INCIDENT ACTION PLAN

Be brief and concise with your entries

Location
Bayou Corne
Sink Hole

Control Level **Company Supervisory**

Operational Period

From 2/25/13

To 2/26/13

1.0 SITUATION

Disease, community, environment

PROMPTS:

Weather, disease trends, Resources, Hazards & safety

REFERENCE:

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

CURRENT

Cloudy

PREDICTION

Thunderstorms likely. 80% chance of precipitation. High Temperature near 73.

2.0 OBJECTIVES (or MISSION)

PROMPTS: Time & space

REFERENCE:

Appreciation – control options, courses open to disease

CURRENT

Objective 1 - Gas Monitoring:

3 Gas Monitors have been set up in the field and are obtaining data on a continuous basis.

The monitors are running on batteries which must be changed out every morning. Three monitors are located in the swamp and are required to be reached via airboats launched from TBC facilities.

The continuous monitoring data is collected at an office trailer located at Texas Brine Grand Bayou Facility. Monitoring the information on a 24 hours basis.

Monitoring is being recorded for LEL, VOC, H2S and O2.

Respec Mining & Energy:

In-place inclinometers and tilt meter monitoring system, weekly report

Objective 2- Elevation survey taking place once a week.

Objective 3- Sinkhole observation. Continuing to monitor slough in near the southwest corner/ Light bubbling. Debris removal from the sinkhole is continuing.

ALTERNATE

3.0 EXECUTION add safety information as appropriate

GENERAL OUTLINE

PROMPTS: Strategies & tactics (current/proposed/alternate) 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.

Version date: 3 May 2010

REFERENCE: Appreciation, Control Options	Inspect location for flammability				
Approviation, Control Spaces	Daily Safety Meetings				
	PPE Required on site: Respirator w/ VOC Cartridge, Gloves for				
	sampling, eye protection, life preservers, hearing protection.				
GROUPINGS	NA				
	IVA				
TASKS	Same as above				
Including PR & Media					
COORDINATING	Texas Brine Grand Bayou Facility will be used as staging area.				
INSTRUCTIONS					
PROMPTS:					
Timings, routes, assembly					
areas, staging areas					
	ION (La giatian augment)				
4.0 ADMINISTRAT	ION (Logistics support)				
PROMPTS: Unit names, locations	, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised,				
stand by, enroute)					
OLIDDI V	N. A.				
SUPPLY WHO, WHAT, WHERE, WHEN	NA				
of resources not readily					
available					
GROUND SUPPORT	NA				
Transport of personnel, traffic					
mgt, refuelling, mechanical repair/maintenance					
	Out Divini Out and the Comment and and				
	Cell Phone & Landline Communications: Kenneth Blanchard – Area Manager – 985-				
COMMUNICATIONS Installation, maintenance,	kblanchard@texasbrine.com				
technical advice	Scott Borne – Facility Manager – 985				
	sborne@texasbrine.com				
	Joel Miller, PE – Consultant – 337 (337-237) joel.miller@cox-internet.com				
	Bruce Martin – Operations/PR – 713-				
	bmartin@texasbrine.com				
	Mark Cartwright – Technical/Engineering – 713-				

	mcartwright@unitedbrine.com Scott Whitelaw – Environmental/Safety – 713- (713-2000) 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)	c, 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 &	NA				

LIAISON	
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: Monday, 25 Feb 2013

73°F

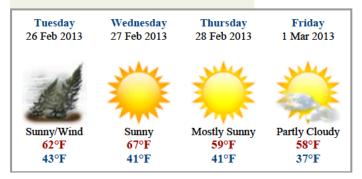
46°F

Sky Conditions: Thunderstorms Sunrise: 6:34 AM Sunset: 6:01 PM Wind: S (170°) @ 15Mph Precipitation Probability: 80%



View your complete Local Weather »

Extended Forecast Full 10-Day Forecast »



Detailed Forecast

Today:

Thunderstorms likely. A few storms may be severe. High 73F. Winds S at 10 to 20 mph. Chance of rain 80%.

