

	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 – 985- [REDACTED] (985- [REDACTED]) kblanchard@texasbrine.com Scott Borne – Facility Manager – 985- [REDACTED] (985- [REDACTED]) sborne@texasbrine.com Joel Miller, PE – Consultant – 337- [REDACTED] (337- [REDACTED]) joel.miller@cox-internet.com Bruce Martin – Operations/PR – 713- [REDACTED] (281- [REDACTED]) bmartin@texasbrine.com Mark Cartwright – Technical/Engineering – 713- [REDACTED] (281- [REDACTED]) mcartwright@unitedbrine.com Scott Whitelaw – Environmental/Safety – 713- [REDACTED] (713- [REDACTED]) 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

<p>COMMUNICATIONS</p> <p>PROMPTS Communications structure, operational comms plan, information mgt</p>	<p>Plant Management – Contractor Communication via Cell Phone</p>
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<p style="text-align: center;">EXTRAS</p>	
<p>Attachments</p> <p>PROMPTS:: maps, weather, organisational charts, resources, comms diagram</p>	<p>Site Map Current Weather Safe Work Rules</p>
<p>Plan developers</p> <p>PROMPTS PO, Logs Mgr, Controller</p>	<p>NA</p>
<p>Approval</p> <p>Controller, Ops Director</p>	<p>TBC Company Rep: <i>Scott Borne</i> FOSC: SOSC: POSC:</p>

MILLER ENGINEERS & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
FRANKLIN, LA.

OXY #5 MONUMENT

1" = 400'

NOTE:
PROPERTY & LEASE LINES ARE APPROXIMATE ONLY.
THIS SKETCH DOES NOT REPRESENT A PROPERTY
BOUNDARY SURVEY.

OXY #4 MONUMENT

APPROX. EDGE
OF SLURRY PIT
8/4/12



T.B.M. 6

TB
WATER SAMPLES

WELL 11

TANK "W"

TANK "E"

