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3Q OP

October 13, 2014

Ms. Robin Green  
Division of Waste Management  
200 Fair Oaks Drive  
Frankfort, Kentucky 40601

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



Dear Ms. Green:

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

- (a) Third Quarter 2014 construction activities:
  - No Construction was performed at Blue Ridge Landfill during the Third Quarter 2014
- (b) Monthly volume of waste received from each source:
  - The volume of waste received in the Third Quarter of 2014 is included on DEP Form 7046.
- (c) Description of compliance with coverage requirements:
  - Blue Ridge Landfill utilized approximately 13,025 cubic yards of soil for daily and intermediate cover during the Third 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 July 8, 2014. The report for the Third Quarter of 2014 was submitted to the Division of Waste Management on September 5, 2014.



- Groundwater sampling was performed on July 8, 2014. The Groundwater Monitoring Report was submitted to the Division of Waste Management on September 5, 2014.
  - Methane Monitoring was performed on July 8, 2014. The results of the methane monitoring for the Third 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 1,398,112 gallons of leachate were disposed during the Third 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 Third 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 Third 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



THIRD 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

10/14/14  
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

THIRD QUARTER 2014

Waste Stream/ County	Tons Received	Tons of Binder Added (Sawdust)	Total Tons Landfilled
ESTILL	4.96	3.26	8.22
JESSAMINE	58.39	38.40	96.79
LINCOLN	0.19	0.12	0.31
MADISON	1,130.38	743.39	1,873.77
WASHINGTON	336.23	221.12	557.35
Quarter Total	1,530.15	1,006.30	2,536.45

**ADVANCED DISPOSAL SERVICES  
EXPLOSIVE GAS MONITORING REPORT**

**FACILITY:** Blue Ridge Landfill  
**WEATHER CONDITIONS:** Sunny, ~80 degrees  
**RELATIVE HUMIDITY:** 54%  
**PRECIPITATION IN LAST 24-HR:** None  
**GAS INSTRUMENT TYPE:** Landtec  
**DATE LAST CALIBRATED:** 4/10/14

**TESTED BY:** K. Johnson  
**DATE:** 7/8/14  
**BAROMETRIC PRESSURE:** 29.91 in  
**WIND:** SW 12 mph  
**MODEL:** GEM 2000  
**CALIBRATION GAS:** Methane

Gas Probe Location	Time	% LEL	% Gas	Threshold	Threshold Exceeded
GMP-3	15:24	0	0	100% LEL	No
GMP-9	15:20	0	0	100% LEL	No
GMP-10	14:18	0	0	100% LEL	No
GMP-111	16:02	0	0	100% LEL	No
GMP-113	15:52	0	0	100% LEL	No
GMP-114	15:55	0	0	100% LEL	No
GMP-115	14:50	0	0	100% LEL	No

Building Location	Time	Meter Working Properly
Scale House	16:15	Yes
Maintenance Bldg 1	16:06	Yes
Maintenance Bldg 2	16:10	Yes



September 15, 2014

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

RE: Advanced Disposal Services Blue Ridge Landfill, Inc.  
August 2014 Industrial User Self-Monitoring Report  
Permit # 2012-Veolia-01

Dear Mr. Williams:

The August 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.

An exceedance of nickel occurred during the previous July 2014 event and Irvine Municipal Utilities was notified of the exceedance on August 19, 2014. A repeat sample was collected from the site during the August 2014 sampling event and the nickel concentration of 0.277 mg/L was below the limit of 0.3297 mg/L; therefore, the exceedance was not confirmed.

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 9/16/2014

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)	
11-Aug-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	31,507
	0.0365							0.277					7.92	

Sample Date	Surcharge Limitations					Surcharge Calculation					O & G (per lb)			
	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 pounds per day	BOD <sub>5</sub> excess loading pounds per day	COD excess loading pounds per day	TSS excess loading pounds per day	O & G excess loading pounds per day		NH <sub>3</sub> -N (per lb)	BOD <sub>5</sub> (per lb)	COD (per lb)
11-Aug-14	30	275	300	275	100	205.48	0.00	630.64	0.00	0.00	\$2.71	\$0.79	\$0.79	\$0.79
	81.2		2700				0.00		0.00	0.00	556.86	-	498.21	-
						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**      \$1,055.07

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

August 28, 2014

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

RE: Project: BLUE RIDGE LEACHATE AUG 2014  
Pace Project No.: 40101387

Dear Dan Fleshour:

Enclosed are the analytical results for sample(s) received by the laboratory on August 12, 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.

Revised report is due to nickel being added by client.

