Texas Brine Company, LLC
1301 Highway 70
Belle Rose, LA 70341
Phone: 985-369-6657
Fax: 985-369-7873

December 4, 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	Eric Rucinski - 07:45 - 16:30, Britt Barnett (Code Red) - 00:00 - 06:00; 18:00 - 24:00, Chad Deshotel (Code Red) - 06:00 - 18:00		12/3/2013		NA	NA	NA	NA	12/4/2013
	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		12/3/2013		NA	NA	NA	NA	NA
	Well Gas Sampling	No work performed		12/3/2013		NA	NA	NA	NA	NA
	Under Slab Gas Sampling	No work performed		12/3/2013		NA	NA	NA	NA	NA
	Indoor Air Monitoring	No work performed		12/3/2013		NA	NA	NA	NA	NA
Respec	Inclinometers/Tilt Meters/Transducers	12/3/2013	Picked up materials to reinforce artificial reflector structures and dug post holes at one AR location.	N. Marnach	NA	NA	NA	NA	NA	NA NA
	InSAR Reflector Installations	12/3/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA NA
	Subsidence Survey-Fenstermaker	12/3/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA NA
	Shallow Geophone Installation	12/3/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA NA
	Deep Geophone Installation	12/3/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA NA
	Amendment #3, Directive #2	12/3/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA NA
	Expansion of geoprobe gas sampling locations	12/3/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA NA
	DPVE	12/3/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA NA
	Abandon Casing Survey	12/3/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA NA
	Passive Vent Well at NSDBS56	12/3/2013	install passive vent well at NSDBS 56 (GP-56).	D. Gnage	NA	NA	NA	NA	NA	NA NA
	MIHPT	12/3/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA NA
Miller	Weekly Stability Survey	No work performed		December 3, 2013		NA	NA	NA	NA	NA
	Misc. Survey Work	M. Fore		December 3, 2013		NA	NA	NA	NA	NA
	Sinkhole Hydro/Perimeter Survey	No work performed		December 3, 2013		NA	NA	NA	NA	NA
Pisani	Surface Water	NA		12/2-12/4/2013		NA	NA	NA	NA	NA
	Sinkhole	NA		12/2-12/4/2013		NA	NA	NA	NA	NA
	Industrial Well Water	PMR		12/2-12/4/2013		12/3/2013	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	NA
	MRAA Well Water	NA		12/2-12/4/2013		NA	NA	NA	NA	NA
	GP/ORW Water	NA		12/2-12/4/2013		NA	NA	NA	NA	NA
	Cavern Water	NA		12/2-12/4/2013		NA	NA	NA	NA	NA
	Discharge/Outfall Water	PMR		12/2-12/4/2013		10/22/2013	NA	GCAL	Total BTEX; Oil and Grease; Sulfates;1-3 Dichloropropene	NA
	Geoprobe Wells	NA		12/2-12/4/2013		NA	NA	NA	NA	NA

Grand Bayou Well 3A	
Daily Operations at 3A	Summary of Today's events
	Oxy 3A
12/4/2013	7am 884.77 12/4/2013
	Relief Well #1
12/4/2013	See ORW-01 Flare Spreadsheet

Attachments

Daily Action Summary

December 3, 2013

Sinkhole Perimeter Air Monitoring and Neighborhood ORWs Air Monitoring

- Eric Rucinski onsite from 07:45 – 16:30. Changed out the monitors between 08:35 and 16:01. Collected data from the monitoring database and forwarded to Steven Shaughnessy in the Baton Rouge office for processing.

- Code Red (monitor sub-contractor) onsite for continuous 24/7 monitoring:
    - Britt Barnett onsite from 0:00 to 06:00; 18:00 to 24:00
    - Chad Deshotel onsite from 06:00 to 18:00

  Technicians also assisted in battery change outs and maintenance of the monitoring equipment as necessary.

  NOTE: The sinkhole monitors are now housed in solar-powered weather boxes; thus, daily monitor change-out not necessary for Pad 9, TR-1a, ORW-11a, ORW-9a, and ORW-5. Monitors will continue to be calibrated and serviced as necessary.

  24/7 monitoring for the installation of the passive vent well at NSDBS-056 began at 08:35 on 12/03/2013. The monitoring location, PVW-BS-56, is located at N30°01'6.70"; W91°09'20.99". A monitor location map is additionally attached.

