



Texas Brine Company, LLC

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



November 5, 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 - 08:00 - 10:45 Britt Barnett (Code Red) - 07:00 - 17:00		11/4/2013		NA	NA	NA	NA	11/5/2013
	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		11/4/2013		NA	NA	NA	NA	NA
	Well Gas Sampling	No work performed		11/4/2013		NA	NA	NA	NA	NA
	Under Slab Gas Sampling	No work performed		11/4/2013		NA	NA	NA	NA	NA
	Indoor Air Monitoring	No work performed		11/4/2013		NA	NA	NA	NA	NA
Respec	Inclinometers/Tilt Meters/Transducers	11/4/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	InSAR Reflector Installations	11/4/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Subsidence Survey-Fenstermaker	11/4/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Shallow Geophone Installation	11/4/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Deep Geophone Installation	11/4/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Amendment #3, Directive #2	11/4/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Expansion of geoprobe gas sampling locations	11/4/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	DPVE Pilot Test	11/4/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
MIHPT	11/4/2013	Collect GPS coordinates	P. Smith	NA	NA	NA	NA	NA	NA	
Miller	Weekly Stability Survey	NA		November 4, 2013		NA	NA	NA	NA	NA
	Misc. Survey Work	NA		November 4, 2013		NA	NA	NA	NA	NA
	Sinkhole Hydro/Perimeter Survey	NA		November 4, 2013		NA	NA	NA	NA	NA
Pisani	Surface Water	See attached reports		10/29 - 11/4/2013		NA	NA	NA	NA	NA
	Sinkhole	See attached reports		10/29 - 11/4/2013		NA	NA	NA	NA	NA
	Industrial Well Water	See attached reports		10/29 - 11/4/2013		NA	NA	NA	NA	NA
	MRAA Well Water	See attached reports		10/29 - 11/4/2013		NA	NA	NA	NA	NA
	GP/ORW Water	See attached reports		10/29 - 11/4/2013		NA	NA	NA	NA	NA
	Cavern Water	See attached reports		10/29 - 11/4/2013		NA	NA	NA	NA	NA
	Discharge/Outfall Water	See attached reports		10/29 - 11/4/2013		NA	NA	NA	NA	NA
	Geoprobe Wells	See attached reports		10/29 - 11/4/2013		NA	NA	NA	NA	NA
Grand Bayou Well 3A										
Daily Operations at 3A		<u>Summary of Today's events</u>								
		Oxy 3A								
11/5/2013		7am	697.27	11/5/2013						
11/5/2013		Relief Well #1								
		See ORW-01 Flare Spreadsheet								

Attachments

Daily Action Summary

November 4, 2013

Stationary Air Monitoring

- Eric Rucinski onsite from 08:00 to 10:45. Changed out the monitors between 08:35 and 10:25. Collected data from the monitoring database and forwarded to Jill Martin in the Baton Rouge office for processing.
- Britt Barnett of Code Red (monitor sub-contractor) onsite from 07:00 to 17:00. Assisted in battery change outs and maintenance of the monitoring equipment.

NOTE: A Code 3 was issued for the sink hole work area on 10/25/2013 and continues to remain in effect. Access to ORW-7a and ORW-8a is not allowed during times that a Code 3 is issued; thus, no data is being collected for ORW-7a and ORW-8a at this time.

As discussed on the 11/03/2013 Daily Action Summary, beginning at approximately 10:35 on 11/03/2013, data was not properly transmitted due to a computer malfunction. Available data was retrieved from deployed units equipped with internal data loggers. Efforts are being made so that all units will be equipped with internal data loggers. Additionally, a new monitoring computer is being installed on 11/05/2013.

Additionally, RTU-9, located at ORW-9, began recording elevated VOC readings at approximately 18:41 on 11/04/2013. RTU-2 replaced RTU-9 at 09:12 on 11/05/2013, and readings returned to normal. RTU-9 will be serviced by onsite technician before being redeployed.

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)

