



# Texas Brine Company, LLC

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January 20, 2014

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](mailto: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	No Sage personnel onsite, Megan Tramonte (CodeRed) - 07:00 - 18:00; No Sage personnel onsite, Megan Tramonte (CodeRed) - 07:00 - 12:00; No Sage personnel onsite, Megan Tramonte (CodeRed) - 07:00 - 13:00	1/17 - 1/19/2014		NA	NA	NA	NA	1/18- 1/20/2014
	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	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	Well Gas Sampling	No work performed	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	Under Slab Gas Sampling	No work performed	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	Indoor Air Monitoring	No work performed	1/17 - 1/19/2014		NA	NA	NA	NA	NA
Respec	Inclinometers/Tilt Meters/Transducers	1/17 - 1/19/2014	Relocate site 89 / Relocate site 89. IPI recon	Eric Krantz	NA	NA	NA	NA	NA
	InSAR Reflector Installations	1/17 - 1/19/2014	No work Conducted	NA	NA	NA	NA	NA	NA
	Subsidence Survey-Fenstermaker	1/17 - 1/19/2014	No work Conducted	NA	NA	NA	NA	NA	NA
	Shallow Geophone Installation	1/17 - 1/19/2014	No work Conducted	NA	NA	NA	NA	NA	NA
	Deep Geophone Installation	1/17 - 1/19/2014	No work Conducted	NA	NA	NA	NA	NA	NA
	Amendment #3, Directive #2	1/17 - 1/19/2014	No work Conducted	NA	NA	NA	NA	NA	NA
	Expansion of geoprobe gas sampling locations	1/17 - 1/19/2014	No work Conducted	NA	NA	NA	NA	NA	NA
	DPVE	1/17 - 1/19/2014	No work Conducted	NA	NA	NA	NA	NA	NA
	Abandon Casing Survey	1/17 - 1/19/2014	No work Conducted	NA	NA	NA	NA	NA	NA
	Passive Vent Wells	1/17 - 1/19/2014	Grouting and wellhead assembly / Coring of 3 soil borings at NSDMW006 / Drilling and grouting at PVW-01 at PVW-03.	John Knight	NA	NA	NA	NA	NA
MIHPT	1/17 - 1/19/2014	No work Conducted	NA	NA	NA	NA	NA	NA	
Miller	Weekly Stability Survey	M. Fore	1/14-1/17/2014		NA	NA	NA	NA	NA
	Misc. Survey Work	M. Fore	1/14-1/17/2014		NA	NA	NA	NA	NA
	Sinkhole Hydro/Perimeter Survey	M. Fore / K. Pichoff	1/14-1/17/2014		NA	NA	NA	NA	NA
Pisani	Surface Water	NA	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	Sinkhole	NA	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	Industrial Well Water	NA	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	MRAA Well Water	NA	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	GP/ORW Water	NA	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	Cavern Water	NA	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	Discharge/Outfall Water	NA	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	Geoprobe Wells	NA	1/17 - 1/19/2014		NA	NA	NA	NA	NA
	Grand Bayou Well 3A								
Daily Operations at 3A		Summary of Today's events							
1/18 - 1/20/2014		Oxy 3A							
	7am	1113.05	1/18/2014						
	7am	1110.23	1/19/2014						
	7am	1106.25	1/20/2014						
1/18 - 1/20/2014		Relief Well #1							
1/18 - 1/20/2014		See ORW-01 Flare Spreadsheet							

## **Attachments**

## Daily Action Summary

January 17, 2014

### Sinkhole Perimeter Air Monitoring and Neighborhood Air Monitoring

- The following locations are equipped with solar-powered weather boxes: Pad #9, TR-1a, ORW-11a, ORW-9a, ORW-5, and PVW-BS-56a. And, the following locations are equipped with electrical power: ORW-49-WH and ORW-50-WH. Thus, daily monitor change-out is no longer necessary for these locations. All monitors will continue to be calibrated and serviced as necessary.
- No Sage personnel onsite.
- Megan Tramonte of Code Red (monitor sub-contractor) onsite from 07:00 to 18:00. Assisted in maintenance of the monitoring equipment as necessary.

NOTE: Monitoring at PVW-03-S ended at approximately 16:30 on 01/17/2014. Installation of PVW-03 was completed; thus, this monitoring location is no longer necessary.

RTU-6, located at PVW-3, recorded elevated LEL readings from approximately 08:17 to 10:34 on 01/17/2014 and from approximately 22:33 on 01/17/2014 to 08:15 on 01/18/2014. The highest instantaneous reading recorded was 5%. At approximately 08:15 on 01/18/2014, the onsite technician fresh air calibrated RTU-6, and LEL readings returned to 0%.

Additionally, ORW-11a experienced downtime from approximately 10:45 to 12:34 on 01/17/2014 due to a pump failure on RTU-10. RTU-12 replaced RTU-10 at approximately 12:35 on 01/17/2014, and normal data collection resumed.

