Texas Brine Company, LLC
1301 Highway 70
Belle Rose, LA 70341
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November 11, 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 conservationorder@la.gov, ref. "Emergency Declaration-Texas Brine Company LLC-9/25/2012.

Bruce E. Martin

Vice President, Operations

Texas Brine Company, LLC

Summary Table for Daily Events

TBC Oxy Grand Bayou Data Management-Environmental										
Contractor	Responsibilities	Collected By		Date Collected		Delivered to Lab	Results from Lab	Laboratory	Method	Date to Agencies
Sage	Stationary Air Monitoring	Bijeet Mukherjee - 07:45 - 09:15, Roxana Dubose (Code Red) - 07:00 - 17:00; Bijeet Mukherjee - 07:25 - 08:30, Roxana Dubose (Code Red) - 07:00 - 11:00; Steven Shaughnessy - 07:50 - 09:00, Roxana Dubose (Code Red) - 07:00 - 11:00		11/8 - 11/10/2013		NA	NA	NA	AreaRAE Monitors	11/9- 11/11/2013
	Residential Air Monitoring	Sage has been requested to suspend bimonthly residential air monitoring. Therefore, Sage will discontinue these activities.		NA		NA	NA	NA	NA	NA
	Gas Seep Sampling	No work performed		11/8 - 11/10/2013		NA	NA	NA	NA	NA
	Well Gas Sampling	No work performed		11/8 - 11/10/2013		NA	NA	NA	NA	NA
	Under Slab Gas Sampling	No work performed		11/8 - 11/10/2013		NA	NA	NA	NA	NA
	Indoor Air Monitoring	No work performed		11/8 - 11/10/2013		NA	NA	NA	NA	NA
Respec	Inclinometers/Tilt Meters/Transducers	11/8 - 11/10/2213	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	InSAR Reflector Installations	11/8 - 11/10/2213	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Subsidence Survey-Fenstermaker	11/8 - 11/10/2213	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Shallow Geophone Installation	11/8 - 11/10/2213	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Deep Geophone Installation	11/8 - 11/10/2213	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Amendment #3, Directive #2	11/8 - 11/10/2213	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Expansion of geoprobe gas sampling locations	11/8 - 11/10/2213	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	DPVE	11/8 - 11/10/2213	demobilize equipment	Non-RESPEC Staff	NA	NA	NA	NA	NA	NA
	Abandon Casing Survey	11/8 - 11/10/2213	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	MIHPT	11/8 - 11/10/2213	No work Conducted	NA	NA	NA	NA	NA	NA	NA
Miller	Weekly Stability Survey	No Work Performed		11/8 - 11/10/2013		NA	NA	NA	NA	NA
	Misc. Survey Work	No Work Performed		11/8 - 11/10/2013		NA	NA	NA	NA	NA
	Sinkhole Hydro/Perimeter Survey	No Work Performed		11/8 - 11/10/2013		NA	NA	NA	NA	NA
Pisani	Surface Water	NA		11/8 - 11/10/2013		NA	NA	NA	NA	NA
	Sinkhole	NA		11/8 - 11/10/2013		NA	NA	NA	NA	NA
	Industrial Well Water	NA		11/8 - 11/10/2013		NA	NA	NA	NA	NA
	MRAA Well Water	ENK/PMR		11/7/2013		11/8/2013	NA	GCAL	Chloride, Bromide and Sulfate (Inorganic Anions) – SW-846 9056A, Conductivity – SM 2510B, TDS – SM 2540C, Cations/metals – SW-846 6010B, Carbonate & Bicarbonate Alkalinity – SM 2320B, BTEX – SW-846 8260B, TPH Fractions – TX 1006/LA 1006, and Dissolved Gases - RSK-175, PAH	NA
	GP/ORW Water	NA		11/8 - 11/10/2013		NA	NA	NA	NA	NA
	Cavern Water	NA		11/8 - 11/10/2013		NA	NA	NA	NA	NA
	Discharge/Outfall Water	NA		11/8 - 11/10/2013		NA	NA	NA	NA	
	Geoprobe Wells	NA		11/8 - 11/10/2013		NA	NA	NA	NA	NA

