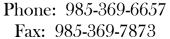


Texas Brine Company, LLC 1301 Highway 70

Belle Rose, LA 70341





October 10, 2013

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

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

Commissioner Welsh,

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

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

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

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

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

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

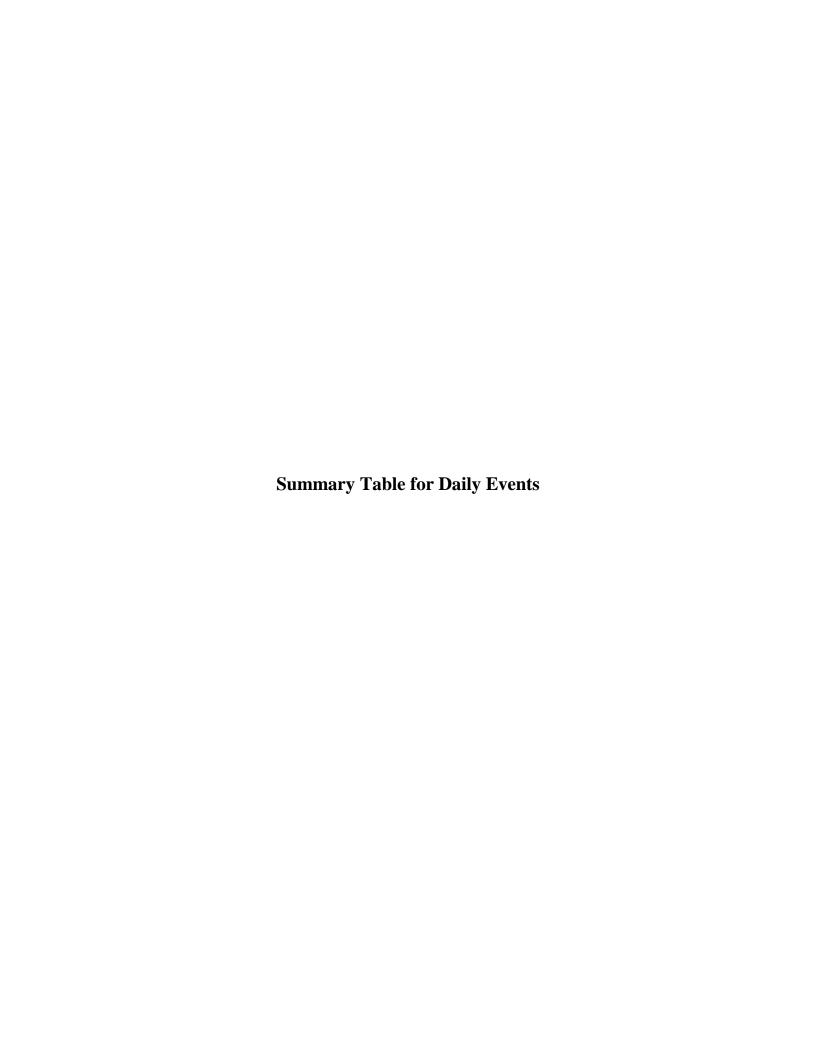
TBC believes that the submittal of this report satisfies the requirements of the Declaration of Emergency and Directive issued on September 25, 2012. As directed this report is submitted by email to <u>conservationorder@la.gov</u>, ref. "Emergency Declaration-Texas Brine Company LLC-9/25/2012.

