



Texas Brine Company, LLC

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May 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 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 | William Verrett - 08:00 - 08:47 Pete Hyatt IV (Code Red) - 07:00 - 17:00 | | 5/9/2013 | | NA | NA | NA | AreaRAE Monitors | 5/10/2013 |
| | 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 | | 5/9/2013 | | NA | NA | NA | NA | NA |
| | Well Gas Sampling | No work performed | | 5/9/2013 | | NA | NA | NA | NA | NA |
| | Under Slab Gas Sampling | No work performed | | 5/9/2013 | | NA | NA | NA | NA | NA |
| | Indoor Air Monitoring | No work performed | | 5/9/2013 | | NA | NA | NA | NA | NA |
| Respec | Inclinometers/Tilt Meters | 5/8-5/9/2013 | No work conducted | No work conducted | NA | NA | NA | NA | NA | NA |
| | InSAR Reflector Installations | 5/8-5/9/2013 | No work conducted | No work conducted | NA | NA | NA | NA | NA | NA |
| | Subsidence Survey-Fenstermaker | 5/8-5/9/2013 | No work conducted | No work conducted | NA | NA | NA | NA | NA | NA |
| | Shallow Geophone Installation | 5/8-5/9/2013 | No work conducted | No work conducted | NA | NA | NA | NA | NA | NA |
| | Deep Geophone Installation | 5/8-5/9/2013 | No work conducted | No work conducted | NA | NA | NA | NA | NA | NA |
| | Amendment #3, Directive #2 | 5/8-5/9/2013 | No work conducted | No work conducted | NA | NA | NA | NA | NA | NA |
| | Expansion of geoprobe gas sampling locations | 5/8-5/9/2013 | Soil sample at GP-BS-6, Soil sample at GP-BS-14, GP-BS-15 | Peter Smith | 5/9/2013 | NA | NA | Ardaman | NA | NA |
| | Weekly Stability Survey | Herchel Sauce | | May 8, 2013 | | NA | NA | NA | NA | NA |
| Misc. Survey Work | Kevin Pichoff | | May 8, 2013 | | NA | NA | NA | NA | NA | |
| Sinkhole Hydro/Perimeter Survey | No Work Performed | | 5/8-5/9/2013 | | NA | NA | NA | NA | NA | |
| Pisani | Surface Water | NA | | NA | | NA | NA | NA | NA | NA |
| | Industrial Well Water | NA | | NA | | NA | NA | NA | NA | NA |
| | MRAAWell 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 | | <u>Summary of Today's events</u> | | | | | | | | |
| | | Oxy 3A | | | | | | | | |
| 5/10/2013 | | 7am | 471.8 | 5/10/2013 | | | | | | |
| 5/10/2013 | | Relief Well #1 | | | | | | | | |
| | | See ORW-01 Flare Spreadsheet | | | | | | | | |

Attachments

Daily Action Summary

May 9, 2013

Stationary Air Monitoring

- William Verrett onsite from 08:00 – 08:47. Changed out the monitors between 08:17 and 08:38. Collected data from the monitoring database and forwarded to Eric Rucinski in the Baton Rouge office for processing.
- Pete Hyatt IV 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)

