



A1 998
~~20~~ OP CMR

July 11, 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.
Second 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 Second Quarter Report for 2014. This report contains the following:

- (a) Second Quarter 2014 construction activities:
 - No Construction was performed at Blue Ridge Landfill during the Second Quarter 2014
- (b) Monthly volume of waste received from each source:
 - The volume of waste received in the Second Quarter of 2014 is included on DEP Form 7046.
- (c) Description of compliance with coverage requirements:
 - Blue Ridge Landfill utilized approximately 16,875 cubic yards of soil for daily and intermediate cover during the Second Quarter of 2014. The Cover Summary 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 April 10, 2014. The report for the Second Quarter of 2014 was submitted to the Division of Waste Management on June 9, 2014.



- Groundwater sampling was performed on April 10, 2014. The Groundwater Monitoring Report was submitted to the Division of Waste Management on June 9, 2014.
 - Methane Monitoring was performed on April 10, 2014. The results of the methane monitoring for the Second 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 2,434,018, gallons of leachate were disposed during the Second 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 Second 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 Second Quarter of 2014.

The site is currently filling in Phase 9 using a Caterpillar 826H 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,

A handwritten signature in cursive script that reads 'Billy P. Bowles', written over a horizontal line.

Billy Bowles

Site Manager

Blue Ridge Landfill



SECOND QUARTER 2014 REPORT

ADVANCED DISPOSAL BLUE RIDGE LANDFILL, INC
Estill County

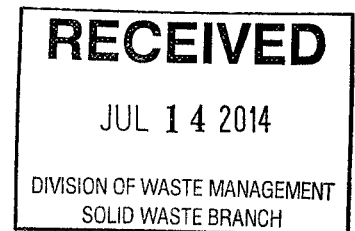
Permit/Registration No.: SW033-00004

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

7/10/2014
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.

**BLUE RIDGE LANDFILL
COVER REPORT**

Month: Apr-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 CONDTIO N	RAINFALL AMOUNT
1	R-7		-	Y	865.00	810	Sunny, 82	
2	R-7	10	250	Y	634.80	810	Sunny, 82	
3	R-7	16	400	Y	712.91	810	Sunny, 82	
4	R-7	26	650	Y	535.30	810	Raining, 67	2.25
5			-	Y	-			
6			-	Y	-			
7	Q-7	24	600	Y	598.94	810	Raining, 68	0.50
8	Q-7	11	275	Y	544.73	810	Raining, 64	0.10
9	Q-7	17	425	Y	512.50	810	Raining, 63	0.25
10	Q-7	18	450	Y	698.96	810	Sunny, 76	
11	Q-8	16	400	Y	634.42	810	Sunny, 75	
12			-	Y	-			
13			-	Y	-			
14	R-8	19	475	Y	550.29	810	Cloudy, 73	
15	R-8	14	350	Y	515.73	810	Raining, 63	0.50
16	R-8	8	200	Y	634.94	810	Raining, 55	0.50
17	R-8	14	350	Y	483.27	810	Sunny, 72	
18	R-8	32	800	Y	596.99	810	Sunny, 71	
19			-	Y	-			
20			-	Y	-			
21	S-9	10	250	Y	761.00	810	Sunny, 80	
22	S-9	9	225	Y	831.29	810	Raining, 75	0.25
23	S-9		-	Y	526.43	810	Sunny, 64	
24	S-9	8	200	Y	525.19	810	Sunny, 75	
25	S-9		-	Y	520.56	810	Raining, 66	0.25
26			-	Y	-			
27			-	Y	-			
28	S-10	10	250	Y	623.08	810	Raining, 73	0.30
29	S-10	13	325	Y	869.17	810	Raining, 81	1.75
30	S-10	2	50	Y	816.56	810	Raining, 59	3.00
31			-	Y				
TOTALS			6,925		13,992.06			9.65