Bruce E. Martin

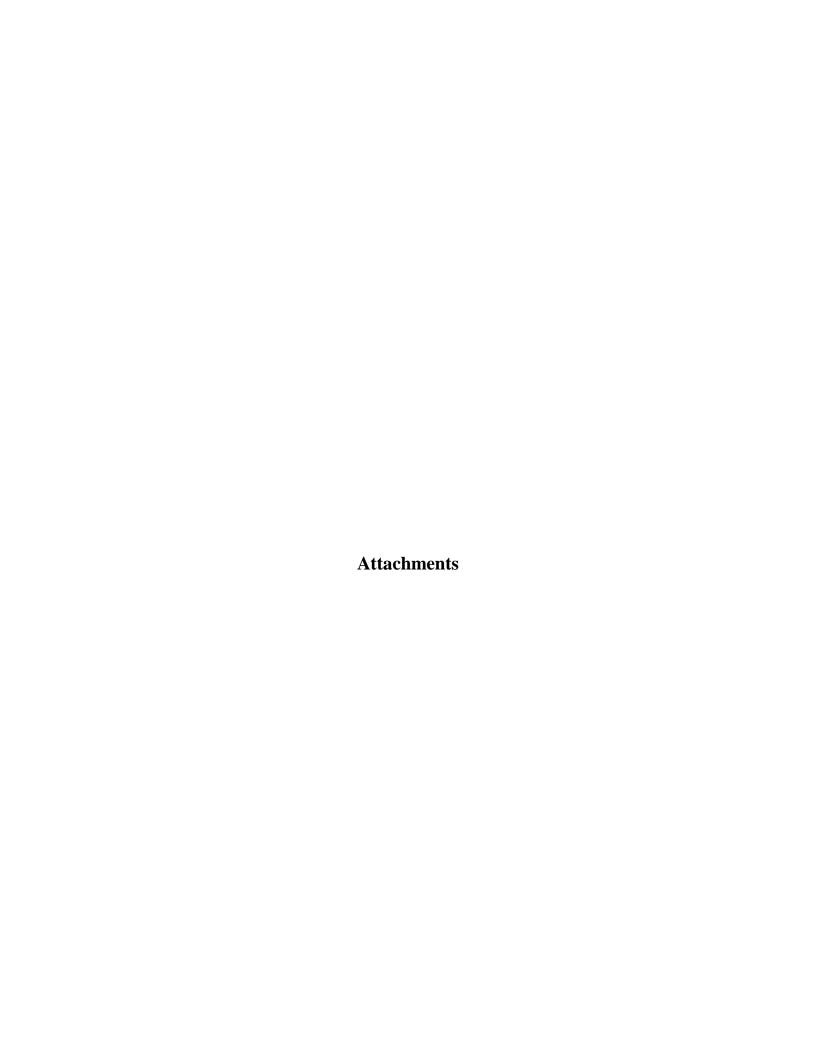
Vice President, Operations

Bana EMart

Texas Brine Company, LLC



			TBC Oxy Gran	d Bayou Data Manage	ment-Enviro	nmental					
Contractor	Responsibilities	Coll	ected By	Date Collect	ed	Delivered to Lab	Results from Lab	Laboratory	Method	Date to Ag	gencies
Sage	Stationary Air Monitoring		nessy - 08:00 - 09:15 de Red) - 07:00 - 17:00	10/9/2013	i	NA	NA	NA	NA	10/10/2	2013
	Residential Air Monitoring		equested to suspend ential air monitoring. will discontinue these tivities.	NA		NA	NA	NA	NA	NA	
	Gas Seep Sampling	No wor	k performed	10/9/2013		NA	NA	NA	NA	NA	
	Well Gas Sampling	No wor	k performed	10/9/2013		NA	NA	NA	NA		
	Under Slab Gas Sampling	No wor	k performed	10/9/2013		NA	NA	NA	NA	NA	
	Indoor Air Monitoring	No wor	k performed	10/9/2013		NA	NA	NA	NA	NA	
Respec	Inclinometers/Tilt Meters/Transducers	10/9/2013	No work Conducted	NA	NA	NA	NA		NA	NA	NA
L	InSAR Reflector Installations	10/9/2013	No work Conducted	NA	NA	NA	NA		NA	NA	NA
_	Subsidence Survey-Fenstermaker	10/9/2013	No work Conducted	NA	NA	NA	NA		NA	NA	NA
_	Shallow Geophone Installation	10/9/2013	No work Conducted	NA	NA	NA	NA		NA	NA	NA
L	Deep Geophone Installation	10/9/2013	No work Conducted	NA	NA	NA	NA		NA	NA	NA
_	Amendment #3, Directive #2	10/9/2013	No work Conducted	NA	NA	NA	NA		NA	NA	NA
_	Expansion of geoprobe gas sampling locations	10/9/2013	No work Conducted	NA	NA	NA	NA		NA	NA	NA
			Oversee DPVE-47								
	DPVE Pilot Test	10/9/2013	pilot test	P. Smith	NA	NA	NA		NA	NA	NA
			oversee installation								
	MIHPT	10/9/2013	of MiHPT-202R	D. Cuoro	NA	NA	NA		NA	NA	NA
Miller	Weekly Stability Survey		el Miller	D. Gnage October 9, 20		NA NA	NA NA	NA	NA NA	NA NA	
Willer	Misc. Survey Work		att Fore	October 9, 20		NA NA	NA NA	NA NA	NA NA	NA NA	
	Sinkhole Hydro/Perimeter Survey		k Performed	October 9, 20		NA NA	NA NA	NA NA	NA NA	NA NA	
Pisani	Surface Water		NA	NA NA		NA	NA	NA	NA	NA	
	Sinkhole		NA	NA		NA	NA	NA	NA	NA	
	Industrial Well Water		NA	NA		NA	NA	NA	NA	NA	
									Chloride, Bromide and Sulfate (Inorganic Anions) – SW-846 9056A, Conductivity – SM 2510B, TDS – SM Z540C, Cations/metals – SW-846 6010B, Carbonate & Bicarbonate Alkalinity – SM 2320B, BTEX – SW-846 8260B, TPH Fractions – TX 1006/LA 1006, and		
-	MRAA Well Water		PMR	10/8/2013		NA	NA	GCAL	Dissolved Gases - RSK-175, PAH	NA	
L	GP/ORW Water		NA	NA		NA	NA	NA	NA NA	NA	
L	Cavern Water		NA	NA		NA	NA	NA	NA	NA	
	Discharge/Outfall Water		PMR	10/8/2013		N/A	NA	GCAL	Total BTEX; Oil and Grease; Sulfates;1-3 Dichloropropene	N/A	
-	Geoprobe Wells		NA NA	10/8/2013 NA		NA NA	NA NA	NA NA	NA NA	NA NA	
	Geoprobe Weiis		IVA	NA NA		IVA	NA	NA	NA.	NA	
				Grand Bayou Well	3A						
	Daily Operations at 3A					Summary of	Today's events				
1	• • • • • • • • • • • • • • • • • • • •						ry 3A				
	10/10/2013	7am 746.25		10/10/201	3		Well #1				
						Kener	WCII #1				