| Date-Time * | South-most Pipeline Site | | | | | Middle-most Pipeline Site | | | | | North-most Pipeline Site | | | | | On Drill Rig Boom | | | | | Onsite Trailers | | | | |
|------------------------|--------------------------|-----------------------|-----------|---------|--------|---------------------------|-----------------------|-----------|---------|--------|--------------------------|-----------------------|-----------|---------|--------|-------------------|-----------------------|-----------|---------|--------|-----------------|-----------------------|-----------|---------|--------|
| | ST-3 | | | | | ST-2 | | | | | ST-1 | | | | | OG 3A-1 | | | | | 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 (%) |
| 05/09/2013 01:00:00 AM | <1.0 | 8.9 | <1.0 | 0.0 | 20.9 | <1.0 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 1.2 | 0.0 | 7.3 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 21.0 |
| 05/09/2013 02:00:00 AM | <1.0 | 14.6 | <1.0 | 0.0 | 20.9 | <1.0 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 1.2 | 0.0 | 8.7 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 |
| 05/09/2013 03:00:00 AM | <1.0 | 19.0 | <1.0 | 0.0 | 20.9 | <1.0 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 1.3 | 0.0 | 9.2 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 |
| 05/09/2013 04:00:00 AM | <1.0 | 24.4 | <1.0 | 0.0 | 20.9 | <1.0 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 1.3 | 0.0 | 10.4 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 |
| 05/09/2013 05:00:00 AM | <1.0 | 29.7 | <1.0 | 0.0 | 20.9 | <1.0 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 1.3 | 0.0 | 11.3 | 20.9 | 0.0 | <1.0 | 0.0 | 0.0 | 20.9 |
| 05/09/2013 06:00:00 AM | <1.0 | 26.5 | <1.0 | 0.0 | 20.9 | <1.0 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 1.3 | 0.0 | 13.5 | 20.9 | 0.0 | <1.0 | 0.0 | 0.0 | 20.9 |
| 05/09/2013 07:00:00 AM | <1.0 | 27.3 | <1.0 | 0.0 | 20.9 | <1.0 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 1.3 | 0.0 | 10.1 | 20.9 | <1.0 | <1.0 | 0.0 | 0.0 | 20.9 |
| 05/09/2013 08:00:00 AM | <1.0 | 11.1 | <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 | <1.0 | <1.0 | 0.0 | <1.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.1 |
| 05/09/2013 09:00:00 AM | <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 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/09/2013 10:00:00 AM | <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 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/09/2013 11:00:00 AM | <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 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 12:00:00 PM | <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 | 21.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 01:00:00 PM | <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 | 21.2 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 02:00:00 PM | <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 | 21.2 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 03:00:00 PM | <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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.4 |
| 05/09/2013 04:00:00 PM | <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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.4 |
| 05/09/2013 05:00:00 PM | <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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 06:00:00 PM | <1.0 | 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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.4 |
| 05/09/2013 07:00:00 PM | <1.0 | 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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 08:00:00 PM | <1.0 | 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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 09:00:00 PM | <1.0 | 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 | 21.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 10:00:00 PM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 11:00:00 PM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/10/2013 12:00:00 AM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |

Notes:

RTU-8, located at OG3A-1, recorded elevated LEL readings from approximately 01:20 AM to 08:00 AM on 5/9/2013.

RTU-9, located at ST-3, recorded elevated VOC readings from approximately 01:30 AM to 08:40 AM. Possible cause may be due to an issue with the VOC sensor on the monitor. The onsite technician inspected and replaced the VOC sensor on RTU-9.