Date-Time *	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									
	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 (%)					
11/04/2013 01:00:00 AM						0.0	0.0	0.0	0.0	20.9																0.0	0.0	0.0	0.0	20.9
11/04/2013 02:00:00 AM						0.0	0.0	0.0	0.0	20.9																0.0	0.0	0.0	0.0	20.9
11/04/2013 03:00:00 AM						0.0	0.0	0.0	0.0	20.9																0.0	0.0	0.0	0.0	20.9
11/04/2013 04:00:00 AM	Data not properly transmitted due to computer malfunction					0.0	0.0	0.0	0.0	20.9	Data not properly transmitted due to computer malfunction					Data not properly transmitted due to computer malfunction					0.0	0.0	0.0	0.0	20.9					
11/04/2013 05:00:00 AM						0.0	0.0	0.0	0.0	20.9											0.0	0.0	0.0	0.0	20.9					
11/04/2013 06:00:00 AM						0.0	0.0	0.0	0.0	20.9											0.0	0.0	0.0	0.0	20.9					
11/04/2013 07:00:00 AM						0.0	0.0	0.0	0.0	20.9											0.0	0.0	0.0	0.0	20.9					
11/04/2013 08:00:00 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
11/04/2013 09:00:00 AM	<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	<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
11/04/2013 10:00:00 AM	<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	<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
11/04/2013 11:00:00 AM	<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	<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
11/04/2013 12:00:00 PM	<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	0.0	0.0	<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
11/04/2013 01:00:00 PM	<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	0.0	0.0	<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
11/04/2013 02:00:00 PM	<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	21.2	0.0	0.0	<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
11/04/2013 03:00:00 PM	<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	21.3	0.0	0.0	<1.0	0.0	21.0	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 04:00:00 PM	<1.0	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	0.0	0.0	0.0	0.0	21.0	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
11/04/2013 05:00:00 PM	<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	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 06:00:00 PM	<1.0	0.0	0.0	0.0	20.9	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	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 07:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	41.4	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	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 08:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	107.4	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.7	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 09:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	125.6	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	2.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 10:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	213.9	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	2.2	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 11:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	177.3	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.8	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/05/2013 12:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	136.2	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.5	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9

Notes:

A Code 3 was issued for the sink hole work area on 10/25/2013 and continues to remain in effect. Access to ORW-7a and ORW-8a is not allowed during times that a Code 3 is issued, thus no data is being collected for ORW-7a and ORW-8a at this time.

RTU-9, located at ORW-9, began recording elevated VOC readings at approximately 06:41 PM on 11/04/2013. RTU-2 replaced RTU-9 at 09:12 AM on 11/05/2013, and readings returned to normal. RTU-9 will be serviced by onsite technician before being redeployed.

Beginning at approximately 10:35 AM on 11/03/2013, data was not properly transmitted due to a computer malfunction. Available data was retrieved from deployed units equipped with internal data loggers. Efforts are being made so that all units will be equipped with internal data loggers. Additionally, a new monitoring computer is being installed on 11/05/2013.

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)

Date-Time *	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				
	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 (%)
11/04/2013 05:00:00 AM						0.0	0.0	0.0	0.0	20.9											0.0	0.0	0.0	0.0	20.9
11/04/2013 06:00:00 AM	Data not properly transmitted due to computer malfunction					0.0	0.0	0.0	0.0	20.9	Data not properly transmitted due to computer malfunction					Data not properly transmitted due to computer malfunction					0.0	0.0	0.0	0.0	20.9
11/04/2013 07:00:00 AM	Data not properly transmitted due to computer malfunction					0.0	0.0	0.0	0.0	20.9	Data not properly transmitted due to computer malfunction					Data not properly transmitted due to computer malfunction					0.0	0.0	0.0	0.0	20.9
11/04/2013 08:00:00 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	<1.0	0.0	20.9
11/04/2013 09:00:00 AM	<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	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 10:00:00 AM	<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	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
11/04/2013 11:00:00 AM	<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	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
11/04/2013 12:00:00 PM	<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	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 01:00:00 PM	<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	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 02:00:00 PM	<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	21.2	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 03:00:00 PM	<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	21.3	0.0	0.0	<1.0	0.0	21.0	0.0	0.0	<1.0	0.0	20.9
11/04/2013 04:00:00 PM	<1.0	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	0.0	0.0	0.0	0.0	21.0	<1.0	0.0	<1.0	0.0	20.9
11/04/2013 05:00:00 PM	<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	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 06:00:00 PM	<1.0	0.0	0.0	0.0	20.9	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	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 07:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	41.4	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	<1.0	0.0	20.9
11/04/2013 08:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	107.4	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.7	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 09:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	125.6	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	2.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 10:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	213.9	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	2.2	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/04/2013 11:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	177.3	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.8	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/05/2013 12:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	136.2	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.5	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/05/2013 01:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	78.6	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.5	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/05/2013 02:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	55.1	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.5	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/05/2013 03:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	64.8	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.5	0.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9
11/05/2013 04:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	99.7	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.5	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
11/05/2013 05:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	123.5	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	1.6	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9

Notes:

A Code 3 was issued for the sink hole work area on 10/25/2013 and continues to remain in effect. Access to ORW-7a and ORW-8a is not allowed during times that a Code 3 is issued, thus no data is being collected for ORW-7a and ORW-8a at this time.