**BLUE RIDGE LANDFILL
COVER REPORT**

Month: May-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	S-10	19	475	Y	669.60	810	Raining, 62	1.50
2	S-10		-	Y	645.70	810	Sunny, 65	
3			-	Y	-			
4			-	Y	-			
5	R-10		-	Y	695.87	810	Sunny, 86	
6	R-10		-	Y	696.25	810	Sunny, 85	
7	R-10		-	Y	660.85	810	Sunny, 86	
8	R-10		-	Y	569.29	810	Sunny, 86	
9	R-10	11	275	Y	557.31	810	Sunny, 78	
10			-	Y	-			
11			-	Y	-			
12	R-10	4	100	Y	1,871.00	810	Raining, 86	0.75
13	S-10	15	375	Y	1,999.20	810	Sunny, 87	
14	S-10		-	Y	1,688.89	810	Sunny, 84	
15	S-7		-	Y	609.88	810	Raining, 69	0.25
16	S-7	14	350	Y	535.80	810	Raining, 59	0.75
17			-	Y	-			
18			-	Y	-			
19	S-7	17	425	Y	672.31	810	Sunny, 72	
20	S-7	13	325	Y	550.46	810	Sunny, 82	
21	S-7	23	575	Y	559.17	810	Sunny, 81	
22	S-7		-	Y	622.35	810	Raining, 83	1.50
23	S-7	19	475	Y	679.83	810	Sunny, 76	
24			-	Y	-			
25			-	Y	-			
26			-	Y	-			
27	R-7		-	Y	723.64	810	Sunny, 84	
28	R-7	15	375	Y	715.26	810	Sunny, 86	
29	R-7	10	250	Y	792.49	810	Raining, 86	0.25
30	S-7	36	900	Y	624.06	810	Sunny, 84	
31	S-7		-	Y	203.01	810	Sunny, 83	
TOTALS			4,900		17,342.22			5.00

**BLUE RIDGE LANDFILL
COVER REPORT**

Month: Jun-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</u>	<u>RAINFALL AMOUNT</u>
1			-	Y				
2	S-7	35	875	Y	724.26	810	Sunny, 84	
3	R-6	41	1,025	Y	598.21	810	Raining, 84	0.25
4	R-6	10	250	Y	640.40	810	Sunny, 83	
5	R-6	3	75	Y	581.72	810	Raining, 72	1.50
6	R-6		-	Y	681.45	810	Sunny, 80	
7			-	Y	-			
8			-	Y	-			
9	R-6		-	Y	697.92	810	Sunny, 73	
10	R-6		-	Y	613.98	810	Sunny, 85	
11	S-6		-	Y	651.13	810	Raining, 79	0.75
12	S-6		-	Y	521.93	810	Raining, 81	1.50
13	S-6		-	Y	643.68	810	Raining, 80	0.25
14			-	Y	-			
15			-	Y	-			
16	Q-8	10	250	Y	763.16	810	Sunny, 90	
17	Q-8	21	525	Y	653.75	810	Sunny, 91	
18	Q-8	8	200	Y	527.74	810	Sunny, 91	
19	Q-8	16	400	Y	507.88	810	Sunny, 91	
20	Q-7	12	300	Y	428.08	810	Sunny, 86	
21			-	Y	-			
22			-	Y	-			
23	Q-7	10	250	Y	412.48	810	Sunny, 90	
24	Q-7	8	200	Y	685.54	810	Sunny, 85	
25	P-8		-	Y	727.80	810	Raining, 83	0.75
26	P-8	6	150	Y	664.11	810	Sunny, 85	
27	P-8		-	Y	638.26	810	Sunny, 85	
28			-	Y	-			
29			-	Y	-			
30	P-8	22	550	Y	864.12	810	Sunny, 84	
31			-	Y				
TOTALS			5,050		13,227.60			5.00

**ADVANCED DISPOSAL SERVICES
EXPLOSIVE GAS MONITORING REPORT**

FACILITY: Blue Ridge Landfill
WEATHER CONDITIONS: ~70 degrees
RELATIVE HUMIDITY: 30%
PRECIPITATION IN LAST 24-HR: None
GAS INSTRUMENT TYPE: Landtec
DATE LAST CALIBRATED: 4/10/14

TESTED BY: K. Johnson
DATE: 4/10/14
BAROMETRIC PRESSURE: 30.09 in
WIND: S 12 mph
MODEL: GEM 2000
CALIBRATION GAS: Methane

Gas Probe Location	Time	% LEL	% Gas	Threshold	Threshold Exceeded
GMP-3	14:45	0	0	100% LEL	No
GMP-9	14:14	0	0	100% LEL	No
GMP-10	14:10	0	0	100% LEL	No
GMP-111	14:38	0	0	100% LEL	No
GMP-113	13:56	0	0	100% LEL	No
GMP-114	14:55	0	0	100% LEL	No
GMP-115	14:59	0	0	100% LEL	No

Building Location	Time	Meter Working Properly
Scale House	15:10	Yes
Maintenance Bldg 1	15:16	Yes
Maintenance Bldg 2	15:20	Yes



June 13, 2014

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

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

Dear Mr. Williams:

The May 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.

