

OKEECHOBEE LANDFILL, INC.

10800 N.E. 128th Avenue Okeechobee, FL 34973 (863) 357-0824 (863) 357-0772 Fax

RECEIVED

BUREAU OF AIR REGULATION

September 16, 2009

Mr. Jonathan Holtom Compliance Assurance Monitoring Florida Department of Environmental Protection 2600 Blair Stone Road, MS 5000 Tallahassee, Florida 32399-2400

Re:

Hydrogen Sulfide Test Program January through August 2009 Reports Berman Road Landfill

Dear Mr. Holtom:

Okeechobee Landfill, Inc. is providing the Florida Department of Environmental Protection (FDEP) with copies of the H2S sampling results for January through August 2009. All the attached reports have been sent to the Southeast District of FDEP on a monthly basis over the past few years. The Southeast District Staff has requested that these reports be sent to Tallahassee going forward. Sampling is currently performed monthly and used to determine the magnitude of a sulfur emissions fee as required by the Second Amended Order dated January 22, 2007.

Please contact me by phone 863-357-0824 or by email tbishop2@wm.com if you have any questions or comments.

Sincerely,

Tony Bishop District Manager

cc: Jim Christiansen, OLI

305 South Main Street Monroe, NC 281 12 704-283-9765 704-283-9755 fax

January 30, 2009

Mr. Seth Nunes, PE District Engineer Okeechobee Landfill, Inc. 10800 NE 128th Avenue Okeechobee, FL 34972

RE: Hydrogen Sulfide Sampling Results - January 2009

Berman Road Landfill - Okeechobee, FL

Facility ID No. 0930104

Dear Seth:

Per your request, Carlson Environmental Consultants, PC (CEC) is submitting to Okeechobee Landfill, Inc. (Okeechobee) this Hydrogen Sulfide Sampling Report for January 2009 for the Berman Road Landfill (Landfill) located near Okeechobee, Florida. Hydrogen sulfide sampling is required to be performed monthly by the Florida Department of Environmental Protection (FDEP) under the Second Amended Consent Order.

Mr. Jeff McNabb of CEC and Mr. Jason Johns of Okeechobee performed the hydrogen sulfide sampling on January 19, 2009. CEC notified FDEP of the H2S sampling in a letter dated December 31, 2008 and emailed to Mr. William Forrest (see attached).

Samples were collected in a 1-liter tedlar bag from an existing sampling port between the blowers and flare. CEC collected two (2) samples from Enclosed Flare 2 and two (2) samples from the Odor Control Flare. The LFG system appeared to be operating properly during sampling. CEC noted the LFG flows from the flow meters on each flare during sampling and the LFG quality was obtained from GEM 2000 monitoring.

The four samples were shipped to Air Technology Laboratories, Inc. on January 19, 2009 for analysis by US EPA Method 15/16 for Sulfur Compounds. Per Okeechobee instruction, CEC analyzed one sample from the Enclosed Flares (Flare 2) and one sample from the odor flare (Odor 1). The remaining two samples were retained as backups.

Air Technology analyzed the samples on January 20, 2009 and reported the results to CEC in a report dated January 27, 2009. The results (lab report attached to this letter) and the field sampling data CEC collected were as follows:

TABLE 1. HYDROGEN SULFIDE SAMPLING – LFG SYSTEM – JAN 2009

Sample Location	Enclosed Flare 2	Odor Flare
H2S Concentration (ppmv)	2,300	2,100
LFG Flow (scfm)	1832	652
Methane (%)	43.7	. 44.7
Carbon Dioxide (%)	34.5	30.8
Oxygen (%)	1.8	2.1
Balance Gas (%)	20.0	22.4

CEC appreciates the opportunity to provide engineering and environmental compliance services to Okeechobee Landfill, Inc. If you have any questions regarding this report, please feel free to contact me at (704) 506-7312.

Sincerely,

Kristofer L. Carlson, P.E.

Principal

Carlson Environmental Consultants, PC

cc: Tony Bishop, OLI

Jim Christiansen, WM Jason Johns, OLI

Jeff McNabb, CEC



January 27, 2009



Carlson Environmental ATTN: Kris Carlson 305 S. Main St. Monroe, NC 28112

LABORATORY TEST RESULTS

Project Reference: Okeechobee Landfill

Lab Number:

A9012001-01/04

Enclosed are results for sample(s) received 1/20/09 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.

Results were e-mailed to Kris Carlson on 1/27/09.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Operations Manager

MJohnson@AirTechLabs.com

Enclosures

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Page 2 of 3 A9012001

Client: Carlson Environmental Consultants

Attn:

Kris Carlson

Client's Project:

Okeechobee Landfill

Date Received: Matrix: 01/20/09 Air

Units:

ppmv

EPA 15/16	(Sulfur	Compounds	in	Air)	
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ANALYTE	PQL	RL	Results	RL	Results			
Hydrogen Sulfide	0.20	200	2,300	200	2,100			

PQL = Practical Quantitation Limit

ND = Not Detected (Below RL)

RL = Reporting Limit = PQL X Dilution Factor

Reviewed/Approved By:

Mark J. Johnson

Operations Manager

Date: 1/23/09

^{* =} Sample was received outside recommended holding-time.

QC Batch #:

090119GC3A1

Matrix:

Air

Units:

ppmv

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ANALYTE	PQL	RL	Results	%R	Criteria	%R	Criteria	RPD	Criteria
Hydrogen Sulfide	0.20	0.20	ND	125	70-130	123	70-130	1.5	<30

PQL = Practical Quantitation Limit

ND = Not Detected (Below RL).

RL = Reporting Limit = PQL X Dilution Factor

Date: 1/23/09 Reviewed/Approved By:

Operations Manager

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

December 31, 2008

Mr. William Forrest
Engineering Specialist III
Florida Department of Environmental Protection
Southeast District Office, Air Program
400 North Congress Street, Suite 200
West Palm Beach, Florida 33401

Subject:

Hydrogen Sulfide Gas Sampling Notification

Period: January 2009 Monthly Testing

Okeechobee Landfill, Inc. - Berman Road Landfill

Facility ID No. 0930104

Dear Mr. Forrest:

Per the request of Okeechobee Landfill, Inc. (OLI), Carlson Environmental Consultants, PC (CEC) is submitting this written notification to the Florida Department of Environmental Protection (FDEP) concerning upcoming hydrogen sulfide (H2S) gas sampling at the Berman Road Landfill located near Okeechobee, Florida. CEC will be assisting OLI with the collection of landfill gas samples for H2S analysis for compliance with the Second Amended Order. The sampling will be performed on Monday, January 19, 2009 at approximately 2:00 pm. All samples will be collected via Tedlar bags from the active LFG collection system and overnight shipped to Air Technology Laboratories for analysis.

Please feel free to contact the undersigned at (704) 506-7312 or Mr. Seth Nunes, PE of Okeechobee Landfill, Inc. at (863) 357-0111 if you have any questions concerning this upcoming testing event.

Sincerely,

Kristofer L. Carlson, PE

Principal

Carlson Environmental Consultants, PC

cc:

Tony Bishop, OLI Seth Nunes, PE Jim Christiansen, OLI

Jason Johns, OLI Jeff McNabb, CEC

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

February 22, 2009

Mr. Seth Nunes, PE District Engineer Okeechobee Landfill, Inc. 10800 NE 128th Avenue Okeechobee, FL 34972

RE:

Hydrogen Sulfide Sampling Results – February 2009 Berman Road Landfill – Okeechobee, FL

Facility ID No. 0930104

Dear Seth:

Per your request, Carlson Environmental Consultants, PC (CEC) is submitting to Okeechobee Landfill, Inc. (Okeechobee) this Hydrogen Sulfide Sampling Report for February 2009 for the Berman Road Landfill (Landfill) located near Okeechobee, Florida. Hydrogen sulfide sampling is required to be performed monthly by the Florida Department of Environmental Protection (FDEP) under the Second Amended Consent Order.

