INCIDENT ACTION PLAN

Be brief and concise with your entries

Location Bayou Corne Sink Hole

Control Level Company Supervisory

Operational Period

From 7/9/13

To 7/10/13

1.0 SITUATION

Disease, community, environment

PROMPTS:

Weather, disease trends, Resources, Hazards & safety

REFERENCE:

Maps, weather reports, Sitreps, appreciation, warnings, alerts

CURRENT

Mostly sunny

PREDICTION

A mix of clouds and sun with the chance of an isolated thunderstorm in the afternoon. 30% chance of precipitation. High Temperature near 91.

2.0 OBJECTIVES (or MISSION)

PROMPTS: Time & space

REFERENCE:

Appreciation – control options, courses open to disease

CURRENT

Objective 1 - Demonstrating sinkhole containment and determining if additional sinkholes could form.

Objective 2 - Locating and mitigating the risk posed by the presence of shallow gas.

Objective 3 - Confirming the broader stability of the Napoleonville Salt Dome.

Current Actions:

(For planning purposes only, all activities are subject to change.)

ORW Wells/ROI Wells

- Conduct daily well readings and flare maintenance
- Continue redeveloping ROI well GOW-9-5, associated with ORW 9
- Begin redeveloping ROI wells associated with ORW 5
- Connect ORW 39 to flare
- Install sampling port, choke, and barton meter on Geophone 1

<u>CPT Wel</u>

- Advance and complete CPTs 41 and 42

Containment Berm/Roads/Sinkhole

- Build access path/pad for MRAA-06M
- Continue sinkhole debris cleanup
- Layout path and clear areas in swamp for access to bubble sites and proposed CPT locations

Survey/Sampling

- Conduct bubble site monitoring
- Perform water well sampling and collect water level measurements of industrial water wells

Tomorrow's Activities

- Conduct daily wells readings and flare maintenance
- Continue CPT operations
- Continue redeveloping non-pressure producing ROI wells
- Continue clearing paths in swamp for access to bubble sites and proposed CPT locations

Version date: 3 May 2010

	E Blood to a Constant of		
	- Bleed down Geophone 1 Sinkhole Activity – Code 2		
	Onikilole Activity – Code 2		
3.0 EXECUTION add safety information as appropriate			
PROMPTS: Strategies & tactics (current/proposed/alternate) REFERENCE: Appreciation, Control Options	Safety Information: See Attached Safe Work Rules Reference IAP dated 8/9/12 Additional to our Safe Work Rules for this project we are adding the awareness of insects, reptiles and animals. Inspect location for flammability Daily Safety Meetings PPE Required on site: Respirator w/ VOC Cartridge, Gloves for sampling, eye protection, life preservers, hearing protection.		
GROUPINGS	NA		
TASKS Including PR & Media	Same as above		
COORDINATING INSTRUCTIONS PROMPTS: Timings, routes, assembly areas, staging areas	Texas Brine Grand Bayou Facility will be used as staging area.		
4.0 ADMINISTRATION (Logistics support)			
PROMPTS: Unit names, locations stand by, enroute)	, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised,		
SUPPLY WHO, WHAT, WHERE, WHEN of resources not readily available	NA		
GROUND SUPPORT Transport of personnel, traffic	NA		

mgt, refuelling, mechanical repair/maintenance	
COMMUNICATIONS Installation, maintenance, technical advice	Cell Phone & Landline Communications: Kenneth Blanchard – Area Manager – () kblanchard@texasbrine.com Scott Borne – Facility Manager – () sborne@texasbrine.com Joel Miller, PE – Consultant – () joel.miller@coxinternet.com Bruce Martin – Operations/PR – () bmartin@texasbrine.com Mark Cartwright – Technical/Engineering – () mcartwright@unitedbrine.com Scott Whitelaw – Environmental/Safety – () swhitelaw@tum.com
STAGING AREA/ FCP Setting up, communications, staffing	Texas Brine Grand Bayou Facility 1301 Hwy 70 South, Belle Rose, La 70341
5.0 ADMINISTRAT	ION (Logistics services)
PROMPTS: Unit names, locations stand by, enroute)	, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised,
FACILITIES Security, waste, cleaning	NA
CATERING	NA
OH&S/MEDICAL Medical plan, first aid plan	Call 911
FINANCE	NA
TRAVEL	NA
INDUCTION/ TRAINING	NA
ACCOMMODATION	NA