Tonight:

Partly cloudy skies. Low 46F. Winds WSW at 15 to 25 mph.

Tomorrow:

Mainly sunny and windy. Highs in the low 60s and lows in the low 40s.



February 4, 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: January 26 Through February 1, 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 an Excel file.

Monitoring locations are shown 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 1/100 of a degree. Alarm levels are set at \pm 1.0 degree for all inclinometers and \pm 0.5 degree for all tiltmeters. Water levels measured at IPI-2 and southwest of Pad-3 are shown in Figure 5.

IPI-1 and IPI-2 appear to be stable. IPI-3, IPI-4, and IPI-5 are tilting at relatively constant rates between 0.004 and 0.007 degrees per day. Table 1 lists the X- and Y-tilt rates, and the calculated resultant tilt rate and direction for IPI-3, IPI-4, and IPI-5. Figure 6 shows relative resultant tilt magnitude and direction plotted as vectors at IPI-3, IPI-4, and IPI-5.

Table 1. Tilt rates and direction at IPI-3, IPI-4, and IPI-5

	X Tilt (degrees/day)	Y Tilt (degrees/day)	Resultant Tilt Rate (degrees/day)	Tilt Direction
IPI-3	0.0064	0.0025	0.007	S
IPI-4	0.0042	0.001	0.004	NE
IPI-5	0.0033	-0.0029	0.004	N

Relative subsidence at the Pad 3 water-level transducer with respect to the IPI-2 transducer is shown in Figure 7. The relative subsidence calculations are based on the difference in water levels measured at Pad 3 and IPI-2. Water levels indicate that the Pad-3 transducer location has subsided 0.05 feet relative to IPI-2 during this reporting period.

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



Sinkhole survey data provided by Joel Miller & Associates. Survey date 10/30/12.

Figure 1. Monitoring Locations.

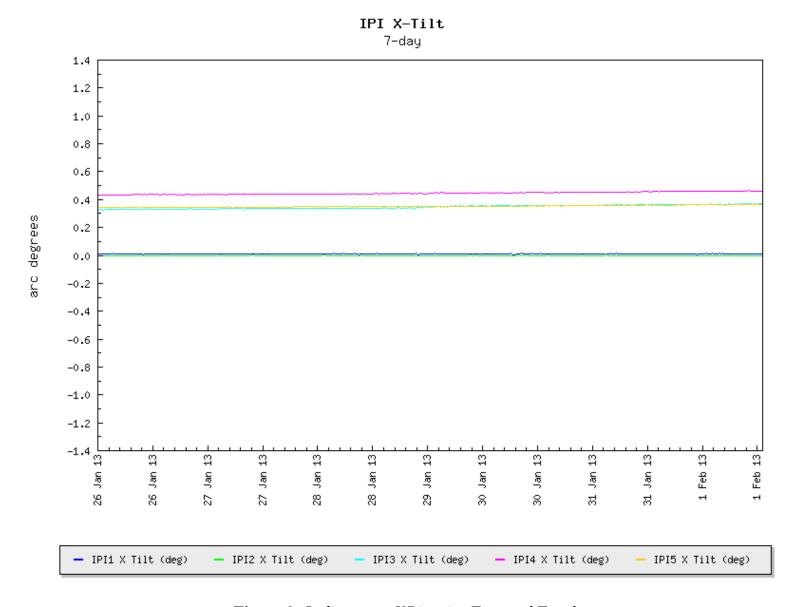


Figure 2. Inclinometer X-Direction Temporal Trends.