Mr. Jeff McNabb of CEC and Mr. Jason Johns of Okeechobee performed the hydrogen sulfide sampling on February 9, 2009. CEC notified FDEP of the H2S sampling in a letter dated January 20, 2009 and emailed to Mr. William Forrest (see attached).

Samples were collected in a 1-liter tedlar bag from an existing sampling port between the blowers and flare. CEC collected two (2) samples from Enclosed Flare 2 and two (2) samples from the Odor Control Flare. The LFG system appeared to be operating properly during sampling. CEC noted the LFG flows from the flow meters on each flare during sampling and the LFG quality was obtained from GEM 2000 monitoring.

The four samples were shipped to Air Technology Laboratories, Inc. on February 9, 2009 for analysis by US EPA Method 15/16 for Sulfur Compounds. Per Okeechobee instruction, CEC analyzed one sample from the Enclosed Flares (Flare 2) and one sample from the odor flare (Odor 1). The remaining two samples were retained as backups.

Air Technology analyzed the samples on February 11, 2009 and reported the results to CEC in a report dated February 16, 2009. The results (lab report attached to this letter) and the field sampling data CEC collected were as follows:

TABLE 1. HYDROGEN SULFIDE SAMPLING - LFG SYSTEM - FEB 2009

Sample Location	Enclosed Flare 2	Odor Flare
H2S Concentration (ppmv)	3,300	2,100
LFG Flow (scfm)	1,790	416
Methane (%)	43.7	43.3
Carbon Dioxide (%)	34.5	33.4
Oxygen (%)	1.9	2.3
Balance Gas (%)	20.0	21.1

CEC appreciates the opportunity to provide engineering and environmental compliance services to Okeechobee Landfill, Inc. If you have any questions regarding this report, please feel free to contact me at (704) 506-7312.

Sincerely,

Kristofer L. Carlson, P.E.

Principal

Carlson Environmental Consultants, PC

cc: Tony Bishop, OLI

Jim Christiansen, WM

Jason Johns, OLI

Jeff McNabb, CEC



February 16, 2009



EPA Methods TO3, TO14A, TO15, 25C/3C

TX Cert #T104704450-09-TX EPA Methods TO14A TO15

AZ Dept of Health Services #AZ0737 EPA Methods TO3, TO14A, TO15, 15, 16, 25C

Carlson Environmental ATTN: Kris Carlson 305 S. Main St. Monroe, NC 28112

LABORATORY TEST RESULTS

Project Reference: Okeechobee

Lab Number:

A9021001-01/02

Enclosed are results for sample(s) received 2/10/09 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.

Results were e-mailed to Kris Carlson on 2/16/09.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Operations Manager

MJohnson@AirTechLabs.com

Enclosures

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Client: Carlson Environmental Consultants

Attn:

Kris Carlson

Page 2 of 3 A9021001

Client's Project:

Okeechobee H2S

Date Received: Matrix:

02/10/09 Air

Units:

ppmv

EPA 15/16 (Sulfur Compounds in Air)

	Lab No.:	A902	1001-01	A902	1001-02		ļ	 	
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ANALYTE	PQL	RL	Results	RL	Results				
Hydrogen Sulfide	0.20	200	3,300	200	2,100				
							1		

PQL = Practical Quantitation Limit

ND = Not Detected (Below RL)

RL = Reporting Limit = PQL X Dilution Factor

Reviewed/Approved By:		Date:	2/13/09	
	Mark J. Johnson			
	Operations Manager			

QC Batch #:

090210GC3A1

Matrix:

Air

Units:

ppmv

	QC for 1	5/16 (S	ulfur Co	mpou	nds in A	ir)			
	Lab No.:	Bl	ank	L	CS	L	CSD		
Date	Analyzed:	02/	10/09	02/1	0/09	02/	10/09		
Analy	st Initials:	V	/M	V	M	7	/M		
	Datafile:	10F	eb004	10F	eb002	101	eb003		
Diluti	on Factor:	. 1	1.0	1	.0		1.0		
ANALYTE	PQL	RL	Results	%R	Criteria	%R	Criteria	RPD	Criteria
Hydrogen Sulfide	0.20	0.20	ND	113	70-130	109	70-130	3.6	<30
·									

PQL = Practical Quantitation Limit

ND = Not Detected (Below RL).

RL = Reporting Limit = PQL X Dilution Factor

Reviewed/Approved By: ____

Mark J. Johnson

Operations Manager

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

January 20, 2009

Mr. William Forrest
Engineering Specialist III
Florida Department of Environmental Protection
Southeast District Office, Air Program
400 North Congress Street, Suite 200
West Palm Beach, Florida 33401

Subject:

Hydrogen Sulfide Gas Sampling Notification

Period: February 2009 Monthly Testing

Okeechobee Landfill, Inc. - Berman Road Landfill

Facility ID No. 0930104

Dear Mr. Forrest:

Per the request of Okeechobee Landfill, Inc. (OLI), Carlson Environmental Consultants, PC (CEC) is submitting this written notification to the Florida Department of Environmental Protection (FDEP) concerning upcoming hydrogen sulfide (H2S) gas sampling at the Berman Road Landfill located near Okeechobee, Florida. CEC will be assisting OLI with the collection of landfill gas samples for H2S analysis for compliance with the Second Amended Order. The sampling will be performed on Monday, February 9, 2009 at approximately 2:00 pm. All samples will be collected via Tedlar bags from the active LFG collection system and overnight shipped to Air Technology Laboratories for analysis.

Please feel free to contact the undersigned at (704) 506-7312 or Mr. Seth Nunes, PE of Okeechobee Landfill, Inc. at (863) 357-0111 if you have any questions concerning this upcoming testing event.

Sincerely,

Kristofer L. Carlson, PE

Principal

Carlson Environmental Consultants, PC

cc:

Tony Bishop, OLI Seth Nunes, PE

Jim Christiansen, OLI Jason Johns, OLI

Jeff McNabb, CEC

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

April 7, 2009

Mr. Seth Nunes, PE District Engineer Okeechobee Landfill, Inc. 10800 NE 128th Avenue Okeechobee, FL 34972

RE: Hydrogen Sulfide Sampling Results - March 2009

Berman Road Landfill - Okeechobee, FL

Facility ID No. 0930104

Dear Seth:

Per your request, Carlson Environmental Consultants, PC (CEC) is submitting to Okeechobee Landfill, Inc. (Okeechobee) this Hydrogen Sulfide Sampling Report for March 2009 for the Berman Road Landfill (Landfill) located near Okeechobee, Florida. Hydrogen sulfide sampling is required to be performed monthly by the Florida Department of Environmental Protection (FDEP) under the Second Amended Consent Order.

Mr. Jeff McNabb of CEC and Mr. Jason Johns of Okeechobee performed the hydrogen sulfide sampling on March 30, 2009. CEC notified FDEP of the H2S sampling in a letter dated March 12, 2009 and emailed to Mr. William Forrest (see attached).

Samples were collected in a 1-liter tedlar bag from an existing sampling port between the blowers and flare. CEC collected two (2) samples from Enclosed Flare 2 and two (2) samples from the Odor Control Flare. The LFG system appeared to be operating properly during sampling. CEC noted the LFG flows from the flow meters on each flare during sampling and the LFG quality was obtained from GEM 2000 monitoring.

The four samples were shipped to Air Technology Laboratories, Inc. on March 30, 2009 for analysis by US EPA Method 15/16 for Sulfur Compounds. Per Okeechobee instruction, CEC analyzed one sample from the Enclosed Flares (Flare 2) and one sample from the odor flare (Odor 1). The remaining two samples were retained as backups.

Air Technology analyzed the samples on April 1, 2009 and reported the results to CEC in a report dated April 7, 2009. The results (lab report attached to this letter) and the field sampling data CEC collected were as follows:

TABLE 1. HYDROGEN SULFIDE SAMPLING - LFG SYSTEM - MARCH 2009

Sample Location	Enclosed Flare 2	Odor Flare
H2S Concentration (ppmv)	1,900	2,600
LFG Flow (scfm)	1,675	625
Methane (%)	44.8	42.0
Carbon Dioxide (%)	34.5	32.3
Oxygen (%)	1.3	2.5
Balance Gas (%)	19.4	23.2

CEC appreciates the opportunity to provide engineering and environmental compliance services to Okeechobee Landfill, Inc. If you have any questions regarding this report, please feel free to contact me at (704) 506-7312.

