



# PASCO COUNTY, FLORIDA

*"Bringing Opportunities Home"*

DADE CITY (352) 523-2411  
LAND O' LAKES (813) 996-2411  
NEW PORT RICHEY (727) 847-8902  
FAX (727) 847-8112

UTILITIES SERVICES BRANCH  
ENVIRONMENTAL LABORATORY  
8864 GOVERNMENT DR.  
NEW PORT RICHEY, FL 34654  
EMAIL: [cmulhern@pascocountyfl.net](mailto:cmulhern@pascocountyfl.net)

January 27, 2015

Mr. John Morris  
Waste Management Section  
Florida Department of  
Environmental Protection  
13051 N. Telecom Pkwy.  
Temple Terrace, FL 33637

RE: West Pasco Landfill  
Quarter IV, 2014  
Gas Monitoring

Dear Mr. Morris:

Enclosed please find the results of gas monitoring conducted at the West Pasco Landfill as required in the permit for this facility. The gas monitoring was conducted using a CES Landtec GEM2000 Gas Meter. Calibration of the instrument was conducted prior to field analysis using a 40% methane gas and 50% LEL methane gas. The meter was allowed to run for three minutes and the highest reading obtained was recorded. All wells recorded 0.00% LEL at this site.

This completes the Quarter IV, 2014 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern  
Laboratory Manager

cc: Robert J. Sigmoid, Utilities Fiscal Services/Special Projects Director  
John Power, Solid Waste Facility Manager



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## Pasco County Utilities Environmental Laboratory

8864 Government Drive  
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Phone: (727) 847-8902 Fax: (727) 847-8112  
Contacts: Gloria Krueger, Senior Secretary  
Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

### CLIENT/SAMPLE INFORMATION

Report Date: 1/27/2015

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Sample Number **AC20071**      Sample ID: 2MW1 @ RESREC  
Sample Method: Pumped      Sample Matrix: GAS  
Date Sampled: 12/18/2014      Date Received: 12/18/2014  
Time Sampled: 8:00      Time Received: 16:00  
Sampled By: WMM      Received By:  
Delivered By:

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:00	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:00	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	8:00	WMM	DRY	D	Feet	0

#### Analysis Comments:

I = Reported value is greater than or equal to the detection limit, but less than PQL.  
U = Indicates that the compound was analyzed for but not detected.  
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Candia E. Mulhern, Laboratory Director



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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20072</b>	Sample ID:	4MW1 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	8:05	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:05	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:05	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	8:05	WMM	16.11	D	Feet	0

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number **AC20073**      Sample ID: 2MW2 @ RESREC  
Sample Method: Pumped      Sample Matrix: GAS  
Date Sampled: 12/18/2014      Date Received: 12/18/2014  
Time Sampled: 8:15      Time Received: 16:00  
Sampled By: WMM      Received By:  
Delivered By:

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:15	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:15	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	8:15	WMM	22.64	D	Feet	0

Analysis Comments:

Candia E. Mulhern, Laboratory Director

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number **AC20074** Sample ID: 4MW2 @ RESREC  
Sample Method: Pumped Sample Matrix: GAS  
Date Sampled: 12/18/2014 Date Received: 12/18/2014  
Time Sampled: 8:20 Time Received: 16:00  
Sampled By: WMM Received By:  
Delivered By:

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:20	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:20	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	8:20	WMM	22.61	D	Feet	0

Analysis Comments:

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20075</b>	Sample ID:	2MW4 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	8:45	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:45	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:45	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	8:45	WMM	DRY	D	Feet	0

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20079</b>	Sample ID:	2MW6 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	8:25	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:25	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:25	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	8:25	WMM	24.99	D	Feet	0

Analysis Comments:

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number: **AC20080**      Sample ID: 4MW6 @ RESREC  
Sample Method: Pumped      Sample Matrix: GAS  
Date Sampled: 12/18/2014      Date Received: 12/18/2014  
Time Sampled: 8:30      Time Received: 16:00  
Sampled By: WMM      Received By:  
Delivered By:

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:30	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:30	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	8:30	WMM	24.99	D	Feet	0

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Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20081</b>	Sample ID:	4MW11D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	10:25	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	10:25	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	10:25	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	10:25	WMM	32.18	D	Feet	0

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20082</b>	Sample ID:	4MW12D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	10:20	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	10:20	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	10:20	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	10:20	WMM	24.37	D	Feet	0

Analysis Comments:

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20083</b>	Sample ID:	2MW13 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	10:15	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	10:15	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	10:15	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	10:15	WMM	DRY	D	Feet	0

Analysis Comments:

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20084</b>	Sample ID:	4MW13D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	10:10	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	10:10	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	10:10	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	10:10	WMM	24.21	D	Feet	0

