



\* WQR removed  
1/2 scanned separately

April 14, 2014

Mr. Ron Gruzesky  
Manager, Solid Waste Branch  
Division of Waste Management  
200 Fair Oaks Drive  
Frankfort, Kentucky 40601

RE: Advanced Disposal Blue Ridge Landfill, Inc.  
First Quarter 2014 Waste Quantity Report  
Permit No. SW033-00004



Dear Mr. Gruzesky:

In compliance with Kentucky Solid Waste Management Regulation 401 KAR 47:190; Section 8,(1), Advanced Disposal Blue Ridge Landfill, Inc. is submitting the First Quarter Report for 2014. This report contains the following:

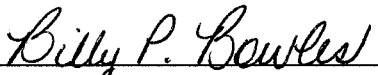
- (a) First Quarter 2014 construction activities:
  - No Construction was performed at Blue Ridge Landfill during the First Quarter 2014
- (b) Monthly volume of waste received from each source:
  - The volume of waste received in the First Quarter of 2014 is included on DEP Form 7046.
- (c) Description of compliance with coverage requirements:
  - Blue Ridge Landfill utilized approximately 19,725 cubic yards of soil for daily and intermediate cover during the First Quarter of 2014. The Cover Report is included with this report.
  - In addition to soil daily cover, Blue Ridge Landfill is currently using Belton Style 113 tarp for alternate daily cover.
- (d) Environmental monitoring results indicating surface water, ground water, methane and other permits requirements:
  - The Surface Water Monitoring was performed on February 17, 2014. The report for the First Quarter of 2014 was submitted to the Division of Waste Management on April 14, 2014.



- Groundwater sampling was performed on February 17, 2014. The Groundwater Monitoring Report will be submitted to the Division of Waste Management by April 17, 2014.
  - Methane Monitoring was performed on February 17, 2014. The results of the methane monitoring for the First Quarter 2014 is included in this report.
  - The amount of non-hazardous solidified waste is included in this report
- (e) The quantity and quality of leachate removed from the site and quantity of leachate recirculated, where disposed of, and method of disposal:
- A total of 1,089,528 gallons of leachate were disposed during the First Quarter of 2014.
  - The leachate is sampled and analyzed monthly as required by the Irvine Municipal Utilities (IMU) permit. A copy of the leachate analysis for the First Quarter of 2014 is included in this report.
  - The leachate was disposed at IMU wastewater treatment facility located in Irvine, Kentucky via a direct connection to the IMU sewer system.
  - Blue Ridge Landfill did not recirculate any leachate during the First Quarter of 2014.

The site is currently filling in Phase 9 using a Caterpillar 826 Compactor. Blue Ridge began disposing waste in Phase 9 during the Fourth Quarter of 2012 and will continue and proceed in Phase 9. Blue Ridge continues to pick up blown litter and perform site clean up.

Sincerely,

  
\_\_\_\_\_  
Billy Bowles  
Site Manager  
Blue Ridge Landfill



FIRST QUARTER 2014 REPORT

ADVANCED DISPOSAL BLUE RIDGE LANDFILL, INC  
Estill County

Permit/Registration No.: SW033-00004

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations.

Billy P. Bowles  
SIGNATURE

4/14/2014  
DATE

Billy Bowles  
NAME-PLEASE PRINT

This "certification clause" shall be signed by the responsible person(s) described in 401KAR 47:160, Section 6(1) and/or (2) and is required by 401 KAR 47:160, Section 6(4). This "clause" may be incorporated into a cover letter and attached to this submission. This clause shall accompany every report submitted to this office.

Advanced Disposal Blue Ridge Landfill, Inc  
 2700 Winchester Rd  
 Irvine, KY 40336  
 Permit # SW03300004  
 Solidification Facility  
 Page 1 of 1

FIRST QUARTER 2014

Waste Stream/ County	Tons Received	Tons of Binder Added (Sawdust)	Total Tons Landfilled
ESTILL	6.01	4.42	10.43
FAYETTE	96.43	70.86	167.29
FLEMING	2.44	1.79	4.23
JESSAMINE	61.81	45.42	107.23
MADISON	1,348.56	990.98	2,339.54
NICHOLAS	25.52	18.75	44.27
SCOTT	2.83	2.08	4.91
WASHINGTON	258.27	189.79	448.06
WHITLEY	8.75	6.43	15.18

Quarter Total                      1,810.62                      1,330.52                      3,141.14