Sincerely,

Kristofer L. Carlson, P.E.

Principal

Carlson Environmental Consultants, PC

cc: Tony Bishop, OLI

Jim Christiansen, WM Jason Johns, OLI Jeff McNabb, CEC

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

March 12, 2009

Mr. Bill Forrest Air Program Florida Department of Environmental Protection Southeast District Office, Air Program 400 North Congress Street, Suite 200 West Palm Beach, Florida 33401

Subject:

Hydrogen Sulfide Gas Sampling Notification

Period: March 2009 Monthly Testing

Okeechobee Landfill, Inc. - Berman Road Landfill

Facility ID No. 0930104

Dear Mr. Forrest:

Per the request of Okeechobee Landfill, Inc. (OLI), Carlson Environmental Consultants, PC (CEC) is submitting this written notification to the Florida Department of Environmental Protection (FDEP) concerning upcoming hydrogen sulfide (H2S) gas sampling at the Berman Road Landfill located near Okeechobee, Florida. CEC will be assisting OLI with the collection of landfill gas samples for H2S analysis for compliance with the Second Amended Order. The sampling will be performed on Monday March 30, 2009 at approximately 2:00 pm. All samples will be collected via Tedlar bags from the active LFG collection system and overnight shipped to Air Technology Laboratories for analysis.

Please feel free to contact the undersigned at (704) 506-7312 or Mr. Seth Nunes, PE of Okeechobee Landfill, Inc. at (863) 357-0111 if you have any questions concerning this upcoming testing event.

Sincerely,

Kristofer L. Carlson, PE

Principal

Carlson Environmental Consultants, PC

cc:

Tony Bishop, OLI Seth Nunes, PE Jim Christiansen, OLI Jason Johns, OLI Jeff McNabb, CEC

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Client: Carison Environmental Consultants

Attn: Kris Carlson

Client's Project:

OLI H2S 03/31/09

Date Received: Matrix:

Air

Units:

ppmv

EPA 15/16	(Sulfur	Compoun	ds in Air)	ì

	Lab No.:		3102-01	A903	3102-02	 	 		
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			1GC3A1	09040	1GC3A1	 			
Dilut	ion Factor:	1	000	1000		 •			
ANALYTE	PQL	RL	Results	RL	Results				
Hydrogen Sulfide	0.20	200	1,900	200	2,600				

PQL = Practical Quantitation Limit

ND = Not Detected (Below RL)

RL = Reporting Limit = PQL X Dilution Factor

Reviewed/Approved By: Mark J. John	son MCl.	Date: 4/9/0°	
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Operations Manager

QC Batch #:

090401GC3A1

Matrix:

Air

Units:

ppmv

QC for EFA 15/10 (Summ Compounds in Air)											
	Lab No.:	Blank	LCS	LCSD							
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ANALYTE	PQL	RL	Results	%R	Criteria	%R	Criteria	RPD	Criteria
Hydrogen Sulfide	0.20	0.20	ND	86	70-130	86	70-130	0.3	<30

PQL = Practical Quantitation Limit

ND = Not Detected (Below RL).

RL = Reporting Limit = PQL X Dilution Factor

Reviewed/Approved By: **Operations Manager**

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

April 28, 2009

Mr. Seth Nunes, PE District Engineer Okeechobee Landfill, Inc. 10800 NE 128th Avenue Okeechobee, FL 34972

RE: Hv

Hydrogen Sulfide Sampling Results – April 2009 Berman Road Landfill – Okeechobee, FL

Facility ID No. 0930104

Dear Seth:

Per your request, Carlson Environmental Consultants, PC (CEC) is submitting to Okeechobee Landfill, Inc. (Okeechobee) this Hydrogen Sulfide Sampling Report for April 2009 for the Berman Road Landfill (Landfill) located near Okeechobee, Florida. Hydrogen sulfide sampling is required to be performed monthly by the Florida Department of Environmental Protection (FDEP) under the Second Amended Consent Order.

Mr. Jeff McNabb of CEC and Mr. Jason Johns of Okeechobee performed the hydrogen sulfide sampling on April 7, 2009. CEC notified FDEP of the H2S sampling in a letter dated March 12, 2009 and emailed to Mr. William Forrest (see attached).

Samples were collected in a 1-liter tedlar bag from an existing sampling port between the blowers and flare. CEC collected two (2) samples from Enclosed Flare 1 and two (2) samples from the Odor Control Flare. The LFG system appeared to be operating properly during sampling. CEC noted the LFG flows from the flow meters on each flare during sampling and the LFG quality was obtained from GEM 2000 monitoring.

The four samples were shipped to Air Technology Laboratories, Inc. on April 7, 2009 for analysis by US EPA Method 15/16 for Sulfur Compounds. Per Okeechobee instruction, CEC analyzed one sample from the Enclosed Flares (Flare 1) and one sample from the odor flare (Odor 1). The remaining two samples were retained as backups.

Air Technology analyzed the samples on April 8, 2009 and reported the results to CEC in a report dated April 16, 2009. The results (lab report attached to this letter) and the field sampling data CEC collected were as follows:

TABLE 1, HYDROGEN SULFIDE SAMPLING - LFG SYSTEM - APRIL 2009

Sample Location	Enclosed Flare 1	Odor Flare
H2S Concentration (ppmv)	3,300	2,800
LFG Flow (scfm)	1,812	645
Methane (%)	45.8	42.8
Carbon Dioxide (%)	33.2	32.3
Oxygen (%)	1.6	2.3
Balance Gas (%)	19.4	22.6

CEC appreciates the opportunity to provide engineering and environmental compliance services to Okeechobee Landfill, Inc. If you have any questions regarding this report, please feel free to contact me at (704) 506-7312.

Sincerely,

Kristofer L. Carlson, P.E.

Principal

Carlson Environmental Consultants, PC

cc: Tony Bishop, OLI

Jim Christiansen, WM Jason Johns, OLI Jeff McNabb, CEC

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

March 12, 2009

Mr. Bill Forrest Air Program Florida Department of Environmental Protection Southeast District Office, Air Program 400 North Congress Street, Suite 200 West Palm Beach, Florida 33401

Subject:

Hydrogen Sulfide Gas Sampling Notification

Period: April 2009 Monthly Testing

Okeechobee Landfill, Inc. - Berman Road Landfill

Facility ID No. 0930104

Dear Mr. Forrest:

Per the request of Okeechobee Landfill, Inc. (OLI), Carlson Environmental Consultants, PC (CEC) is submitting this written notification to the Florida Department of Environmental Protection (FDEP) concerning upcoming hydrogen sulfide (H2S) gas sampling at the Berman Road Landfill located near Okeechobee, Florida. CEC will be assisting OLI with the collection of landfill gas samples for H2S analysis for compliance with the Second Amended Order. The sampling will be performed on Tuesday April 7, 2009 at approximately 2:00 pm. All samples will be collected via Tedlar bags from the active LFG collection system and overnight shipped to Air Technology Laboratories for analysis.

Please feel free to contact the undersigned at (704) 506-7312 or Mr. Seth Nunes, PE of Okeechobee Landfill, Inc. at (863) 357-0111 if you have any questions concerning this upcoming testing event.

Sincerely,

Kristofer L. Carlson, PE

Principal

Carlson Environmental Consultants, PC

cc:

Tony Bishop, OLI Seth Nunes, PE Jim Christiansen, OLI Jason Johns, OLI Jeff McNabb, CEC



April 16, 2009



TX Cert #T104704450-09-TX EPA Methods TO14A,TO15

AZ Dept of Health Services #AZ0737 EPA Methods TO3, TO14A, TO15, 15, 16, 25C

Carlson Environmental ATTN: Kris Carlson 305 S. Main St. Monroe, NC 28112

LABORATORY TEST RESULTS

Project Reference: OLI Okeechobee Landfill

Lab Number:

A9040801-01/02

Enclosed are results for sample(s) received 4/08/09 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.