Grand Bayou Well 3A		
Daily Operations at 3A	Summary of Today's events	
	Oxy 3A	
11/9 - 11/11/2013	7am 763.59	11/9/2013
	7am 773.91	11/10/2013
	7am 778.83	11/11/2013
	Relief Well #1	
11/9 - 11/11/2013	See ORW-01 Flare Spreadsheet	

Attachments

Daily Action Summary

November 8, 2013

Stationary Air Monitoring

- Bijeet Mukherjee onsite from 07:45 to 09:15. Changed out the monitors between 08:01 and 08:51. Collected data from the monitoring database and forwarded to Eric Rucinski in the Baton Rouge office for processing.

- Roxana Dubose 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

- Not Scheduled

Well Gas Sampling

- Not Scheduled

Under Slab Gas Sampling

- Not Scheduled

Air Indoor Monitoring

- Not Scheduled

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data

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

	Observation Relief Well -5					Observation Relief Well - 9					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-5a					ORW-9					ORW-11a					Pad #9					TR-1				
Date-Time *	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
11/08/2013 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	0.0	<1.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9
11/08/2013 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	0.0	<1.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9
11/08/2013 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	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9
11/08/2013 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	0.0	<1.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9
11/08/2013 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	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9
11/08/2013 06:00:00 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	<1.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9
11/08/2013 07:00:00 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	20.7	<1.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9
11/08/2013 08:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.8	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 09:00:00 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	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 10:00:00 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	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 11:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 12:00:00 PM	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.0	<1.0	0.0	0.0	0.0	20.9
11/08/2013 01:00:00 PM	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.8	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 02:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.0	<1.0	0.0	0.0	0.0	20.9
11/08/2013 03:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9
11/08/2013 04:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	20.9
11/08/2013 05:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.7	0.0	0.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	21.1	<1.0	0.0	0.0	0.0	20.9
11/08/2013 06:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.0	<1.0	0.0	0.0	0.0	20.9
11/08/2013 07:00:00 PM	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 08:00:00 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	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 09:00:00 PM	0.0	0.0	0.0	0.0	21.1	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	20.9	<1.0	<1.0	0.0	0.0	20.9
11/08/2013 10:00:00 PM	0.0	0.0	0.0	0.0	21.0	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	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 11:00:00 PM	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	20.9	<1.0	0.0	0.0	0.0	20.9
11/09/2013 12:00:00 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	20.9	<1.0	0.0	0.0	0.0	20.9

Notes:

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data

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

	Observation Relief Well -5					Observation Relief Well - 9					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-5a					ORW-9					ORW-11a					Pad #9					TR-1				
Date-Time *	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
11/08/2013 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	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9
11/08/2013 06:00:00 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	<1.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9
11/08/2013 07:00:00 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	20.7	<1.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9
11/08/2013 08:00:00 AM	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.8	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 09:00:00 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	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 10:00:00 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	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 11:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 12:00:00 PM	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.0	<1.0	0.0	0.0	0.0	20.9
11/08/2013 01:00:00 PM	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.8	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 02:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.0	<1.0	0.0	0.0	0.0	20.9
11/08/2013 03:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9
11/08/2013 04:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	20.9
11/08/2013 05:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.7	0.0	0.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	21.1	<1.0	0.0	0.0	0.0	20.9
11/08/2013 06:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.0	<1.0	0.0	0.0	0.0	20.9
11/08/2013 07:00:00 PM	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 08:00:00 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	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 09:00:00 PM	0.0	0.0	0.0	0.0	21.1	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	20.9	<1.0	<1.0	0.0	0.0	20.9
11/08/2013 10:00:00 PM	0.0	0.0	0.0	0.0	21.0	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	20.9	<1.0	0.0	0.0	0.0	20.9
11/08/2013 11:00:00 PM	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	20.9	<1.0	0.0	0.0	0.0	20.9
11/09/2013 12:00:00 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	20.9	<1.0	0.0	0.0	0.0	20.9
11/09/2013 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	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/09/2013 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	20.9	<1.0	0.0	0.0	0.0	20.9
11/09/2013 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	20.9	<1.0	<1.0	0.0	0.0	20.9
11/09/2013 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	20.9	No Data Collected - Battery Malfunction				
11/09/2013 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	20.9					

Notes:
TR-1 experienced downtime beginning at approximately 04:03 AM on 11/09/2013 due to a battery malfunction with RTU-6. RTU-1 replaced RTU-6 at 07:54 AM on 11/09/2013, and normal data collection resumed.