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
Neighborhood Monitoring

*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 -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56		
	ORW-49-WH			ORW-50-WH			PVW-BS-56		
Date-Time *	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
12/03/2013 01:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0	Monitoring at PVW-BS-56 began at 08:35 AM on 12/03/2013		
12/03/2013 02:00:00 AM	0.0	0.0	21.0	0.0	0.0	21.0			
12/03/2013 03:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0			
12/03/2013 04:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0			
12/03/2013 05:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0			
12/03/2013 06:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0			
12/03/2013 07:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0			
12/03/2013 08:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0	0.0	0.0	21.0
12/03/2013 09:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0	0.0	0.0	21.0
12/03/2013 10:00:00 AM	0.0	0.0	21.0	0.0	0.0	21.0	0.0	0.0	21.0
12/03/2013 11:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
12/03/2013 12:00:00 PM	0.0	0.0	20.9	0.0	0.0	21.1	0.0	0.0	20.9
12/03/2013 01:00:00 PM	0.0	0.0	21.0	0.0	0.0	21.2	0.0	0.0	20.9
12/03/2013 02:00:00 PM	0.0	0.0	21.1	0.0	0.0	21.0	0.0	0.0	20.9
12/03/2013 03:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 04:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 05:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 06:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 07:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 08:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 09:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 10:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 11:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/04/2013 12:00:00 AM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9

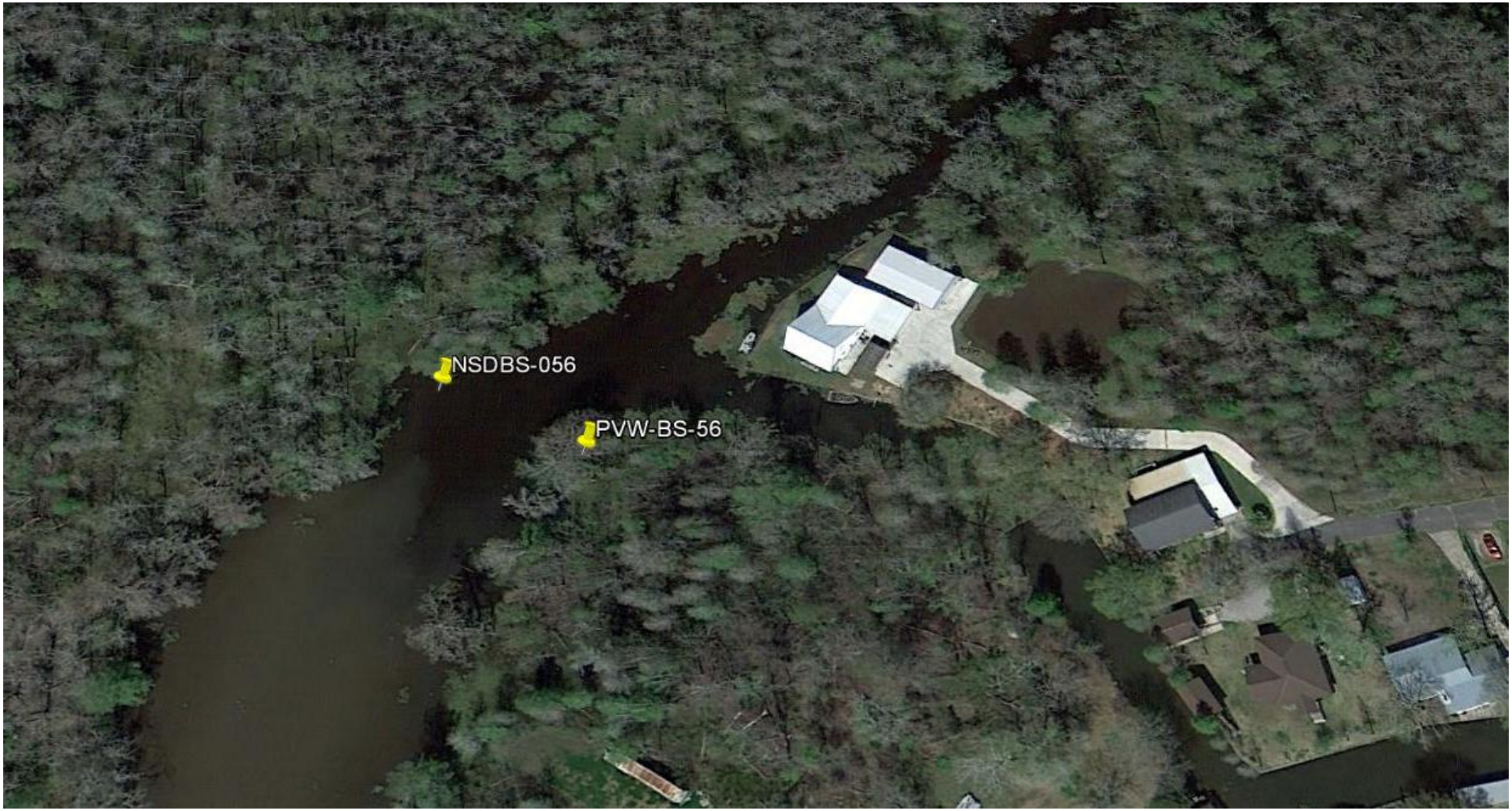
Notes:

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data
Sinkhole Perimeter Monitoring

*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-5					ORW-9a					ORW-11a					Pad #9					TR-1a				
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 (%)
12/03/2013 01:00:00 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 02:00:00 AM	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	0.0	0.0	20.9
12/03/2013 03:00:00 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 04:00:00 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 05:00:00 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 06:00:00 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 07:00:00 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 08:00:00 AM	<1.0	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	0.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9
12/03/2013 09:00:00 AM	<1.0	0.0	0.0	0.0	20.8	<1.0	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	20.6	0.0	0.0	0.0	0.0	20.9
12/03/2013 10:00:00 AM	0.0	0.0	0.0	0.0	20.8	<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	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 11:00:00 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	21.0	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 12:00:00 PM	<1.0	0.0	<1.0	0.0	21.0	<1.0	0.0	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	0.0	0.0	0.0	0.0	21.0
12/03/2013 01:00:00 PM	0.0	0.0	0.0	0.0	21.0	<1.0	0.0	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	0.0	0.0	0.0	0.0	21.0
12/03/2013 02:00:00 PM	0.0	0.0	0.0	0.0	21.0	<1.0	0.0	0.0	0.0	21.3	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	21.0
12/03/2013 03:00:00 PM	0.0	0.0	0.0	0.0	21.0	<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	20.9	0.0	0.0	0.0	0.0	21.0
12/03/2013 04:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2	<1.0	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
12/03/2013 05:00:00 PM	<1.0	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	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 06:00:00 PM	<1.0	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	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 07:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2	<1.0	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
12/03/2013 08:00:00 PM	<1.0	0.0	0.0	0.0	20.7	<1.0	0.0	0.0	0.0	21.1	<1.0	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
12/03/2013 09:00:00 PM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9
12/03/2013 10:00:00 PM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9
12/03/2013 11:00:00 PM	<1.0	0.0	0.0	0.0	20.6	<1.0	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
12/04/2013 12:00:00 AM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9

Notes:



Note: The passive vent well is being installed at NSDBS-056; the monitoring location is at PVW-BS-56.

PVW-BS-56 Monitor Location

December 3, 2013

SAGE
ENVIRONMENTAL CONSULTING

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data
Neighborhood Monitoring

*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 -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56		
	ORW-49-WH			ORW-50-WH			PVW-BS-56		
Date-Time *	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
12/03/2013 05:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0	Monitoring at PVW-BS-56 began at 08:35 AM on 12/03/2013		
12/03/2013 06:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0			
12/03/2013 07:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0			
12/03/2013 08:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0	0.0	0.0	21.0
12/03/2013 09:00:00 AM	0.0	0.0	21.0	<1.0	0.0	21.0	0.0	0.0	21.0
12/03/2013 10:00:00 AM	0.0	0.0	21.0	0.0	0.0	21.0	0.0	0.0	21.0
12/03/2013 11:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
12/03/2013 12:00:00 PM	0.0	0.0	20.9	0.0	0.0	21.1	0.0	0.0	20.9
12/03/2013 01:00:00 PM	0.0	0.0	21.0	0.0	0.0	21.2	0.0	0.0	20.9
12/03/2013 02:00:00 PM	0.0	0.0	21.1	0.0	0.0	21.0	0.0	0.0	20.9
12/03/2013 03:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 04:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 05:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 06:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 07:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 08:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 09:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 10:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/03/2013 11:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/04/2013 12:00:00 AM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/04/2013 01:00:00 AM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/04/2013 02:00:00 AM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/04/2013 03:00:00 AM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/04/2013 04:00:00 AM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9
12/04/2013 05:00:00 AM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	20.9

Notes:

Texas Brine - Belle Rose, Louisiana
Hourly Air Monitoring Data
Sinkhole Perimeter Monitoring

