	ug/l	KF-PCBAI46	10/04/01
PCB-1254	EPA-608	<0.065	ug/l	KF-PCBAI46	10/04/01
PCB-1260	EPA-608	<0.065	ug/l	KF-PCBAI46	10/04/01

APPROVED BY: _____

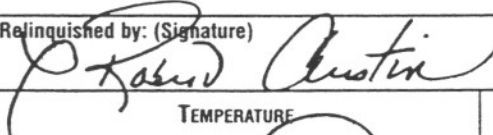
Report date: 01/28/02

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Turnaround Time Request: ☒ 1 Day ☐ 3 Day ☐ Normal ☐ 2 Day ☐ 5 Day		Special Instructions/Remarks 24 TURN AROUND	
CC Report To:			
Relinquished by: (Signature)		Received by: (Signature)	Date/Time
Relinquished by: (Signature) 		Received for Laboratory by: 	Date/Time 10/4/01 3:50
TEMPERATURE Ambient or ☒ Chilled		PROPERLY PRESERVED ☒ Y N	RECEIVED WITHIN HOLDING TIMES ☒ Y N
Notes: _____		Notes: _____	Notes: _____

WHITE - Lab Copy

YELLOW - Sampler Copy

PINK - Generator Copy

Adirondack Environmental Services, Inc.

233478

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning December 1, 1999 and lasting until the June 1, 2000 or completion of the Bay Road Pond Restoration Project (whichever occurs sooner), the discharges from the temporary on-site water treatment system at the Bay Road Pond site to "Tributary 23 to Halfway Brook" shall be limited and monitored by the operator as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations			Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.	Units	Measurement Frequency	Sample Type
<u>Outfall 001 - Treated Water Discharge</u>					
Flow	Monitor	Monitor	gpm	Continuous	Meter
Solids, Total Suspended	Monitor	10	mg/l	Note 1	Grab ²
Oil & Grease	Monitor	15	mg/l	Note 1	Grab ²
pH (range)		6.0 to 9.0	SU	Note 1	Grab ²
Aroclor-1016	NA	0.3 ³	ug/l	Note 4	Grab ²
Aroclor-1221	NA	0.3 ³	ug/l	Note 4	Grab ²
Aroclor-1232	NA	0.3 ³	ug/l	Note 4	Grab ²
Aroclor-1242	NA	0.3 ³	ug/l	Note 4	Grab ²
Aroclor-1248	NA	0.3 ³	ug/l	Note 4	Grab ²
Aroclor-1254	NA	0.3 ³	ug/l	Note 4	Grab ²
Aroclor-1260	NA	0.3 ³	ug/l	Note 4	Grab ²

1. Weekly or once per full effluent frac tank, whichever is less frequent.
2. Grab samples will be taken from the treated effluent that is accumulated in the frac tank when the frac tank is approximately three-fourths full or greater (so that analytical data are available at or before the time the tank is filled). The sample will be considered representative of the full tank. The first frac tank will be analyzed for each of the parameters indicated above. Discharge may not commence until compliance with the above criteria has been confirmed.
3. PCB analyses will be performed using USEPA laboratory method 608. The laboratory must make all reasonable attempts to achieve a Minimum Detection Level (MDL) of 0.065 ug/l. Non-detect at the MDL is the discharge goal. GE shall report all values above the MDL. If the level of any Aroclor is above the MDL for three consecutive samples, GE must evaluate the treatment system and attempt to identify and correct the cause of detectable levels of PCBs in the discharge. If the NYSDEC determines that effluent monitoring results above the MDL can be prevented by modification of the treatment system, GE shall make such modifications in as timely a manner as practical.
4. Daily or once per full effluent frac tank, whichever is less frequent.