Daily Action Summary

November 9, 2013

Stationary Air Monitoring

- Bijeet Mukherjee onsite from 07:25 to 08:30. Changed out the monitors between 07:50 and 08:18. Collected data from the monitoring database and forwarded to Steven Shaughnessy in the Baton Rouge office for processing.

- Roxana Dubose of Code Red (monitor sub-contractor) onsite from 07:00 to 11:00. Assisted in battery change outs and maintenance of the monitoring equipment.

NOTE: TR-1 experienced downtime beginning at approximately 04:03 on 11/09/2013 due to a battery malfunction with RTU-6. RTU-1 replaced RTU-6 at 07:54 on 11/09/2013, and normal data collection resumed.

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

- Not Scheduled

Well Gas Sampling

- Not Scheduled

Under Slab Gas Sampling

- Not Scheduled

Air Indoor Monitoring

- Not Scheduled

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data

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

	Observation Relief Well -5					Observation Relief Well - 9					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-5a					ORW-9					ORW-11a					Pad #9					TR-1				
Date-Time *	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
11/09/2013 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	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
11/09/2013 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	20.9	<1.0	0.0	0.0	0.0	20.9
11/09/2013 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	20.9	<1.0	<1.0	0.0	0.0	20.9
11/09/2013 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	20.9	No Data Collected - Battery Malfunction				
11/09/2013 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	20.9					
11/09/2013 06:00:00 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	20.9					
11/09/2013 07:00:00 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	20.9					
11/09/2013 08:00:00 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	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
11/09/2013 09:00:00 AM	0.0	0.0	0.0	0.0	21.0	0.0	<1.0	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	20.9
11/09/2013 10:00:00 AM	0.0	0.0	0.0	0.0	21.2	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	0.0	0.0	0.0	20.9
11/09/2013 11:00:00 AM	0.0	0.0	0.0	0.0	21.3	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	0.0	0.0	0.0	20.9
11/09/2013 12:00:00 PM	0.0	0.0	0.0	0.0	21.4	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	21.0	0.0	0.0	0.0	0.0	20.9
11/09/2013 01:00:00 PM	0.0	0.0	0.0	0.0	21.4	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	21.2	0.0	0.0	0.0	0.0	21.2
11/09/2013 02:00:00 PM	0.0	0.0	0.0	0.0	21.5	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	21.3	0.0	0.0	0.0	0.0	21.3
11/09/2013 03:00:00 PM	0.0	0.0	0.0	0.0	21.5	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	21.3	0.0	0.0	0.0	0.0	21.3
11/09/2013 04:00:00 PM	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.3
11/09/2013 05:00:00 PM	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.3
11/09/2013 06:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3
11/09/2013 07:00:00 PM	0.0	0.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/09/2013 08:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/09/2013 09:00:00 PM	0.0	0.0	0.0	0.0	21.1	0.0	1.2	0.0	0.0	20.9	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	21.2
11/09/2013 10:00:00 PM	0.0	0.0	0.0	0.0	21.1	0.0	1.7	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	21.2
11/09/2013 11:00:00 PM	0.0	0.0	0.0	0.0	21.1	0.0	1.9	0.0	0.0	20.9	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	21.2
11/10/2013 12:00:00 AM	0.0	0.0	0.0	0.0	21.1	0.0	1.9	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	21.2

Notes:
TR-1 experienced downtime beginning at approximately 04:03 AM on 11/09/2013 due to a battery malfunction with RTU-6. RTU-1 replaced RTU-6 at 07:54 AM on 11/09/2013, and normal data collection resumed.