### 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)

Date-Time *	Observation Relief Well -49 at the Well Head ORW-49-WH			Observation Relief Well - 50 at the Well Head ORW-50-WH			Passive Vent Well -56 PVW-BS-56a			Passive Vent Well - 03 PVW-03			Passive Vent Well - 03 Downwind Monitoring PVW-03-S		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/17/2014 01:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.2	0.0	0.0	20.8
01/17/2014 02:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.6	0.0	0.0	21.0
01/17/2014 03:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.8	0.0	0.0	21.0
01/17/2014 04:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.8	0.0	0.0	21.0
01/17/2014 05:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.8	0.0	0.0	20.7
01/17/2014 06:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.8	0.0	0.0	20.4
01/17/2014 07:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.8	0.0	0.0	20.9
01/17/2014 08:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	2.8	20.6	<1.0	0.0	20.5
01/17/2014 09:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	<1.0	21.0	<1.0	0.0	20.8
01/17/2014 10:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	<1.0	21.0	<1.0	0.0	21.0
01/17/2014 11:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0	0.0	<1.0	21.0	0.0	0.0	21.0
01/17/2014 12:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 01:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 02:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 03:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 04:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 05:00:00 PM	0.0	0.0	21.3	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0			
01/17/2014 06:00:00 PM	0.0	0.0	21.2	0.0	0.0	20.9	0.0	0.0	21.1	0.0	0.0	21.0			
01/17/2014 07:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0			
01/17/2014 08:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0			
01/17/2014 09:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0			
01/17/2014 10:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	1.3	21.0			
01/17/2014 11:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	3.0	21.0			
01/18/2014 12:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	3.0	21.0			

Monitoring at PVW-03-S ended at approximately 4:30 PM on 01/17/2014. Installation of PVW-03 was completed; thus, this monitoring location is no longer necessary.

Notes:  
RTU-6, located at PVW-3, recorded elevated LEL readings from approximately 08:17 AM to 10:34 AM on 01/17/2014 and from approximately 10:33 PM on 01/17/2014 to 08:15 AM on 01/18/2014. The highest instantaneous reading recorded was 5%. At approximately 08:15 AM on 01/18/2014, the onsite technician fresh air calibrated RTU-6, and LEL readings returned to 0%.

**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)

Date-Time *	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				
	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 (%)
01/17/2014 01:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.6	<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	0.0	20.9
01/17/2014 02:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.6	<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	0.0	20.9
01/17/2014 03:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<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	0.0	20.9
01/17/2014 04:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.6	<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	0.0	20.9
01/17/2014 05:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 06:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 07:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.5	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 08:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.5	<1.0	<1.0	<1.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/17/2014 09:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.8	<1.0	<1.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 10:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	1.2	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 11:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.4	Downtime - See Note					0.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 12:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.4	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 01:00:00 PM	<1.0	<1.0	0.0	0.0	21.3	<1.0	<1.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.1	<1.0	0.0	0.0	0.0	20.9
01/17/2014 02:00:00 PM	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	20.9
01/17/2014 03:00:00 PM	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.3	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	20.9
01/17/2014 04:00:00 PM	<1.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.3	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	20.9
01/17/2014 05:00:00 PM	<1.0	0.0	0.0	0.0	21.3	<1.0	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	21.3	<1.0	0.0	0.0	0.0	20.9
01/17/2014 06:00:00 PM	<1.0	0.0	0.0	0.0	21.3	<1.0	<1.0	0.0	0.0	21.0	1.1	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	20.9
01/17/2014 07:00:00 PM	<1.0	<1.0	0.0	0.0	21.2	<1.0	<1.0	0.0	0.0	20.9	1.4	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.1	<1.0	0.0	0.0	0.0	20.9
01/17/2014 08:00:00 PM	<1.0	<1.0	0.0	0.0	21.1	<1.0	<1.0	0.0	0.0	20.9	1.3	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 09:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.5	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 10:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.4	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 11:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.4	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/18/2014 12:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.7	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9

Notes:

ORW-11a experienced downtime from approximately 10:45 AM to 12:34 PM on 01/17/2014 due to a pump failure on RTU-10. RTU-12 replaced RTU-10 at approximately 12:35 PM on 01/17/2014, and normal data collection resumed.

