

# INCIDENT ACTION PLAN

Be brief and concise with your entries

<b>Location</b> <b>Bayou Corne</b> <b>Sink Hole</b>	<b>Control Level</b> <b>Company Supervisory</b>	<b>Operational Period</b> <b>From 9/11/13</b> <b>To 9/12/13</b>
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<b>1.0 SITUATION</b> Disease, community, environment  PROMPTS: Weather, disease trends, Resources, Hazards & safety  REFERENCE: Maps, weather reports, Sitreps, appreciation, warnings, alerts	<b>CURRENT</b> Sunshine
	<b>PREDICTION</b> Plentiful sunshine. A stray shower or thunderstorm is possible. 10% chance of precipitation. High Temperature near 93.
<b>2.0 OBJECTIVES (or MISSION)</b>  PROMPTS: Time & space  REFERENCE: Appreciation – control options, courses open to disease	<b>CURRENT</b> <b>Objective 1</b> - Demonstrating sinkhole containment and determining if additional sinkholes could form.  <b>Objective 2</b> - Locating and mitigating the risk posed by the presence of shallow gas.  <b>Objective 3</b> - Confirming the broader stability of the Napoleonville Salt Dome.  <b>Current Actions:</b> <b>(For planning purposes only, all activities are subject to change.)</b>  <u><b>ORW, MRAA, and PMW wells</b></u> <ul style="list-style-type: none"> <li>- Conduct daily well readings and flare maintenance</li> <li>- Grout MRAA 5M</li> <li>- Install MRAA 5S</li> <li>- Dewater and pressure log ORWs 15 and 16</li> </ul> <u><b>Air Monitoring/Under-slab Ventilation</b></u> <ul style="list-style-type: none"> <li>- Vapor testing of ventilation systems</li> <li>- Follow up with repairs to under-slab probe at 134 Sportsmans Drive</li> <li>- Continue to retrofit new profile blowers on ventilation systems at 1438 Sauce Piquante</li> </ul> <u><b>CPT Well/MIHPT/DPVE</b></u> <ul style="list-style-type: none"> <li>- Complete installation of DPVE 47-3</li> <li>- Advance and complete CPT 89</li> <li>- Advance and complete MIHPTs 46 and 51</li> <li>- Continue testing pump on DPVE system</li> </ul> <u><b>Containment Berm/Roads/Sinkhole</b></u> <ul style="list-style-type: none"> <li>- Clear trees and begin construction of new north access road and pad</li> <li>- Continue lawn maintenance of areas north of Highway 70</li> </ul> <u><b>Sampling/Surveying</b></u> <ul style="list-style-type: none"> <li>- Continue sampling MRAA wells</li> </ul> <u><b>Tomorrow's Activities</b></u> <ul style="list-style-type: none"> <li>- Continue under-slab pressure monitoring</li> </ul>

	<ul style="list-style-type: none"> <li>- Conduct daily well readings and flare maintenance</li> <li>- Continue MIHPT operations</li> <li>- Continue DPVE operations</li> <li>- Continue retrofitting vent systems with new profile blowers</li> <li>- Begin construction of new north access road and pad</li> </ul>
<b>Sinkhole Activity – Code 1</b>	
<b>3.0 EXECUTION</b> add safety information as appropriate	
<b>GENERAL OUTLINE</b>  PROMPTS: Strategies & tactics (current/proposed/alternate)  REFERENCE: Appreciation, Control Options	<b>Safety Information: See Attached Safe Work Rules</b> <b>Reference IAP dated 8/9/12</b> <b>Additional to our Safe Work Rules for this project we are adding the awareness of insects, reptiles and animals.</b> <b>Inspect location for flammability</b> <b>Daily Safety Meetings</b> <b>PPE Required on site: Respirator w/ VOC Cartridge, Gloves for sampling, eye protection, life preservers, hearing protection.</b>
<b>GROUPINGS</b>	<b>NA</b>
<b>TASKS</b> Including PR & Media	<b>Same as above</b>
<b>COORDINATING INSTRUCTIONS</b>  PROMPTS: Timings, routes, assembly areas, staging areas	<b>Texas Brine Grand Bayou Facility will be used as staging area.</b>
<b>4.0 ADMINISTRATION</b> (Logistics support)	
PROMPTS: Unit names, locations, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised, stand by, enroute)	
<b>SUPPLY</b> WHO, WHAT, WHERE, WHEN of resources not readily available	<b>NA</b>

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

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

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

## Belle Rose, Louisiana, United States

**Today's Forecast:** Wednesday, 11 Sep 2013

**93°F**

**71°F**

**Sky Conditions:** Mostly Sunny

**Sunrise:** 6:47 AM **Sunset:** 7:14 PM

**Wind:** E (84°) @ 9Mph

**Precipitation Probability:** 10%



[View your complete Local Weather »](#)

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

Thursday 12 Sep 2013	Friday 13 Sep 2013	Saturday 14 Sep 2013	Sunday 15 Sep 2013
			
Mostly Sunny <b>94°F</b> <b>71°F</b>	Sunny <b>93°F</b> <b>72°F</b>	Partly Cloudy <b>90°F</b> <b>72°F</b>	Isolated Thunderstorms <b>90°F</b> <b>73°F</b>

## Detailed Forecast

### Today:

Plentiful sunshine. A stray shower or thunderstorm is possible. High 93F. Winds E at 5 to 10 mph.

### Tonight:

A mostly clear sky. Low 71F. Winds E at 5 to 10 mph.

### Tomorrow:

A few clouds. Highs in the mid 90s 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:

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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:

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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:

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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:

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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.