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 AUG 2014  
Pace Project No.: 40101387

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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  
Texas Certification #: T104704529-14-1  
US Dept of Agriculture #: S-76505  
Wisconsin Certification #: 405132750

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### SAMPLE SUMMARY

Project: BLUE RIDGE LEACHATE AUG 2014  
Pace Project No.: 40101387

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40101387001	LEACHATE	Water	08/11/14 15:40	08/12/14 10:20

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### SAMPLE ANALYTE COUNT

Project: BLUE RIDGE LEACHATE AUG 2014  
Pace Project No.: 40101387

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Lab ID	Sample ID	Method	Analysts	Analytes Reported
40101387001	LEACHATE	EPA 6010	DLB	2
			MAT	3
		EPA 350.1	DAW	1
		EPA 410.4	TMK	1

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**ANALYTICAL RESULTS**

Project: BLUE RIDGE LEACHATE AUG 2014  
 Pace Project No.: 40101387

Sample: LEACHATE		Lab ID: 40101387001	Collected: 08/11/14 15:40	Received: 08/12/14 10:20	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	139	ug/L	20.0	1	08/14/14 09:57	08/14/14 17:05	7440-38-2	
Nickel	277	ug/L	10.0	1	08/14/14 09:57	08/14/14 17:05	7440-02-0	
<b>Field Data</b>		Analytical Method:						
Field pH	7.92	Std. Units		1		08/11/14 15:40		
Field Specific Conductance	9441	umhos/cm		1		08/11/14 15:40		
Temperature, Water (C)	29.43	deg C		1		08/11/14 15:40		
<b>350.1 Ammonia, Distilled</b>		Analytical Method: EPA 350.1 Preparation Method: EPA 350.1						
Nitrogen, Ammonia	812	mg/L	30.0	10	08/18/14 11:50	08/18/14 13:57	7664-41-7	
<b>410.4 COD</b>		Analytical Method: EPA 410.4 Preparation Method: EPA 410.4						
Chemical Oxygen Demand	2700	mg/L	1000	1	08/14/14 09:10	08/14/14 13:06		

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**QUALITY CONTROL DATA**

Project: BLUE RIDGE LEACHATE AUG 2014  
 Pace Project No.: 40101387

QC Batch: MPRP/10658 Analysis Method: EPA 6010  
 QC Batch Method: EPA 3010 Analysis Description: 6010 MET  
 Associated Lab Samples: 40101387001

METHOD BLANK: 1025188 Matrix: Water  
 Associated Lab Samples: 40101387001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	<20.0	20.0	08/14/14 16:36	
Nickel	ug/L	<10.0	10.0	08/14/14 16:36	

LABORATORY CONTROL SAMPLE: 1025189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	500	472	94	80-120	
Nickel	ug/L	500	520	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1025190 1025191

Parameter	Units	40101362001 Result	MS		MSD		MS		MSD		% Rec Limits	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Arsenic	ug/L	<6.8	500	500	477	487	95	97	75-125	2	20		
Nickel	ug/L	<1.3	500	500	513	518	102	103	75-125	1	20		

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**QUALITY CONTROL DATA**

Project: BLUE RIDGE LEACHATE AUG 2014  
 Pace Project No.: 40101387

QC Batch: WETA/24648 Analysis Method: EPA 350.1  
 QC Batch Method: EPA 350.1 Analysis Description: 350.1 Ammonia, Distilled  
 Associated Lab Samples: 40101387001

METHOD BLANK: 1027896 Matrix: Water  
 Associated Lab Samples: 40101387001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Ammonia	mg/L	<0.50	0.50	08/18/14 13:46	

LABORATORY CONTROL SAMPLE: 1027897

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Ammonia	mg/L	10	10.1	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1027898 1027899

Parameter	Units	40101455001 Result	MS		MSD		% Rec		% Rec Limits	Max RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec			
Nitrogen, Ammonia	mg/L	0.54	10	10	11.1	10.9	105	104	90-110	1	20

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**QUALITY CONTROL DATA**

Project: BLUE RIDGE LEACHATE AUG 2014  
 Pace Project No.: 40101387

QC Batch: WETA/24619 Analysis Method: EPA 410.4  
 QC Batch Method: EPA 410.4 Analysis Description: 410.4 COD  
 Associated Lab Samples: 40101387001

METHOD BLANK: 1025108 Matrix: Water  
 Associated Lab Samples: 40101387001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chemical Oxygen Demand	mg/L	<50.0	50.0	08/14/14 13:01	

LABORATORY CONTROL SAMPLE: 1025109

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chemical Oxygen Demand	mg/L	500	515	103	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1025110 1025111

Parameter	Units	40100962003 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
			Spike Conc.	Conc.	Result	Result				RPD	RPD	
Chemical Oxygen Demand	mg/L	70.3	526	526	564	568	94	95	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1025112 1025113

Parameter	Units	40101418001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	Max		Qual
			Spike Conc.	Conc.	Result	Result				RPD	RPD	
Chemical Oxygen Demand	mg/L	96.7	526	526	631	623	101	100	90-110	1	10	

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## QUALIFIERS

Project: BLUE RIDGE LEACHATE AUG 2014  
Pace Project No.: 40101387

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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.

PQL - Practical Quantitation 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.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BLUE RIDGE LEACHATE AUG 2014

Pace Project No.: 40101387

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40101387001	LEACHATE	EPA 3010	MPRP/10658	EPA 6010	ICP/9431
40101387001	LEACHATE		PM/		
40101387001	LEACHATE	EPA 350.1	WETA/24648	EPA 350.1	WETA/24658
40101387001	LEACHATE	EPA 410.4	WETA/24619	EPA 410.4	WETA/24627

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