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Responsible Care®
Good Chemistry at Work

September 16, 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	Steven Shaughnessy - 08:15 - 10:00, Darlene McManus (Code Red) - 07:00 - 17:00; Eric Rucinski- 07:20 - 08:30, Darlene McManus (Code Red) - 07:00 - 11:00; Eric Rucinski- 07:45 - 09:45, Darlene McManus (Code Red) - 07:00 - 11:00		9/13 - 9/15/2013		NA	NA	NA	AreaRAE Monitors	9/14- 9/16/2013
	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		9/13 - 9/15/2013		NA	NA	NA	NA	NA
	Well Gas Sampling	No work performed		9/13 - 9/15/2013		NA	NA	NA	NA	NA
	Under Slab Gas Sampling	No work performed		9/13 - 9/15/2013		NA	NA	NA	NA	NA
	Indoor Air Monitoring	No work performed		9/13 - 9/15/2013		NA	NA	NA	NA	NA
Respec	Inclinometers/Tilt Meters/Transducers	9/13 - 9/15/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	InSAR Reflector Installations	9/13 - 9/15/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Subsidence Survey-Fenstermaker	9/13 - 9/15/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Shallow Geophone Installation	9/13 - 9/15/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Deep Geophone Installation	9/13 - 9/15/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Amendment #3, Directive #2	9/13 - 9/15/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Expansion of geoprobe gas sampling locations	9/13 - 9/15/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	DPVE Pilot Test	9/13/2013	Begin breakdown DPVE system for movement to BS47; located wells for Community DPVE systems	P. Smith	NA	NA	NA	NA	NA	NA
	MIHPT	9/13/2013	Oversaw the installation of MiHPT-CPT52 and rod and line maintenance.	D. Gnage	NA	NA	NA	NA	NA	NA
Miller	Weekly Stability Survey	No Work Performed		9/13 - 9/15/2013		NA	NA	NA	NA	NA
	Misc. Survey Work	Herschel Sauce		September 13, 2013		NA	NA	NA	NA	NA
	Sinkhole Hydro/Perimeter Survey	No Work Performed		9/13 - 9/15/2013		NA	NA	NA	NA	NA
Pisani	Surface Water	NA		9/13 - 9/15/2013		NA	NA	NA	NA	NA
	Industrial Well Water	NA		9/13 - 9/15/2013		NA	NA	NA	NA	NA
	MRAA Well Water	PMR		9/10-12/2013		9/13/2013	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		9/13 - 9/15/2013		NA	NA	NA	NA	NA
	Cavern Water	NA		9/13 - 9/15/2013		NA	NA	NA	NA	
	Geoprobe Wells	NA		9/13 - 9/15/2013		NA	NA	NA	NA	
	Soil	RCT		9/5-6/2013		9/13/2013	NA	GCAL/Ardamann	Grain Size, Soil Classification, FOC	NA

Grand Bayou Well 3A		
Daily Operations at 3A	Summary of Today's events	
	Oxy 3A	
9/14 - 9/16/2013	7am 689.77	9/14/2013
	7am 692.11	9/15/2013
	7am 622.73	9/16/2013
	Relief Well #1	
9/14 - 9/16/2013	See ORW-01 Flare Spreadsheet	

Attachments

Daily Action Summary

September 13, 2013

Stationary Air Monitoring

- Steven Shaughnessy onsite from 08:15 to 10:00. Changed out the monitors between 08:16 and 09:44. Collected data from the monitoring database and forwarded to Eric Rucinski in the Baton Rouge office for processing.