RTU-9, located at ORW-9, began recording elevated VOC readings at approximately 06:41 PM on 11/04/2013. RTU-2 replaced RTU-9 at 09:12 AM on 11/05/2013, and readings returned to normal. RTU-9 will be serviced by onsite technician before being redeployed.

Beginning at approximately 10:35 AM on 11/03/2013, data was not properly transmitted due to a computer malfunction. Available data was retrieved from deployed units equipped with internal data loggers. Efforts are being made so that all units will be equipped with internal data loggers. Additionally, a new monitoring computer is being installed on 11/05/2013.

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: David Gnage

Date: 11/4/13

Company: RESPEC

Job #: 02241

Personnel	Company	Job Title
Peter Smith, CPG	RESPEC	Staff Geologist

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

DAILY ACTIVITY:

Attended Daily Contractor meeting.

DPVE pilot program:

Demobilizing equipment from NSDBS#47 pilot study site.

MiHPT Program:

Collected GPS data for MiHPT boring locations.

Instrumentation Program:

No Work Conducted.

PROPOSED SCHEDULE:

DPVE pilot program:

Continue demobilization.

Other Programs:

Conduct preliminary abandoned casing survey with a Schonstedt magnetic locator.

Initials: DJG

Michael Pisani & Associates

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: Patrick Ritchie

Date: 10/29/2013

Company: MP&A

Work Order # 80-05

Health and Safety Meeting YES NO

Weather: 88 F Partly Cloudy

<u>Personnel</u>	<u>Company</u>	<u>Job Title</u>
<u>Patrick Ritchie</u>	<u>MP&A</u>	<u>Environmental Scientist</u>
<u>Erick Kocken</u>	<u>MP&A</u>	<u>Environmental Scientist</u>
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Site Activities: Start Time 7:00 End Time 17:00

Equipment On-site: Airboat

Daily Activity:
Monitor cavern operations; on stand by for H2S field screening of brine liquids
Observe, video, measure bubble sites
Collect laboratory samples from Outfall #2
Download transducer data
Measure water level for the MRAA wells
Measure pressure at TBC#3

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 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: 10/30/2013

Company: MP&A

Work Order # 80-05

Health and Safety Meeting YES NO

Weather: _____

Personnel	Company	Job Title

Site Activities: Start Time _____ End Time _____

Equipment On-site:

Daily Activity:
Monitor cavern operations; on stand by for H2S field screening of brine liquids
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: 10/31/2013

Company: MP&A

Work Order # 80-05

Health and Safety Meeting YES NO

Weather: 84 F Partly Cloudy

<u>Personnel</u>	<u>Company</u>	<u>Job Title</u>
<u>Patrick Ritchie</u>	<u>MP&A</u>	<u>Environmental Scientist</u>
<u>Eric Kocken</u>	<u>MP&A</u>	<u>Environmental Scientist</u>
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Site Activities: Start Time 8:30 End Time 15:15

Equipment On-site:

Daily Activity:
Monitor cavern operations; on stand by for H2S field screening of brine liquids
Measure pressure and water level at TBC Geoprobe locations
Measure pressure and water level at CBI Geoprobe locations

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 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
 Company: MP&A

Date: 11/1/2013
 Work Order # 80-05

Health and Safety Meeting YES NO

Weather: _____

Personnel	Company	Job Title

Site Activities: Start Time _____ End Time _____

Equipment On-site:

Daily Activity:
 Monitor cavern operations; on stand by for H2S field screening of brine liquids
 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
Company: MP&A

Date: 11/2/2013
Work Order # 80-05

Health and Safety Meeting YES NO

Weather: _____

<u>Personnel</u>	<u>Company</u>	<u>Job Title</u>

Site Activities: Start Time _____ End Time _____

Equipment On-site:

Daily Activity:
Monitor cavern operations; on stand by for H2S field screening of brine liquids
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: 11/3/2013

Company: MP&A

Work Order # 80-05

Health and Safety Meeting YES NO

Weather: _____

<u>Personnel</u>	<u>Company</u>	<u>Job Title</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

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 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
 Company: MP&A

Date: 11/4/2013
 Work Order # 80-05

Health and Safety Meeting YES NO

Weather: 70 F Partly Cloudy

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

Site Activities: Start Time 9:30 End Time 16:30

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

Daily Activity:
 Set up at MRAA-8D location.
 Advanced 8 5/8" surface casing to 80' bgs
 Collect laboratory sample from industrial wells
 Conduct in-situ monitoring of industrial 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 transducer data
 Advance 8 5/8" surface casing to 160' bgs
 Estimated time of completion:
 On-going

Initials: PMR