Results were e-mailed to Kris Carlson on 4/16/09.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson

Operations Manager

MJohnson@AirTechLabs.com

Enclosures

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Page 2 of 3 A9040801

Client: Carlson Environmental Consultants

Attn: Kris Carlson

Client's Project:

OLI Okeechobee Landfill

Date Received: Matrix:

04/08/09 Air

Units:

ppmv

EPA 15/16	(Sulfur Compoun	ds in Air)

	Lab No.:	A9040	801-01A	A9040	801-02A	 ·····		 	
Client S	Sample I.D.:	SHA	W 1A	OD	OR A	•			
Da	te Sampled:	04/	07/09	04/	07/09		_	 -	
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Ana	Analyst Initials:		/M		/M	 			
	QC Batch:	09040	090407GC3A1		7GC3A1				
Dilu	ion Factor:	10	000	1000					
ANALYTE	PQL	RL	Results	RL	Results				
Hydrogen Sulfide	0.20	200	3,300	200	2,800				

PQL = Practical Quantitation Limit

ND = Not Detected (Below RL)

RL = Reporting Limit = PQL X Dilution Factor

Reviewed/Approved By:

Mark J. Johnson

Operations Manager

Date: 4/15

The cover letter is an integral part of this analytical report.

AirTECHNOLOGY Laboratories, Inc.

QC Batch #:

090407GC3A1

Matrix:

Air

Units:

ppmv

QC for	EPA 15/16	(Sulfur Co	ompounds in	Air)	
•				*	

Lab No.:			Blank LCS LCSD					
Analyzed:	04/	07/09	04/0	07/09	04/	07/09		
st Initials:	7	M	V	M	7	/M		
Datafile:		06Apr024 06Apr025				pr027		
Dilution Factor:		1.0		.0	1.0			
PQL	RL	Results	%R	Criteria	%R	Criteria	RPD	Criteria
0.20	0.20	ND	78	70-130	88	70-130	11.8	<30
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PQL = Practical Quantitation Limit

ND = Not Detected (Below RL).

RL = Reporting Limit = PQL X Dilution Factor

Reviewed/Approved By: Date:

Operations Manager

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

June 8, 2009

Mr. Seth Nunes, PE District Engineer Okeechobee Landfill, Inc. 10800 NE 128th Avenue Okeechobee, FL 34972

RE: Hydrogen Sulfide Sampling Results – May 2009 Berman Road Landfill – Okeechobee, FL

Facility ID No. 0930104

Dear Seth:

Per your request, Carlson Environmental Consultants, PC (CEC) is submitting to Okeechobee Landfill, Inc. (Okeechobee) this Hydrogen Sulfide Sampling Report for May 2009 for the Berman Road Landfill (Landfill) located near Okeechobee, Florida. Hydrogen sulfide sampling is required to be performed monthly by the Florida Department of Environmental Protection (FDEP) under the Second Amended Consent Order.

Mr. Jeff McNabb of CEC and Mr. Jason Johns of Okeechobee performed the hydrogen sulfide sampling on May 18, 2009. CEC notified FDEP of the H2S sampling in a letter dated May 4, 2009 and emailed to Mr. William Forrest (see attached).

Samples were collected in a 1-liter tedlar bag from an existing sampling port between the blowers and flare. CEC collected two (2) samples from Enclosed Flare 1. No landfill gas was being combusted at the odor control flare; therefore, per Okeechobee direction, no H2S samples were taken for analysis. The LFG system appeared to be operating properly during sampling. CEC noted the LFG flows from the flow meters on the flare during sampling and the LFG quality was obtained from GEM 2000 monitoring.

The two samples were shipped to Air Technology Laboratories, Inc. on May 18, 2009 for analysis by US EPA Method 15/16 for Sulfur Compounds. Per Okeechobee instruction, CEC analyzed one sample from the Enclosed Flare set. The remaining sample was retained as backup.

Air Technology analyzed the samples on May 19, 2009 and reported the results to CEC in a report dated May 22, 2009 and received by CEC on June 8, 2009. The results (lab report attached to this letter) and the field sampling data CEC collected were as follows:

TABLE 1. HYDROGEN SULFIDE SAMPLING - LFG SYSTEM - MAY 2009

Sample Location	Enclosed Flare 1
H2S Concentration (ppmv)	2,600
LFG Flow (scfm)	2,340
Methane (%)	47.6
Carbon Dioxide (%)	36.8
Oxygen (%)	1.1
Balance Gas (%)	14.5

CEC appreciates the opportunity to provide engineering and environmental compliance services to Okeechobee Landfill, Inc. If you have any questions regarding this report, please feel free to contact me at (704) 283-9765.

Sincerely,

Kristofer L. Carlson, P.E.

Principal

Carlson Environmental Consultants, PC

cc:

Tony Bishop, OLI Jim Christiansen, WM Jason Johns, OLI Jeff McNabb, CEC

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

May 4, 2009

Mr. William Forrest
Engineering Specialist III
Florida Department of Environmental Protection
Southeast District Office, Air Program
400 North Congress Street, Suite 200
West Palm Beach, Florida 33401

Subject:

Hydrogen Sulfide Gas Sampling Notification

Period: May 2009 Monthly Testing

Okeechobee Landfill, Inc. - Berman Road Landfill

Facility ID No. 0930104

Dear Mr. Forrest:

Per the request of Okeechobee Landfill, Inc. (OLI), Carlson Environmental Consultants, PC (CEC) is submitting this written notification to the Florida Department of Environmental Protection (FDEP) concerning upcoming hydrogen sulfide (H2S) gas sampling at the Berman Road Landfill located near Okeechobee, Florida. CEC will be assisting OLI with the collection of landfill gas samples for H2S analysis for compliance with the Second Amended Order. The sampling will be performed on Monday, May 18, 2009 at approximately 2:00 pm. All samples will be collected via Tedlar bags from the active LFG collection system and overnight shipped to Air Technology Laboratories for analysis.

Please feel free to contact the undersigned at (704) 283-9765 or Mr. Seth Nunes, PE of Okeechobee Landfill, Inc. at (863) 357-0111 if you have any questions concerning this upcoming testing event.

Sincerely,

Kristofer L. Carlson, PE

Principal

Carlson Environmental Consultants, PC

cc: Tony Bishop, OLI

Seth Nunes, PE

Jim Christiansen, OLI

Jason Johns, OLI

Jeff McNabb, CEC



May 22, 2009

Carlson Environmental ATTN: Kris Carlson 305 S. Main St. Monroe, NC 28112

LABORATORY TEST RESULTS

Project Reference: OLI H2S

Lab Number:

A9051902-01

Enclosed are results for sample(s) received 5/19/09 by Air Technology Laboratories. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Sample analyses were performed within method performance criteria and meet all requirements of the NELAC Standards.
- All results are reported without qualifications.

Results were e-mailed to Kris Carlson on 5/19/09.

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely.

Mark Johnson

Operations Manager

MJohnson@AirTechLabs.com

Enclosures

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Page 2 of 3 A9051902

Client:

Carlson Environmental Consultants

Attn: Kris Carlson

Client's Project: Date Received:

OLI H2S 05/19/09

Matrix:

Air

Units:

ppmv

	Œ	PA 15/	16 (Sulf	ur Coi	npour	ds in	Air)			
	Lab No.:	A905	1902-01							
Client Sample I.D.:		SHA	W 1A							
Date Sampled:		05/	18/09			 		 		
Date Analyzed:		05/	19/09			1		 		
Analyst Initials:		1	/M							
OC Batch:		09051	9GC3A1			T				
Dilution Factor:		1	000							
ANALYTE	PQL	RL	Results							
Hydrogen Sulfide	0.20	200	2,600							

PQL = Practical Quantitation Limit

ND = Not Detected (Below RL)

RL = Reporting Limit = PQL X Dilution Factor

Reviewed/Approved By:	Mark J. Johnson // //	Date:	< /19/05
	Operations Manager		

A			
	AirTECHNOLOGY	Laboratories, Inc.	