- Darlene McManus 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 -7					Observation Relief Well - 8					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-7					ORW-8					ORW-11					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 (%)
09/13/2013 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	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9
09/13/2013 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	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 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	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 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	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 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	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 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	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 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	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 08:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.7	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
09/13/2013 09:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.7	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 10:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.6	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 11:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.1	<1.0	0.0	0.0	0.0	20.7	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 12:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.4	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 01:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.5	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 02:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.5	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 03:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.5	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 04:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.5	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
09/13/2013 05:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.6	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
09/13/2013 06:00:00 PM	0.0	0.0	<1.0	0.0	21.0	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 07:00:00 PM	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 08:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 09:00:00 PM	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 10:00:00 PM	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 11:00:00 PM	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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 12:00:00 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	<1.0	0.0	20.9	0.0	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 -7					Observation Relief Well - 8					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-7					ORW-8					ORW-11					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 (%)
09/13/2013 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	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 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	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 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	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 08:00:00 AM	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.7	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
09/13/2013 09:00:00 AM	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.7	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 10:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.6	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 11:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.1	<1.0	0.0	0.0	0.0	20.7	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 12:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.4	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 01:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.5	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 02:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.5	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 03:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.5	0.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 04:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.5	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
09/13/2013 05:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.6	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
09/13/2013 06:00:00 PM	0.0	0.0	<1.0	0.0	21.0	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 07:00:00 PM	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/13/2013 08:00:00 PM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 09:00:00 PM	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 10:00:00 PM	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/13/2013 11:00:00 PM	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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 12:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 01:00:00 AM	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/14/2013 02:00:00 AM	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 03:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 04:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	Downtime - Battery Malfunction					0.0	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/14/2013 05:00:00 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	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9

Notes:
RTU-3 experienced a battery malfunction at approximately 02:53 AM on 09/14/2013, causing downtime at ORW-11. RTU-2 replaced RTU-3 at 08:09 AM on 09/14/2013, and normal data collection resumed.

Daily Action Summary

September 14, 2013

Stationary Air Monitoring

- Eric Rucinski onsite from 07:20 to 08:30. Changed out the monitors between 08:02 and 08:11. Collected data from the monitoring database and forwarded to Steven Shaughnessy in the Baton Rouge office for processing.

- Darlene McManus 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-3 experienced a battery malfunction at approximately 02:53 on 09/14/2013, causing downtime at ORW-11. RTU-2 replaced RTU-3 at 08:09 on 09/14/2013, 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 -7					Observation Relief Well - 8					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-7					ORW-8					ORW-11					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 (%)
09/14/2013 01:00:00 AM	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/14/2013 02:00:00 AM	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 03:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 04:00:00 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	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/14/2013 05:00:00 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	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/14/2013 06:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 07:00:00 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	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/14/2013 08:00:00 AM	0.0	0.0	<1.0	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	0.0	0.0	0.0	0.0	20.9
09/14/2013 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	0.0	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9
09/14/2013 10:00:00 AM	0.0	0.0	0.0	0.0	20.7	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	20.6	0.0	0.0	0.0	0.0	20.9
09/14/2013 11:00:00 AM	0.0	0.0	0.0	0.0	20.6	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	20.6	0.0	0.0	0.0	0.0	20.9
09/14/2013 12:00:00 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	0.0	<1.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9
09/14/2013 01:00:00 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	0.0	<1.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9
09/14/2013 02:00:00 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	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 03:00:00 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	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 04:00:00 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	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 05:00:00 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	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 06:00:00 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	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 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	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
09/14/2013 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	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
09/14/2013 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	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
09/14/2013 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	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
09/14/2013 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	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9

Downtime - Battery Malfunction

Notes:
RTU-3 experienced a battery malfunction at approximately 02:53 AM on 09/14/2013, causing downtime at ORW-11. RTU-2 replaced RTU-3 at 08:09 AM on 09/14/2013, 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 -7					Observation Relief Well - 8					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-7					ORW-8					ORW-11					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 (%)
09/14/2013 05:00:00 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	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/14/2013 06:00:00 AM	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	Downtime - Battery Malfunction					0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 07:00:00 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	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9
09/14/2013 08:00:00 AM	0.0	0.0	<1.0	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	0.0	0.0	0.0	0.0	20.9
09/14/2013 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	0.0	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9
09/14/2013 10:00:00 AM	0.0	0.0	0.0	0.0	20.7	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	20.6	0.0	0.0	0.0	0.0	20.9
09/14/2013 11:00:00 AM	0.0	0.0	0.0	0.0	20.6	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	20.6	0.0	0.0	0.0	0.0	20.9
09/14/2013 12:00:00 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	0.0	<1.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9
09/14/2013 01:00:00 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	0.0	<1.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9
09/14/2013 02:00:00 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	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 03:00:00 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	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 04:00:00 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	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 05:00:00 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	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 06:00:00 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	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/14/2013 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	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
09/14/2013 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	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
09/14/2013 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	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
09/14/2013 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	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
09/14/2013 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	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	20.9	0.0	0.0	0.0	0.0	20.9