6.0 CONTROL, COORDINATION & COMMUNICATION		
CONTROL & COORDINATION STRUCTURE	Plant Management Supervision / Contractor Work	
REFERENCE Structural Chart		
COORDINATION & LIAISON	NA	
Local knowledge, police, agency reps, emergency mgt reps		
COMMUNICATIONS	Plant Management – Contractor Communication via Cell Phone	
PROMPTS Communications structure, operational comms plan, information mgt		

EXTRAS		
Attachments PROMPTS:: maps, weather, organisational charts, resources, comms diagram	Current Weather Safe Work Rules	
Plan developers PROMPTS PO, Logs Mgr, Controller	NA	
Approval Controller, Ops Director	TBC Company Rep: William Booher FOSC: SOSC: POSC:	

Belle Rose, Louisiana, United States

Today's Forecast: Tuesday, 9 Jul 2013

91°F

75°F

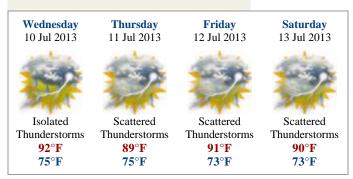
Sky Conditions: Isolated Thunderstorms Sunrise: 6:10 AM Sunset: 8:08 PM Wind: SE (1392) @ 7Mph

Wind: SE (139°) @ 7Mph **Precipitation Probability:** 30%

View your complete Local Weather »



Extended Forecast Full 10-Day Forecast »



Detailed Forecast

Today:

A mix of clouds and sun with the chance of an isolated thunderstorm in the afternoon. High 91F. Winds SE at 5 to 10 mph. Chance of rain 30%.

Tonight:

Isolated thunderstorms during the evening hours. Skies will become partly cloudy overnight. Low around 75F. Winds S at 5 to 10 mph. Chance of rain 30%.

Tomorrow:

Slight chance of a thunderstorm. Highs in the low 90s and lows in the mid 70s.



July 9, 2013

Mr. Bruce Martin Vice President of Operations Texas Brine Company, LLC 4800 San Felipe Houston, TX 77056

Dear Mr. Martin:

RE: In-Place Inclinometer, Tiltmeter, and Water-Level Monitoring System, Napoleonville Dome Weekly Report: June 29, 2013, Through July 05, 2013

RESPEC is pleased to submit this weekly report on the in-place inclinometer (IPI), tiltmeter, and water-level monitoring system installed around the sinkhole located near the western flank of the Napoleonville Dome, Assumption Parish, Louisiana. Water-level data in this report and the attached Excel file are submitted in response to Directive #5 contained in the October 11, 2012, Third Amendment to Declaration of Emergency and Directive from the Department of Natural Resources Office of Conservation. IPI and tiltmeter data are also attached as Excel files.

Monitoring locations are illustrated in Figure 1. Graphs illustrating the tilt data, as recorded by each instrument, are provided in Figures 2 through 4. The IPI data for the X-directions and Y-directions are plotted separately in Figures 2 and 3, respectively. The tiltmeter data for both the X- and Y-directions are plotted in Figure 4. A condition reflecting no changes in ground movement plots as a horizontal line on these graphs. Note that the instruments installed are very sensitive; they can measure ground tilt to less than 1/1,000 of a degree. Inclinometer alarm levels are set at \pm 1.0 degree and tiltmeter alarms are set at \pm 0.5 degree. Inclinometer data does not indicate any tilt anomalies this week. IPI-3 was visited by airboat to troubleshoot radio connectivity issues on July 2 at 3:15 p.m. The radio was reset and communication was restored.

Figure 5 shows water-level temporal trends at the IPI-2, Rig Access Road, and Pad-3 transducers. The IPI-2 water-level transducer began recording erratic data at 3 p.m. on July 4; however, the data returned to "expected" values around 3 a.m. on July 5. It is unknown why this occurred, and the transducers at Pad-3 and Rig Access Road did not record any anomalous data. Water-level transducer datum are individual staff gages located at each transducer. Staff gages and transducers are mounted on structures driven into the swamp substrate; thus, both will experience the same localized subsidence that the site experiences. The values should not be interpreted as depths with respect to sea level. Instead, changes in water level at one transducer relative to another reflects relative subsidence at that transducer with respect to the other.

