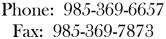


Texas Brine Company, LLC 1301 Highway 70

Belle Rose, LA 70341





July 3, 2013

Commissioner James H. Welsh P.O. Box 94275 Baton Rouge, LA 70804

RE: In response to State of Louisiana Department of Natural Resources Office of Conservation's Second Amendment to Declaration of Emergency and Directive

Commissioner Welsh,

In response to the Second Amendment and Declaration of Emergency and Directive order issued by the Louisiana Department of Natural Resources (LDNR), Office of Conservation on September 25, 2012, Texas Brine Company, LLC (TPC) understands the seven items listed in the document.

In the above mentioned, TBC was specifically directed and ordered to perform certain tasks outlined in the above mentioned document. Below are the required responses, as directed.

- 1. TBC's counsel provided LDNR legal counsel with a response to Directives 1-3 on September 28, 2012.
- 2. TBC understands Directive 4, which is to provide all daily logs and field notes from all contractors conducting investigation into subsidence and natural gas bubbling. The Daily Action Summary and results for current information can be found in the Attachment section of this report.
- 3. TBC understands Directive 5, which directs TBC to immediately allow for split or share any sample taken on site related to Well 3A (Serial Number 974265), the cavern, other wells facilities or other site locations. The Daily Action Summary of today's collection can be found in Attachment section of this report.
- 4. TBC understands Directive 6, which directs TBC to immediately report the results (final and preliminary) of any tests, logs samples or data collection performed on Well 3A, the cavern, other wells, facilities or site locations that indicate a change in any previously known conditions related to the investigation of the subsidence or natural gas bubbling

- events, and continue to report any such results. The Daily Action Summary and the Results related to this Directive can be found in Attachment section of this report.
- 5. TBC understands the Directive 7, which states that TBC will provide a daily summary of all tests, or logs performed or samples taken from Well 3A and the cavern as well as any results of those tests or logs, including preliminary as of September 25, 2012 and going forward. The Daily Summary and Results related to this Directive can be found in Attachment section of this report.

Please note that the drilling rig used for the Observation Well 3A has been removed and the site is being rigged down and returned to pre-drilling condition. As such, daily drilling reports for this well have ceased. Plans are being made for longer term potential gas venting/flaring requirements and possible hydrocarbon material recover from Well 3A.

In addition, previous daily summary reports issued to LDNR have included significant duplicate information as there is a fair amount of overlap in the information requested in each of the Directives included in the September 25, 2012 order. All requested information associated with the Directives issued in the September 25, 2012 order are included in the Attachment section of this report.

TBC believes that the submittal of this report satisfies the requirements of the Declaration of Emergency and Directive issued on September 25, 2012. As directed this report is submitted by email to <u>conservationorder@la.gov</u>, ref. "Emergency Declaration-Texas Brine Company LLC-9/25/2012.