Notes:
RTU-3 experienced a battery malfunction at approximately 02:53 AM on 09/14/2013, causing downtime at ORW-11. RTU-2 replaced RTU-3 at 08:09 AM on 09/14/2013, and normal data collection resumed.

Daily Action Summary

September 15, 2013

Stationary Air Monitoring

- Eric Rucinski onsite from 07:45 to 09:45. Changed out the monitors between 08:19 and 09:23. Collected data from the monitoring database and forwarded to Steven Shaughnessy in the Baton Rouge office for processing.

- Darlene McManus 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: Sage personnel relocated ORW-7, ORW-8, and ORW-11 to ORW-7a, ORW-8a, and ORW-11a, respectively, in an effort to establish more secure monitoring locations. The new monitoring locations are detailed below:

Monitoring Location	Longitude	Latitude
ORW- 7a	91° 8'44.41"W	30° 0'39.31"N
ORW-8a	91° 8'41.89"W	30° 0'43.42"N
ORW-11a	91° 8'40.52"W	30° 0'47.99"N

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

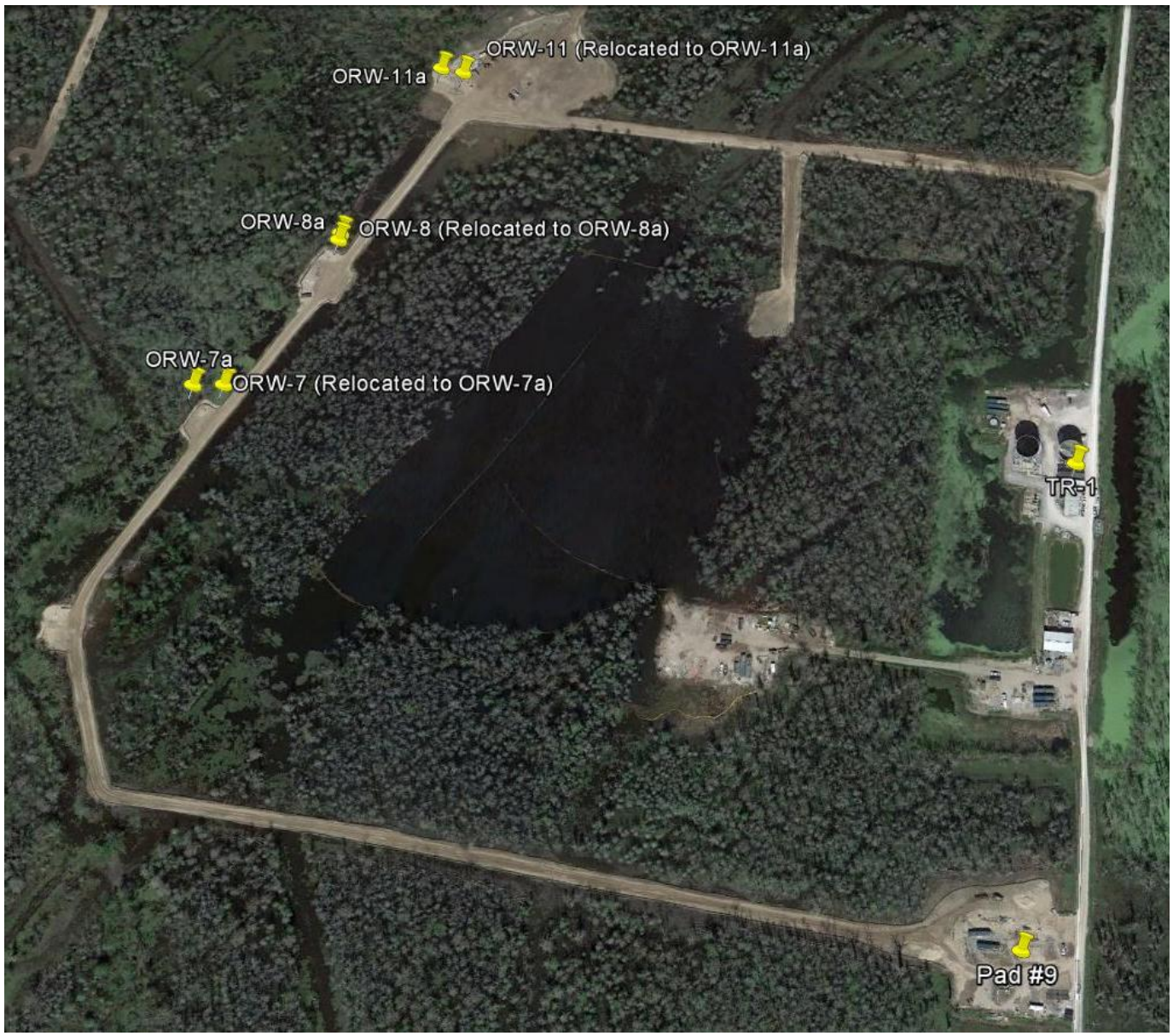
- Not Scheduled

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 -7					Observation Relief Well -7					Observation Relief Well - 8					Observation Relief Well - 8					Observation Relief Well -11					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-7					ORW-7a					ORW-8					ORW-8a					ORW-11					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 (%)	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 (%)
09/15/2013 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 04:00:00 AM	0.0	0.0	0.0	0.0	20.9	Data collection at ORW-7a began at 08:33 AM on 09/15/2013					0.0	0.0	0.0	0.0	20.9	Data collection at ORW-8a began at 08:30 AM on 09/15/2013					0.0	0.0	0.0	0.0	20.9	Data collection at ORW-11a began at 08:24 AM on 09/15/2013					0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 07:00:00 AM	0.0	<1.0	0.0	0.0	20.9						<1.0	<1.0	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
09/15/2013 08:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	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	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 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	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.8	<1.0	0.0	0.0	0.0	20.9
