

INCIDENT ACTION PLAN

Be brief and concise with your entries

Location Bayou Corne Sink Hole	Control Level Company Supervisory	Operational Period From 10/2/13 To 10/3/13
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1.0 SITUATION Disease, community, environment PROMPTS: Weather, disease trends, Resources, Hazards & safety REFERENCE: Maps, weather reports, Sitreps, appreciation, warnings, alerts	CURRENT Mostly cloudy
	PREDICTION Variable clouds with thunderstorms, especially in the afternoon. 40% chance of precipitation. High Temperature near 86.
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.) <u>ORW, MRAA, and PMW wells</u> - Continue workover on OG WW-2 - Conduct daily well readings and flare maintenance - Continue monitoring drawdown test at OGRW 1 and ORW 9 - Continue to evaluate drawdown pump test at ORWs 39 and 40. Depressurize ORW-40 and lower pump to 100'. If successful, then repeat at ORW-39. - Dewater ORW-29 - Monitor transducers - Add transducer and well head on ORW-43 <u>Air Monitoring/Under-slab Ventilation</u> - Conduct ventilation system inspections. <u>CPT Well/MIHPT/DPVE/Tilt meter instrumentation</u> - Advance and complete MIHPT-47W and MIHPT-58 - Continue DPVE test at NSDBS-47 (mud volcano). Installing new pump today. - Tilt meter instrumentation monitoring <u>Containment/ Roads/ Sinkhole</u> - Grade main access road - Daily berm inspections - Remove water gauges - Build pad at ORW-38 <u>Survey/Sampling</u> - Weekly settlement plate survey

	Tomorrow's Activities - Continue under-slab pressure monitoring - Conduct daily well readings and flare maintenance - MIHPT-31 and MIHPT-65
Sinkhole Activity – Code 2	
3.0 EXECUTION add safety information as appropriate	
GENERAL OUTLINE 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, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised, stand by, enroute)	
SUPPLY WHO, WHAT, WHERE, WHEN of resources not readily available	NA

GROUND SUPPORT Transport of personnel, traffic mgt, refuelling, mechanical repair/maintenance	NA
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@cox- internet.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 ADMINISTRATION (Logistics services) PROMPTS: Unit names, locations, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised, stand by, enroute)	
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 REFERENCE Structural Chart	Plant Management Supervision / Contractor Work
COORDINATION & LIAISON Local knowledge, police, agency reps, emergency mgt reps	NA
COMMUNICATIONS PROMPTS Communications structure, operational comms plan, information mgt	Plant Management – Contractor Communication via Cell Phone

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: Wednesday, 2 Oct 2013

86°F

72°F

Sky Conditions: Scattered Thunderstorms

Sunrise: 6:58 AM **Sunset:** 6:48 PM

Wind: E (98°) @ 8Mph

Precipitation Probability: 40%



[View your complete Local Weather »](#)

Extended Forecast [Full 10-Day Forecast »](#)

Thursday 3 Oct 2013	Friday 4 Oct 2013	Saturday 5 Oct 2013	Sunday 6 Oct 2013
			
Isolated Thunderstorms	Scattered Thunderstorms	Scattered Thunderstorms	Isolated Thunderstorms
89°F 73°F	86°F 73°F	85°F 69°F	80°F 61°F

Detailed Forecast

Today:

Variable clouds with thunderstorms, especially in the afternoon. Humid. High 86F. Winds E at 5 to 10 mph. Chance of rain 40%.

Tonight:

A stray shower or thunderstorm is possible early. Partly cloudy skies. Low 72F. Winds light and variable.

Tomorrow:

Isolated thunderstorms. Highs in the upper 80s and lows in the low 70s.

Site Safety for Sinkhole and Surrounding Area

In an effort to provide for a safe work environment in and around the Sink Hole, this procedure has been put in place to inform workers of their allowed Work Areas. This procedure is only guidance and should not exclude any other observation or safety precautions in place that may cause any danger to anyone. All workers entering the Texas Brine facility should be informed of the risks that are posed by this ongoing event.

This system has been developed using a Code System and is defined as follows:

Code 1:

Is an all clear, with restriction to OXY pad 3 and the North pad area as indicated in the map below due to the concerns raised by Itaska.



Code 2:

Restrict all activity from inside the Berm, but not the Berm itself or outside; recommend that all operations in the immediate vicinity of the sinkhole be halted immediately. The Inside Berm is defined as indicated on the map below in red.



Code 3:

Restrict activity from inside and on the Berm, no work activity shall occur until Code level has been changed to allow. Continued monitoring of the berm for cracks and venting wells located adjacent to the berm. At this code level immediate notification shall be made of any changes that occur on sinkhole, swamp around sinkhole, or any changes to berm area. The Berm is defined as indicated in yellow on the map below.



Communication:

All workers working in conjunction with this ongoing event shall be informed of these codes and communication protocol developed to inform everyone when codes may change at any time.