Date: 5-31-09

QC Batch #:

090519GC3A1

Matrix:

Air

Units:

ppmv

QC for EPA 15/16 (Sulfur Compounds in Air)

Lab No.: Date Analyzed: Analyst Initials: Datafile: Dilution Factor:		Bl	ank	L	CS	L	CSD		
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ANALYTE	PQL	RL	Results	%R	Criteria	%R	Criteria	RPD	Criteria
Hydrogen Sulfide	0.20	0.20	ND	83	70-130	83	70-130	0.8	<30

PQL = Practical Quantitation Limit

ND = Not Detected (Below RL).

RL = Reporting Limit = PQL X Dilution Factor

Reviewed/Approved By: __

Operations Manager

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

July 10, 2009

Mr. Seth Nunes, PE District Engineer Okeechobee Landfill, Inc. 10800 NE 128th Avenue Okeechobee, FL 34972

RE: Hydrogen Sulfide Sampling Results – June 2009

Berman Road Landfill - Okeechobee, FL

Facility ID No. 0930104

Dear Seth:

Per your request, Carlson Environmental Consultants, PC (CEC) is submitting to Okeechobee Landfill, Inc. (Okeechobee) this Hydrogen Sulfide Sampling Report for June 2009 for the Berman Road Landfill (Landfill) located near Okeechobee, Florida. Hydrogen sulfide sampling is required to be performed monthly by the Florida Department of Environmental Protection (FDEP) under the Second Amended Consent Order.

Mr. Jeff McNabb of CEC and Mr. Jason Johns of Okeechobee performed the hydrogen sulfide sampling on June 23, 2009. CEC notified FDEP of the H2S sampling in a letter dated June 8, 2009 and emailed to Mr. William Forrest (see attached). The sampling was delayed to June 23, 2009 due to inclement weather and testing conditions in the afternoon on June 22, 2009.

Samples were collected in a 1-liter tedlar bag from an existing sampling port between the blowers and flare. CEC collected two (2) samples from Enclosed Flare 2. No landfill gas was being combusted at the odor control flare; therefore, per Okeechobee direction, no H2S samples were taken for analysis. The LFG system appeared to be operating properly during sampling. CEC noted the LFG flows from the flow meters on the flare during sampling and the LFG quality was obtained from GEM 2000 monitoring.

Per Okeechobee direction, the two samples were shipped to Test America Laboratories on June 23, 2009 for analysis by US EPA Method 15/16 for Sulfur Compounds. Also per Okeechobee instruction, CEC analyzed one sample from the Enclosed Flare set. The remaining sample was retained as backup.

Test America analyzed the samples on June 24, 2009 and reported the results to CEC in a report dated June 30, 2009 and received by CEC on June 30, 2009. The results (lab report attached to this letter) and the field sampling data CEC collected were as follows:

TABLE 1. HYDROGEN SULFIDE SAMPLING - LFG SYSTEM - JUNE 2009

Sample Location	Enclosed Flare 2
H2S Concentration (ppmv)	1,500
LFG Flow (scfm)	1,758
Methane (%)	44.4
Carbon Dioxide (%)	34.4
Oxygen (%)	2.0
Balance Gas (%)	19.3

CEC appreciates the opportunity to provide engineering and environmental compliance services to Okeechobee Landfill, Inc. If you have any questions regarding this report, please feel free to contact me at (704) 283-9765.

Sincerely,

Kristofer L. Carlson, P.E.

Principal.

Carlson Environmental Consultants, PC

cc: Tony Bishop, OLI

Jim Christiansen, WM Jason Johns, OLI Jeff McNabb, CEC

Carlson Environmental Consultants, PC

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

June 8, 2009

Mr. William Forrest
Engineering Specialist III
Florida Department of Environmental Protection
Southeast District Office, Air Program
400 North Congress Street, Suite 200
West Palm Beach, Florida 33401

Subject:

Hydrogen Sulfide Gas Sampling Notification

Period: June 2009 Monthly Testing

Okeechobee Landfill, Inc. - Berman Road Landfill

Facility ID No. 0930104

Dear Mr. Forrest:

Per the request of Okeechobee Landfill, Inc. (OLI), Carlson Environmental Consultants, PC (CEC) is submitting this written notification to the Florida Department of Environmental Protection (FDEP) concerning upcoming hydrogen sulfide (H2S) gas sampling at the Berman Road Landfill located near Okeechobee, Florida. CEC will be assisting OLI with the collection of landfill gas samples for H2S analysis for compliance with the Second Amended Order. The sampling will be performed on Monday, June 22, 2009 at approximately 2:00 pm. All samples will be collected via Tedlar bags from the active LFG collection system and overnight shipped to Air Technology Laboratories for analysis.

Please feel free to contact the undersigned at (704) 283-9765 or Mr. Seth Nunes, PE of Okeechobee Landfill, Inc. at (863) 357-0111 if you have any questions concerning this upcoming testing event.

Sincerely,

Kristofer L. Carlson, PE

Principal

Carlson Environmental Consultants, PC

cc:

Tony Bishop, OLI Seth Nunes, PE Jim Christiansen, OLI Jason Johns, OLI Jeff McNabb, CEC

3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

June 30, 2009

LABORATORY REPORT

Client:

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Attn: Jeff McNabb Work Order:

LSF0212

Project Name:

1011 Okeechobee Landfill

Project Number: Date Received: [none] 06/24/09

TestAmerica Los Angeles certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the Corrective Action Report. NELAC Certification Number for TestAmerica Los Angeles is E87652. The test results listed within this Laboratory Report pertain only to the samples tested in the laboratory. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

The Chain of Custody, I page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 714-258-8610.

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

Approved By:

Marisol Tabirara Project Manager

LSF0212



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street

Monroe, NC 28112 Jeff McNabb Work Order:

LSF0212

Received: Reported: 06/24/09 09:40 06/30/09 12:20

Project: 1011 Okeechobee Landfill

Project Number: [none]

SAMPLE IDENTIFICATION

SHAW 2A/2B

LAB NUMBER LSF0212-01 06/23/09 15:32

MATRIX Air

CONTAINER TYPE

Tedlar Bag 1L



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street

Monroe, NC 28112 Jeff McNabb Work Order:

LSF0212

Received:

06/24/09 09:40

Reported:

06/30/09 12:20

Project:

1011 Okeechobee Landfill

Project Number: [none]

ANALYTICAL REPORT

		Data					Date			QC
Analyte	Result	Qualifiers	Units	•	RL	Dilution	Analyzed	Instrument	Analyst	Batch
Sample ID: LSF0212-01 (SHA EPA 15/16 - Sulfur Compounds	W 2A/2B - Air)						Samp	led: 06/23/09 1	5:32	
Hydrogen sulfide	1500	•	ppmv		500	5000	06/24/09 11:16	GC7	YZ	9F24002



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Jeff McNabb Work Order:

LSF0212

Received:

06/24/09 09:40

Reported:

06/30/09 12:20

Project:

1011 Okeechobee Landfill

Project Number: [none]

PROJECT QUALITY CONTROL DATA

Blank

		Data	•			Date			QC
Analyte	Result	Qualifier	Units	RL	Dilution	Analyzed	Instrument	Analyst	Batch
Sample ID: 9F24002-BLK1 (Blan	k - Air)								
EPA 15/16 - Sulfur Compounds				•					
Hydrogen sulfide	ND		ppmv	0.10	1.00	06/24/09 1:45	GC7	YZ	9F24002



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Jeff McNabb Work Order:

LSF0212

Received:

06/24/09 09:40

Reported:

06/30/09 12:20

Project:

1011 Okeechobee Landfill

Project Number: [none]