09/15/2013 10:00:00 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	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 11:00:00 AM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	<1.0	0.0	21.1						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 12:00:00 PM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	<1.0	0.0	21.3						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 01:00:00 PM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	<1.0	0.0	21.3						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 02:00:00 PM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	<1.0	0.0	21.4						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 03:00:00 PM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	0.0	0.0	21.4						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 04:00:00 PM	Data collection at ORW-7 stopped at 08:38 AM on 09/15/2013; monitoring location relocated to ORW-7a					0.0	0.0	<1.0	0.0	20.9	Data collection at ORW-8 stopped at 08:39 AM on 09/15/2013; monitoring location relocated to ORW-8a					0.0	0.0	0.0	0.0	21.4	Data collection at ORW-11 stopped at 08:22 AM on 09/15/2013; monitoring location relocated to ORW-11a					0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 05:00:00 PM						0.0	0.0	<1.0	0.0	21.1						0.0	0.0	0.0	0.0	21.4						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 06:00:00 PM						0.0	0.0	<1.0	0.0	21.0						0.0	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	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 07:00:00 PM						0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 08:00:00 PM						0.0	0.0	<1.0	0.0	21.2						0.0	0.0	0.0	0.0	21.2						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 09:00:00 PM						0.0	0.0	<1.0	0.0	21.0						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	<1.0	0.0	0.0	0.0	20.9
09/15/2013 10:00:00 PM						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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 11:00:00 PM						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	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/16/2013 12:00:00 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	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9

Notes:
Sage personnel relocated ORW-7, ORW-8, and ORW-11 to ORW-7a, ORW-8a, and ORW-11a, respectively, in an effort to establish more secure monitoring locations.