IPI-4 and IPI-5 became submerged, and communication with the instruments was lost at 1 p.m. on May 10, because of a breach in the western berm after a heavy rainstorm. Equipment housings were still below water level during the subsidence event on June 4 when the housings and equipment sank several feet. Inclinometers and housings at IPI-4 and IPI-5 are currently too far underwater to be retrieved safely and may be lost.

Sincerely,

Eric L. Krantz Engineer

ELK:llf

Enclosure

cc: Mr. Mark Cartwright, Texas Brine Company, LLC Mr. Scott Borne, Texas Brine Company, LLC Project Central File 2153 — Category C

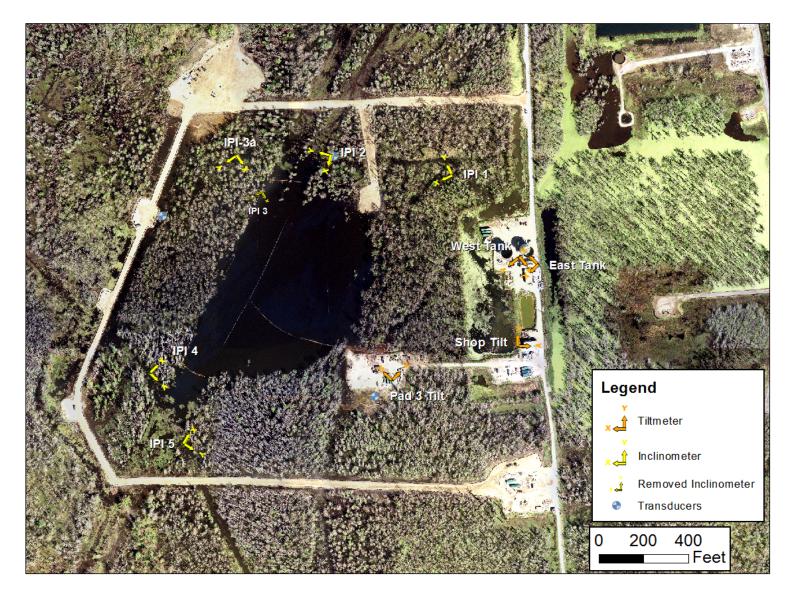


Figure 1. Monitoring Locations.

RSI-2153-13-191

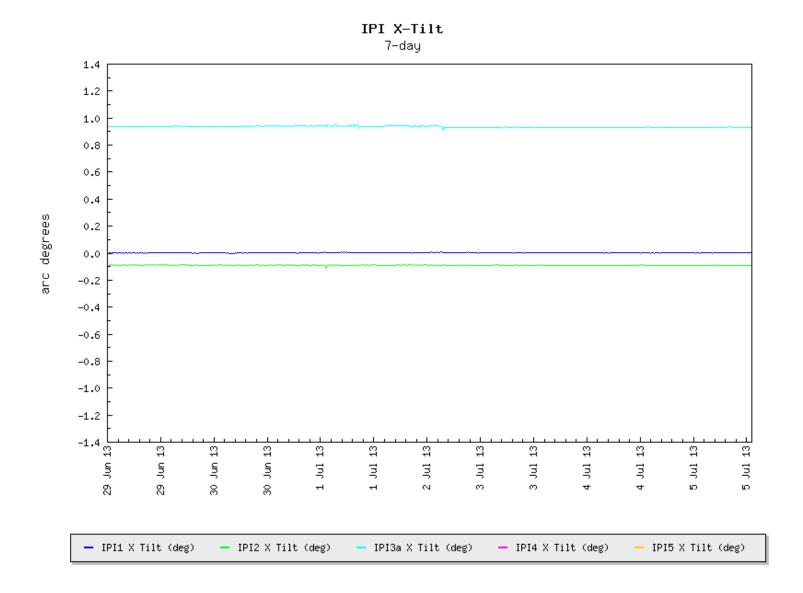
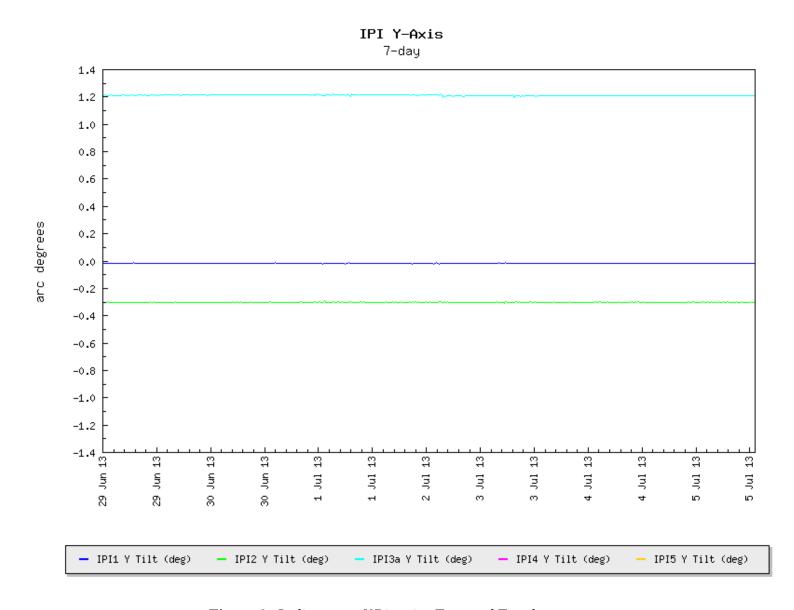