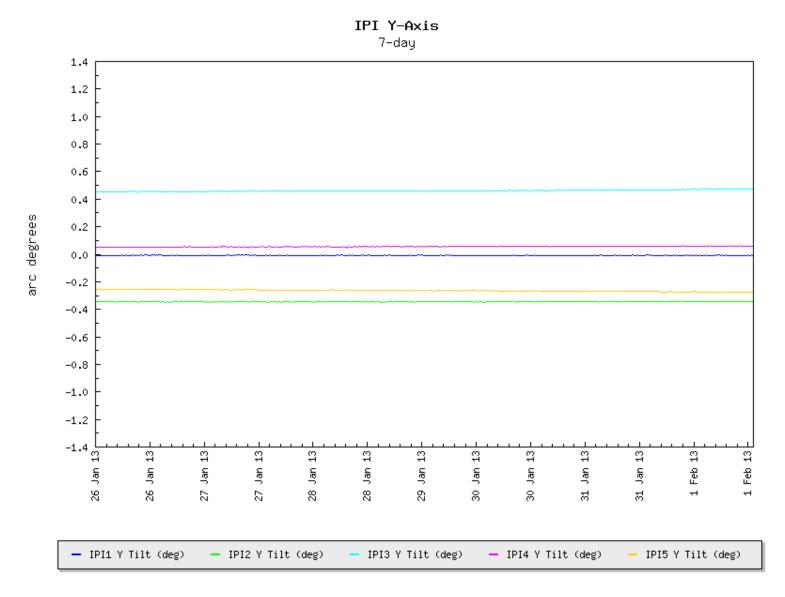


Figure 3. Inclinometer *Y*-Direction Temporal Trends.

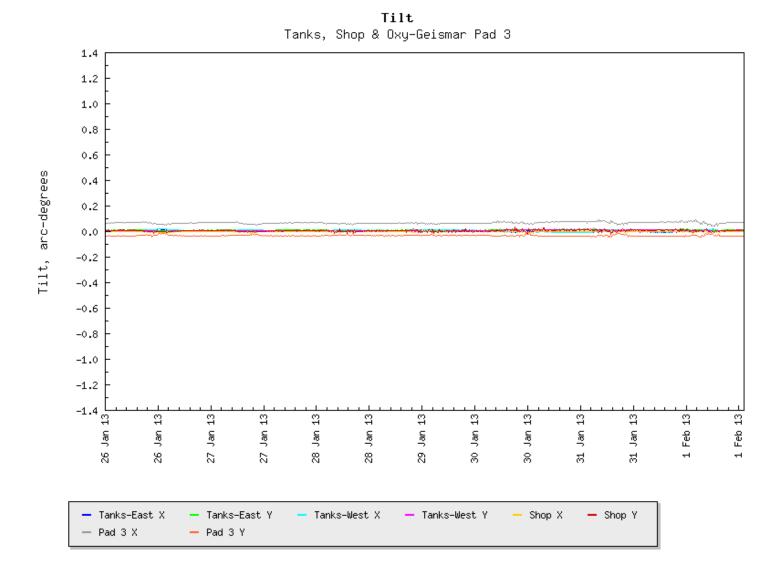
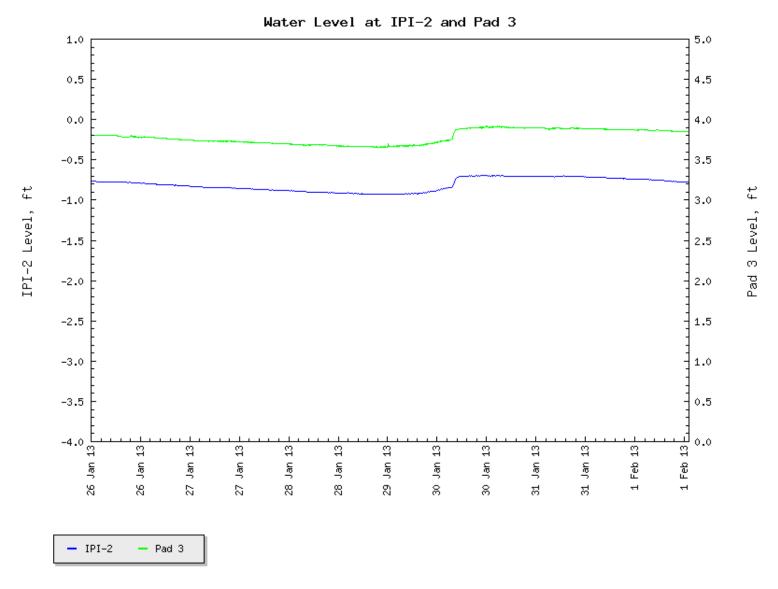


Figure 4. Tiltmeter Temporal Trends.



