



Texas Brine Company, LLC

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November 15, 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 - 07:05 - 08:30 Roxana Dubose (Code Red) - 07:00 - 17:00		11/14/2013		NA	NA	NA	NA	11/15/2013
	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		11/14/2013		NA	NA	NA	NA	NA
	Well Gas Sampling	Steven Shaughnessy ORW-6 at 13:42 and 13:55 ORW-19 at 14:04		11/14/2013		Yes (via SPL for the samples going to Schlumberger)	No	Schlumberger Isotech	IFT Isotopic	upon receipt of results from labs
	Under Slab Gas Sampling	No work performed		11/14/2013		NA	NA	NA	NA	NA
	Indoor Air Monitoring	No work performed		11/14/2013		NA	NA	NA	NA	NA
Respec	Inclinometers/Tilt Meters/Transducers	11/14/2013	Install housing and battery at IPI 26. Install posts at sites 30 & 40. Set AR at sites 23, 27, 28, 38.	E. Krantz, J. Knight	NA	NA	NA	NA	NA	NA
	InSAR Reflector Installations	11/14/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Subsidence Survey-Fenstermaker	11/14/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Shallow Geophone Installation	11/14/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Deep Geophone Installation	11/14/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Amendment #3, Directive #2	11/14/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Expansion of geoprobe gas sampling locations	11/14/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	DPVE	11/14/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	Abandon Casing Survey	11/14/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
	MIHPT	11/14/2013	No work Conducted	NA	NA	NA	NA	NA	NA	NA
Miller	Weekly Stability Survey	NA		November 14, 2013		NA	NA	NA	NA	NA
	Misc. Survey Work	H. Sauce		November 14, 2013		NA	NA	NA	NA	NA
	Sinkhole Hydro/Perimeter Survey	H. Sauce		November 14, 2013		NA	NA	NA	NA	NA
Pisani	Surface Water	NA		NA		NA	NA	NA	NA	NA
	Sinkhole	PMR/ENK		11/14/2013		11/15/2013	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, Stable isotope analysis	NA
	Industrial Well Water	NA		NAQ		NA	NA	NA	NA	NA
	MRAA Well Water	NA		NA		NA	NA	NA	NA	NA
	GP/ORW Water	PMR		11/13/2013		11/13/2013	NA	Schlumberger	IFT Analysis	NA
	Cavern Water	NA		NA		NA	NA	NA	NA	NA
	Discharge/Outfall Water	NA		NA		NA	NA	NA	NA	NA
	Geoprobe Wells	NA		NA		NA	NA	NA	NA	NA
Grand Bayou Well 3A										
Daily Operations at 3A		Summary of Today's events								
11/15/2013		Oxy 3A								
7am		798.05 11/15/2013								
11/15/2013		Relief Well #1								
11/15/2013		See ORW-01 Flare Spreadsheet								

Attachments

Daily Action Summary

November 14, 2013

Stationary Air Monitoring

- Steven Shaughnessy onsite from 07:05 to 08:30. Changed out the monitors between 07:21 and 08:15. Collected data from the monitoring database and forwarded to Jill Martin in the Baton Rouge office for processing.
- Roxana Dubose of Code Red (monitor sub-contractor) onsite from 07:00 to 17:00. Assisted in battery change outs and maintenance of the monitoring equipment.

Residential Air Monitoring

- Sage has been requested to suspend bimonthly residential air monitoring. Therefore, Sage will discontinue these activities. The last event was conducted on March 26, 2013.

Gas Seep Sampling

- Not Scheduled

Well Gas Sampling

- As part of the Comprehensive MRAA Sampling Program, samples were collected from the following wells by Steven Shaughnessy:
 - ORW-6 at 13:42 and 13:55
 - ORW-19 at 14:04

Samples collected for isotopic analysis were shipped to Isotech Laboratories in Illinois. Samples collected for interfacial tension analysis were delivered to the Accutest service center where the samples will be transported to the SPL Louisiana laboratory for shipment to the Schlumberger Reservoir Laboratory in Texas.

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 (%)
11/14/2013 01:00:00 AM	0.0	0.0	0.0	0.0	20.6	0.0	<1.0	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	1.9	0.0	0.0	20.9
11/14/2013 02:00:00 AM	0.0	0.0	0.0	0.0	20.6	0.0	<1.0	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	1.9	0.0	0.0	20.9
11/14/2013 03:00:00 AM	0.0	0.0	0.0	0.0	20.6	0.0	<1.0	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	2.0	0.0	0.0	20.9
11/14/2013 04:00:00 AM	0.0	0.0	0.0	0.0	20.6	0.0	<1.0	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	1.9	0.0	0.0	20.9
11/14/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.6	0.0	<1.0	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	1.9	0.0	0.0	20.9
11/14/2013 06:00:00 AM	0.0	0.0	0.0	0.0	20.6	0.0	<1.0	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	2.0	0.0	0.0	20.8
11/14/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.6	<1.0	<1.0	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	<1.0	0.0	0.0	20.8
11/14/2013 08:00:00 AM	0.0	<1.0	0.0	0.0	20.8	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9
11/14/2013 09:00:00 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
11/14/2013 10:00:00 AM	0.0	0.0	0.0	0.0	21.0	<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
11/14/2013 11:00:00 AM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9
11/14/2013 12:00:00 PM	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9
11/14/2013 01:00:00 PM	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.4	0.0	<1.0	0.0	0.0	21.2
11/14/2013 02:00:00 PM	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.2
11/14/2013 03:00:00 PM	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/14/2013 04:00:00 PM	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/14/2013 05:00:00 PM	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.1
11/14/2013 06:00:00 PM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1
11/14/2013 07:00:00 PM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/14/2013 08:00:00 PM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/14/2013 09:00:00 PM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/14/2013 10:00:00 PM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1
11/14/2013 11:00:00 PM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1
11/15/2013 12:00:00 AM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2