*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-5					ORW-9a					ORW-11a					Pad #9					TR-1a				
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 (%)
12/03/2013 05:00:00 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 06:00:00 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 07:00:00 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	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 08:00:00 AM	<1.0	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	0.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9
12/03/2013 09:00:00 AM	<1.0	0.0	0.0	0.0	20.8	<1.0	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	20.6	0.0	0.0	0.0	0.0	20.9
12/03/2013 10:00:00 AM	0.0	0.0	0.0	0.0	20.8	<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	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 11:00:00 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	21.0	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 12:00:00 PM	<1.0	0.0	<1.0	0.0	21.0	<1.0	0.0	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	0.0	0.0	0.0	0.0	21.0
12/03/2013 01:00:00 PM	0.0	0.0	0.0	0.0	21.0	<1.0	0.0	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	0.0	0.0	0.0	0.0	21.0
12/03/2013 02:00:00 PM	0.0	0.0	0.0	0.0	21.0	<1.0	0.0	0.0	0.0	21.3	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	21.0
12/03/2013 03:00:00 PM	0.0	0.0	0.0	0.0	21.0	<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	20.9	0.0	0.0	0.0	0.0	21.0
12/03/2013 04:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2	<1.0	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
12/03/2013 05:00:00 PM	<1.0	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	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 06:00:00 PM	<1.0	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	20.9	0.0	0.0	0.0	0.0	20.9
12/03/2013 07:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2	<1.0	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
12/03/2013 08:00:00 PM	<1.0	0.0	0.0	0.0	20.7	<1.0	0.0	0.0	0.0	21.1	<1.0	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
12/03/2013 09:00:00 PM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9
12/03/2013 10:00:00 PM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9
12/03/2013 11:00:00 PM	<1.0	0.0	0.0	0.0	20.6	<1.0	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
12/04/2013 12:00:00 AM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9
12/04/2013 01:00:00 AM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9
12/04/2013 02:00:00 AM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9
12/04/2013 03:00:00 AM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9
12/04/2013 04:00:00 AM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9
12/04/2013 05:00:00 AM	<1.0	0.0	0.0	0.0	20.6	<1.0	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	0.0	0.0	20.9

Notes:

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: David Gnage

Company: RESPEC

Date: 12/02/13

Job #: 02241

Personnel	Company	Job Title
Nick Marnach	RESPEC	Staff Engineer
David Gnage	RESPEC	Staff Geologist

Time Onsite: Start Time: 7:00 End Time: 17:15

DAILY ACTIVITY:

Attended Daily Contractor meeting.

Instrumentation Program:
Picked up materials to reinforce artificial reflector structures and dug post holes at one AR location.

Other Programs:
Sampled/logged, drilled and installed passive vent well at NSDBS 56 (GP-56). Well was completed through installation of the bentonite seal.

PROPOSED SCHEDULE:

Instrumentation Program:
Install Sim Card, raise control box, and reinforce structure site #33. Remove NL200 from response trailer

Other Programs:
Grout GP-56 and install bollards around GP-56. Develop GP-56.

Initials: DJG

ME&A Daily Action Summary

December 03, 2013

Subsidence Survey:

- No Work Done

Sinkhole Perimeter/Hydrographic Survey:

- No Work Done

Support Sinkhole Cleanup

- No Work Done

Misc. Survey Work

- Arrived @ 8:15 am
- Surveyed Containment Berm Settlement Plates
- Departed @ 10:30 am

Michael Pisani & Associates

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

Report By: Patrick Ritchie Date: 12/2/2013
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:
Measure pressure and water level at TBC Geoprobe locations (2x/month)
Collect laboratory samples from MRAA and industrial water wells (monthly)
Observe, video, measure bubble sites (monthly)
Collect laboratory samples from surface water (monthly)
Collect sinkhole profile and laboratory samples (monthly)
Conduct in-situ monitoring of industrial water wells
Measure water level for the industrial water wells and MRAA wells and download transducer 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: 12/3/2013
Company: MP&A Work Order # 80-05

Health and Safety Meeting [y] YES [ ] NO

Weather: 70F Mostly cloudy and humid

Personnel	Company	Job Title
Patrick Ritchie	MP&A	Environmental Scientist

Site Activities: Start Time 10:15 End Time 14:30

Equipment On-site:

Daily Activity:
Collect laboratory samples from industrial water wells
Conduct in-situ monitoring of industrial water wells
Measure water level for the industrial water wells and MRAA wells and download transducer data
Collect laboratory samples from Outfall #2

Estimated time of completion:
On-going

Proposed schedule:
Measure pressure and water level at TBC Geoprobe locations (2x/month)
Collect laboratory samples from MRAA and industrial water wells (monthly)
Observe, video, measure bubble sites (monthly)
Collect laboratory samples from surface water (monthly)
Collect sinkhole profile and laboratory samples (monthly)
Conduct in-situ monitoring of industrial water wells
Measure water level for the industrial water wells and MRAA wells and download transducer 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: 12/4/2013
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:
Measure pressure and water level at TBC Geoprobe locations (2x/month)
Collect laboratory samples from MRAA and industrial water wells (monthly)
Observe, video, measure bubble sites (monthly)
Collect laboratory samples from surface water (monthly)
Collect sinkhole profile and laboratory samples (monthly)
Conduct in-situ monitoring of industrial water wells
Measure water level for the industrial water wells and MRAA wells and download transducer data

Estimated time of completion:
On-going

Initials: PMR