Monitor Locations

September 15, 2013

SAGE
ENVIRONMENTAL CONSULTING

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 -7					Observation Relief Well -7					Observation Relief Well - 8					Observation Relief Well - 8					Observation Relief Well -11					Observation Relief Well -11					South of OG3A-1					Onsite Trailers				
	ORW-7					ORW-7a					ORW-8					ORW-8a					ORW-11					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 (%)	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 (%)
09/15/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.9	Data collection at ORW-7a began at 08:33 AM on 09/15/2013					0.0	0.0	0.0	0.0	20.9	Data collection at ORW-8a began at 08:30 AM on 09/15/2013					0.0	0.0	0.0	0.0	20.9	Data collection at ORW-11a began at 08:24 AM on 09/15/2013					0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 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	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 07:00:00 AM	0.0	<1.0	0.0	0.0	20.9						<1.0	<1.0	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
09/15/2013 08:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 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	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.8	<1.0	0.0	0.0	0.0	20.9
09/15/2013 10:00:00 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	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 11:00:00 AM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	<1.0	0.0	21.1						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 12:00:00 PM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	<1.0	0.0	21.3						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 01:00:00 PM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	<1.0	0.0	21.3						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 02:00:00 PM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	<1.0	0.0	21.4						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 03:00:00 PM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	0.0	0.0	21.4						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 04:00:00 PM						0.0	0.0	<1.0	0.0	20.9						0.0	0.0	0.0	0.0	21.4						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 05:00:00 PM						0.0	0.0	<1.0	0.0	21.1						0.0	0.0	0.0	0.0	21.4						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 06:00:00 PM	Data collection at ORW-7 stopped at 08:38 AM on 09/15/2013; monitoring location relocated to ORW-7a					0.0	0.0	<1.0	0.0	21.0	Data collection at ORW-8 stopped at 08:39 AM on 09/15/2013; monitoring location relocated to ORW-8a					0.0	0.0	0.0	0.0	21.3	Data collection at ORW-11 stopped at 08:22 AM on 09/15/2013; monitoring location relocated to ORW-11a					0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 07:00:00 PM						0.0	0.0	<1.0	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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 08:00:00 PM						0.0	0.0	<1.0	0.0	21.2						0.0	0.0	0.0	0.0	21.2						0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/15/2013 09:00:00 PM						0.0	0.0	<1.0	0.0	21.0						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	<1.0	0.0	0.0	0.0	20.9
09/15/2013 10:00:00 PM						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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
09/15/2013 11:00:00 PM						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	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/16/2013 12:00:00 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	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/16/2013 01:00:00 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	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/16/2013 02:00:00 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	<1.0	0.0	21.0	<1.0	0.0	0.0	0.0	20.9
09/16/2013 03:00:00 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	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/16/2013 04:00:00 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	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
09/16/2013 05:00:00 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	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9

Notes:
Sage personnel relocated ORW-7, ORW-8, and ORW-11 to ORW-7a, ORW-8a, and ORW-11a, respectively, in an effort to establish more secure monitoring locations.

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: David Gnage

Company: RESPEC

Date: 09/13/13

Job #: 02241

Personnel	Company	Job Title
David Gnage	RESPEC	Staff Geologist
Peter Smith, CPG	RESPEC	Staff Geologist

Time Onsite: Start Time: 7:15 End Time: 14:30

DAILY ACTIVITY:
Attend daily contractors meeting.

MiHPT Boring Program:
Oversaw the installation of MiHPT-CPT52 in the community along Jambalaya. Crew to demobilized.

DPVE pilot program:
Began preparing the system for movement to bubble Site 47. Downloaded recovery data from transducers. Located well locations for 4 DPVE systems in the community.

PROPOSED SCHEDULE:
MiHPT Boring Program:
Crew to return to work on Sept. 18th. Resume MiHPT boring installation per the schedule below.

DPVE pilot program:
Break down system on Sept. 13th. Prepare to move to bubble site 47. Potentially move system to NSBS-47 week of Sept. 16th.