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data

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

	Observation Relief Well -5					Observation Relief Well - 9					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-5a					ORW-9					ORW-11a					Pad #9					TR-1				
Date-Time *	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
11/09/2013 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	20.9	No Data Collected - Battery Malfunction				
11/09/2013 06:00:00 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	20.9					
11/09/2013 07:00:00 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	20.9					
11/09/2013 08:00:00 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	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
11/09/2013 09:00:00 AM	0.0	0.0	0.0	0.0	21.0	0.0	<1.0	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	20.9
11/09/2013 10:00:00 AM	0.0	0.0	0.0	0.0	21.2	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	0.0	0.0	0.0	20.9
11/09/2013 11:00:00 AM	0.0	0.0	0.0	0.0	21.3	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	0.0	0.0	0.0	20.9
11/09/2013 12:00:00 PM	0.0	0.0	0.0	0.0	21.4	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	21.0	0.0	0.0	0.0	0.0	20.9
11/09/2013 01:00:00 PM	0.0	0.0	0.0	0.0	21.4	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	21.2	0.0	0.0	0.0	0.0	21.2
11/09/2013 02:00:00 PM	0.0	0.0	0.0	0.0	21.5	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	21.3	0.0	0.0	0.0	0.0	21.3
11/09/2013 03:00:00 PM	0.0	0.0	0.0	0.0	21.5	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	21.3	0.0	0.0	0.0	0.0	21.3
11/09/2013 04:00:00 PM	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.3
11/09/2013 05:00:00 PM	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.3
11/09/2013 06:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3
11/09/2013 07:00:00 PM	0.0	0.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/09/2013 08:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/09/2013 09:00:00 PM	0.0	0.0	0.0	0.0	21.1	0.0	1.2	0.0	0.0	20.9	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	21.2
11/09/2013 10:00:00 PM	0.0	0.0	0.0	0.0	21.1	0.0	1.7	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	21.2
11/09/2013 11:00:00 PM	0.0	0.0	0.0	0.0	21.1	0.0	1.9	0.0	0.0	20.9	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	21.2
11/10/2013 12:00:00 AM	0.0	0.0	0.0	0.0	21.1	0.0	1.9	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	21.2
11/10/2013 01:00:00 AM	0.0	0.0	0.0	0.0	21.1	0.0	138.3	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
11/10/2013 02:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	152.4	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	0.0	0.0	0.0	21.1
11/10/2013 03:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	109.6	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	0.0	0.0	0.0	21.1
11/10/2013 04:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	105.5	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	0.0	0.0	0.0	21.1
11/10/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	127.3	0.0	0.0	20.9	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	21.0

Notes:
TR-1 experienced downtime beginning at approximately 04:03 AM on 11/09/2013 due to a battery malfunction with RTU-6. RTU-1 replaced RTU-6 at 07:54 AM on 11/09/2013, and normal data collection resumed.
RTU-9, located at ORW-9, began recording elevated VOC readings at approximately 01:25 AM on 11/10/2013. RTU-4 replaced RTU-9 at 08:38 AM on 11/10/2013, and VOC readings returned to 0 ppm. RTU-9 will be inspected and serviced by the onsite technician. Additionally, new monitoring units are scheduled to be delivered to the site on 11/11/2013.

Daily Action Summary

November 10, 2013

Stationary Air Monitoring

- Steven Shaughnessy onsite from 07:50 to 09:00. Changed out the monitors between 08:20 and 08:38. Collected data from the monitoring database and forwarded to Eric Rucinski in the Baton Rouge office for processing.

- Roxana Dubose of Code Red (monitor sub-contractor) onsite from 07:00 to 11:00. Assisted in battery change outs and maintenance of the monitoring equipment.

NOTE: RTU-9, located at ORW-9, began recording elevated VOC readings at approximately 01:25 on 11/10/2013. RTU-4 replaced RTU-9 at 08:38 on 11/10/2013, and VOC readings returned to 0 ppm. RTU-9 will be inspected and serviced by the onsite technician. Additionally, new monitoring units are being delivered to the site on 11/11/2013.