**BLUE RIDGE LANDFILL  
COVER REPORT**

Month: Jan-14

<u>Date</u>	<u>Map Grid Location</u>	<u>Number of Loads used for cover</u>	<u>Cubic Yards of Cover</u>	<u>ADC USED (Y or N)</u>	<u>Gate Tons Received</u>	<u>Bottom Waste Elevation</u>	<u>WEATHER CONDTION N</u>	<u>RAINFALL AMOUNT</u>
1	P-8	7	175		71.72		Sunny, 52	
2	P-8		-		428.98		Rain, 40	0.40
3	P-8	6	150		381.81		Cloudy, 21	
4			-		-			
5			-		-			
6	P-9	9	225		342.75		Rain, 34	0.30
7	P-9		-		231.91		Cloudy, 12	
8	P-9	11	275		280.26		Sunny, 33	
9	P-9	8	200		704.05		Sunny, 43	
10	P-10	13	325		572.98		Sunny, 55	
11			-		-			
12			-		-			
13	P-10	14	350		697.44		Rain, 52	1.00
14	P-10	16	400		633.63		Rain, 52	0.50
15	P-10	19	475		413.86		Sunny, 39	
16	P-10	30	750		333.00		Sunny, 39	
17	P-10	16	400		306.53		Rain, 38	0.30
18			-		-			
19			-		-			
20	P-11	33	825		312.66		Sunny, 55	
21	P-11		-		251.07		Rain, 38	0.40
22	P-11	2	50		338.42		Sunny, 17	
23	P-11	14	350		284.55		Sunny, 18	
24	P-11	7	175		320.48		Sunny, 21	
25			-		-			
26			-		-			
27	P-12	2	50		537.16		Rain, 47	0.40
28	P-12	20	500		473.56		Sunny, 12	
29	P-12	25	625		354.80		Sunny, 22	
30	O-11	30	750		499.48		Sunny, 40	
31	O-11	29	725		337.46		Sunny, 42	
<b>TOTALS</b>			<b>7,775</b>		<b>9,108.56</b>			<b>3.30</b>

**BLUE RIDGE LANDFILL  
COVER REPORT**

Month: Feb-14

<u>Date</u>	<u>Map Grid Location</u>	<u>Number of Loads used for cover</u>	<u>Cubic Yards of Cover</u>	<u>ADC USED (Y or N)</u>	<u>Gate Tons Received</u>	<u>Bottom Waste Elevation</u>	<u>WEATHER CONDITIO N</u>	<u>RAINFALL AMOUNT</u>
1			-	Y				
2			-	Y				
3	O-11		-	Y	129.73		Rain, 32	1.40
4	O-11		-	Y	584.86		Rain, 33	0.20
5	O-11		-	Y	538.80		Rain, 38	0.60
6	O-11	2	50	Y	415.27		Cloudy, 27	
7	O-11	12	300	Y	557.76		Sunny, 27	
8			-	Y	-			
9			-	Y	-			
10	O-10	6	150	Y	452.90		Sunny, 30	0.25
11	O-10	18	450	Y	545.83		Sunny, 32	
12	O-10		-	Y	488.28		Sunny, 37	
13	O-10	16	400	Y	488.20		Rain, 52	0.20
14	O-10	13	325	Y	495.48		Rain, 52	0.30
15			-	Y	-			
16			-	Y	-			
17	O-10	15	375	Y	564.15		Sunny, 56	
18	N-12	24	600	Y	547.55		Sunny, 60	
19	N-12		-	Y	581.72		Rain, 61	0.25
20	N-12	17	425	Y	696.54		Sunny, 71	
21	N-12	1	25	Y	452.07		Rain, 67	1.50
22			-	Y	-			
23			-	Y	-			
24	N-11	11	275	Y	708.33		Sunny, 42	
25	N-11	12	300	Y	596.75		Sunny, 42	
26	N-11	11	275	Y	568.54		Rain, 32	0.25
27	N-11	34	850	Y	474.49		Sunny, 37	
28	N-10	9	225	Y	330.95		Sunny, 43	
29			-	Y				
30			-	Y				
31			-	Y				
<b>TOTALS</b>			5,025		10,218.20			4.95