Daily Action Summary

October 9, 2013

Stationary Air Monitoring

- Steven Shaughnessy onsite from 08:00 to 09:15. Changed out the monitors between 08:06 and 08:21. Collected data from the monitoring database and forwarded to Eric Rucinski in the Baton Rouge office for processing.
- Mark Schlecht of Code Red (monitor sub-contractor) onsite from 07:00 to 17:00. Assisted in battery change outs and maintenance of the monitoring equipment.

<u>NOTE</u>: As discussed on the 10/08/2013 Daily Action Summary, beginning at approximately 21:22 on 10/08/2013, data was not properly transmitted due to a receiver malfunction. The receiver malfunction was resolved at approximately 07:45 on 10/09/2013, and normal data collection resumed. Additionally, RTU-9, located at ORW-11a, recorded elevated CO readings while deployed on 10/08/2013 - 10/09/2013. The maximum instantaneous reading recorded was 16.9 ppm. Heavy equipment was operated near ORW-11a on 10/08/2013 - 10/09/2013.

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

*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						Observ	ation Relief W	/ell - 8			Observa	ation Relief V	Vell -11			Sou	th of OG3A	\- 1				Onsite Trailers	,	
	ORW-7a						ORW-8a					ORW-11a					Pad #9					TR-1			
		Non- Methane					Non- Methane					Non- Methane					Non- Methane					Non- Methane			
Date-Time *	CO (ppm)	VOC (ppm) H	2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)
10/09/2013 01:00:00 AM	**						**						**				**	**							
10/09/2013 02:00:00 AM																									
10/09/2013 03:00:00 AM		D-4					D-4					D-4					Data not properly transmitted Data not properly transmitted								
10/09/2013 04:00:00 AM	Data not properly transmitted				Data not properly transmitted					рата по	t properly tra	nsmitted			Data not	property tra	nsmitted	0.0 20.9 0.0 <1.0 <1.0 0.0 20.9 0.0 20.9 0.0 0.0 0.0 0.0 20.9 0.0 20.9 0.0 0.0 0.0 0.0 20.9 0.0 20.9 0.0 0.0 0.0 0.0 20.9 0.0 20.9 0.0 0.0 0.0 0.0 20.9 0.0 20.9 0.0 0.0 0.0 0.0 20.9 0.0 20.9 0.0 0.0 0.0 0.0 20.9 0.0 20.9 0.0 0.0 0.0 0.0 20.9							
10/09/2013 05:00:00 AM																									
10/09/2013 06:00:00 AM																									
10/09/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	15.0	0.0	<1.0	0.0	21.3	<1.0	0.0	<1.0	0.0		0.0	<1.0	<1.0	0.0	
10/09/2013 08:00:00 AM	1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0		0.0	0.0	0.0	0.0	
10/09/2013 09:00:00 AM	1.2	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0		0.0		0.0	0.0	
10/09/2013 10:00:00 AM	1.1	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.4	1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0		0.0		0.0	0.0	
10/09/2013 11:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.6	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0							
10/09/2013 12:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.6	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0							
10/09/2013 01:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.7	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0							
10/09/2013 02:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.7	<1.0	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	20.9
10/09/2013 03:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.7	<1.0	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	20.9
10/09/2013 04:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.7	<1.0	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	20.9
10/09/2013 05:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.6	<1.0	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	20.9
10/09/2013 06:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.5	<1.0	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	20.9
10/09/2013 07:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.3	<1.0	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	20.9
10/09/2013 08:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.2	<1.0	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	20.9
10/09/2013 09:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.2	<1.0	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	20.9
10/09/2013 10:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.0	<1.0	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	20.9
10/09/2013 11:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	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	20.9
10/10/2013 12:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	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	20.9