PROJECT QUALITY CONTROL DATA

LCS

•		Data				Spike	•	Target		Date	QC
Analyte	Result	Qualifiers	Units	RL	Dilution	Conc	% Rec	Range	Instrument	Analyzed	Batch
Sample ID: 9F24002-BS1 (LCS - Air) EPA 15/16 - Sulfur Compounds			•								
Hydrogen sulfide	0.963		ppmv	0.10	1.00	0.980	98%	60 - 130	GC7	06/24/09 01:06	9F24002



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Jeff McNabb Work Order:

LSF0212

Received:

06/24/09 09:40

Reported:

06/30/09 12:20

Project:

1011 Okeechobee Landfill

Project Number: [none]

PROJECT QUALITY CONTROL DATA

LCS Dup

		Data			0	Spike		Target			Date	QC
Analyte	Result	Qualifiers	Units	RL	Dilution	Conc	% Rec	Range	RPD	Limit	Analyzed	Batch
Sample ID: 9F24002-BSD1 (LCS	S Dup - Air)											
EPA 15/16 - Sulfur Compounds												
Hydrogen sulfide	0.941		ppmv	0.10	1.00	0.980	96%	60 - 130	2	25	06/24/09 01:26	9F24002



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street

Monroe, NC 28112 Jeff McNabb Work Order:

LSF0212

Received:

06/24/09 09:40

Reported:

06/30/09 12:20

Project:

1011 Okeechobee Landfill

Project Number: [none]

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

7 of 8

LSF0212

TestAmerica Los Angeles

3585-A Cadillac Ave. Costa Mesa CA 92626

Canister Samples Chain of Custody Record



8-0921

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information	Project Man	ager: K	بزد (عر	1501	`		SFO	II.	2_		T	1	of_	I	cocs				
Company: CARLSON ENVIRONMENTAL	Phone: 70	34 SC	G 73	12_		Samples Co	lected By:			W	CM	<u> 고</u>	<u> </u>						-
Address: 305 South Mein Sireet City/State/Zip Monroe, NC 28112	الته Email: کے	تلامره	20 v	gm21	1,000										鸖		T		
Phone: 704 283 9765	Site Contac	E TOTA	W(B)	dda		ł		Į ,		}			1	흏				1	흏
FAX: 704 283 4755	LAB Contac	# Som	<u> </u>			1					1	- 1	- 1	8	23			1	3
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Relinquished by:	Date/Time	· /			Receive	Bys.	111												

SF0212

8 of 8

Carlson Environmental Consultants, PC

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

August 4, 2009

Mr. Tony Bishop District Manager Okeechobee Landfill, Inc. 10800 NE 128th Avenue Okeechobee, FL 34972

RE: Hydrogen Sulfide Sampling Results – July 2009 Berman Road Landfill – Okeechobee, FL

Facility ID No. 0020104

Facility ID No. 0930104

Dear Tony:

Per your request, Carlson Environmental Consultants, PC (CEC) is submitting to Okeechobee Landfill, Inc. (Okeechobee) this Hydrogen Sulfide Sampling Report for July 2009 for the Berman Road Landfill (Landfill) located near Okeechobee, Florida. Hydrogen sulfide sampling is required to be performed monthly by the Florida Department of Environmental Protection (FDEP) under the Second Amended Consent Order.

Mr. Jeff McNabb of CEC and Mr. Jason Johns of Okeechobee performed the hydrogen sulfide sampling on July 30, 2009. CEC notified FDEP of the H2S sampling in a letter dated July 16, 2009 and emailed to Mr. William Forrest (see attached).

Samples were collected in a 1-liter tedlar bag from an existing sampling port between the blowers and flare. CEC collected two (2) samples from Enclosed Flare 1. No landfill gas was being combusted at the odor control flare; therefore, per Okeechobee direction, no H2S samples were taken for analysis. The LFG system appeared to be operating properly during sampling. CEC noted the LFG flows from the flow meters on the flare during sampling and the LFG quality was obtained from GEM 2000 monitoring.

Per Okeechobee direction, the two samples were shipped to Test America Laboratories on July 30, 2009 for analysis by US EPA Method 15/16 for Sulfur Compounds. Also per Okeechobee instruction, CEC analyzed one sample from the Enclosed Flare set. The remaining sample was retained as backup.

Test America analyzed the samples on July 31, 2009 and reported the results to CEC in a report dated July 31, 2009 and received by CEC on August 3, 2009. The results (lab report attached to this letter) and the field sampling data CEC collected were as follows:

TABLE 1. HYDROGEN SULFIDE SAMPLING – LFG SYSTEM – JULY 2009

Sample Location	Enclosed Flare 1
H2S Concentration (ppmv)	2,100
LFG Flow (scfm)	2,343
Methane (%)	48.3
Carbon Dioxide (%)	36.7
Oxygen (%)	1.1
Balance Gas (%)	14.1

CEC appreciates the opportunity to provide engineering and environmental compliance services to Okeechobee Landfill, Inc. If you have any questions regarding this report, please feel free to contact me at (704) 283-9765.

Sincerely,

Kristofer L. Carlson, P.E.

Principal

Carlson Environmental Consultants, PC

cc: Tony Bishop, OLI

Jim Christiansen, WM Jason Johns, OLI

Jeff McNabb, CEC

Carlson Environmental Consultants, PC

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

July 16, 2009

Mr. William Forrest
Engineering Specialist III
Florida Department of Environmental Protection
Southeast District Office, Air Program
400 North Congress Street, Suite 200
West Palm Beach, Florida 33401

Subject:

Hydrogen Sulfide Gas Sampling Notification

Period: July 2009 Monthly Testing

Okeechobee Landfill, Inc. - Berman Road Landfill

Facility ID No. 0930104

Dear Mr. Forrest:

Per the request of Okeechobee Landfill, Inc. (OLI), Carlson Environmental Consultants, PC (CEC) is submitting this written notification to the Florida Department of Environmental Protection (FDEP) concerning upcoming hydrogen sulfide (H2S) gas sampling at the Berman Road Landfill located near Okeechobee, Florida. CEC will be assisting OLI with the collection of landfill gas samples for H2S analysis for compliance with the Second Amended Order. The sampling will be performed on Thursday, July 30, 2009 at approximately 2:00 pm. All samples will be collected via Tedlar bags from the active LFG collection system and overnight shipped to Test America Laboratory for analysis.

Please feel free to contact the undersigned at (704) 283-9765 or Mr. Tony Bishop of Okeechobee Landfill, Inc. at (863) 357-0111 if you have any questions concerning this upcoming testing event.

Sincerely,

Kristofer L. Carlson, PE

Principal

Carlson Environmental Consultants, PC

cc:

Tony Bishop, OLI Seth Nunes, PE, OLI Jim Christiansen, OLI Jason Johns, OLI Jeff McNabb, CEC



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

July 31, 2009

LABORATORY REPORT

Client:

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Attn: Jeff McNabb

Work Order:

LSG0258

Project Name:

1011 Okeechobee Landfill

[none] Project Number: Date Received:

07/31/09

TestAmerica Los Angeles certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the Corrective Action Report. NELAC Certification Number for TestAmerica Los Angeles is E87652. The test results listed within this Laboratory Report pertain only to the samples tested in the laboratory. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

The Chain of Custody, I page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 714-258-8610.