**BLUE RIDGE LANDFILL  
COVER REPORT**

Month: Mar-14

Date	Map Grid Location	Number of Loads used for cover	Cubic Yards of Cover	ADC USED (Y or N)	Gate Tons Received	Bottom Waste Elevation	WEATHER CONDITIO N	RAINFALL AMOUNT
1			-	Y				
2			-	Y				
3			-	Y				
4	N-10	10	250	Y	443.88	795	Rain,34	3.30
5	N-10	7	175	Y	621.54	795	Cloudy, 46	
6	N-10	14	350	Y	437.67	795	Sunny, 50	
7	O-9		-	Y	468.30	795	Sunny, 61	
8	O-9	11	275	Y	186.19	795	Sunny, 64	
9			-	Y	-			
10	O-9	10	250	Y	637.67	795	Sunny, 68	
11	O-9	19	475	Y	586.02	795	Sunny, 77	
12	N-9	14	350	Y	627.09	795	Rain, 62	0.50
13	N-9	12	300	Y	576.24	795	Sunny, 40	
14	N-9	20	500	Y	545.88	795	Sunny, 64	
15			-	Y	-			
16			-	Y	-			
17	S-9	21	525	Y	528.07	810	Rain, 35	0.75
18	S-9	19	475	Y	644.17	810	Sunny, 58	
19	S-9		-	Y	468.44	810	Sunny, 63	
20	S-9	8	200	Y	700.10	810	Sunny, 57	
21	S-9	13	325	Y	607.32	810	Sunny, 71	
22	S-9	24	600	Y	73.05	810	Sunny, 64	
23			-	Y	-			
24	R-8		-	Y	1,212.76	810	Sunny, 46	
25	R-8		-	Y	1,008.95	810	Rain, 35	0.25
26	R-8	10	250	Y	497.39	810	Sunny, 42	
27	R-8	27	675	Y	813.15	810	Sunny, 63	
28	S-8	7	175	Y	867.28	810	Rain, 68	0.20
29	R-7	10	250	Y	327.08	810	Rain, 57	2.50
30			-	Y	-			
31	R-7	21	525	Y	1,260.88	810	Sunny, 68	
TOTALS			6,925		14,139.12			7.50

**ADVANCED DISPOSAL SERVICES  
EXPLOSIVE GAS MONITORING REPORT**

**FACILITY:** Blue Ridge Landfill  
**WEATHER CONDITIONS:** ~50 degrees  
**RELATIVE HUMIDITY:** 47%  
**PRECIPITATION IN LAST 24-HR:** None  
**GAS INSTRUMENT TYPE:** Landtec  
**DATE LAST CALIBRATED:** 2/13/14

**TESTED BY:** K. Johnson  
**DATE:** 2/17/14  
**BAROMETRIC PRESSURE:** 29.93 in  
**WIND:** S 10 mph  
**MODEL:** GEM 2000  
**CALIBRATION GAS:** Methane

Gas Probe Location	Time	% LEL	% Gas	Threshold	Threshold Exceeded
GMP-3	14:55	0	0	100% LEL	No
GMP-9	14:45	0	0	100% LEL	No
GMP-10	14:50	0	0	100% LEL	No
GMP-111	15:25	0	0	100% LEL	No
GMP-113	14:30	0	0	100% LEL	No
GMP-114	14:35	0	0	100% LEL	No
GMP-115	14:40	0	0	100% LEL	No

Building Location	Time	Meter Working Properly
Scale House	15:00	Yes
Maintenance Bldg 1	15:10	Yes
Maintenance Bldg 2	15:15	Yes



March 10, 2014

B. F. Williams II  
Irvine Municipal Utilities  
238 Broadway  
Irvine, KY 40336

RE: Advanced Disposal Services Blue Ridge Landfill, Inc.  
February 2014 Industrial User Self Monitoring Report  
Permit # 2008-IU-01

Dear Mr. Williams:

The February 2014 wastewater discharge sampling has been completed for the Advanced Disposal Services Blue Ridge landfill site in Irvine, Kentucky. Please find the industrial user self monitoring report for the Blue Ridge landfill site attached. As required, this report is accompanied by a copy of the laboratory analytical sheets and a copy of the chain of custody.

If you have any questions or require additional information, please contact me at (606) 723-5559.

Sincerely,  
BLUE RIDGE LANDFILL, INC.

A handwritten signature in cursive script that reads "Billy P. Bowles".

Billy Bowles  
Landfill Operations Manager

Irvine Municipal Utilities Industrial Pretreatment Program  
Summary of Laboratory Analysis

Advanced Disposal Services Blue Ridge Landfill, Inc  
Report Generated 3/11/2014

Sample Date	Effluent Limitations													Wastewater Flow (in gpd)
	Arsenic (lb/d)	Cadmium (mg/l)	Chromium (mg/l)	Copper (mg/l)	Cyanide (mg/l)	Lead (mg/l)	Mercury (mg/l)	Nickel (mg/l)	Selenium (mg/l)	Silver (mg/l)	Zinc (mg/l)	Naphtha (mg/L)	pH (SU)	
17-Feb-14	0.558	0.0269	12.6	0.5883	0.8942	0.4541	0.0106	0.3297	0.0659	0.2046	1.2808	131.724	5.0 to 9.0	7,864
	0.0094												7.75	