**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)

Date-Time *	Observation Relief Well -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56			Passive Vent Well - 03			Passive Vent Well - 03 Downwind Monitoring		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03			PVW-03-S		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/17/2014 05:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.8	0.0	0.0	20.7
01/17/2014 06:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.8	0.0	0.0	20.4
01/17/2014 07:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.8	0.0	0.0	20.9
01/17/2014 08:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	2.8	20.6	<1.0	0.0	20.5
01/17/2014 09:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	<1.0	21.0	<1.0	0.0	20.8
01/17/2014 10:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	<1.0	21.0	<1.0	0.0	21.0
01/17/2014 11:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.0	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 12:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 01:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 02:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 03:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 04:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	0.0	0.0	21.0
01/17/2014 05:00:00 PM	0.0	0.0	21.3	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0	Monitoring at PVW-03-S ended at approximately 4:30 PM on 01/17/2014. Installation of PVW-03 was completed; thus, this monitoring location is no longer necessary.		
01/17/2014 06:00:00 PM	0.0	0.0	21.2	0.0	0.0	20.9	0.0	0.0	21.1	0.0	0.0	21.0			
01/17/2014 07:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0			
01/17/2014 08:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0			
01/17/2014 09:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0			
01/17/2014 10:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	1.3	21.0			
01/17/2014 11:00:00 PM	<1.0	0.0	20.9	0.0	<1.0	20.9	0.0	0.0	20.9	0.0	3.0	21.0			
01/18/2014 12:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	3.0	21.0			
01/18/2014 01:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	3.5	21.0			
01/18/2014 02:00:00 AM	<1.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	21.0			
01/18/2014 03:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	21.0			
01/18/2014 04:00:00 AM	<1.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	20.6			
01/18/2014 05:00:00 AM	<1.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	20.1			

Notes:  
RTU-6, located at PVW-3, recorded elevated LEL readings from approximately 08:17 AM to 10:34 AM on 01/17/2014 and from approximately 10:33 PM on 01/17/2014 to 08:15 AM on 01/18/2014. The highest instantaneous reading recorded was 5%. At approximately 08:15 AM on 01/18/2014, the onsite technician fresh air calibrated RTU-6, and LEL readings returned to 0%.

**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)

Date-Time *	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				
	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 (%)
01/17/2014 05:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 06:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.6	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 07:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.5	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 08:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.5	<1.0	<1.0	<1.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/17/2014 09:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	<1.0	<1.0	0.0	20.8	<1.0	<1.0	<1.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 10:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	1.2	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 11:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.4	Downtime - See Note					0.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 12:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.4	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 01:00:00 PM	<1.0	<1.0	0.0	0.0	21.3	<1.0	<1.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	21.1	<1.0	0.0	0.0	0.0	20.9
01/17/2014 02:00:00 PM	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	20.9
01/17/2014 03:00:00 PM	0.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.3	<1.0	<1.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	20.9
01/17/2014 04:00:00 PM	<1.0	0.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	21.3	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	20.9
01/17/2014 05:00:00 PM	<1.0	0.0	0.0	0.0	21.3	<1.0	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	21.3	<1.0	0.0	0.0	0.0	20.9
01/17/2014 06:00:00 PM	<1.0	0.0	0.0	0.0	21.3	<1.0	<1.0	0.0	0.0	21.0	1.1	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.3	<1.0	0.0	0.0	0.0	20.9
01/17/2014 07:00:00 PM	<1.0	<1.0	0.0	0.0	21.2	<1.0	<1.0	0.0	0.0	20.9	1.4	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	21.1	<1.0	0.0	0.0	0.0	20.9
01/17/2014 08:00:00 PM	<1.0	<1.0	0.0	0.0	21.1	<1.0	<1.0	0.0	0.0	20.9	1.3	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 09:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.5	0.0	<1.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 10:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.4	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/17/2014 11:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.4	0.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/18/2014 12:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.7	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 01:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.6	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 02:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.6	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 03:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.7	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 04:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.6	<1.0	<1.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 05:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.8	<1.0	<1.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9

Notes:

ORW-11a experienced downtime from approximately 10:45 AM to 12:34 PM on 01/17/2014 due to a pump failure on RTU-10. RTU-12 replaced RTU-10 at approximately 12:35 PM on 01/17/2014, and normal data collection resumed.

## Daily Action Summary

January 18, 2014

### Sinkhole Perimeter Air Monitoring and Neighborhood Air Monitoring

- The following locations are equipped with solar-powered weather boxes: Pad #9, TR-1a, ORW-11a, ORW-9a, ORW-5, and PVW-BS-56a. And, the following locations are equipped with electrical power: ORW-49-WH and ORW-50-WH. Thus, daily monitor change-out is no longer necessary for these locations. All monitors will continue to be calibrated and serviced as necessary.
- No Sage personnel onsite.
- Megan Tramonte of Code Red (monitor sub-contractor) onsite from 07:00 to 12:00. Assisted in maintenance of the monitoring equipment as necessary.

NOTE: As discussed on the 01/17/2014 Daily Action Summary, RTU-6, located at PVW-03, recorded elevated LEL readings from approximately 22:33 on 01/17/2014 to 08:15 on 01/18/2014. The highest instantaneous reading recorded was 4%. At approximately 08:15 on 01/18/2014, the onsite technician fresh air calibrated RTU-6, and LEL readings returned to 0%.