Notes

Beginning at approximately 09:22 PM on 10/08/2013, data was not properly transmitted due to a receiver malfunction. The receiver malfunction was resolved at approximately 07:45 AM on 10/09/2013, and normal data collection resumed.

RTU-9, located at ORW-11a, recorded elevated CO readings while deployed on 10/08/2013 - 10/09/2013. The maximum instantaneous reading recorded was 16.9 ppm. Heavy equipment was operated near ORW-11a on 10/08/2013 - 10/09/2013.

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

		Observ	ation Relief V	Vell -7			Observa	ation Relief	Well - 8			Observat	tion Relief V	Vell -11			Sc	outh of OG3A-	-1			C	Onsite Trailer	:S					
	ORW-7a							ORW-8a					ORW-11a					Pad #9					TR-1						
		Non-					Non-					Non-					Non-					Non-							
		Methane					Methane					Methane					Methane					Methane		l	l '				
Date-Time *	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm) V	OC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	SO2 (ppm)	VOC (ppm)	H2S (ppm)	LEL (%)	O2 (%)	CO (ppm) V	OC (ppm)	H2S (ppm)	LEL (%)	O2 (%)				
10/09/2013 05:00:00 AM 10/09/2013 06:00:00 AM		Data no	t properly trai	nsmitted		Data not properly transmitted					Data not	properly tra	nsmitted		Data not properly transmitted					Data not properly transmitted									
10/09/2013 06:00:00 AM 10/09/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	15.0	0.0	-1.0	0.0	21.3	<1.0	0.0	<1.0	0.0	20.9	0.0	<1.0	-1.0	0.0	20.9				
10/09/2013 07:00:00 AM 10/09/2013 08:00:00 AM	1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0 <1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9				
10/09/2013 08:00:00 AM 10/09/2013 09:00:00 AM	1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	<1.0	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	20.9				
10/09/2013 09:00:00 AM 10/09/2013 10:00:00 AM	1.2	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.4	1.0	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	20.9				
10/09/2013 10:00:00 AM 10/09/2013 11:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.4	<1.0	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	20.9				
10/09/2013 11:00:00 AM 10/09/2013 12:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.6	<1.0	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	20.9				
10/09/2013 12:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.7	<1.0	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	20.9				
10/09/2013 02:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	21.7	<1.0	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	20.9				
10/09/2013 03:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.7	<1.0	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	20.9				
10/09/2013 04:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.7	<1.0	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	20.9				
10/09/2013 05:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.6	<1.0	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	20.9				
10/09/2013 06:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.5	<1.0	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	20.9				
10/09/2013 07:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.3	<1.0	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	20.9				
10/09/2013 08:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.2	<1.0	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	20.9				
10/09/2013 09:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.2	<1.0	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	20.9				
10/09/2013 10:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.0	<1.0	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	20.9				
10/09/2013 11:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	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	20.9				
10/10/2013 12:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	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	20.9				
10/10/2013 01:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	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	20.9				
10/10/2013 02:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	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	20.9				
10/10/2013 03:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	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	20.9				
10/10/2013 04:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9				
10/10/2013 05:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	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	20.9				

Notes

Beginning at approximately 09:22 PM on 10/08/2013, data was not properly transmitted due to a receiver malfunction. The receiver malfunction was resolved at approximately 07:45 AM on 10/09/2013, and normal data collection resumed.

RTU-9, located at ORW-11a, recorded elevated CO readings while deployed on 10/08/2013 - 10/09/2013. The maximum instantaneous reading recorded was 16.9 ppm. Heavy equipment was operated near ORW-11a on 10/08/2013 - 10/09/2013.

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By:	David Gnage	Date:	10/09/13
Company:	RESPEC	Job #:_	02241

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

Time Onsite: Start Time: 7:00 End Time: 18:30

DAILY ACTIVITY:

Attended Daily Contractor meeting.