Bruce E. Martin

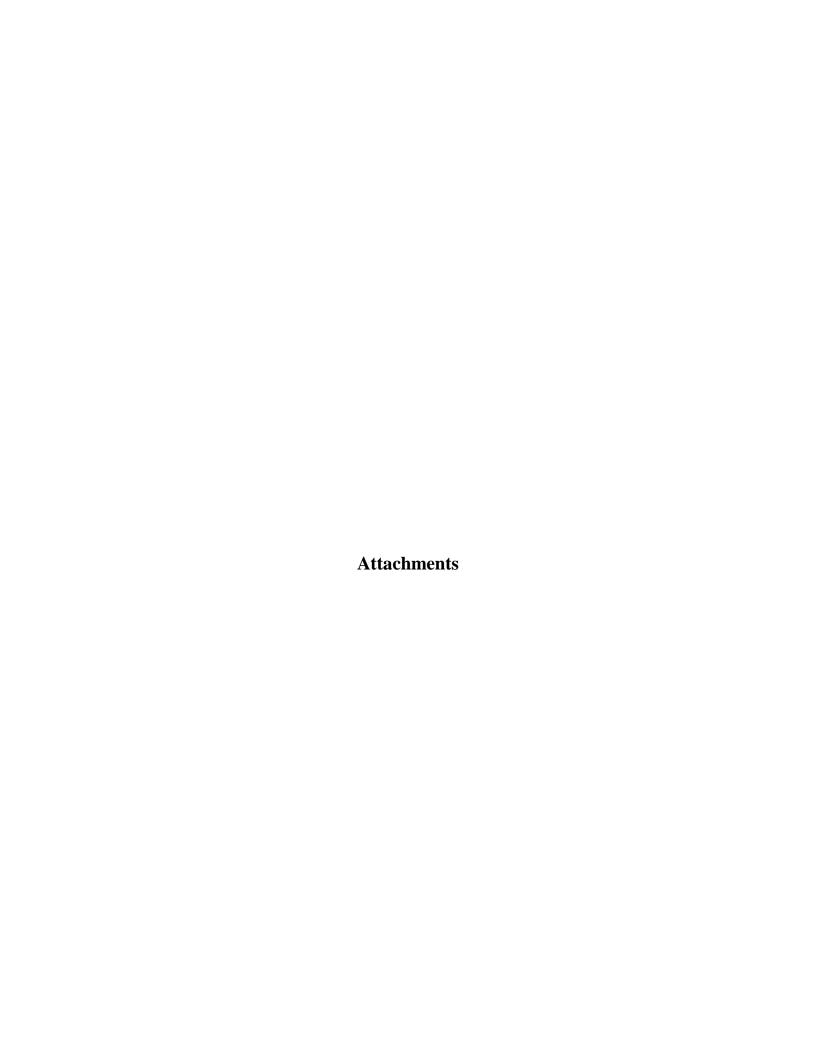
Vice President, Operations

Bana EMart

Texas Brine Company, LLC



			TBC Oxy Gran	nd Bayou Data Manager	ment-Enviro	onmental						
Contractor	Responsibilities	Coll	ected By	Date Collect	ed	Delivered to Lab	Results from Lab	Laboratory	Method	Date to Ag	gencies	
Sage	Stationary Air Monitoring		essy - 07:50 - 09:10 de Red) - 07:00 - 17:00	7/2/2013		NA	NA	NA	AreaRAE Monitors	7/3/20	013	
	Residential Air Monitoring	bimonthly reside Therefore, Sage v	equested to suspend ential air monitoring. will discontinue these tivities.	NA		NA	NA	NA	NA	NA		
	Gas Seep Sampling	NSDBS-	haughnessy -10 at 09:50 -47 at 10:30	6/6/2013		Yes	Yes	Isotech	Isotopic	7/3/20	013	
	Well Gas Sampling	No work	k performed	7/2/2013		NA	NA	NA	NA	NA		
	Under Slab Gas Sampling	No work	k performed	7/2/2013		NA	NA	NA	NA	NA		
	Indoor Air Monitoring	No work	k performed	7/2/2013		NA	NA	NA	NA	NA		
Respec	Inclinometers/Tilt Meters	7/2/2013	NA	NA	NA	NA	NA		NA NA	NA	NA	
	InSAR Reflector Installations	7/2/2013	NA	NA	NA	NA	NA		NA	NA	NA	
	Subsidence Survey-Fenstermaker	7/2/2013	NA	NA	NA	NA	NA		NA	NA	NA	
	Shallow Geophone Installation	7/2/2013	NA	NA	NA	NA	NA		NA	NA	NA	
	Deep Geophone Installation	7/2/2013	NA	NA	NA	NA	NA		NA	NA	NA	
	Amendment #3, Directive #2	7/2/2013	NA	NA	NA	NA	NA		NA	NA	NA	
	Expansion of geoprobe gas sampling locations	7/2/2013	NA	NA	NA	NA	NA		NA	NA	NA	
Miller	Weekly Stability Survey	No Wor	k Performed	July 2, 201	3	NA	NA	NA	NA	NA		
	Misc. Survey Work	No Wor	k Performed	July 2, 201	3	NA	NA	NA	NA	NA		
	Sinkhole Hydro/Perimeter Survey	No Wor	k Performed	July 2, 201	3	NA	NA	NA	NA	NA		
Pisani	Surface Water		NA	7/2/2013		NA	NA	NA	NA	NA		
	Industrial Well Water		NA	7/2/2013		NA	NA	NA	NA	NA	NA	
	MRAA Well Water		NA	7/2/2013		NA	NA	NA	NA	NA		
-	GP/ORW Water		NA	7/2/2013		NA	NA	NA	NA	NA		
-	Cavern Brine		NA	7/2/2013		NA	NA	NA	NA	NA		
ľ	Geoprobe Wells		NA	7/2/2013		NA	NA	NA	NA	NA		
				Grand Bayou Well	3A							
	Daily Operations at 3A					Summary of	Today's events					
						O	ку ЗА					
	7/3/2013	7am 589.22		7/3/2013								
		303.22		7/3/2013		Relie	f Well #1					
						. tene						
	7/3/2013					See ORW-01 F	lare Spreadsheet					



Daily Action Summary

July 2, 2013

Stationary Air Monitoring

- Steve Shaughnessy onsite from 07:50 to 09:10. Changed out the monitors between 08:17 and 08:52. Collected data from the monitoring database and forwarded to Eric Rucinski in the Baton Rouge office for processing.
- Pete Hyatt IV of Code Red (monitor sub-contractor) onsite from 07:00 to 17:00. Assisted in battery change outs and maintenance of the monitoring equipment.