Additionally, at approximately 13:49 on 01/18/2014, all sinkhole perimeter monitors stopped properly transmitting data due to radio signal issues. The onsite technician is working to retrieve this non-transmitted data from each respective internal data logger. A revised report will be sent as necessary. The recent connectivity issues associated with the sinkhole air monitoring network have been investigated, and a technician is scheduled to be onsite on 01/20/2014 to help resolve the issues.

### 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)

Date-Time *	Observation Relief Well -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56			Passive Vent Well - 03		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/18/2014 01:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	3.5	21.0
01/18/2014 02:00:00 AM	<1.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	21.0
01/18/2014 03:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	21.0
01/18/2014 04:00:00 AM	<1.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	20.6
01/18/2014 05:00:00 AM	<1.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	20.1
01/18/2014 06:00:00 AM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	20.0
01/18/2014 07:00:00 AM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	20.0
01/18/2014 08:00:00 AM	<1.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.9	0.0	<1.0	20.9
01/18/2014 09:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/18/2014 10:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/18/2014 11:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 12:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	<1.0	0.0	21.4	0.0	0.0	21.0
01/18/2014 01:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	21.3	0.0	0.0	21.0
01/18/2014 02:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	21.3	0.0	0.0	21.0
01/18/2014 03:00:00 PM	0.0	0.0	21.2	0.0	0.0	20.9	0.0	0.0	21.3	0.0	0.0	21.0
01/18/2014 04:00:00 PM	0.0	0.0	21.1	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 05:00:00 PM	0.0	0.0	21.5	0.0	0.0	20.9	0.0	0.0	21.3	0.0	0.0	21.0
01/18/2014 06:00:00 PM	0.0	0.0	21.4	0.0	0.0	20.9	0.0	0.0	21.3	0.0	0.0	21.0
01/18/2014 07:00:00 PM	0.0	0.0	21.3	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 08:00:00 PM	0.0	0.0	21.2	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 09:00:00 PM	0.0	0.0	21.2	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 10:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 11:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.1	0.0	0.0	21.0
01/19/2014 12:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0

Notes:

RTU-6, located at PVW-3, recorded elevated LEL readings from approximately 08:17 AM to 10:34 AM on 01/17/2014 and from approximately 10:33 PM on 01/17/2014 to 08:15 AM on 01/18/2014. The highest instantaneous reading recorded was 4%. At approximately 08:15 AM on 01/18/2014, the onsite technician fresh air calibrated RTU-6, and LEL readings returned to 0%.

**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)

Date-Time *	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				
	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 (%)
01/18/2014 01:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.6	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 02:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.6	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 03:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.7	<1.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 04:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.6	<1.0	<1.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 05:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.8	<1.0	<1.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 06:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.7	1.8	0.0	<1.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 07:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.6	1.7	<1.0	<1.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 08:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.6	1.6	0.0	<1.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 09:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/18/2014 10:00:00 AM	<1.0	0.0	0.0	0.0	20.9	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	<1.0	0.0	0.0	0.0	20.9
01/18/2014 11:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/18/2014 12:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.5	<1.0	0.0	0.0	0.0	21.0	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/18/2014 01:00:00 PM	<1.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.2	0.0	<1.0	<1.0	0.0	21.0	<1.0	0.0	0.0	0.0	21.1
01/18/2014 02:00:00 PM	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	21.3	Data not properly transmitted - see note.					<1.0	0.0	0.0	0.0	21.2
01/18/2014 03:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	21.3						<1.0	0.0	0.0	0.0	21.2
01/18/2014 04:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.4	0.0	<1.0	0.0	0.0	21.2						<1.0	0.0	0.0	0.0	21.2
01/18/2014 05:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	21.1						0.0	0.0	0.0	0.0	21.2
01/18/2014 06:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	<1.0	0.0	0.0	20.9						0.0	0.0	0.0	0.0	21.2
01/18/2014 07:00:00 PM	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	21.2	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	21.1
01/18/2014 08:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/18/2014 09:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/18/2014 10:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/18/2014 11:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	21.0
01/19/2014 12:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9

Notes:

At approximately 01:49 PM on 01/18/2014, all monitors stopped properly transmitting data due to radio signal issues. Non-transmitted data was retrieved from internal data loggers on RTU-1, RTU-7, RTU-8, and RTU-10. However, a malfunction occurred with the internal data logger on RTU-11, located at Pad #9, and the non-transmitted data could not be retrieved. The recent connectivity issues have been investigated, and a technician is scheduled to be onsite on 01/20/2014 to help resolve the issues.