RTU-14, located at ORW-5a, began recording elevated LEL readings at approximately 12:47 on 11/11/2013. LEL readings returned to 0% at approximately 07:36 on 11/11/2013. The maximum instantaneous LEL reading recorded was 6.2%.

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

- Not Scheduled

Well Gas Sampling

- Not Scheduled

Under Slab Gas Sampling

- Not Scheduled

Air Indoor Monitoring

- Not Scheduled

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data

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

	Observation Relief Well -5					Observation Relief Well - 9					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-5a					ORW-9					ORW-11a					Pad #9					TR-1				
Date-Time *	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
11/10/2013 01:00:00 AM	0.0	0.0	0.0	0.0	21.1	0.0	138.3	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
11/10/2013 02:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	152.4	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	0.0	0.0	0.0	21.1
11/10/2013 03:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	109.6	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	0.0	0.0	0.0	21.1
11/10/2013 04:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	105.5	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	0.0	0.0	0.0	21.1
11/10/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	127.3	0.0	0.0	20.9	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	21.0
11/10/2013 06:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	134.6	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	0.0	0.0	0.0	21.0
11/10/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	134.6	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	0.0	0.0	0.0	20.9
11/10/2013 08:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	42.4	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	0.0	<1.0	0.0	20.9
11/10/2013 09:00:00 AM	0.0	0.0	<1.0	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	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 10:00:00 AM	0.0	0.0	<1.0	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	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 11:00:00 AM	<1.0	0.0	<1.0	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	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 12:00:00 PM	0.0	0.0	<1.0	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	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 01:00:00 PM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.5	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 02:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.5	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.0	0.0	0.0	<1.0	0.0	20.9
11/10/2013 03:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.6	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1	0.0	0.0	<1.0	0.0	20.9
11/10/2013 04:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.1	0.0	0.0	<1.0	0.0	20.9
11/10/2013 05:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.0	0.0	0.0	<1.0	0.0	20.9
11/10/2013 06:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.0	0.0	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	20.9
11/10/2013 07:00:00 PM	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	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 08:00:00 PM	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	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.0
11/10/2013 09:00:00 PM	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	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
11/10/2013 10:00:00 PM	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	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 11:00:00 PM	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	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/11/2013 12:00:00 AM	0.0	0.0	0.0	<1.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9

Notes:
RTU-9, located at ORW-9, began recording elevated VOC readings at approximately 01:25 AM on 11/10/2013. RTU-4 replaced RTU-9 at 08:38 AM on 11/10/2013, and VOC readings returned to 0 ppm. RTU-9 will be inspected and serviced by the onsite technician. Additionally, new monitoring units are being delivered to the site on 11/11/2013.

RTU-14, located at ORW-5a, began recording elevated LEL readings at approximately 12:47 AM on 11/11/2013. LEL readings returned to 0% at approximately 07:36 AM on 11/11/2013. The maximum instantaneous LEL reading recorded was 6.2%.

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data

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

	Observation Relief Well -5					Observation Relief Well - 9					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-5a					ORW-9					ORW-11a					Pad #9					TR-1				
Date-Time *	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	Non-Methane VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
11/10/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	127.3	0.0	0.0	20.9	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	21.0
11/10/2013 06:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	134.6	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	0.0	0.0	0.0	21.0
11/10/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	134.6	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	0.0	0.0	0.0	20.9
11/10/2013 08:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	42.4	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	0.0	<1.0	0.0	20.9
11/10/2013 09:00:00 AM	0.0	0.0	<1.0	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	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 10:00:00 AM	0.0	0.0	<1.0	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	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 11:00:00 AM	<1.0	0.0	<1.0	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	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 12:00:00 PM	0.0	0.0	<1.0	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	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 01:00:00 PM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.5	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 02:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.5	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.0	0.0	0.0	<1.0	0.0	20.9
11/10/2013 03:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.6	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1	0.0	0.0	<1.0	0.0	20.9
11/10/2013 04:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.1	0.0	0.0	<1.0	0.0	20.9
11/10/2013 05:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.0	0.0	0.0	<1.0	0.0	20.9
11/10/2013 06:00:00 PM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.0	0.0	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	20.9
11/10/2013 07:00:00 PM	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	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 08:00:00 PM	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	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.0
11/10/2013 09:00:00 PM	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	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
11/10/2013 10:00:00 PM	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	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/10/2013 11:00:00 PM	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	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/11/2013 12:00:00 AM	0.0	0.0	0.0	<1.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
11/11/2013 01:00:00 AM	0.0	0.0	0.0	3.4	20.9	0.0	0.0	0.0	0.0	20.7	0.0	<1.0	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
11/11/2013 02:00:00 AM	0.0	0.0	0.0	4.0	20.9	0.0	0.0	0.0	0.0	20.6	0.0	<1.0	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
11/11/2013 03:00:00 AM	0.0	0.0	0.0	4.7	20.9	<1.0	0.0	0.0	0.0	20.6	0.0	<1.0	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
11/11/2013 04:00:00 AM	0.0	0.0	0.0	5.1	20.9	0.0	0.0	0.0	0.0	20.6	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/11/2013 05:00:00 AM	0.0	0.0	0.0	5.5	20.9	<1.0	0.0	0.0	0.0	20.6	0.0	<1.0	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