Residential Air Monitoring

• Sage has been requested to suspend bimonthly residential air monitoring. Therefore, Sage will discontinue these activities. The last event was conducted on March 26, 2013.

Gas Seep Sampling

- Isotech provided the isotopic analytical results of the following gas seep samples collected on June 6, 2013 as part of the MRAA Sampling Program:
 - o NSDBS-10
 - o NSDBS-47
 - o NSDBS-56

Well Gas Sampling

• Not Scheduled

Under Slab Gas Sampling

Not Scheduled

Air Indoor Monitoring

• Not Scheduled

*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

		South	-most Pipelin	e Site			Middl	e-most Pipeli	ne Site			North	n-most Pipelin	e Site			So	outh of OG3A	A-1		Onsite Trailers					
			ST-3					ST-2b					ST-1					Pad #9			TR-1					
		Non-					Non-					Non-					Non-					Non-			ı	
		Methane					Methane					Methane					Methane					Methane			ı I	
Date-Time *	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)		CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	
07/02/2013 01:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	
07/02/2013 02:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	
07/02/2013 03:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	
07/02/2013 04:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	
07/02/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.1	
07/02/2013 06:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9	0.0	1.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.0	
07/02/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 08:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.4	<1.0	0.0	<1.0	<1.0	20.9	
07/02/2013 09:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.3	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 10:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.7	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 11:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	22.8	0.0	0.0	0.0	0.0	20.9	
07/02/2013 12:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	23.3	0.0	0.0	0.0	0.0	20.9	
07/02/2013 01:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	23.3	0.0	0.0	0.0	0.0	20.9	
07/02/2013 02:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	23.3	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 03:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	23.3	0.0	0.0	0.0	0.0	20.9	
07/02/2013 04:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	23.1	0.0	0.0	0.0	0.0	20.9	
07/02/2013 05:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 06:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	
07/02/2013 07:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	
07/02/2013 08:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	23.6	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 09:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	22.7	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 10:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.7	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 11:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	20.9	
07/03/2013 12:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9	

Notes:
RTU-13, located at Pad #9, recorded sporadic high O2 readings while deployed. Replacement O2 sensors have been received and will be installed as necessary.

Texas Brine - Belle Rose, Louisiana MRAA Sampling Events Isotopic Analytical Results

Lab#	360454				
Sample Name:	BS-10				
Date Sampled:	6/6/2013	12			
		¹³ C	D	¹⁴ C ₁	Tritium
Component	mol %	%o	%o	pMC	TU
Carbon Monoxide	nd				
Helium	nd				
Hydrogen	nd				
Argon	0.0908				
Oxygen	1.08				
Nitrogen	6.08				
Carbon Dioxide	4.34	-3.21			
Methane	88.39	-68.14	-217.0	35.1 ± 0.2	
Ethane	0.0105				
Ethylene	nd				
Propane	0.0030				
Propylene	nd				
Iso-butane	0.0007				
N-butane	0.0001				
Iso-pentane	nd				
N-pentane	nd				
Hexanes +	0.0003				
DTII/-£	906				
BTU/cf	896				
Specific gravity	0.628				
Lab #	360455				
Sample Name:	BS-56				
_					
Date Sampled:	6/6/7013				
Date Sampled:	6/6/2013	¹³ C	D	140	Tritium
_		¹³ C	D ov	¹⁴ C ₁	Tritium
Component	mol %	¹³ C %o	D %o	¹⁴ C ₁ pMC	Tritium TU
Component Carbon Monoxide	mol %		_		
Component Carbon Monoxide Helium	mol % nd nd		_		
Component Carbon Monoxide Helium Hydrogen	mol % nd nd nd		_		
Component Carbon Monoxide Helium Hydrogen Argon	mol % nd nd nd 0.0972		_		
Component Carbon Monoxide Helium Hydrogen Argon Oxygen	mol % nd nd nd 0.0972		_		
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen	mol % nd nd nd 0.0972 0.19 4.47	%o	_		
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide	mol % nd nd nd 0.0972 0.19 4.47 3.20	%o -8.19	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane	mol % nd nd 0.0972 0.19 4.47 3.20 91.69	%o -8.19 -65.76	_		
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266	%o -8.19	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane Ethylene	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266 nd	%o -8.19 -65.76	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane Ethylene Propane	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266 nd 0.0671	%o -8.19 -65.76	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane Ethylene Propane Propylene	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266 nd 0.0671 nd	%o -8.19 -65.76	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane Ethylene Propane Propylene Iso-butane	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266 nd 0.0671 nd 0.0150	%o -8.19 -65.76	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane Ethylene Propane Propylene Iso-butane N-butane	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266 nd 0.0671 nd 0.0150 0.0033	%o -8.19 -65.76	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane Ethylene Propane Propylene Iso-butane N-butane Iso-pentane	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266 nd 0.0671 nd 0.0150 0.0033 0.0002	%o -8.19 -65.76	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane Ethylene Propane Propylene Iso-butane N-butane	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266 nd 0.0671 nd 0.0150 0.0033 0.0002 nd	%o -8.19 -65.76	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane Ethylene Propane Propylene Iso-butane N-butane Iso-pentane N-pentane	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266 nd 0.0671 nd 0.0150 0.0033 0.0002	%o -8.19 -65.76	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane Ethylene Propane Propylene Iso-butane N-butane Iso-pentane N-pentane	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266 nd 0.0671 nd 0.0150 0.0033 0.0002 nd	%o -8.19 -65.76	%o	рМС	
Component Carbon Monoxide Helium Hydrogen Argon Oxygen Nitrogen Carbon Dioxide Methane Ethane Ethylene Propane Propylene Iso-butane N-butane Iso-pentane N-pentane Hexanes +	mol % nd nd nd 0.0972 0.19 4.47 3.20 91.69 0.266 nd 0.0671 nd 0.0150 0.0033 0.0002 nd 0.0003	%o -8.19 -65.76	%o	рМС	