Initials: DJG

Location Reference	General Location	Priority	Tentative Installation Date	
CPT-49	BC Community	1	9/18/2013	
MiHPT-015	Northwest of ORW-02 in corner of Dugas-LeBlanc field	2	9/18/13	
CPT-011	N of Sinkhole (N of 70)	2	9/19/13	
CPT-019	NE of Community	3	9/19/13	
CPT-057	N of Sinkhole (S of 70)	2	9/20/13	
MiHPT-014	North of CPT-27 about half-way to Highway 70	2	9/20/13	
CPT-080	Crosstex property	3	9/21/13	
CPT-078	Crosstex property	3	9/21/13	
CPT-079	Crosstex property	3	9/22/13	
MRAA-01-D	TBC main facilities	4	9/22/13	
CPT-029	Southwest corner of Gephone-01 pad	4	9/23/13	
CPT-005	SE of sinkhole	4	9/23/13	
ORW-06	ORW	5	9/24/13	
ORW-17	ORW	5	9/24/13	
ORW-04	ORW	5	9/25/13	
ORW-08	ORW	5	9/25/13	
ORW-09	ORW	5	9/26/13	
ORW-05	ORW	5	9/26/13	
CPT-109W	N of Sinkhole (S of 70)	2	9/27/13	barge required
CPT-103W	SW of sinkhole	4	10/2/13	barge required
CPT-082	Gator Corner	3	no access	

Please note this schedule does not reflect any potentially additional MiHPT boring locations discussed during the meetings held September 10th-11th.

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: David Gnage

Company: RESPEC

Date: 09/14/13

Job #: 02241

Personnel	Company	Job Title

Time Onsite: Start Time: NA End Time: NA

DAILY ACTIVITY:

No Field Work Conducted. RESPEC not on-site.

DPVE pilot program:

Instrumentation program:

MIHPT program:

PROPOSED SCHEDULE:

DPVE pilot program:

P. Smith to mobilize to site for Sept. 18th.

Instrumentation program:

No work Scheduled

MIHPT program:

P. Smith to mobilize to site for Sept. 18th.

Initials: DJG

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: David Gnage

Company: RESPEC

Date: 09/15/13

Job #: 02241

Personnel	Company	Job Title

Time Onsite: Start Time: NA End Time: NA

DAILY ACTIVITY:

No Field Work Conducted. RESPEC not on-site.

DPVE pilot program:

Instrumentation program:

MIHPT program:

PROPOSED SCHEDULE:

DPVE pilot program:

P. Smith to mobilize to site for Sept. 18th.

Instrumentation program:

No work Scheduled

MIHPT program:

P. Smith to mobilize to site for Sept. 18th.

Initials: DJG

ME&A Daily Action Summary

September 13, 2013

Subsidence Survey:

- No Work Done

Sinkhole Perimeter/Hydrographic Survey:

- No Work Done

Support Sinkhole Cleanup

- No Work Done

Misc. Survey Work

- Arrive @ 2:00 pm
- Survey installed ORW wells and pressure monitoring wells as requested by Ted Borer.
- Departed @ 4:00 pm

ME&A Daily Action Summary

September 14, 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

ME&A Daily Action Summary

September 15, 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

Michael Pisani & Associates

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

Report By: Patrick Ritchie Date: 9/13/2013
Company: MP&A Work Order # 80-05

Health and Safety Meeting [v] YES [ ] NO

Weather: 97 F Mostly sunny, humid

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

Site Activities: Start Time 6:55 End Time 15:30

Equipment On-site:
Sonic rig
Truck with poly water tank
Skid steer

Daily Activity:
Well development at MRAA-5S. Well was flushed, surge blocked and airlifted.
Conduct in-situ monitoring of industrial water wells
Measure water level for the industrial water wells and MRAA wells
Deploy Level Troll 500 transducers in MRAA-02M and MRAA-02D

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

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: 9/14/2013
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

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
Company: MP&A

Date: 9/15/2013
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

Estimated time of completion:
On-going

Initials: PMR