Notes:
RTU-9, located at ORW-9, began recording elevated VOC readings at approximately 01:25 AM on 11/10/2013. RTU-4 replaced RTU-9 at 08:38 AM on 11/10/2013, and VOC readings returned to 0 ppm. RTU-9 will be inspected and serviced by the onsite technician. Additionally, new monitoring units are being delivered to the site on 11/11/2013.

RTU-14, located at ORW-5a, began recording elevated LEL readings at approximately 12:47 AM on 11/11/2013. LEL readings returned to 0% at approximately 07:36 AM on 11/11/2013. The maximum instantaneous LEL reading recorded was 6.2%.

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: David Gnage

Company: RESPEC

Date: 11/10/13

Job #: 02241

Personnel	Company	Job Title

Time Onsite: Start Time: NA End Time: NA

DAILY ACTIVITY:

No Field Work Conducted. RESPEC was not on-site

DPVE pilot program:
RESPEC's subcontractors continue to demobilize equipment from NSDBS#47 pilot study site as transport is available, without RESPEC present.

Instrumentation Program:
No Work Conducted.

Other Programs:
No Work Conducted.

PROPOSED SCHEDULE:

DPVE pilot program:
RESPEC's subcontractors will continue to demobilize equipment from NSDBS#47 pilot study site as transport is available.

Instrumentation Program:
No Work Currently Scheduled.

Other Programs:
No Work Currently Scheduled.

Initials: DJG

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: David Gnage

Company: RESPEC

Date: 11/8/13

Job #: 02241

Personnel	Company	Job Title

Time Onsite: Start Time: NA End Time: NA

DAILY ACTIVITY:

No Field Work Conducted. RESPEC was not on-site

DPVE pilot program:
RESPEC's subcontractors continue to demobilize equipment from NSDBS#47 pilot study site as transport is available, without RESPEC present.

Instrumentation Program:
No Work Conducted.

Other Programs:
No Work Conducted.

PROPOSED SCHEDULE:

DPVE pilot program:
RESPEC's subcontractors will continue to demobilize equipment from NSDBS#47 pilot study site as transport is available.

Instrumentation Program:
No Work Currently Scheduled.

Other Programs:
No Work Currently Scheduled.

Initials: DJG

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: David Gnage

Company: RESPEC

Date: 11/9/13

Job #: 02241

Personnel	Company	Job Title

Time Onsite: Start Time: NA End Time: NA

DAILY ACTIVITY:

No Field Work Conducted. RESPEC was not on-site

DPVE pilot program:
RESPEC's subcontractors continue to demobilize equipment from NSDBS#47 pilot study site as transport is available, without RESPEC present.

Instrumentation Program:
No Work Conducted.

Other Programs:
No Work Conducted.

PROPOSED SCHEDULE:

DPVE pilot program:
RESPEC's subcontractors will continue to demobilize equipment from NSDBS#47 pilot study site as transport is available.

Instrumentation Program:
No Work Currently Scheduled.

Other Programs:
No Work Currently Scheduled.

