INCIDENT ACTION PLAN

Be brief and concise with your entries

Location	Control Level	Operatio	Operational Period		
Bayou Corne Sink Hole	Company Supervisory	From 5/10/15	To 5/11/15		
1.0 SITUATION Disease, community,	CURRENT Mostly cloudy				
environment	PREDICTION				
PROMPTS: Weather, disease trends, Resources, Hazards & safety	Mainly cloudy. 0% chance of precipitation. High Temperature near 87.				
REFERENCE: Maps, weather reports, Sitreps, appreciation, warnings, alerts					
2.0 OBJECTIVES (or MISSION)	CURRENT Objective 1 - Demonstrating sinkhole containment and determining if additional sinkholes could form.				
PROMPTS: Time & space	Objective 2 - Locating and mitigati of shallow gas.	ng the risk posed	by the presence		
REFERENCE: Appreciation – control options, courses open to disease	Objective 3 - Confirming the broader stability of the Napoleonville Salt Dome.				
	Current Actions: (For planning purposes only, all act	ivities are subject	to change.)		
	ORW, MRAA, PMW, PVW and Geoprobe well - Conduct daily well readings and flare mainten - Monitor continuous dewatering of select ORW	nance			
	Air Monitoring/ Monitoring Equipment - Daily monitoring of In-home gas monitors and	AreaRAEs			
	Containment/ Roads/ Sinkhole - Daily berm inspections				
	Tomorrow's Activities - Conduct daily well readings and flare mainten	nance			
	- Conduct Daily berm inspections				
	 Monitor continuous dewatering of select ORWs Conduct Phase 4 test at OR 				
	Sinkhole Activity – Code 3				
3.0 EXECUTION a	d safety information as appropriate				
GENERAL OUTLINE	Safety Information: See Attache		les		
PROMPTS:		AP dated 8/9/12			
Strategies & tactics (current/proposed/alternate)	Additional to our Safe Work Rul the awareness of insects, reptile		ct we are adding		
REFERENCE: Appreciation, Control Options	Inspect location for flammability Daily Safety Meetings				
IAP [Bayou Corne Sink Ho		lav 2010	Page 1 of 5		

	PPE Required on site: Respirator w/ VOC Cartridge, Gloves for sampling, eye protection, life preservers, hearing protection.
GROUPINGS	ΝΑ
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.
	ION (Logistics support) , contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised,
SUPPLY WHO, WHAT, WHERE, WHEN of resources not readily available	ΝΑ
GROUND SUPPORT Transport of personnel, traffic mgt, refuelling, mechanical repair/maintenance	ΝΑ
COMMUNICATIONS Installation, maintenance, technical advice	Cell Phone & Landline Communications: Chad Morales – Area Manager – Scott Borne – Facility Manager – Scott Borne @texasbrine.com Joel Miller, PE – Consultant – Joel Miller, PE – Consultant – Mark Cartwright – Operations/PR – Mark Cartwright – Technical/Engineering – Mark Cartwright – Technical/Engineering – Mark Cartwright @unitedbrine.com Scott Whitelaw – Environmental/Safety – Scott Whitelaw – Environmental/Safety – Scott Whitelaw @tum.com

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	ΝΑ		
CATERING	ΝΑ		
OH&S/MEDICAL Medical plan, first aid plan	Call 911		
FINANCE	ΝΑ		
TRAVEL	ΝΑ		
INDUCTION/ TRAINING	ΝΑ		
ACCOMMODATION	ΝΑ		
6.0 CONTROL, COORDINATION & COMMUNICATION			
CONTROL & COORDINATION STRUCTURE	Plant Management Supervision / Contractor Work		
REFERENCE Structural Chart			
COORDINATION & LIAISON	ΝΑ		
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: Sunday, 10 May 2015

87°F 68°F



Sky Conditions: Mostly Cloudy Sunrise: 6:15 AM Sunset: 7:46 PM Wind: SE (146°) @ 11Mph Precipitation Probability: 0%

View your complete Local Weather »

Extended Forecast		Full 10-Day Forecast »	
Sunday 10 May 2015	Monday 11 May 2015	Tuesday 12 May 2015	Wednesday 13 May 2015
July -	1	and the second	Course.
			Carl.
Partly Cloudy	PM Thunderstorms	PM Thunderstorms	Cloudy
88°F	88°F	87°F	87°F
72°F	71°F	70°F	70°F

Today:

Mainly cloudy. High 87F. Winds SE at 10 to 15 mph. **Tonight:** Partly cloudy skies. Low 68F. Winds SE at 5 to 10 mph. **Tomorrow:** Mix of sun and clouds. Highs in the upper 80s and lows in the low 70s.

Seismic Code	Seismic Activity	Sinkhole Access	Berm Road Access	Work Allowed
1	Minimal to no seismic activity around/below sinkhole; 10 or fewer of the sharp seismic signals associated with rock movement, called mini-earthquakes (MEQs) or the longer signals associated with gas or liquid movement, called Very Long Periods (VLPs) within 24-hour period; allows work on sinkhole and inside berm area to continue	 Approved¹ work allowed only in designated areas of sinkhole. Some areas may be restricted due to unsafe conditions (e.g., leaning trees). Sinkhole grid system shown in Figure 1 will be used to define restricted areas for individual work activities. All vessels must have at least 2 persons. Workers must wear approved PFDs. No work allowed after sunset. Safety boat on standby. 	Access allowed on all berms and roads unless an area is physically barricaded.	Approved work allowed in unrestricted areas. Work area must be cleared of hazards and a Work Permit issued before start.
2	Indicates some increased seismic activity around/below sinkhole but not at a level that indicates imminent threat of sloughing or movement below sinkhole (10 to 50 MEQs or VLPs in 24 hours)	 Code 1 requirements plus: Each vessel inside designated sinkhole area (see Figure 2) must have a designated shoreline watch who is in constant radio communication with vessel. 	Access allowed on all berms and roads unless an area is physically barricaded.	 Code 1 requirements plus: Each work activity must have a designated person with means to warn all workers of unusual activity on sinkhole.
3	Indicates seismic activity has elevated to a point similar to what has been seen in past monitoring prior to a sloughing on the shore or movement beneath sinkhole (More than 50 MEQs or VLPs in 24 hours)	 Code 1 requirements plus: Each vessel inside the defined containment berm (see Figure 2) must have a designated shoreline watch who is in constant radio communication with vessel. 	All berm roads are closed except the north berm from the TBC Access road to Rig Road (unless restricted for non- seismic reasons). All other berms open only to UTVs for personnel doing approved work. Anyone on a UTV must have a radio, air horn, and approved PFD.	 Code 1 and 2 requirements plus: Work is allowed on a case by case basis as determined by TBC Operations:

1. All site work must be approved by TBC Response Operations.

2. The Texas Brine access road from Highway 70 to Pad 10 is not considered part of the designated containment berm for purposes of this document.

3. Codes are set by Assumption Parish Office of Emergency Management

Page 14-A, Texas Brine Company, LLC, Health and Safety Plan, Bayou Corne, Belle Rose, Louisiana, Sept 2013

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.