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 * | South-most Pipeline Site | | | | | Middle-most Pipeline Site | | | | | North-most Pipeline Site | | | | | On Drill Rig Boom | | | | | Onsite Trailers | | | | |
|------------------------|--------------------------|-----------------------|-----------|---------|--------|---------------------------|-----------------------|-----------|---------|--------|--------------------------|-----------------------|-----------|---------|--------|-------------------|-----------------------|-----------|---------|--------|-----------------|-----------------------|-----------|---------|--------|
| | ST-3 | | | | | ST-2 | | | | | ST-1 | | | | | OG 3A-1 | | | | | 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 (%) |
| 05/09/2013 05:00:00 AM | <1.0 | 29.7 | <1.0 | 0.0 | 20.9 | <1.0 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 1.3 | 0.0 | 11.3 | 20.9 | 0.0 | <1.0 | 0.0 | 0.0 | 20.9 |
| 05/09/2013 06:00:00 AM | <1.0 | 26.5 | <1.0 | 0.0 | 20.9 | <1.0 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 1.3 | 0.0 | 13.5 | 20.9 | <1.0 | <1.0 | 0.0 | 0.0 | 20.9 |
| 05/09/2013 07:00:00 AM | <1.0 | 27.3 | <1.0 | 0.0 | 20.9 | <1.0 | 0.0 | 0.0 | 0.0 | 20.9 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 1.3 | 0.0 | 10.1 | 20.9 | <1.0 | <1.0 | 0.0 | 0.0 | 20.9 |
| 05/09/2013 08:00:00 AM | <1.0 | 11.1 | <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 | <1.0 | <1.0 | 0.0 | <1.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.1 |
| 05/09/2013 09:00:00 AM | <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 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/09/2013 10:00:00 AM | <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 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/09/2013 11:00:00 AM | <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 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 12:00:00 PM | <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 | 21.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 01:00:00 PM | <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 | 21.2 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 02:00:00 PM | <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 | 21.2 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 03:00:00 PM | <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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.4 |
| 05/09/2013 04:00:00 PM | <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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.4 |
| 05/09/2013 05:00:00 PM | <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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 06:00:00 PM | <1.0 | 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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.4 |
| 05/09/2013 07:00:00 PM | <1.0 | 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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 08:00:00 PM | <1.0 | 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 | 21.1 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 09:00:00 PM | <1.0 | 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 | 21.0 | 0.0 | 0.0 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 10:00:00 PM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.3 |
| 05/09/2013 11:00:00 PM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/10/2013 12:00:00 AM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/10/2013 01:00:00 AM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/10/2013 02:00:00 AM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/10/2013 03:00:00 AM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/10/2013 04:00:00 AM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |
| 05/10/2013 05:00:00 AM | <1.0 | 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 | 0.0 | 0.0 | 20.9 | <1.0 | 0.0 | <1.0 | 0.0 | 21.2 |

Notes:

RTU-8, located at OG3A-1, recorded elevated LEL readings from approximately 01:20 AM to 08:00 AM on 5/9/2013.

RTU-9, located at ST-3, recorded elevated VOC readings from approximately 01:30 AM to 08:40 AM. Possible cause may be due to an issue with the VOC sensor on the monitor. The onsite technician inspected and replaced the VOC sensor on RTU-9.

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: Eric Krantz

Date: 05/08/13

Company: RESPEC

Work Order #: 0

| Personnel | Company | Job Title |
|------------------|---------|-----------|
| Peter Smith, CPG | RESPEC | Geologist |
| Eric Krantz, PE | RESPEC | Engineer |
| | | |
| | | |

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

(Note: on-site time only reflects time on-site; it does not reflect time taken for off-site activities)

Equipment Onsite:

Daily Activity:

Go to GP-BS-44, grout well.

Move to GP-BS-6; run EC; soil sample and set well; screen from 11-21

Move and set up on GP-BS-14.

Off site 17:00

Krantz working in office

Proposed Schedule: Install Geoprobe wells in bubble sites. Field prep and recon for expanded monitoring.

Initials: ELK

RESPEC Consulting & Services

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: Eric Krantz

Date: 05/09/13

Company: RESPEC

Work Order #: 0

| Personnel | Company | Job Title |
|------------------|---------|-----------|
| Peter Smith, CPG | RESPEC | Geologist |
| Eric Krantz, PE | RESPEC | Engineer |
| | | |
| | | |

Time Onsite: Start Time: 7:00 End Time: 16:30

(Note: on-site time only reflects time on-site; it does not reflect time taken for off-site activities)

Equipment Onsite:

Daily Activity:

Go to GP-BS-14; run EC, soil sample and set well; screen from 22-32
Move to GP-BS-15; run EC, soil sample and set well; screen from 14-24. Significant gas present.
Move barge back to landing
Krantz working in office

Proposed Schedule: Install Geoprobe wells in bubble sites.

Initials: ELK

ME&A Daily Action Summary

May 8, 2013

Subsidence Survey:

- Arrived @ 8:30 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 & 3), water wells (1,2 & 3), TBM's, and the two brine storage tanks. Attached is a spreadsheet with the results.

Sinkhole Perimeter/Hydrographic Survey:

- No Work Done

Support Sinkhole Cleanup

- No Work Done

Misc. Survey Work

- Performed settlement plate level survey for containment levee.
- Staked G-01 geophone well on new pad location.
- Departed @ 3:00 pm

ME&A Daily Action Summary

May 9, 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