Billy Bowles
Landfill Operations Manager

Irvine Municipal Utilities Industrial Pretreatment Program
 Summary of Laboratory Analysis

Advanced Disposal Services Blue Ridge Landfill, Inc
 Report Generated 6/17/2014

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)	
	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	
13-May-14	0.0609												7.70	55,282

Sample Date	Surcharge Limitations					Surcharge Calculation									
	NH ₃ -N (mg/l)	BOD ₅ (mg/l)	COD (mg/l)	TSS (mg/l)	O & G (mg/l)	NH ₃ -N excess loading	BOD ₅ excess loading	COD excess loading	TSS excess loading	O & G excess loading	NH ₃ -N (per lb)	BOD ₅ (per lb)	COD (per lb)	TSS (per lb)	O & G (per lb)
	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
13-May-14	1080		2110			484.10	0.00	834.50	0.00	0.00	1,311.92	-	659.26	-	-
						0.00	0.00	0.00	0.00	0.00	-	-	-	-	-
						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 \$1,971.18

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)

Kelly P. Rowles

May 28, 2014

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

RE: Project: BLUE RIDGE LEACHATE MAY 2014
Pace Project No.: 4096300

Dear Dan Fleshour:

Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 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

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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

CERTIFICATIONS

Project: BLUE RIDGE LEACHATE MAY 2014

Pace Project No.: 4096300

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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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: BLUE RIDGE LEACHATE MAY 2014
Pace Project No.: 4096300

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4096300001	LEACHATE	Water	05/13/14 11:55	05/14/14 09:40

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: BLUE RIDGE LEACHATE MAY 2014
Pace Project No.: 4096300

Lab ID	Sample ID	Method	Analysts	Analytes Reported
4096300001	LEACHATE	EPA 6010	MMZ	1
			MAT	3
		EPA 350.1	HMB	1
		EPA 410.4	TJJ	1

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ANALYTICAL RESULTS

Project: BLUE RIDGE LEACHATE MAY 2014

Pace Project No.: 4096300

Sample: LEACHATE		Lab ID: 4096300001	Collected: 05/13/14 11:55	Received: 05/14/14 09:40	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP		Analytical Method: EPA 6010 Preparation Method: EPA 3010						
Arsenic	132	ug/L	20.0	1	05/20/14 09:31	05/21/14 13:29	7440-38-2	
Field Data		Analytical Method:						
Field pH	7.70	Std. Units		1		05/13/14 11:55		
Field Specific Conductance	16390	umhos/cm		1		05/13/14 11:55		
Temperature, Water (C)	29.11	deg C		1		05/13/14 11:55		
350.1 Ammonia, Distilled		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	1080	mg/L	30.0	1	05/23/14 18:39	05/23/14 21:12	7664-41-7	P4
410.4 COD		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	2110	mg/L	1000	1	05/19/14 08:39	05/19/14 12:31		

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QUALITY CONTROL DATA

Project: BLUE RIDGE LEACHATE MAY 2014
Pace Project No.: 4096300

QC Batch: MPRP/10250	Analysis Method: EPA 6010
QC Batch Method: EPA 3010	Analysis Description: 6010 MET
Associated Lab Samples: 4096300001	

METHOD BLANK: 975432 Matrix: Water
Associated Lab Samples: 4096300001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<20.0	20.0	05/21/14 14:19	

LABORATORY CONTROL SAMPLE: 975433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	499	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 975434 975435

Parameter	Units	4096535016		MS		MSD		% Rec Limits	Max RPD	Qual	
		Result	Conc.	Spike Conc.	Result	Result	% Rec				% Rec
Arsenic	ug/L	<20.0	500	500	500	494	99	98	75-125	1	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BLUE RIDGE LEACHATE MAY 2014
Pace Project No.: 4096300

QC Batch: WETA/23316 Analysis Method: EPA 350.1
QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia, Distilled
Associated Lab Samples: 4096300001

METHOD BLANK: 978097 Matrix: Water
Associated Lab Samples: 4096300001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.50	0.50	05/23/14 20:59	

LABORATORY CONTROL SAMPLE: 978098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	10	11.0	110	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 978099 978100

Parameter	Units	4096573001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Nitrogen, Ammonia	mg/L	14.0	60	60	79.7	76.8	110	105	90-110	4	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 978101 978102

Parameter	Units	4096586001 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
			Spike Conc.	Spike Conc.								
Nitrogen, Ammonia	mg/L	<0.25	10	10	7.8	8.5	77	84	90-110	9	20	M0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: BLUE RIDGE LEACHATE MAY 2014
Pace Project No.: 4096300

QC Batch: WETA/23178 Analysis Method: EPA 410.4
QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD
Associated Lab Samples: 4096300001

METHOD BLANK: 972761 Matrix: Water
Associated Lab Samples: 4096300001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<50.0	50.0	05/19/14 12:28	

LABORATORY CONTROL SAMPLE: 972762

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	506	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 972763 972764

Parameter	Units	4096262001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Chemical Oxygen Demand	mg/L	<12.2	526	526	540	530	101	99	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 972765 972766

Parameter	Units	4096270002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
										RPD	RPD	
Chemical Oxygen Demand	mg/L	72.7	526	526	588	590	98	98	90-110	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: BLUE RIDGE LEACHATE MAY 2014
Pace Project No.: 4096300

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.