**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)

Date-Time *	Observation Relief Well -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56			Passive Vent Well - 03		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/18/2014 05:00:00 AM	<1.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	20.1
01/18/2014 06:00:00 AM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	20.0
01/18/2014 07:00:00 AM	<1.0	0.0	20.5	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	4.0	20.0
01/18/2014 08:00:00 AM	<1.0	0.0	20.8	0.0	0.0	20.9	0.0	0.0	20.9	0.0	<1.0	20.9
01/18/2014 09:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/18/2014 10:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/18/2014 11:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 12:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	<1.0	0.0	21.4	0.0	0.0	21.0
01/18/2014 01:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	21.3	0.0	0.0	21.0
01/18/2014 02:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	21.3	0.0	0.0	21.0
01/18/2014 03:00:00 PM	0.0	0.0	21.2	0.0	0.0	20.9	0.0	0.0	21.3	0.0	0.0	21.0
01/18/2014 04:00:00 PM	0.0	0.0	21.1	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 05:00:00 PM	0.0	0.0	21.5	0.0	0.0	20.9	0.0	0.0	21.3	0.0	0.0	21.0
01/18/2014 06:00:00 PM	0.0	0.0	21.4	0.0	0.0	20.9	0.0	0.0	21.3	0.0	0.0	21.0
01/18/2014 07:00:00 PM	0.0	0.0	21.3	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 08:00:00 PM	0.0	0.0	21.2	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 09:00:00 PM	0.0	0.0	21.2	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 10:00:00 PM	0.0	0.0	21.0	0.0	0.0	20.9	0.0	0.0	21.2	0.0	0.0	21.0
01/18/2014 11:00:00 PM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.1	0.0	0.0	21.0
01/19/2014 12:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 01:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 02:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 03:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 04:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 05:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0

Notes:

RTU-6, located at PVW-3, recorded elevated LEL readings from approximately 08:17 AM to 10:34 AM on 01/17/2014 and from approximately 10:33 PM on 01/17/2014 to 08:15 AM on 01/18/2014. The highest instantaneous reading recorded was 4%. At approximately 08:15 AM on 01/18/2014, the onsite technician fresh air calibrated RTU-6, and LEL readings returned to 0%.

**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)

Date-Time *	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				
	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 (%)
01/18/2014 05:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	1.8	<1.0	<1.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 06:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.7	1.8	<1.0	<1.0	0.0	20.6	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 07:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.6	1.7	<1.0	<1.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 08:00:00 AM	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.6	1.6	0.0	<1.0	0.0	20.5	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9
01/18/2014 09:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/18/2014 10:00:00 AM	<1.0	0.0	0.0	0.0	20.9	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	<1.0	0.0	0.0	0.0	20.9
01/18/2014 11:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/18/2014 12:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.5	<1.0	0.0	0.0	0.0	21.0	0.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9
01/18/2014 01:00:00 PM	<1.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.4	<1.0	0.0	0.0	0.0	21.2	0.0	<1.0	<1.0	0.0	21.0	<1.0	0.0	0.0	0.0	21.1
01/18/2014 02:00:00 PM	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	21.3						<1.0	0.0	0.0	0.0	21.2
01/18/2014 03:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	21.3						<1.0	0.0	0.0	0.0	21.2
01/18/2014 04:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.4	0.0	<1.0	0.0	0.0	21.2						<1.0	0.0	0.0	0.0	21.2
01/18/2014 05:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	0.0	<1.0	0.0	0.0	21.1						0.0	0.0	0.0	0.0	21.2
01/18/2014 06:00:00 PM	0.0	0.0	0.0	0.0	21.2	0.0	0.0	0.0	0.0	21.3	<1.0	<1.0	0.0	0.0	20.9						0.0	0.0	0.0	0.0	21.2
01/18/2014 07:00:00 PM	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	21.2	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	21.1
01/18/2014 08:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	21.1	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/18/2014 09:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/18/2014 10:00:00 PM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/18/2014 11:00:00 PM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	21.0
01/19/2014 12:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 01:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 02:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 03:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 04:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 05:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9

Data not properly transmitted - see note.

Notes:

At approximately 01:49 PM on 01/18/2014, all monitors stopped properly transmitting data due to radio signal issues. Non-transmitted data was retrieved from internal data loggers on RTU-1, RTU-7, RTU-8, and RTU-10. However, a malfunction occurred with the internal data logger on RTU-11, located at Pad #9, and the non-transmitted data could not be retrieved. The recent connectivity issues have been investigated, and a technician is scheduled to be onsite on 01/20/2014 to help resolve the issues.

## Daily Action Summary

January 19, 2014

### Sinkhole Perimeter Air Monitoring and Neighborhood Air Monitoring

- The following locations are equipped with solar-powered weather boxes: Pad #9, TR-1a, ORW-11a, ORW-9a, ORW-5, and PVW-BS-56a. And, the following locations are equipped with electrical power: ORW-49-WH and ORW-50-WH. Thus, daily monitor change-out is no longer necessary for these locations. All monitors will continue to be calibrated and serviced as necessary.
- No Sage personnel onsite.
- Megan Tramonte of Code Red (monitor sub-contractor) onsite from 07:00 to 13:00. Assisted in maintenance of the monitoring equipment as necessary.