Sample Date	Surcharge Limitations					Surcharge Calculation									
	NH <sub>3</sub> -N (mg/l)	BOD <sub>5</sub> (mg/l)	COD (mg/l)	TSS (mg/l)	O & G (mg/l)	NH <sub>3</sub> -N excess loading	BOD <sub>5</sub> excess loading	COD excess loading	TSS excess loading	O & G excess loading	NH <sub>3</sub> -N (per lb)	BOD <sub>5</sub> (per lb)	COD (per lb)	TSS (per lb)	O & G (per lb)
17-Feb-14	30	275	300	275	100	pounds per day	pounds per day	pounds per day	pounds per day	pounds per day	\$2.71	\$0.79	\$0.79	\$0.79	0.49
	857		1250			54.24	0.00	62.31	0.00	0.00	146.99	-	49.22	-	-
						0.00	0.00	0.00	0.00	0.00	-	-	-	-	-
						0.00	0.00	0.00	0.00	0.00	-	-	-	-	-

Technical Review Criteria (TRC) violations are noted with 'XX' - violations less than TRC are noted with 'X'.

Input laboratory results that are below a given detection limit as half the detection limit.

**Total Surcharge Assigned This Period \$196.21**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based upon my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (signed)

*Billy P. Bowles*



Pace Analytical Services, Inc.  
1241 Bellevue Street - Suite 9  
Green Bay, WI 54302  
(920)469-2436

February 26, 2014

Dan Fleshour  
Advanced Disposal Blue Ridge Landfill, LLC  
2700 Winchester Rd  
Irvine, KY 40336

RE: Project: BLUE RIDGE LEACHATE 02/14  
Pace Project No.: 4092255

Dear Dan Fleshour:

Enclosed are the analytical results for sample(s) received by the laboratory on February 18, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Cindy Varga  
cindy.varga@pacelabs.com  
Project Manager

Enclosures

cc: Kari Wallover, Cornerstone Environmental Group, LLC



### REPORT OF LABORATORY ANALYSIS

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**Pace Analytical Services, Inc.**  
1241 Bellevue Street - Suite 9  
Green Bay, WI 54302  
(920)469-2436

### CERTIFICATIONS

Project: BLUE RIDGE LEACHATE 02/14  
Pace Project No.: 4092255

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#### Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302  
Florida/NELAP Certification #: E87948  
Illinois Certification #: 200050  
Kentucky Certification #: 82  
Louisiana Certification #: 04168  
Minnesota Certification #: 055-999-334

New York Certification #: 11888  
North Dakota Certification #: R-150  
South Carolina Certification #: 83006001  
US Dept of Agriculture #: S-76505  
Wisconsin Certification #: 405132750

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### REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.  
1241 Bellevue Street - Suite 9  
Green Bay, WI 54302  
(920)469-2436

### SAMPLE SUMMARY

Project: BLUE RIDGE LEACHATE 02/14  
Pace Project No.: 4092255

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4092255001	LEACHATE	Water	02/17/14 13:55	02/18/14 10:10

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: BLUE RIDGE LEACHATE 02/14  
Pace Project No.: 4092255

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4092255001	LEACHATE	EPA 6010	DLB	1
			CKV	3
		EPA 350.1	HMB	1
		EPA 410.4	TJJ	1

### REPORT OF LABORATORY ANALYSIS

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**ANALYTICAL RESULTS**

Project: BLUE RIDGE LEACHATE 02/14  
 Pace Project No.: 4092255

Sample: LEACHATE		Lab ID: 4092255001	Collected: 02/17/14 13:55	Received: 02/18/14 10:10	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010 MET ICP</b>		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	144	ug/L	20.0	1	02/20/14 08:37	02/25/14 12:04	7440-38-2	
<b>Field Data</b>		Analytical Method:						
Field pH	7.75	Std. Units		1		02/17/14 13:55		
Field Specific Conductance	13920	umhos/cm		1		02/17/14 13:55		
Temperature, Water (C)	19.32	deg C		1		02/17/14 13:55		
<b>350.1 Ammonia, Distilled</b>		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	857	mg/L	30.0	1	02/24/14 12:03	02/24/14 13:31	7664-41-7	
<b>410.4 COD</b>		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	1250	mg/L	1000	1	02/21/14 09:11	02/21/14 12:24		