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

Approved By:

Marisol Tabirara Project Manager

1 of 8

LSG0258



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street

Monroe, NC 28112 Jeff McNabb Work Order:

LSG0258

Received:

07/31/09 10:00

Reported:

07/31/09 15:00

Project:

1011 Okeechobee Landfill

Project Number:

[none]

SAMPLE IDENTIFICATION

SHAW 1A

LAB NUMBER LSG0258-01 O7/30/09 13:49

MATRIX Air CONTAINER TYPE
Tedlar Bag 1L

2 of 8

LSG0258



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street

Monroe, NC 28112 Jeff McNabb Work Order:

LSG0258

Received:

07/31/09 10:00

Reported:

07/31/09 15:00

Project:

1011 Okeechobee Landfill

Project Number: [none]

ANALYTICAL REPORT

N. S.	4	Data				Date	1 2		QC
Analyte	Result	Qualifiers	Units	RL	Dilution	Analyzed	Instrument	Analyst	Batch
Sample ID: LSG0258-01 (SHAW 1A - Air) EPA 15/16 - Sulfur Compounds	2 4					Samp	led: 07/30/09 1	3:49	
Hydrogen sulfide	2100		ppmv	200	2000	07/31/09 10:58	GC7	YZ	9G31002



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Jeff McNabb Work Order:

LSG0258

Received:

07/31/09 10:00

Reported:

07/31/09 15:00

Project:

1011 Okeechobee Landfill

Project Number:

[none]

PROJECT QUALITY CONTROL DATA

Blank

		Data				Date			QC
Analyte	Result	Qualifier	Units	RL	Dilution	Analyzed	Instrument	Analyst	Batch
Sample ID: 9G31002-BLK1 (Blan	ık - Air)								
EPA 15/16 - Sulfur Compounds									
Hydrogen sulfide	ND		ppmv	0.10	1.00	07/31/09 9:24	GC7	YZ	9G31002



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Jeff McNabb

Work Order:

LSG0258

Received:

07/31/09 10:00

Reported:

07/31/09 15:00

Project:

1011 Okeechobee Landfill

Project Number:

[none]

PROJECT QUALITY CONTROL DATA

LCS

		Data				Spike		Target		Date	QC
Analyte	Result	Qualifiers	Units	RL	Dilution	Conc	% Rec	Range	Instrument	Analyzed	Batch
Sample ID: 9G31002-BS1 (LCS - Air	r)										
EPA 15/16 - Sulfur Compounds											
Hydrogen sulfide	0.804		ppmv	0.10	1.00	0.980	82%	60 - 130	GC7	07/31/09 08:49	9G31002



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Jeff McNabb Work Order:

LSG0258

[none]

Received:

07/31/09 10:00

Reported:

07/31/09 15:00

Project:

1011 Okeechobee Landfill

Project Number:

PROJECT QUALITY CONTROL DATA

LCS Dup

		Data				Spike		Target			Date	QC
Analyte	Result	Qualifiers	Units	RL	Dilution	Conc	% Rec	Range	RPD	Limit	Analyzed	Batch
Sample ID: 9G31002-BSD1 (LCS Du EPA 15/16 - Sulfur Compounds	ıp - Air)											
Hydrogen sulfide	0.864		ppmv	0.10	1.00	0.980	88%	60 - 130	7	25	07/31/09 09:07	9G31002



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112

Jeff McNabb

Work Order:

LSG0258

Received: Reported: 07/31/09 10:00 07/31/09 15:00

Project:

1011 Okeechobee Landfill

Project Number: [none]

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

7 of 8 LSG0258

TestAmerica Los Angeles

3585-A Cadillac Ave. Costa Mesa CA 92626

Canister Samples Chain of Custody Record



8-0921

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

As the model and the specifical extension and the minimum states and the popular
THE LEADER IN ENVIRONMENTAL TESTING
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Client Contact Information	Project Man	rager: K	والح (د	LSG	1 of 1 cocs														
company: (37KDA ENVIRONMENTS)	Phone: 7	2 40	067	312			liected By:	4	حرية	Ţ.	VC								
Address: 305 South Main 5th	Email: Ca	rlsone	(Auns)	Irsmic	<u>ය</u> ^								\neg	\neg	5.55	Т	T		
City/State/Zip Mon08 NC 2811) Phone: 764 283 4765				<u> </u>					1		. 1	- 1	- 1	3	86	- 1		-	\$
FAX: 704 283 4765	Site Contac	4677	- 11/1/	CUEN									- [3		-	- 1		8
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Sample Identification	Sample Date(s)		Time Stop	Canister Vacuum In Field, "Hg (Start)	Canister Vacuum in Field, 'Hg (Stop)	Flow Controller ID	Conister ID	10-15	TO-14A	10.3	epa 3c	EPA 250	ASTM D.1948	Other (Please specify in moles section)	Semple Type	Indoor Air	Amblent Air	Candili Gas	Other (Please specify in notes
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LSG0258

Carlson Environmental Consultants, PC

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

August 27, 2009

Mr. Tony Bishop District Manager Okeechobee Landfill, Inc. 10800 NE 128th Avenue Okeechobee, FL 34972

RE:

Hydrogen Sulfide Sampling Results – August 2009 Berman Road Landfill – Okeechobee, FL Facility ID No. 0930104

Dear Tony:

Per your request, Carlson Environmental Consultants, PC (CEC) is submitting to Okeechobee Landfill, Inc. (Okeechobee) this Hydrogen Sulfide Sampling Report for August 2009 for the Berman Road Landfill (Landfill) located near Okeechobee, Florida. Hydrogen sulfide sampling is required to be performed monthly by the Florida Department of Environmental Protection (FDEP) under the Second Amended Consent Order.

Mr. Seth Nunes and Mr. Jason Johns performed the hydrogen sulfide sampling on August 19, 2009. CEC notified FDEP of the H2S sampling in a letter dated August 4, 2009 and emailed to Mr. William Forrest (see attached).

Samples were collected in a 1-liter tedlar bag from an existing sampling port between the blowers and flare. Samples were collected from Enclosed Flare 1 and Enclosed Flare 2. No landfill gas was being combusted at the odor control flare; therefore, per Okeechobee direction, no H2S samples were taken for analysis. The LFG system appeared to be operating properly during sampling. The LFG flows from the flow meters on the flare during sampling and the LFG quality was obtained from GEM 2000 monitoring. Per Okeechobee direction, the two samples were shipped to Test America Laboratories on August 19, 2009 for analysis by US EPA Method 15/16 for Sulfur Compounds.

Test America analyzed the samples on August 20, 2009 and reported the results to CEC in a report dated August 21, 2009 and received by CEC on August 24, 2009. The results (lab report attached to this letter) and the field sampling data collected were as follows:

TABLE 1. HYDROGEN SULFIDE SAMPLING - LFG SYSTEM - AUGUST 2009

Sample Location	Enclosed Flare 1	Enclosed Flare 2
H2S Concentration (ppmv)	1,900	2,100
LFG Flow (scfm)	1,710	1,833
Methane (%)	44.8	44.4
Carbon Dioxide (%)	36.2	35.1
Oxygen (%)	1.7	1.9
Balance Gas (%)	17.4	18.6

CEC appreciates the opportunity to provide engineering and environmental compliance services to Okeechobee Landfill, Inc. If you have any questions regarding this report, please feel free to contact me at (704) 283-9765.

Sincerely,

Kristofer L. Carlson, P.E.

Principal

Carlson Environmental Consultants, PC

cc:

Tony Bishop, OLI Jim Christiansen, WM Jeff McNabb, CEC

Carlson Environmental Consultants, PC

305 South Main Street Monroe, NC 28112 704-283-9765 704-283-9755 fax

August 4, 2009

Mr. William Forrest
Engineering Specialist III
Florida Department of Environmental Protection
Southeast District Office, Air Program
400 North Congress Street, Suite 200
West Palm Beach, Florida 33401

Subject:

Hydrogen Sulfide Gas Sampling Notification

Period: August 2009 Monthly Testing

Okeechobee Landfill, Inc. - Berman Road Landfill

Facility ID No. 0930104

Dear Mr. Forrest:

Per the request of Okeechobee Landfill, Inc. (OLI), Carlson Environmental Consultants, PC (CEC) is submitting this written notification to the Florida Department of Environmental Protection (FDEP) concerning upcoming hydrogen sulfide (H2S) gas sampling at the Berman Road Landfill located near Okeechobee, Florida. CEC will be assisting OLI with the collection of landfill gas samples for H2S analysis for compliance with the Second Amended Order. The sampling will be performed on Wednesday. August 19, 2009 at approximately 2:00 pm. All samples will be collected via Tedlar bags from the active LFG collection system and overnight shipped to Test America Laboratory for analysis.

Please feel free to contact the undersigned at (704) 283-9765 or Mr. Tony Bishop of Okeechobee Landfill, Inc. at (863) 357-0111 if you have any questions concerning this upcoming testing event.