NOTE: As discussed on the 01/18/2014 Daily Action Summary, at approximately 13:49 on 01/18/2014, all monitors stopped properly transmitting data due to radio signal issues. Non-transmitted data was retrieved from internal data loggers on RTU-1, RTU-7, RTU-8, and RTU-10. However, a malfunction occurred with the internal data logger on RTU-11, located at Pad #9, and the non-transmitted data could not be retrieved. Normal data collection at Pad #9 resumed at 10:30 on 01/19/2014. The recent connectivity issues have been investigated, and a technician is scheduled to be onsite on 01/20/2014 to help resolve the issues.

### 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)

Date-Time *	Observation Relief Well -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56			Passive Vent Well - 03		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/19/2014 01:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 02:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 03:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 04:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 05:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 06:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 07:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 08:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 09:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 10:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 11:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 12:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 01:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 02:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/19/2014 03:00:00 PM	<1.0	0.0	21.1	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 04:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.4
01/19/2014 05:00:00 PM	<1.0	0.0	21.3	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 06:00:00 PM	<1.0	0.0	21.3	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 07:00:00 PM	<1.0	0.0	21.1	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 08:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 09:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 10:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 11:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/20/2014 12:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0

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)

Date-Time *	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				
	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 (%)
01/19/2014 01:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 02:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 03:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 04:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 05:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 06:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 07:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 08:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 09:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 10:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	<1.0	0.0	21.0	0.0	0.0	0.0	0.0	20.6	<1.0	0.0	0.0	0.0	21.0
01/19/2014 11:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	1.1	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9
01/19/2014 12:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	1.3	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.4	<1.0	0.0	0.0	0.0	21.0
01/19/2014 01:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	1.1	<1.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.5	<1.0	0.0	0.0	0.0	21.2
01/19/2014 02:00:00 PM	<1.0	<1.0	<1.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.7	<1.0	0.0	0.0	0.0	21.2
01/19/2014 03:00:00 PM	<1.0	<1.0	<1.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2
01/19/2014 04:00:00 PM	<1.0	<1.0	<1.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2
01/19/2014 05:00:00 PM	<1.0	<1.0	<1.0	0.0	21.0	<1.0	0.0	0.0	0.0	20.9	1.1	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3
01/19/2014 06:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.7	1.2	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	0.0	0.0	0.0	21.3
01/19/2014 07:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.5	1.4	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	<1.0	0.0	0.0	0.0	21.1
01/19/2014 08:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.4	1.5	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.4	<1.0	0.0	0.0	0.0	21.0
01/19/2014 09:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.3	1.5	<1.0	0.0	0.0	20.6	0.0	<1.0	0.0	0.0	20.4	<1.0	0.0	0.0	0.0	20.9
01/19/2014 10:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.3	1.5	<1.0	0.0	0.0	20.6	0.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9
01/19/2014 11:00:00 PM	<1.0	<1.0	0.0	0.0	20.6	<1.0	0.0	0.0	0.0	20.3	1.6	<1.0	0.0	0.0	20.7	0.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9
01/20/2014 12:00:00 AM	<1.0	<1.0	0.0	0.0	20.8	<1.0	0.0	0.0	0.0	20.2	1.7	<1.0	0.0	0.0	20.6	0.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9

Notes:

At approximately 01:49 PM on 01/18/2014, all monitors stopped properly transmitting data due to radio signal issues. Non-transmitted data was retrieved from internal data loggers on RTU-1, RTU-7, RTU-8, and RTU-10. However, a malfunction occurred with the internal data logger on RTU-11, located at Pad #9, and the non-transmitted data could not be retrieved. The recent connectivity issues have been investigated, and a technician is scheduled to be onsite on 01/20/2014 to help resolve the issues.

**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)

Date-Time *	Observation Relief Well -49 at the Well Head			Observation Relief Well - 50 at the Well Head			Passive Vent Well -56			Passive Vent Well - 03		
	ORW-49-WH			ORW-50-WH			PVW-BS-56a			PVW-03		
	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)	H2S (ppm)	LEL (%)	O2 (%)
01/19/2014 05:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 06:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 07:00:00 AM	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 08:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 09:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 10:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 11:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 12:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 01:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 02:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0	0.0	0.0	21.0
01/19/2014 03:00:00 PM	<1.0	0.0	21.1	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 04:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.4
01/19/2014 05:00:00 PM	<1.0	0.0	21.3	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 06:00:00 PM	<1.0	0.0	21.3	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 07:00:00 PM	<1.0	0.0	21.1	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 08:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 09:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 10:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/19/2014 11:00:00 PM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/20/2014 12:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/20/2014 01:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/20/2014 02:00:00 AM	<1.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/20/2014 03:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/20/2014 04:00:00 AM	<1.0	0.0	20.9	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0
01/20/2014 05:00:00 AM	<1.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	20.9	0.0	0.0	21.0

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)