**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: BLUE RIDGE LEACHATE 02/14  
 Pace Project No.: 4092255

QC Batch: MPRP/9857 Analysis Method: EPA 6010  
 QC Batch Method: EPA 3010 Analysis Description: 6010 MET  
 Associated Lab Samples: 4092255001

METHOD BLANK: 933079 Matrix: Water  
 Associated Lab Samples: 4092255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<20.0	20.0	02/25/14 11:07	

LABORATORY CONTROL SAMPLE: 933080

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	501	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 933081 933082

Parameter	Units	4092300005		933082		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Arsenic	ug/L	<10.0	500	500	504	507	100	101	75-125	1	20

**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: BLUE RIDGE LEACHATE 02/14  
 Pace Project No.: 4092255

QC Batch: WETA/21941 Analysis Method: EPA 350.1  
 QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia, Distilled  
 Associated Lab Samples: 4092255001

METHOD BLANK: 933421 Matrix: Water  
 Associated Lab Samples: 4092255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.50	0.50	02/24/14 13:12	

LABORATORY CONTROL SAMPLE: 933422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	10	10.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 933423 933424

Parameter	Units	4092344001		MSD		MS		MSD		% Rec Limits	Max		Qual
		Result	MS Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	RPD		RPD		
Nitrogen, Ammonia	mg/L	5.0	60	60	57.6	50.0	88	75	90-110	14	20	M0	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 933425 933426

Parameter	Units	4092300004		MSD		MS		MSD		% Rec Limits	Max		Qual
		Result	MS Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	RPD		RPD		
Nitrogen, Ammonia	mg/L	3.0	10	10	8.9	12.1	59	92	90-110	31	20	M0,R1	

**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: BLUE RIDGE LEACHATE 02/14  
 Pace Project No.: 4092255

QC Batch: WETA/21945 Analysis Method: EPA 410.4  
 QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD  
 Associated Lab Samples: 4092255001

METHOD BLANK: 933588 Matrix: Water  
 Associated Lab Samples: 4092255001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<50.0	50.0	02/21/14 12:22	

LABORATORY CONTROL SAMPLE: 933589

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	497	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 933590 933591

Parameter	Units	4092210005		MSD		MS		MSD		% Rec Limits	Max		Qual
		Result	MS Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	RPD		RPD		
Chemical Oxygen Demand	mg/L	269	526	526	772	760	96	93	90-110	2	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 933592 933593

Parameter	Units	4092257001		MSD		MS		MSD		% Rec Limits	Max		Qual
		Result	MS Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	RPD		RPD		
Chemical Oxygen Demand	mg/L	75.1	526	526	585	571	97	94	90-110	2	10		

**REPORT OF LABORATORY ANALYSIS**

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## QUALIFIERS

Project: BLUE RIDGE LEACHATE 02/14  
Pace Project No.: 4092255

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

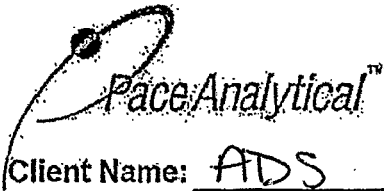
Project: BLUE RIDGE LEACHATE 02/14  
Pace Project No.: 4092255

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4092255001	LEACHATE	EPA 3010	MPRP/9857	EPA 6010	ICP/8671
4092255001	LEACHATE		PM/		
4092255001	LEACHATE	EPA 350.1	WETA/21941	EPA 350.1	WETA/21959
4092255001	LEACHATE	EPA 410.4	WETA/21945	EPA 410.4	WETA/21949

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Sample Condition Upon Receipt

Pace Analytical Services, Inc.  
1241 Bellevue Street, Suite 9  
Green Bay, WI 54302

Project #:

WO#: 4092255



Client Name: ADS

Courier:  Fed Ex  UPS  Client  Pace Other: \_\_\_\_\_

Tracking #: 801788425570

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Custody Seal on Samples Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used SR-25 Type of Ice:  Wet  Blue  Dry  None  Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 0.5 / Corr: 0.5 Biological Tissue is Frozen:  yes

Temp Blank Present:  yes  no  no

Person examining contents:  
Date: 2/18/14  
Initials: WV

Temp should be above freezing to 6°C for all sample except Biota.  
Frozen Biota Samples should be received ≤ 0°C.

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> ≤ 2; NaOH+ZnAct ≥ 9, NaOH ≥ 12)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Initial when completed	<u>WV</u>	Lab Std #/ID of preservative <u>402453</u> Date/Time: <u>1050 2/18/14</u>
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ If checked, see attached form for additional comments

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

Project Manager Review: [Signature]

Date: 2/18/14