

INCIDENT ACTION PLAN

Be brief and concise with your entries

Location Bayou Corne Sink Hole	Control Level Company Supervisory	Operational Period From 9/20/13 To 9/21/13
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<p>1.0 SITUATION Disease, community, environment</p> <p>PROMPTS: Weather, disease trends, Resources, Hazards & safety</p> <p>REFERENCE: Maps, weather reports, Sitreps, appreciation, warnings, alerts</p>	<p>CURRENT Partly cloudy</p> <hr/> <p>PREDICTION Variable clouds with thunderstorms, especially in the afternoon. 50% chance of precipitation. High Temperature near 89.</p>
<p>2.0 OBJECTIVES (or MISSION)</p> <p>PROMPTS: Time & space</p> <p>REFERENCE: Appreciation – control options, courses open to disease</p>	<p>CURRENT</p> <p>Objective 1 - Demonstrating sinkhole containment and determining if additional sinkholes could form.</p> <p>Objective 2 - Locating and mitigating the risk posed by the presence of shallow gas.</p> <p>Objective 3 - Confirming the broader stability of the Napoleonville Salt Dome.</p> <p>Current Actions: (For planning purposes only, all activities are subject to change.)</p> <p>ORW, MRAA, and PMW wells</p> <ul style="list-style-type: none"> - Conducted daily well readings and flare maintenance - Complete redevelopment of ORW-5 and pump out BMR - Install new well heads on ORWs 39 and 40 - Install fittings and piping on ORWs 39 and 40 in preparation for drawdown test - Monitor pump drawdown test at OGRW 1 and ORW 9 - Lay out marker for proposed CPT 91 location <p>OG3A</p> <ul style="list-style-type: none"> - Conduct depth logging <p>Air Monitoring/Under-slab Ventilation</p> <ul style="list-style-type: none"> - End and remove monitors for the 24-hour pressure test at 174 Crawfish Stew - Install monitors at 1438 and 1465 Sauce Piquante and begin 24-hour pressure test - Replace blowers @ 1433 Sauce Piquante and 116 Crawfish Stew - Conduct vacuum testing of installed ventilation systems <p>CPT Well/MIHPT/DPVE</p> <ul style="list-style-type: none"> - Advance and complete CPT 78 and MIHPTs 79 and 015 - Drill DPVE 22 - Install 1' geoprobes associated with DPVE 22 <p>Containment Berm/Roads/Sinkhole</p> <ul style="list-style-type: none"> - Continue placement of concrete mats for the overflow structure; Crimp wires to connect mats - Conduct silt fence repairs and new fence installation

	<ul style="list-style-type: none"> - Place limestone on DOT pad along access path to ORW 48 - Lay out wiring and electric pole at MRAA 7 pad for powering and place limestone in area of proposed guard shack - Place limestone on newly constructed video pad located to the northwest of north berm <p><u>Sampling/Survey</u></p> <ul style="list-style-type: none"> - Continue Sinkhole perimeter survey <p><u>Tomorrow's Activities</u></p> <ul style="list-style-type: none"> - Continue under-slab pressure monitoring - Conduct daily well readings and flare maintenance - Continue CPT and MIHPT operations - Continue installation of DPVE wells in Bayou Corne Community
	<p>Sinkhole Activity – Code 1</p>

3.0 EXECUTION add safety information as appropriate

<p>GENERAL OUTLINE</p> <p>PROMPTS: Strategies & tactics (current/proposed/alternate)</p> <p>REFERENCE: Appreciation, Control Options</p>	<p>Safety Information: See Attached Safe Work Rules Reference IAP dated 8/9/12</p> <p>Additional to our Safe Work Rules for this project we are adding the awareness of insects, reptiles and animals.</p> <p>Inspect location for flammability</p> <p>Daily Safety Meetings</p> <p>PPE Required on site: Respirator w/ VOC Cartridge, Gloves for sampling, eye protection, life preservers, hearing protection.</p>
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<p>GROUPINGS</p>	<p>NA</p>
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<p>TASKS Including PR & Media</p>	<p>Same as above</p>
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<p>COORDINATING INSTRUCTIONS</p> <p>PROMPTS: Timings, routes, assembly areas, staging areas</p>	<p>Texas Brine Grand Bayou Facility will be used as staging area.</p>
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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: Friday, 20 Sep 2013

89°F
75°F

Sky Conditions: Scattered Thunderstorms
Sunrise: 6:52 AM **Sunset:** 7:03 PM
Wind: SE (126°) @ 10Mph
Precipitation Probability: 80%



[View your complete Local Weather »](#)

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

Saturday 21 Sep 2013	Sunday 22 Sep 2013	Monday 23 Sep 2013	Tuesday 24 Sep 2013
Thunderstorms 82°F 69°F	Isolated Thunderstorms 84°F 67°F	Isolated Thunderstorms 88°F 70°F	Isolated Thunderstorms 89°F 71°F

Detailed Forecast

Today:

Variable clouds with thunderstorms, especially in the afternoon. Humid. High 89F. Winds SE at 5 to 10 mph. Chance of rain 50%.

Tonight:

Scattered thunderstorms during the evening becoming more widespread overnight. Humid. Low near 75F. Winds E at 5 to 10 mph. Chance of rain 80%.

Tomorrow:

Showers and thunderstorms. Highs in the low 80s and lows in the upper 60s.

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.