 $\textbf{Figure 5.} \ \textbf{Water-Level Temporal Trends.}$



Figure 6. Weekly Tilt Direction and Relative Magnitude at IPI-3, IPI-4, and IPI-5.



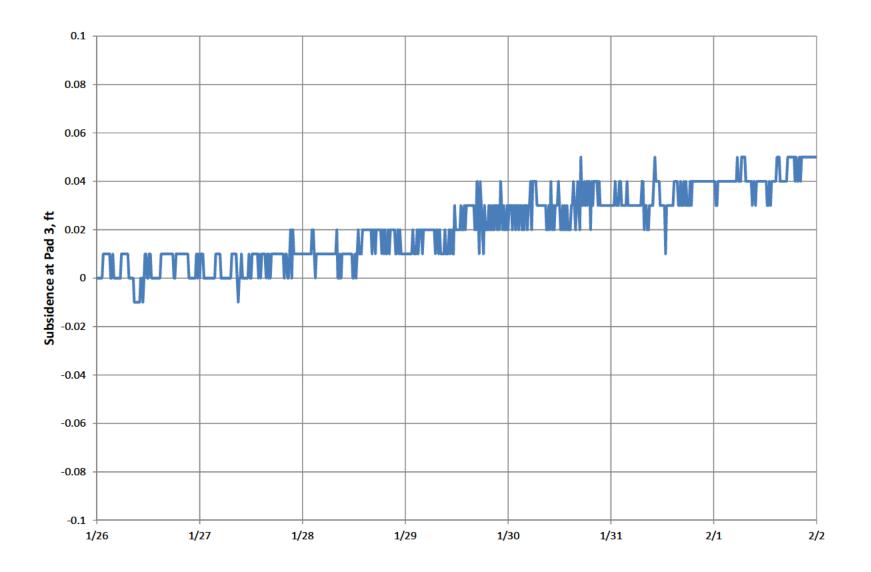


Figure 7. Subsidence at Pad 3 Relative to IPI-2.

Site Specific Safety Plan for Remediation of the Bayou Corne Sink Hole

The following plan is a site specific plan for the remediation of the Bayou Corne sink hole which will be achieved in two Phases. Phase one will include the construction of an access road to the sink hole which will allow the use of a long reach excavator. The excavator will be used to remove vegetation near the access road and place into roll off boxes. Phase two will consist of placing one or more airboats with attached rakes that will be used to push vegetation towards the access road where it will be removed and placed in roll off boxes. By removing the vegetation this allow us the use of skimmers and absorbent booms to aid in hydrocarbon removal.

Site Setting

The Texas Brine facility is located at 1301 Hwy 70, Belle Rose, LA 70341. The facility is located South of 70. The site is located on raised pads and roads but the property is otherwise swamp. A site map is attached. The nearest hospital, Our Lady of the Lake is located in Napoleonville, LA. which is a 15 minute trip.

Site Specific Hazards

The site is located in a swamp setting and potential dangers may be present. Personnel should be aware of:

Alligators

Wasps

Snakes

Spiders

Emergency Contact

911 will used in any emergency. Cell phones on site

Site Safety

Safety Meeting

Held at the beginning of each shift.

PPE Requirements

Hard hat

Safety Glasses

Steel toe boots

Air Monitoring

A system of air monitoring devices have been placed across the property surrounding the sink hole. One air monitoring device is located next to the access road.

Airboats will have hand held monitors on there person at all times when on the sink hole.