#### Analysis Comments:

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Report Date: 1/27/2015

Sample Number **AC20085** Sample ID: 4MW14D @ RESREC  
Sample Method: Pumped Sample Matrix: GAS  
Date Sampled: 12/18/2014 Date Received: 12/18/2014  
Time Sampled: 10:05 Time Received: 16:00  
Sampled By: WMM Received By:  
Delivered By:

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	10:05	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	10:05	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	10:05	WMM	22.01	D	Feet	0

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number **AC20086**      Sample ID: 2MW15 @ RESREC  
Sample Method: Pumped      Sample Matrix: GAS  
Date Sampled: 12/18/2014      Date Received: 12/18/2014  
Time Sampled: 8:10      Time Received: 16:00  
Sampled By: WMM      Received By:  
Delivered By:

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:10	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:10	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	8:10	WMM	20.54	D	Feet	0

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number **AC20087** Sample ID: 2MW17S @ RESREC  
Sample Method: Pumped Sample Matrix: GAS  
Date Sampled: 12/18/2014 Date Received: 12/18/2014  
Time Sampled: 8:55 Time Received: 16:00  
Sampled By: WMM Received By:  
Delivered By:

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:55	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:55	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	8:55	WMM	19.97	D	Feet	0

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20088</b>	Sample ID:	2MW18D @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	9:05	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	9:05	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	9:05	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	9:05	WMM	25.11	D	Feet	0

Analysis Comments:

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20089</b>	Sample ID:	2MW19 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	9:15	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	9:15	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	9:15	WMM	0.0	D	% VOL	0
Water Level	DEP-SOP	12/18/2014	9:15	WMM	24.76	D	Feet	0

Analysis Comments:

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Contacts: Gloria Krueger, Senior Secretary  
Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20090</b>	Sample ID:	GMP1 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	9:00	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	9:00	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	9:00	WMM	0.0	D	% VOL	0

Analysis Comments:

I = Reported value is greater than or equal to the detection limit, but less than PQL.  
U = Indicates that the compound was analyzed for but not detected.  
XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

Candia E. Mulhern, Laboratory Director



# PASCO COUNTY, FLORIDA

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number: **AC20091**      Sample ID: GMP2 @ RESREC  
Sample Method: Pumped      Sample Matrix: GAS  
Date Sampled: 12/18/2014      Date Received: 12/18/2014  
Time Sampled: 9:20      Time Received: 16:00  
Sampled By: WMM      Received By:  
Delivered By:

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	9:20	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	9:20	WMM	0.0	D	% VOL	0

Analysis Comments:

Candia E. Mulhern, Laboratory Director

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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20092</b>	Sample ID:	GMP3 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	8:40	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:40	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:40	WMM	0.0	D	% VOL	0

#### Analysis Comments:

I = Reported value is greater than or equal to the detection limit, but less than PQL.  
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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number **AC20093**      Sample ID: **GMP4 @ RESREC**  
Sample Method: Pumped      Sample Matrix: GAS  
Date Sampled: 12/18/2014      Date Received: 12/18/2014  
Time Sampled: 9:25      Time Received: 16:00  
Sampled By: WMM      Received By:  
Delivered By:

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	9:25	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	9:25	WMM	0.0	D	% VOL	0

Analysis Comments:

I = Reported value is greater than or equal to the detection limit, but less than PQL.  
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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number: **AC20094**      Sample ID: GMP5 @ RESREC  
Sample Method: Pumped      Sample Matrix: GAS  
Date Sampled: 12/18/2014      Date Received: 12/18/2014  
Time Sampled: 9:10      Time Received: 16:44  
Sampled By: WMM      Received By:  
Delivered By:

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	9:10	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	9:10	WMM	0.0	D	% VOL	0

#### Analysis Comments:

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\_\_\_\_\_  
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### CLIENT/SAMPLE INFORMATION

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, FL  
John Power

Report Date: 1/27/2015

Sample Number	<b>AC20095</b>	Sample ID:	GMP6 @ RESREC
Sample Method:	Pumped	Sample Matrix:	GAS
Date Sampled:	12/18/2014	Date Received:	12/18/2014
Time Sampled:	8:35	Time Received:	16:00
Sampled By:	WMM	Received By:	
		Delivered By:	

### REPORT OF ANALYSES

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Limit	METER	12/18/2014	8:35	WMM	0.0	D	% LEL	0
Percent Volume Methane	METER	12/18/2014	8:35	WMM	0.0	D	% VOL	0

Analysis Comments:

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XC = Reported value exceeds the Maximum Contaminant Level (F.A.C. 62-550).

Candia E. Mulhern, Laboratory Director