WATER WELL

T.B.M. 3A

T.B.M. 3C

WATER WELL 5

WATER WELL 2

WELL 3

T.B.M. 3

T.B.M. 5

T.B.M. 3B

TBC LEASE LINE

WELL 9

GPS BASE

WELL 10

REFERENCE PT

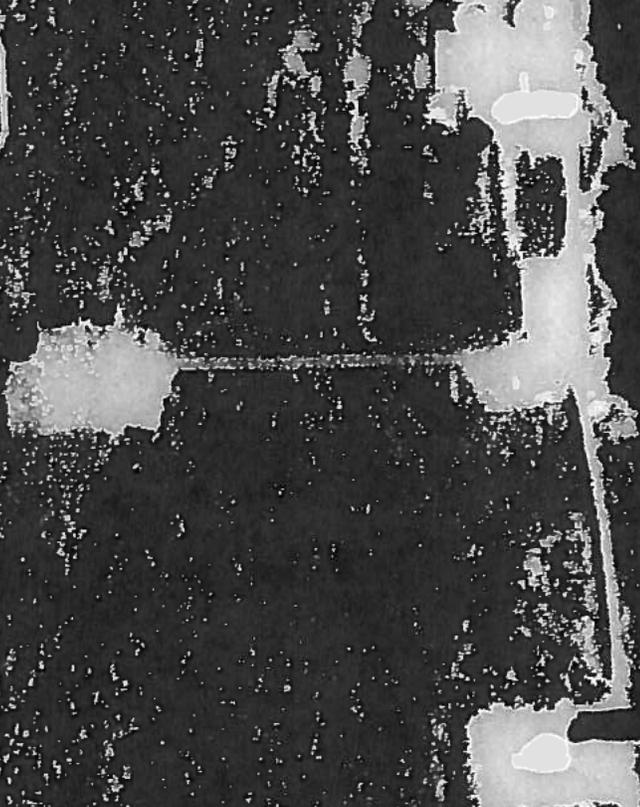
OXY GPS #4

T.B.M. 4

AM-01

AM-02

AM-03

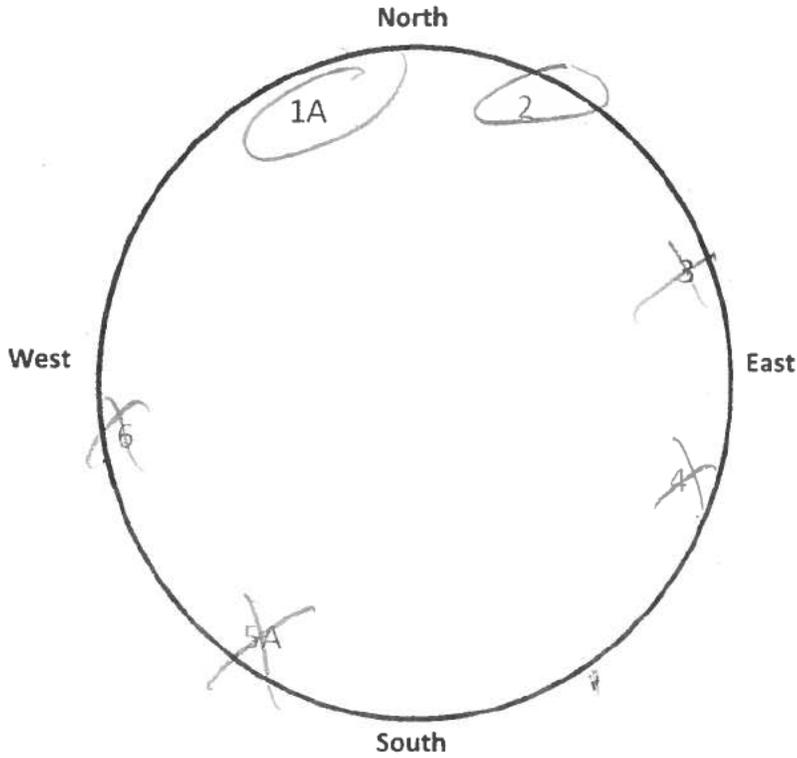


Site Name: [unclear] Monitoring Locations
17/2012 - current

Bayou Corne Sinkhole

Date and Time: 10-18-12 8:15

	Time 7:00 p.m.	Time 10:00 p.m.	Time 1:00 a.m.	Time 4:00 a.m.
Tree 1		✓		
Tree 2		✓		
Tree 3		X		
Tree 4		X		
Tree 5		X		
Tree 6		X		



NOTE: Coordinates for each tree are forth coming.

By: John C. Dagle

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:

1. 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.

If any personnel or contractors are allowed onto the sinkhole, then air monitoring devices will be used to monitor the levels of VOC's on the site.

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).

TEXAS BRINE COMPANY, LLC AND AFFILIATED COMPANIES

Safe Work Practices

UNDERGROUND
STORAGE, LLC



UNITEDBRINE

UNITEDBRINE

TEXAS BRINE COMPANY, LLC

FLUORIDE SERVICE
SERVICES, LLC



American Chemical Society

American
Chemical
Society

48°F Belle Rose, Louisiana

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Current Conditions - °F | °C As of 6:53 AM on Friday 19 Oct 2012 (Local Time) from KBTR Reporting Station

Clear 48°F Feels Like: 48° Wind Chill: 48° Heat Index: 48° Dew Point: 47° Humidity: 96% Pressure: 29.95" <small>Report Text: KBTR 191153Z AUTO 09000KT 10SM CLR 09/08 A2995 RMK AO2 SLP140 T00890083 10144 20089 51010 TSNQ</small>	Today's Forecast 8 AM Sunny 62° 9 AM Sunny 67° 10 AM Sunny 70°	Local Information No Weather Alerts for this location View Detailed Observations for the last 48 Hours · 14 Days View Complete Hourly Forecast > Radar · Satellite · Surface Analysis
	Ceiling: Unl Visibility: 10mi Wind: 0mph Direction: NA NA Gusts: NA	

New Forecast Map Updates Plan your seasonal activities better [Click here to learn more...](#)

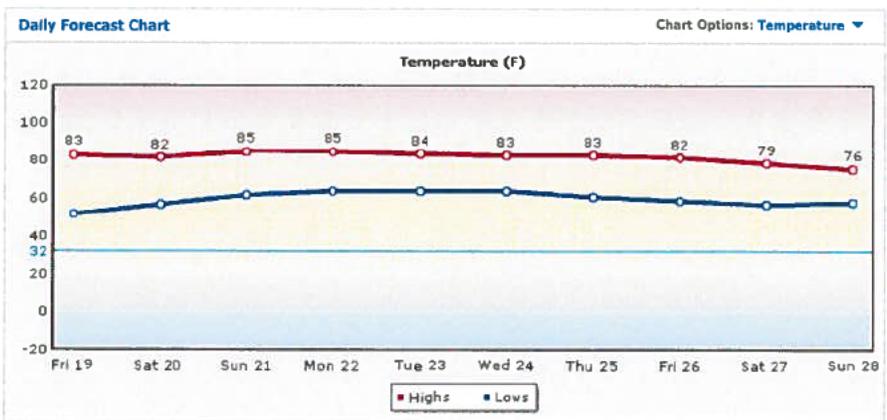
10 Day Forecast - °F | °C View the Detailed Extended Forecast >

Day	19	20	21	22	23	24	25	26	27	28
Day	oct 19	oct 20	oct 21	oct 22	oct 23	oct 24	oct 25	oct 26	oct 27	oct 28
Weather	Sunny	Sunny	M Sunny	Sunny	Sunny	P Cloudy	M Sunny	Sunny	Sunny	Sunny
High/Low	83° / 52°	82° / 57°	85° / 62°	85° / 64°	84° / 64°	83° / 64°	83° / 61°	82° / 59°	79° / 57°	76° / 58°

Details for Friday, October 19
 Sunny, High 83F, Winds WNW at 10 to 15 mph.
 Evening: Mainly clear, Low 52F, Winds WNW at 5 to 10 mph.

UV Index: 7 (High) | Relative Humidity: 39% | Precipitation: 0% | Snow: 0% | Cloud Coverage: 1%

Sunrise: 7:09 AM | Moonrise: 11:38 AM | Moonset: 10:22 PM | Moonphase: Waxing Crescent | Direction: WNW (300°) | Speed: 12Mph(19Km, 10Kts)



Temperature UV Index Relative Humidity Precipitation Snow Clouds Wind

[Daily Forecast](#) [Hourly Forecast](#) [Past Observations](#) [Historic Averages](#)

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