Initials: DJG

Michael Pisani & Associates

Texas Brine, L.L.C.
Assumption Parish, Louisiana
Daily Field Report

Report By: Patrick Ritchie Date: 11/10/2013
Company: MP&A Work Order # 80-05

Health and Safety Meeting [y] YES [ ] NO

Weather:

Personnel	Company	Job Title

Site Activities: Start Time _____ End Time _____

Equipment On-site:

Daily Activity:
NO FIELD ACTIVITIES

Estimated time of completion:
On-going

Proposed schedule:
Conduct in-situ monitoring of industrial water wells
Measure water level for the industrial water wells and MRAA wells
Measure pressure and water level at TBC Geoprobe locations
Collect laboratory samples from the industrial water wells
Observe, video, measure bubble sites
Download transucer data

Estimated time of completion:
On-going

Initials: PMR

Michael Pisani & Associates

Texas Brine, L.L.C.
Assumption Parish, Louisiana
Daily Field Report

Report By: Patrick Ritchie Date: 11/7/2013
Company: MP&A Work Order # 80-05

Health and Safety Meeting [y] YES [ ] NO

Weather: 80 F Mostly Sunny

Personnel	Company	Job Title
Patrick Ritchie	MP&A	Environmental Scientist
Charles Trahan	MP&A	Geologist
Eric Kocken	MP&A	Environmental Scientist

Site Activities: Start Time 6:50 End Time 16:30

Equipment On-site:
Sonic rig
Trailer with poly water tank
Vac truck

Daily Activity:
Grouted MRAA-2S.
Set up at MRAA-4D location.
Advance 8 5/8" surface casing to 80' bgs.
Collect laboratory samples from MRAA water wells

Estimated time of completion:
On-going

Proposed schedule:
Conduct in-situ monitoring of industrial water wells
Measure water level for the industrial water wells and MRAA wells
Measure pressure and water level at TBC Geoprobe locations
Collect laboratory samples from the industrial water wells
Observe, video, measure bubble sites
Download transucer data

Estimated time of completion:
On-going

Initials: PMR

Michael Pisani & Associates

Texas Brine, L.L.C.
Assumption Parish, Louisiana
Daily Field Report

Report By: Patrick Ritchie Date: 11/8/2013
Company: MP&A Work Order # 80-05

Health and Safety Meeting [y] YES [ ] NO

Weather: 72 F Clear Sunny

Personnel	Company	Job Title
Patrick Ritchie	MP&A	Environmental Scientist
Charles Trahan	MP&A	Geologist

Site Activities: Start Time 6:55 End Time 12:45

Equipment On-site:
Sonic rig
Trailer with poly water tank
Vac truck

Daily Activity:
Advanced 8 5/8" surface casing with grout from 80' to 160' bgs at MRAA-4D location.
Placed grout cap at top of surface casing.
Collect laboratory samples from MRAA water wells
Deliver laboratory samples to GCAL in BR

Estimated time of completion:
On-going

Proposed schedule:
Conduct in-situ monitoring of industrial water wells
Measure water level for the industrial water wells and MRAA wells
Measure pressure and water level at TBC Geoprobe locations
Collect laboratory samples from the industrial water wells
Observe, video, measure bubble sites
Download transucer data

Estimated time of completion:
On-going

Initials: PMR

Michael Pisani & Associates

Texas Brine, L.L.C.
Assumption Parish, Louisiana
Daily Field Report

Report By: Patrick Ritchie Date: 11/9/2013
Company: MP&A Work Order # 80-05

Health and Safety Meeting [y] YES [ ] NO

Weather:

Personnel	Company	Job Title

Site Activities: Start Time _____ End Time _____

Equipment On-site:

Daily Activity:
NO FIELD ACTIVITIES

Estimated time of completion:
On-going

Proposed schedule:
Conduct in-situ monitoring of industrial water wells
Measure water level for the industrial water wells and MRAA wells
Measure pressure and water level at TBC Geoprobe locations
Collect laboratory samples from the industrial water wells
Observe, video, measure bubble sites
Download transucer data

Estimated time of completion:
On-going

Initials: PMR