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)

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 (%)
11/14/2013 05:00:00 AM	0.0	0.0	0.0	0.0	20.6	0.0	<1.0	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	1.9	0.0	0.0	20.9
11/14/2013 06:00:00 AM	0.0	0.0	0.0	0.0	20.6	0.0	<1.0	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	2.0	0.0	0.0	20.8
11/14/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.6	<1.0	<1.0	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	<1.0	0.0	0.0	20.8
11/14/2013 08:00:00 AM	0.0	<1.0	0.0	0.0	20.8	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	20.9
11/14/2013 09:00:00 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
11/14/2013 10:00:00 AM	0.0	0.0	0.0	0.0	21.0	<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
11/14/2013 11:00:00 AM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	20.9
11/14/2013 12:00:00 PM	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	20.9
11/14/2013 01:00:00 PM	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.4	0.0	<1.0	0.0	0.0	21.2
11/14/2013 02:00:00 PM	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.5	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.2
11/14/2013 03:00:00 PM	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/14/2013 04:00:00 PM	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/14/2013 05:00:00 PM	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	21.1
11/14/2013 06:00:00 PM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	21.1	0.0	<1.0	0.0	0.0	21.1	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1
11/14/2013 07:00:00 PM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
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11/14/2013 10:00:00 PM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1
11/14/2013 11:00:00 PM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1
11/15/2013 12:00:00 AM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/15/2013 01:00:00 AM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1
11/15/2013 02:00:00 AM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/15/2013 03:00:00 AM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.2
11/15/2013 04:00:00 AM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1
11/15/2013 05:00:00 AM	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.1

Notes:

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: David Gnage

Company: RESPEC

Date: 11/14/13

Job #: 02241

Personnel	Company	Job Title
Eric Krantz, PE	RESPEC	Staff Engineer
John Knight	RESPEC	Staff Geologist

Time Onsite: Start Time: 7:15 End Time: 18:15

DAILY ACTIVITY:

Attended Daily Contractor meeting.

Instrumentation Program:

Installed IPI housing post and new battery at site IPI 26. Installed post at locations 30 & 40. Reinforced IPI housing at IPI 26. Set ARs at sites 23, 27, 28, 38.

Other Programs:

No Work Conducted.

PROPOSED SCHEDULE:

Instrumentation Program:

Reinforced IPI housing at new site 01, move instrumentation to new site 01. Install IPI at site 26. Install water level instrumentation at site 25.

Other Programs:

No Work Currently Scheduled.

Initials: DJG

ME&A Daily Action Summary

November 14, 2013

Subsidence Survey:

- No Work Done

Sinkhole Perimeter/Hydrographic Survey:

- Perimeter Survey of Sinkhole

Support Sinkhole Cleanup

- No Work Done

Misc. Survey Work

- Arrived @ 8:30 am
- Surveyed Containment Berm Settlement Plates
- Departed @ 3:30 pm

Michael Pisani & Associates
Texas Brine, L.L.C.
Assumption Parish, Louisiana
Daily Field Report

Report By: Patrick Ritchie
 Company: MP&A

Date: 11/13/2013
 Work Order # 80-05

Health and Safety Meeting YES NO

Weather: 50 F overcast, 10-15 mph wind

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

Site Activities: Start Time 6:55 End Time 16:30

Equipment On-site:
 Sonic Rig Airboat
 Skid Steer
 Vac Truck
 Truck with poly tank

Daily Activity:
 Grouted MRAA-8D.
 Moved to MRAA-5D, rigged up and advance 6 5/8" sonic to bottom of surface casing at 160' bgs.
 Observe, video, measure bubble sites
 Collect laboratory sample from NSDMW-15

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: 11/14/2013
 Work Order # 80-05

Health and Safety Meeting YES NO

Weather: 45 F overcast

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

Site Activities: Start Time 6:55 End Time 16:30

Equipment On-site:

Sonic Rig Airboats (3)
 Skid Steer
 Vac Truck
 Truck with poly tank

Daily Activity:

Advanced 6 5/8" sonic pipe to 347' bgs at MRAA-5D location.
 Set well at MRAA-5D, screened 330 to 340' bgs. Native collapse of 11', placed 20/40 sand and bentonite pellets.
 Measure pressure and water level at TBC Geoprobe locations
 Measure pressure and water level at CBI Geoprobe locations
 Collect laboratory samples from sinkhole at surface to depth
 Conduct sinkhole profile in 4 locations from surface to depth

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