Spotters and Warnings

A person or persons armed with an air horn will be placed on site looking for safety issues such as:

Leaning trees

Falling trees

Ground Movement

Driver of the truck attached to the roll off box will remain in the truck at all times and will be ready to vacate the access road on signal.

Heavy Equipment

Long reach excavator

Environmental

Vegetation will be placed in lined roll off boxes and disposed of.

Airboats will remain inside the containment boom once entered.

Decon of airboats will take place on location pad next to access road.

TBC Oxy Grand Bayou Sinkhole Management Plan

Phase Two- Crude Oil/Vegetation/Debris Removal

10-12-2012

(THIS PLAN CAN BE ADJUSTED BY TBC FOR WEATHER RELATED ISSUES, OR SITE CONDITIONS)

This plan is being followed as an approach to sinkhole management. The primary focus for this plan is to:

- Recover liquid hydrocarbons that are found on the surface of the sinkhole. By removing the free
 phase Hydrocarbons that are found on the surface of the sinkhole, off-site migration of these
 Hydrocarbons will be greatly reduced. Thus, limiting the impacts of the Hydrocarbons to the
 sinkhole surface and the immediate area. Additionally, the removal of the free phase
 Hydrocarbons will greatly reduce the "smell" associated with the sinkhole.
- 2. To further understand the dynamics of the sinkhole, through profiling and visual observation of the surface of the sinkhole.

Phase One focused on the removal of floating vegetation and debris within the sinkhole. To date, the vast majority of floating vegetation and debris has been cleaned and cleared off of the surface of the sinkhole area. On October 8, 2012, we began to bring on site equipment and staffing to move into Phase Two of the Sinkhole Management, Crude Oil Removal.

Crude Oil removal will take place on near the mat road that was constructed on September 24, 2012. Texas Brine began reconstruction of the mat road at well pad #3, going toward the sinkhole. This road has been constructed of river sand, filter fabric and wooden mats. The mat road has been constructed in the previous footprint, to the outside and on the eastern side of the sinkhole.

As discussed in the Phase One Plan for Sinkhole Management, the mat road will play a vital part in our recovery of oiled vegetation and crude oil removal. Texas Brine plans to collect crude oil via physical means with skimmers, and vacuums. We will also use Air Boats to sweep the surface of the sinkhole. Texas Brine has fabricated an oil collection box that will be placed at the end of the mat road, in the water, that will assist in the collection of crude oil.

Product that is recovered will be placed into a frac tank and stored for disposal. These Frac tanks are stored near the sinkhole in an orderly fashion. The vacuum trucks that are used are inspected for leaks and drips prior to leaving the facility for disposal. Occasionally, the Long-reach boom and operator may have to go back out on the mat road to sweep in additional debris that has been swept in by the air boats. The additional debris will be handled as discussed in Phase One. As a safety precaution, the truck driver will be instructed to remain in his vehicle with on ready should any movement be observed on the sinkhole. The truck driver will remain at/in his vehicle during the loading process. A spotter will be placed in a stationary location on Well Pad # 3 to watch for any movement of trees or debris in the sinkhole. Additionally, there will be supervision of the project entire project by TBC Employees.

Texas Brine is following the advice offered by LA DNR and pursuing the use of Oil Gator, as an in-situ remediation of crude oil in hard to reach places or in marginal places where oil may have escaped the containment boom. Texas Brine will not proceed with the use of this material or other materials until approval has been issued by the lead agency on this incident. The use of any such absorbent material will be used to augment the traditional physical oil removal procedures. The proposed use of Oil Gator will not replace the use of traditional physical oil spill removal.

If any personnel or contractors are allowed onto the sinkhole, then personal air monitoring devises will be used to monitor air quality/exposure while on the siinkhole.

The safe execution of this activity is the goal of TBC. This is why every person entering the property, must wear proper PPE (Hard Hat, Long Pants, Steel Toed Boots, and Safety Glasses).

