



# Texas Brine Company, LLC

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June 14, 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](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	Bijet Mukherjee - 07:55 - 09:20 Pete Hyatt IV (Code Red) - 07:00 - 17:00	6/13/2013	NA	NA	NA	AreaRAE Monitors	6/14/2013
	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	Steve Shaughnessy NSDBS-10 at 09:50 NSDBS-47 at 10:30	6/6/2013	Yes	Yes	SPL	Sulfur	6/14/2013
	Well Gas Sampling	No work performed	6/13/2013	NA	NA	NA	NA	NA
	Under Slab Gas Sampling	No work performed	6/13/2013	NA	NA	NA	NA	NA
	Indoor Air Monitoring	No work performed	6/13/2013	NA	NA	NA	NA	NA
Respec	Inclinometers/Tilt Meters	6/13/2013 NA	NA NA	NA	NA	NA	NA	NA
	InSAR Reflector Installations	6/13/2013 NA	NA NA	NA	NA	NA	NA	NA
	Subsidence Survey-Fenstermaker	6/13/2013 NA	NA NA	NA	NA	NA	NA	NA
	Shallow Geophone Installation	6/13/2013 NA	NA NA	NA	NA	NA	NA	NA
	Deep Geophone Installation	6/13/2013 NA	NA NA	NA	NA	NA	NA	NA
	Amendment #3, Directive #2	6/13/2013 NA	NA NA	NA	NA	NA	NA	NA
	Expansion of geoprobe gas sampling locations	6/13/2013 NA	NA NA	NA	NA	NA	NA	NA
	Weekly Stability Survey	No Work Performed	June 13, 2013	NA	NA	NA	NA	NA
Miller	Misc. Survey Work	No Work Performed	June 13, 2013	NA	NA	NA	NA	NA
	Sinkhole Hydro/Perimeter Survey	No Work Performed	June 13, 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
	Well Water-Dissolved Gas - MRAA Sampling Event	NA	NA	NA	NA	NA	NA	NA
	Geoprobe Wells	NA	NA	NA	NA	NA	NA	NA
<b>Grand Bayou Well 3A</b>								
Daily Operations at 3A	<u>Summary of Today's events</u>							
	6/14/2013	Oxy 3A						
	7am	544.92	6/14/2013	Relief Well #1				
6/14/2013	See ORW-01 Flare Spreadsheet							

## **Attachments**

## **Daily Action Summary**

**June 13, 2013**

### **Stationary Air Monitoring**

- Bijet Mukherjee onsite from 07:55 – 09:20. Changed out the monitors between 08:16 and 09:05. 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**

- SPL provided the sulfur analytical results of the following gas seep samples collected on June 6, 2013 as part of the MRAA Sampling Program:
  - NSDBS-10
  - NSDBS-47
  - NSDBS-56

### **Well Gas Sampling**

- No 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 ST-3					Middle-most Pipeline Site ST-2b					North-most Pipeline Site ST-1					South of OG3A-1 Pad #9					Onsite Trailers 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 (%)
06/13/2013 01:00:00 AM	Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note				
06/13/2013 02:00:00 AM	Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note				
06/13/2013 03:00:00 AM	Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note				
06/13/2013 04:00:00 AM	Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note				
06/13/2013 05:00:00 AM	Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note				
06/13/2013 06:00:00 AM	Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note				
06/13/2013 07:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 08:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.7	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.7
06/13/2013 09:00:00 AM	<1.0	0.0	<1.0	0.0	20.7	0.0	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	<1.0	<1.0	0.0	20.9
06/13/2013 10:00:00 AM	<1.0	0.0	<1.0	0.0	20.6	0.0	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	<1.0	0.0	20.9
06/13/2013 11:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 06:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 07:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 08:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 09:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 10:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/14/2013 12:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9

Notes:  
The site experienced a power outage on 6/12/2013 causing data to not be properly transmitted beginning at approximately 9:21 PM. The onsite technician resolved the issue upon returning to the site on 6/13/2013 at 7:33 AM. At this point normal data collection resumed.