Date-Time *	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				
	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 (%)
01/19/2014 05:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	Data not properly transmitted - see note.					<1.0	0.0	0.0	0.0	20.9
01/19/2014 06:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 07:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 08:00:00 AM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 09:00:00 AM	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9						<1.0	0.0	0.0	0.0	20.9
01/19/2014 10:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	21.2	<1.0	0.0	<1.0	0.0	21.0	0.0	0.0	0.0	0.0	20.6	<1.0	0.0	0.0	0.0	21.0
01/19/2014 11:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	1.1	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9
01/19/2014 12:00:00 PM	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	1.3	0.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.4	<1.0	0.0	0.0	0.0	21.0
01/19/2014 01:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	1.1	<1.0	<1.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.5	<1.0	0.0	0.0	0.0	21.2
01/19/2014 02:00:00 PM	<1.0	<1.0	<1.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	<1.0	<1.0	0.0	20.7	<1.0	0.0	0.0	0.0	21.2
01/19/2014 03:00:00 PM	<1.0	<1.0	<1.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2
01/19/2014 04:00:00 PM	<1.0	<1.0	<1.0	0.0	21.2	<1.0	0.0	0.0	0.0	20.9	<1.0	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.2
01/19/2014 05:00:00 PM	<1.0	<1.0	<1.0	0.0	21.0	<1.0	0.0	0.0	0.0	20.9	1.1	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	21.3
01/19/2014 06:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.7	1.2	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.6	<1.0	0.0	0.0	0.0	21.3
01/19/2014 07:00:00 PM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.5	1.4	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.5	<1.0	0.0	0.0	0.0	21.1
01/19/2014 08:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.4	1.5	<1.0	0.0	0.0	20.9	0.0	<1.0	0.0	0.0	20.4	<1.0	0.0	0.0	0.0	21.0
01/19/2014 09:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.3	1.5	<1.0	0.0	0.0	20.6	0.0	<1.0	0.0	0.0	20.4	<1.0	0.0	0.0	0.0	20.9
01/19/2014 10:00:00 PM	<1.0	<1.0	0.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.3	1.5	<1.0	0.0	0.0	20.6	0.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9
01/19/2014 11:00:00 PM	<1.0	<1.0	0.0	0.0	20.6	<1.0	0.0	0.0	0.0	20.3	1.6	<1.0	0.0	0.0	20.7	0.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9
01/20/2014 12:00:00 AM	<1.0	<1.0	0.0	0.0	20.8	<1.0	0.0	0.0	0.0	20.2	1.7	<1.0	0.0	0.0	20.6	0.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9
01/20/2014 01:00:00 AM	<1.0	<1.0	0.0	0.0	20.6	<1.0	0.0	0.0	0.0	20.2	1.6	<1.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9
01/20/2014 02:00:00 AM	<1.0	<1.0	0.0	0.0	20.6	<1.0	0.0	0.0	0.0	20.2	1.7	<1.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	20.9
01/20/2014 03:00:00 AM	<1.0	<1.0	0.0	0.0	20.5	<1.0	0.0	0.0	0.0	20.2	1.8	<1.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.3	<1.0	0.0	0.0	0.0	21.0
01/20/2014 04:00:00 AM	<1.0	<1.0	0.0	0.0	20.5	<1.0	0.0	0.0	0.0	20.2	1.7	<1.0	0.0	0.0	20.5	0.0	<1.0	0.0	0.0	20.2	<1.0	0.0	0.0	0.0	20.9
01/20/2014 05:00:00 AM	<1.0	<1.0	0.0	0.0	20.5	<1.0	0.0	0.0	0.0	20.2	1.8	<1.0	0.0	0.0	20.4	0.0	<1.0	0.0	0.0	20.2	<1.0	0.0	0.0	0.0	20.9

Notes:

At approximately 01:49 PM on 01/18/2014, all monitors stopped properly transmitting data due to radio signal issues. Non-transmitted data was retrieved from internal data loggers on RTU-1, RTU-7, RTU-8, and RTU-10. However, a malfunction occurred with the internal data logger on RTU-11, located at Pad #9, and the non-transmitted data could not be retrieved. The recent connectivity issues have been investigated, and a technician is scheduled to be onsite on 01/20/2014 to help resolve the issues.

**RESPEC Consulting & Services**

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: Crystal Hocking

Date: 1/17/2014

Company: RESPEC

Job #: 2241

<b>Personnel</b>	<b>Company</b>	<b>Job Title</b>
Eric Krantz	RESPEC	Staff Engineer
John Knight	RESPEC	Staff Geologist

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

**DAILY ACTIVITY:**

Attended onsite contractor and safety meeting.

**Instrumentation Program:**

Relocate site 89 (dismantle and move housing, solar panel, datalogger, and transducer, and reinstall on new site 89). New site 89 is located near the SW corner of the main berm.

**Other Programs:**

*Passive Vent Wells:* RESPEC observed grouting of PVW-03 and assembly of well riser. Locate site of PVW-01 near NSDMW006.

*Berm Mapping:* Conduct inspection of berm.