Texas Brine - Belle Rose, Louisiana MRAA Sampling Events Isotopic Analytical Results

Lab # 360456 Sample Name: BS-47 Date Sampled: 6/6/2013

r		13 C	D	¹⁴ C₁	Tritium
G	1.07	Č	_	•	
Component	mol %	%o	%o	pMC	TU
Carbon Monoxide	nd				
Helium	nd				
Hydrogen	nd				
Argon	0.0223				
Oxygen	0.032				
Nitrogen	1.52				
Carbon Dioxide	1.76	-3.83			
Methane	93.21	-42.62	-156.4	0.9 ± 0.1	
Ethane	2.46	-26.90			
Ethylene	nd				
Propane	0.664	-23.11			
Propylene	nd				
Iso-butane	0.175				
N-butane	0.104				
Iso-pentane	0.0322				
N-pentane	0.0092				
Hexanes +	0.0085				
BTU/cf	1017				
Specific gravity	0.601				

*Time indicates start of time period (ex. 12:00:00 AM gives the time period 12:00:00 AM to 12:59:59 AM)

		South	-most Pipelii	ne Site			Middle	e-most Pipelii	ne Site		North-most Pipeline Site South of OG3A-1								Onsite Trailers							
			ST-3			ST-2b						ST-1						Pad #9				TR-1				
		Non-					Non-					Non-					Non-					Non-				
		Methane					Methane					Methane					Methane					Methane				
Date-Time *	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	
07/02/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.1	
07/02/2013 06:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9	0.0	1.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.0	
07/02/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 08:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.4	<1.0	0.0	<1.0	<1.0	20.9	
07/02/2013 09:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.3	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 10:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.7	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 11:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	22.8	0.0	0.0	0.0	0.0	20.9	
07/02/2013 12:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	23.3	0.0	0.0	0.0	0.0	20.9	
07/02/2013 01:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	23.3	0.0	0.0	0.0	0.0	20.9	
07/02/2013 02:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	23.3	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 03:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	23.3	0.0	0.0	0.0	0.0	20.9	
07/02/2013 04:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	23.1	0.0	0.0	0.0	0.0	20.9	
07/02/2013 05:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 06:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	
07/02/2013 07:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	
07/02/2013 08:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	23.6	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 09:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	22.7	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 10:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.7	0.0	0.0	<1.0	0.0	20.9	
07/02/2013 11:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	20.9	
07/03/2013 12:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9	
07/03/2013 01:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.0	0.0	<1.0	0.0	0.0	20.9	
07/03/2013 02:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	20.9	
07/03/2013 03:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	20.9	
07/03/2013 04:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	
07/03/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.4	0.0	<1.0	0.0	0.0	20.9	

Notes: RTU-13, located at Pad #9, recorded sporadic high O2 readings while deployed. Replacement O2 sensors have been received and will be installed as necessary.

ME&A Daily Action Summary

July 2, 2013

Subsidence Survey:

No Work Done

Sinkhole Perimeter/Hydrographic Survey:

No Work Done

Support Sinkhole Cleanup

No Work Done

Misc. Survey Work

No Work Done