DPVE pilot program:

DPVE-47 pilot test ran continuously on Wednesday. Groundwater discharge rate is 41 gpm; air flow is 64 CFM and the drawdown in the pumping well is 38.7 ft. BTOC. Drawdown in monitoring wells is 0.6 to 1.2 ft. Methane concentrations range in the air stream range from 32-37,000 ppm. No noticeable impact on bubble sites -47 and -54.

MiHPT Boring Program:

Re-attempted to install MiHPT-202 near ORW5/CPT2, this borehole was named MiHPT-202R. MiHPT-202R was terminated at a refusal depth of 130.6 ft. bgs. The crew had two mechanical issues today. The first was with the grout pump, the second was with a leaky hydraulic connection. Both were repaired and the borehole was completed. The hydraulic leak was detected quickly and contained and cleaned up.

Instrumentation Program:

No activity. No personnel on-site.

PROPOSED SCHEDULE:

DPVE pilot program:

Continue run DPVE system at DPVE-47, potentially increase the pump size.

MiHPT Boring Program:

While grouting MiHPT-202R a broken rod was noted. The crew will replace the rod and re-string the lines prior to resuming work. Install MiHPT-19 near CPT19 on October 10th. Install MiHPT-109W near CPT109W and MiHPT-93 on October 11th. The road to MiHPT-90 and MiHPT-91 needs maintence to allow access.

Instrumentation Program:

TBC indicated there may be a meeting with Chevron on 10/10 to discuss new geophone location on their property and 2 new geophone locations may be installed the week of 10/14 one of which will be on the Chevron property.

Initials: DJG

ME&A Daily Action Summary

October 9, 2013

Subsidence Survey:

- Arrived @ 7:00 am
- Ran conventional level loop starting at TBM 2 which is a nail set in a power pole adjacent to the main roadway and OxyGeismar #2 well pad. Ran level loop through brine wells (1 & 2), water wells (1 & 2), TBM's, and the two brine storage tanks

Sinkhole Perimeter/Hydrographic Survey:

No Work Done

Support Sinkhole Cleanup

No Work Done

Misc. Survey Work

- Settlement plate survey on containment berm and DPVE-47. Monitoring for movement on OG Pad 3 while water well is being P&A'd.
- Departed @ 6:00 pm

Michael Pisani & Associates

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

Company:	MD&A			Work	Date: _	80-05
Company:	MP&A			Work (7 UCI #_	00-03
Health and S	Safety Meeting y	YES	NO			
Weather:	82 F clear					
	Personnel		Company	.Jol	o Title	
Patrick Ritch		MP&A	o strip timy	Environmental So		
Eric Kocken	1	MP&A		Environmental So	eientist	
		-				
Site Acti	vities: Start Time	8:30	End Time 17:	15		
Equipment	On-site:					
Daily Activi	· · · · · · · · · · · · · · · · · · ·					
	ny. Situ monitoring of industr	ial water w	ells			
	ter level for the industrial					
	ratory samples from the M					
	ratory samples from the o					
	ansucer data from MRA					
Estimated tip	me of completion:					
On-going	ine of completion.					
- 6- 6						
Proposed sc	chedule:					
Conduct in-s	situ monitoring of industr	ial water w	ells			
Measure wat	ter level for the industrial	water well	s and MRAA wells			
	ssure and water level at 7					
	ratory samples from the i		ater wells			
	leo, measure bubble sites					
Download tr	ransucer data					
Estimated 4:	me of completion:					
On-going	me of completion:					
OII-going				Initial		DMD

Michael Pisani & Associates

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

Report By:	Patrick Ritchie	-		Date:	
Company:	MP&A	-		Work Order #	80-05
Health and S	Safety Meeting V	YES	NO		
Weather:	85 F clear				<u>.</u>
	Personnel	(Company	Job Title	
Patrick Ritch		MP&A	r y	Environmental Scientist	
Eric Kocken		MP&A		Environmental Scientist	
		·			
Site Acti	vities: Start Time	8:30 E	nd Time 16:20		
DIE ACII	vitios. Start Time	E	nd Time 16:20	<u> </u>	
Equipment	On-site:				
Equipment	On-site.				
Daily Activ	ity:				
Collect labo	ratory samples from the l	MRAA wells			
Estimated ti	me of completion:				
On-going	•				
Proposed so					
	situ monitoring of industr				
	ter level for the industria				
	essure and water level at				
	ratory samples from the i		wells		
	deo, measure bubble sites	3			
Download ti	ransucer data				
Estimated #	me of completions				
On-going	me of completion:				
On-going				Initials:	PMR
				muais.	1 17117