**PROPOSED SCHEDULE:**

**Instrumentation Program:**

Finish installation of site 89. Quarterly maintenance of western and southern water level and IPI sites.

**Tentative** installation of deep array inclinometers 1/22/14.

**Other Programs:**

*Passive Vent Wells:* Retrofit wellhead for monitoring at GP-05. Oversee installation of PVW-01 (near NSDMW-006) on 1/18-1/19. **Tentative** installation of PVW-02 on 1/20-1/21. RESPEC will work with WHE and TBC to begin demobilizing the barge from PVW-56 (located near the former location of NSDBS-056).

*Berm Mapping:* Finish mapping berms west of sinkhole.

Initials: CMH

**RESPEC Consulting & Services**

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: Crystal Hocking

Date: 1/18/2014

Company: RESPEC

Job #: 2241

<b>Personnel</b>	<b>Company</b>	<b>Job Title</b>
Eric Krantz	RESPEC	Staff Engineer
John Knight	RESPEC	Staff Geologist

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

**DAILY ACTIVITY:**

Attended onsite contractor and safety meeting.

**Instrumentation Program:**

Finish installation of site 89 (located near the SW corner of the main berm). Reconnaissance for inclinometer sites.

**Other Programs:**

*Passive Vent Wells:* RESPEC observed coring of three soil borings at NSDMW006 (total depths 44, 44, and 40 ft).

*Berm Mapping:* No Work Conducted.

**PROPOSED SCHEDULE:**

**Instrumentation Program:**

Quarterly maintenance of western and southern water level and IPI sites. **Tentative** installation of deep array inclinometers (IPI-STR01 and IPI-STR02) 1/22/14.

**Other Programs:**

*Passive Vent Wells:* Oversee installation of PVW-01 (near NSDMW-006) to approximate depth of 40 feet on 1/19-1/20. Retrofit wellhead for monitoring at GP-05. **Tentative** installation of PVW-02 on 1/20-1/21. RESPEC will work with WHE and TBC to begin demobilizing the barge from PVW-56 (located near the former location of NSDBS-056).

*Berm Mapping:* Finish mapping berms west of sinkhole.

Initials: CMH

**RESPEC Consulting & Services**

Texas Brine, L.L.C.

Assumption Parish, Louisiana

Daily Field Report

Report By: Crystal Hocking

Date: 1/19/2014

Company: RESPEC

Job #: 2241

<b>Personnel</b>	<b>Company</b>	<b>Job Title</b>
John Knight	RESPEC	Staff Geologist

**Time Onsite:** Start Time: 7:30 End Time: 12:00

**DAILY ACTIVITY:**

Attended onsite contractor and safety meeting.

**Instrumentation Program:**

No Work Conducted.

**Other Programs:**

*Passive Vent Wells:* RESPEC observed auger drilling and grouting of PVW-01 (at NSDMW006).

*Berm Mapping:* No Work Conducted.

**PROPOSED SCHEDULE:**

**Instrumentation Program:**

Quarterly maintenance of western and southern water level and IPI sites. **Tentative** installation of deep array inclinometers (IPI-STR01 and IPI-STR02) 1/22/14.

**Other Programs:**

*Passive Vent Wells:* Oversee development of well PVW-03 (1/20). Oversee Geoprobe coring at GP-6 in advance of installation of PVW-02 on 1/20-1/21. Retrofit wellhead for monitoring at GP-05. RESPEC will work with WHE and TBC to begin demobilizing the barge from PVW-56 (located near the former location of NSDBS-056). Collect recent pressure measurements from all wells in the DPVE-26 area.

*Berm Mapping:* Finish mapping berms west of sinkhole.

Initials: CMH

## **ME&A Daily Action Summary**

January 14, 2014

### **Subsidence Survey:**

- Surveyed Subsidence Points around Brine Tanks

### **Sinkhole Perimeter/Hydrographic Survey:**

- No Work Done

### **Support Sinkhole Cleanup**

- No Work Done

### **Misc. Survey Work**

- Arrived @ 8:30 am
- Surveyed Settlement Plates
- Surveyed Berm Rods
- Surveyed North Access Road Rods
- Departed @ 2:30 pm

## **ME&A Daily Action Summary**

January 15, 2014

### **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
- Staked Property Line for ORW Well Installation
- Departed @ 3:00 pm

## **ME&A Daily Action Summary**

January 16, 2014

### **Subsidence Survey:**

- No Work Done

### **Sinkhole Perimeter/Hydrographic Survey:**

- Fathometer & Perimeter Survey of Sinkhole

### **Support Sinkhole Cleanup**

- No Work Done

### **Misc. Survey Work**

- Arrived @ 8:30 am
- Departed @ 4:00 pm

## **ME&A Daily Action Summary**

January 17, 2014

### **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 & Installed ORW38 Monitoring Rods
- Surveyed South Berm Rods
- Surveyed Water Meter Elevations
- Departed @ 5:00 pm