P4 Sample field preservation does not meet EPA or method recommendations for this analysis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BLUE RIDGE LEACHATE MAY 2014

Pace Project No.: 4096300

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
4096300001	LEACHATE	EPA 3010	MPRP/10250	EPA 6010	ICP/9041
4096300001	LEACHATE		PM/		
4096300001	LEACHATE	EPA 350.1	WETA/23316	EPA 350.1	WETA/23330
4096300001	LEACHATE	EPA 410.4	WETA/23178	EPA 410.4	WETA/23234

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	Page: 1 of 1
Company: Advanced Disposal - Blue Ridge	Report To: Dan Fleshour	Attention: Dan Fleshour	<div style="font-size: 2em; font-weight: bold;">4096300</div> <div style="border: 1px solid black; padding: 5px;"> REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER _____ </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> SITE LOCATION <input type="checkbox"/> GA <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC <input type="checkbox"/> OH <input type="checkbox"/> SC <input type="checkbox"/> WI <input checked="" type="checkbox"/> OTHER <u>KY</u> </div>
Address: 2700 Winchester Rd.	Copy To: Kari Wallover (kwallover@cornerstoneeg)	Company Name: Advanced Disposal	
Irvine, KY 40336		Address: 2700 Winchester Rd., Irvine, KY, 40336	
Email To: Dan.Fleshour@advanceddisposal.com	Purchase Order No.:	Pace Quote Reference:	
Phone: (513) 985-8067 Fax:	Project Name: Leachate	Pace Project Manager: Cindy Varga	
Requested Due Date/TAT: Standard TAT	Project Number:	Pace Profile #:	

ITEM #	Section D Required Client Information		MATRIX CODE	SAMPLE TYPE G-GRAB C-COMP	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives								Filtered (Y/N)	Requested Analytes	Pace Project Number Lab I.D.						
	SAMPLE ID				COMPOSITE START		COMPOSITE END/GRAB				Unpreserved	H ₂ SO ₄	HNO ₃	HCl	NaOH	Na ₂ S ₂ O ₃	Methanol	Other				Total Arsenic	Ammonia, COD	pH	Temp (Deg C)	Conductivity (µS)	Residual Chlorine (Y/N)
	One Character per box. (A-Z, 0-9 / -)				DATE	TIME	DATE	TIME																			
	Samples IDs MUST BE UNIQUE																										
1	Leachate	001	WW	G			5/13	1753	27.11	2		1	1								X	X	7.70/27.1/146.370	N	1-255mDPBC		
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											

Additional Comments:	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS		
	<i>[Signature]</i>	5/13	1730				Y/N	Y/N	Y/N
	<i>[Signature]</i>	5/14/14	940	<i>[Signature]</i>	5/14/14	940	4.3	Y/N	Y/N
							Y/N	Y/N	Y/N
							Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE		Temp. in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
PRINT Name of SAMPLER: <i>Keith Johnson</i>					
SIGNATURE OF SAMPLER: <i>[Signature]</i>	DATE Signed (MM/DD/YY): <i>05/13/14</i>				

Sample Condition Upon Receipt



Client Name: Advanced Disposal - Blue ridge

Project #: _____

WO#: **4096300**



Courier: Fed Ex UPS Client Pace Other: _____

Tracking #: 1Z 90E 6E3 23 1000 0109, 1290EGF3

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 SK-51 Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 4.3 ICorr: 4.3 Biological Tissue is Frozen: yes no

Temp Blank Present: yes no no

Person examining comments:
Date: 5/14/14
Initials: SB

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. Acid dissolved most of labels
-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. <input checked="" type="checkbox"/> HNO3 <input checked="" type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> NaOH + ZnAct both pH = 7 added 3.72ml acid pH = ~4
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤ 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 checked="" type="checkbox"/> No	Initial when completed: <u>SB</u> Lab Std #/ID of preservative: <u>402453</u> Date/Time: <u>5/14/14 1100</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: CCW

Date: 5/14/14