Figure 2. Inclinometer *X*-Direction Temporal Trends.



 $\textbf{Figure 3.} \ \ \textbf{Inclinometer} \ \textit{Y-} \textbf{Direction Temporal Trends}.$

RSI-2153-13-189

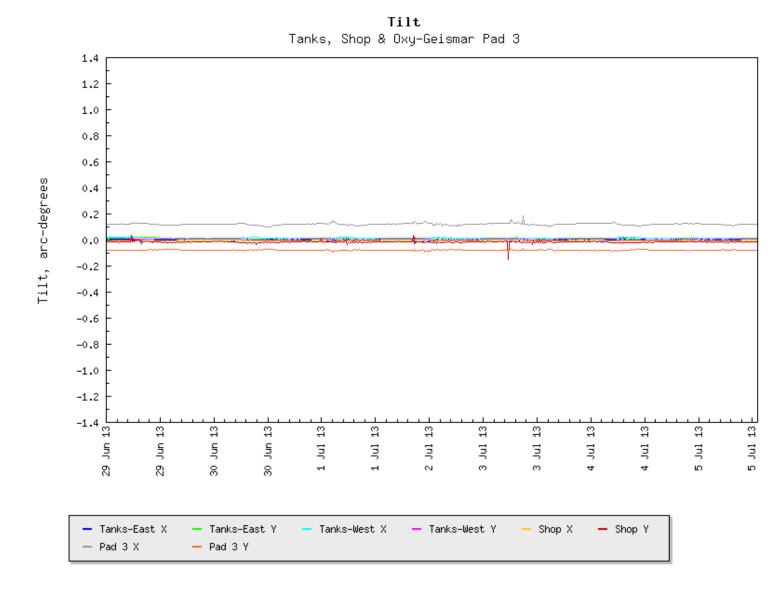


Figure 4. Tiltmeter Temporal Trends.

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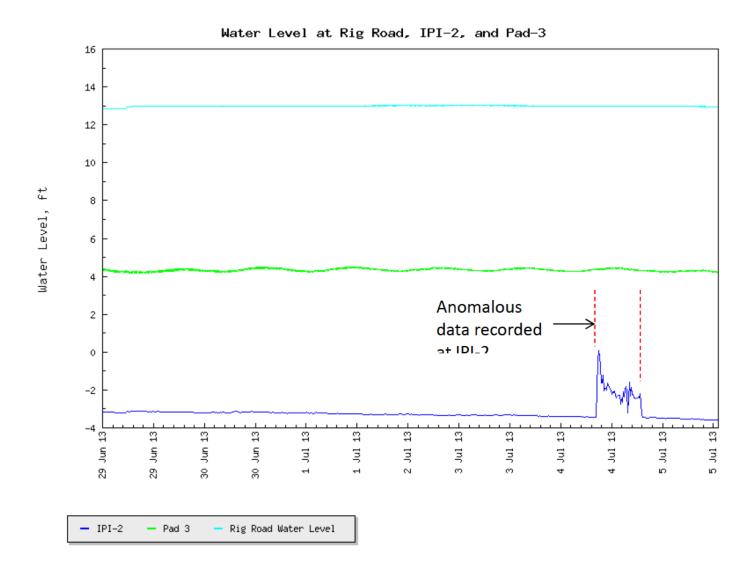


Figure 5. Water-Level Temporal Trends Showing Rig Access Road Data, IPI-2, and Pad-3 Data (Water Levels Are Calibrated to Staff Gages at Each Site).