**Texas Brine - Belle Rose, Louisiana**  
**Gas Seep Sampling Results - MRAA Sampling Events**

	<b>NSDBS-10</b>	<b>NSDBS-47</b>	<b>NSDBS-56</b>
	<b>Sample Date: June 6, 2013</b>	<b>Sample Date: June 6, 2013</b>	<b>Sample Date: June 6, 2013</b>
<b>LHG Constituents</b>	Sample Not Analyzed for LHG Constituents	Sample Not Analyzed for LHG Constituents	Sample Not Analyzed for LHG Constituents
<b>SPL Sample ID</b>			
<b>Pollutant</b>			
Nitrogen			
Carbon Dioxide			
Methane			
Ethane			
Propane			
Iso-butane			
n-Butane			
Iso-pentane			
n-Pentane			
Hexanes			
Heptanes+			
<b>Sulfides</b>			
<b>SPL Sample ID</b>	<b>BS-10</b>	<b>BS-47</b>	<b>BS-56</b>
<b>Pollutant</b>	<b>ppm<sub>w</sub></b>	<b>ppm<sub>w</sub></b>	<b>ppm<sub>w</sub></b>
Hydrogen Sulfide	2.5	ND	ND
Carbonyl Sulfide	<1.0	<1.0	<1.0
Dimethyl Sulfide	ND	ND	ND
Methyl Ethyl Sulfide	ND	ND	ND
Diethyl Sulfide	ND	ND	ND
Di-iso-propyl Sulfide	ND	ND	ND
Di-n-propyl Sulfide	ND	ND	ND
Di-iso-butyl Sulfide	ND	ND	ND
Di-sec-butyl Sulfide	ND	ND	ND
Di-tert-butyl Sulfide	ND	ND	ND
Di-n-butyl Sulfide	ND	ND	ND
Unknown Sulfides	ND	ND	ND
Methyl Mercaptan	ND	ND	ND
Ethyl Mercaptan	ND	ND	ND
Isopropyl Mercaptan	ND	ND	ND
n-Propyl Mercaptan	ND	ND	ND
Isobutyl Mercaptan	ND	ND	ND
sec-Butyl Mercaptan	ND	ND	ND
tert-Butyl Mercaptan	ND	ND	ND
n-Butyl Mercaptan	ND	ND	ND
Isoamyl Mercaptan	ND	ND	ND
pri-Amyl Mercaptan	ND	ND	ND
n-Amyl Mercaptan	ND	ND	ND
Carbon Disulfide	ND	ND	ND
Dimethyl Disulfide	ND	ND	ND
Methyl Ethyl Disulfide	ND	ND	ND
Diethyl Disulfide	ND	ND	ND
Di-iso-propyl Disulfide	ND	ND	ND
Di-n-propyl Disulfide	ND	ND	ND
Di-iso-butyl Disulfide	ND	ND	ND
Di-sec-butyl Disulfide	ND	ND	ND
Di-tert-butyl Disulfide	ND	ND	ND
Di-n-butyl Disulfide	ND	ND	ND
Unknown Disulfides	ND	ND	ND
Thiophene	ND	ND	ND
Thiophane	ND	ND	ND



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 ST-3					Middle-most Pipeline Site ST-2b					North-most Pipeline Site ST-1					South of OG3A-1 Pad #9					Onsite Trailers 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 (%)
06/13/2013 05:00:00 AM	Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note					Downtime - See Note				
06/13/2013 06:00:00 AM	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 07:00:00 AM	<1.0	<1.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.7	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.7
06/13/2013 08:00:00 AM	<1.0	0.0	<1.0	0.0	20.7	0.0	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	<1.0	<1.0	0.0	20.9
06/13/2013 09:00:00 AM	<1.0	0.0	<1.0	0.0	20.6	0.0	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	<1.0	0.0	20.9
06/13/2013 10:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 11:00:00 AM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 06:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 07:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 08:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 09:00:00 PM	<1.0	0.0	<1.0	0.0	20.9	<1.0	0.0	<1.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 10:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/13/2013 11:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/14/2013 12:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/14/2013 01:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/14/2013 02:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/14/2013 03:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/14/2013 04:00:00 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	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9
06/14/2013 05:00:00 AM	<1.0	<1.0	<1.0	0.0	21.4	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9	0.0	0.0	0.0	0.0	20.9	0.0	0.0	<1.0	0.0	20.9

Notes:  
The site experienced a power outage on 6/12/2013 causing data to not be properly transmitted beginning at approximately 9:21 PM. The onsite technician resolved the issue upon returning to the site on 6/13/2013 at 7:33 AM. At this point normal data collection resumed.

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

June 13, 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