Sincerely,

Kristofer L. Carlson, PE

Principal

Carlson Environmental Consultants, PC

cc:

Tony Bishop, OLI Jim Christiansen, OLI Jason Johns, OLI Jeff McNabb, CEC

3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

August 21, 2009

LABORATORY REPORT

Client:

Carlson Environmental Consultants Monroe

Work Order:

LSH0112

305 South Main Street

Project Name:

1011 Okeechobee Landfill

Monroe, NC 28112

Project Number:

[none]

Attn: Jeff McNabb

Date Received:

08/20/09

TestAmerica Los Angeles certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the Corrective Action Report. NELAC Certification Number for TestAmerica Los Angeles is E87652. The test results listed within this Laboratory Report pertain only to the samples tested in the laboratory. This Laboratory Report is confidential and is intended for the sole use of TestAmerica and its client. This report shall not be reproduced, except in full, without written permission from TestAmerica.

The Chain of Custody, I page, is included and is an integral part of this report. This entire report was reviewed and approved for release.

If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 714-258-8610.

Analyses included in this report were performed by the laboratory shown at the top of this report unless otherwise indicated.

Approved By:

Marisol Tabirara Project Manager

1 of 9

LSH0112



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street

Monroe, NC 28112 Jeff McNabb Work Order:

LSH0112

[none]

Received: Reported: 08/20/09 09:35

08/21/09 15:07

Project:

1011 Okeechobee Landfill

Project Number:

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION	<u>MATRIX</u>	CONTAINER TYPE
FLARE 1	LSH0112-01	08/19/09 15:49	Air	Tedlar Bag 1L
FLARE 2	LSH0112-02	08/19/09 16:01	Air	Tedlar Bag 1L



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Jeff McNabb Work Order:

LSH0112

Received:

08/20/09 09:35

Reported:

08/21/09 15:07

Project:

1011 Okeechobee Landfill

Project Number: [none]

ANALYTICAL REPORT

		Data			· · · · · · · · · · · · · · · · · · ·		QC		
Analyte	Result	Qualifiers	Units	RL	Dilution	Analyzed	Instrument	Analyst	Batch
Sample ID: LSH0112-01 (FLA EPA 15/16 - Sulfur Compounds	RE 1 - Air)				,	Samp	led: 08/19/09 1	5:49	
Hydrogen sulfide	1900		ppmv	250	2500	08/20/09 10:14	GC7	YZ	9H20002



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Jeff McNabb Work Order:

LSH0112

Received:

08/20/09 09:35

Reported:

08/21/09 15:07

Project:

1011 Okeechobee Landfill

Project Number: [none]

ANALYTICAL REPORT

		Data	1			Date	300		QC
Analyte	Result	Qualifiers	Units	RL	Dilution	Analyzed	Instrument	Analyst	Batch
Sample ID: LSH0112-02 (FLARE 2 - Air) EPA 15/16 - Sulfur Compounds						Samp	led: 08/19/09 1	6:01	
Hydrogen sulfide	2100		ppmv	250	2500	08/20/09 10:05	GC7	YZ	9H20002



3585 Cadillac Avenue, Suite A Costa Mesa, CA 92626 * 714-258-8610 * Fax 714-258-0921

Carlson Environmental Consultants Monroe

305 South Main Street Monroe, NC 28112 Jeff McNabb Work Order:

LSH0112

[none]

Received:

08/20/09 09:35

Reported:

08/21/09 15:07

Project:

1011 Okeechobee Landfill

Project Number:

PROJECT QUALITY CONTROL DATA

Blank

		Data				Date			QC
Analyte	Result	Qualifier	Units	RL	Dilution	Analyzed	Instrument	Analyst	Batch
Sample ID: 9H20002-BLK	1 (Blank - Air)								
EPA 15/16 - Sulfur Compo	ounds	•		-					
Hydrogen sulfide	ND		ppmv	0.10	. 1.00	08/20/09 8:00	GC7	YZ	9H20002



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Monroe, NC 28112 Jeff McNabb Work Order:

LSH0112

[none]

Received:

08/20/09 09:35

Reported:

08/21/09 15:07

Project:

1011 Okeechobee Landfill

Project Number:

PROJECT QUALITY CONTROL DATA

LCS

			Data				Spike		Target		Date	QC
Analyte		Result	Qualifiers	Units	RL	Dilution	Conc	% Rec	Range	Instrument	Analyzed	Batch
Sample ID: 9H20	002-BS1 (LCS - A	Air)					,					
EPA 15/16 - Sulfi	ur Compounds											
Hydrogen sulfide)	0.772		ppmv	0.10	1.00	0.980	79%	60 - 130	GC7	08/20/09 07:24	9H20002



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Received:

08/20/09 09:35

Reported:

08/21/09 15:07

Project:

1011 Okeechobee Landfill

Project Number:

iber: [none]

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Result	Data Qualifiers	Units	RL	Dilution	Spike Conc	% Rec	Target Range	RPD	Limit	Date Analyzed	QC Batch
Sample ID: 9H20002-BSD1 (L EPA 15/16 - Sulfur Compound	• ′											
Hydrogen sulfide	0.840		ppmv	0.10	1.00	0.980	86%	60 - 130	8	25	08/20/09 07:42	9H20002



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Monroe, NC 28112 Jeff McNabb Work Order:

LSH0112

Received:

08/20/09 09:35

Reported:

08/21/09 15:07

Project: 1011 Okeechobee Landfill

Project Number: [none]

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

8 of 9 LSH0112

TestAmerica Los Angeles

3585-A Cadillac Ave. Costa Mesa CA 92626

Canister Samples Chain of Custody Record



8-0921

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

CC
Contract

Client Contact Information	Project Man	ager: K(lis C,	A RLSOI	J	U	SHOIL	2_	-			\perp	of_		cocs				
Company: (ARLSON FNUIRON MENTAL	Phone:	704-2	83-9	765		Samples Co	liected By:	5	ETA	rl '	ν _υ ,) E S	<u> </u>						
Address: 305 Jouth Main STREET City/State/Zip monroe NC 28112				gma:1.	com									ê.	뤯				ê
Phone: 704-283-9765	Site Contac	t Tony	BISH	68								- 1	- 1	퓿				į	호
FAX: 704-283-9755	LAB Contac									1		- 1	- 1	8	孫開				8
Project Name: OkeEckogE5 425			Turnarou						1		1		-	Š			1		1
Site: Ohee Chorse Landfill		andard (Sp		<u> </u>								- 1		\$		ł			اچ
PO#	R	ush (Spec	dy)		<u></u>]				ı		8				i i	ğ,
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacoum in Field, "Hg (Start)	Canister Vecuum in Fleid, "Hg (Stop)	Flow Controller ID	TERAR BA 6 Canister ID	TO-18	TO-44A	10-3	EPA 3C	EPA 280	ASTM D-1948	Other (Please specify in notes section)	Sample Type Indoor Air	Ambiont Air	Soli Gas	Landiii Ges	Other (Please specify in notes section)
FLARE 1	8/19/09				MIA	NIA								X				X	
FLARE 2	8/17/09	1601	160 6	NIA	۱۸ الم	N/A								×		_		X	
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	_																		
			-	Temperatur	e (Fahrenhoi	0]											
		Interior		Ambient				4											
·	Ştart	<u> </u>		926				4											
	Stop		·····	92°	r nches of Hg)			+											
		interior		Ambient.	icates or rig;	1		-											
	Start							1											
	Stop					T		٦											
Special Instructions/QC Requirements & Commo	ents:	·						,								···			
TESTBOTH	TED	CAR	BAGS		METH	00 E	PA 19	5 [t	6	H.	zs								
Samples Shipped by: SETH NUNES	Date/Time:	8/19	100	1620	Samples	Received by	•									<u>-</u>			
Samples Relinquished by:	Date/Time:	20/09	093	<u> </u>	Receive	temp	graf.			•									
Relinquished by:	Date/Time				Receive	dreg:													