

INCIDENT ACTION PLAN

Be brief and concise with your entries

Location Bayou Corne Sink Hole	Control Level Company Supervisory	Operational Period From 10/11/12 To 10/12/12
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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 Sunny
	PREDICT Sunny

2.0 OBJECTIVES (or MISSION) PROMPTS: Time & space REFERENCE: Appreciation – control options, courses open to disease	CURRENT Objective 1 - Gas Monitoring: 3 Gas Monitors have been set up in the field and are obtaining data on a continuous basis. (See Attached Map for Locations) The monitors are running on batteries which must be changed out every morning. Three monitors are located in the swamp and are required to be reached via airboats launched from TBC facilities. The continuous monitoring data is collected at an office trailer located at Texas Brine Grand Bayou Facility. Monitoring the information on a 24 hours basis. Monitoring is being recorded for LEL, VOC, H2S and O2. Objective 2 - Elevation survey taking place once a week. Objective 3- Sink hole observation. See attached Map. Remediation plan continues with removal of vegetation also we will be using four drum skimmers and two vacuum trucks. See Attached Plan. Objective 4- Water Sampling will be taking place today over the sink hole at different depths. We will utilize two air boats for personal and equipment.
	ALTERNATE

3.0 EXECUTION add safety information as appropriate
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GENERAL OUTLINE PROMPTS: Strategies & tactics (current/proposed/alternate)	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
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<p>REFERENCE: Appreciation, Control Options</p>	<p>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.</p>
<p>GROUPINGS</p>	<p>NA</p>
<p>TASKS Including PR & Media</p>	<p>Same as above</p>
<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>
<p>4.0 ADMINISTRATION (Logistics support)</p> <p>PROMPTS: Unit names, locations, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised, stand by, enroute)</p>	
<p>SUPPLY WHO, WHAT, WHERE, WHEN of resources not readily available</p>	<p>NA</p>
<p>GROUND SUPPORT Transport of personnel, traffic mgt, refuelling, mechanical repair/maintenance</p>	<p>NA</p>
<p>COMMUNICATIONS Installation, maintenance, technical advice</p>	<p>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</p>

	<p>Mark Cartwright – Technical/Engineering – 713- (281-) mcartwright@unitedbrine.com Scott Whitelaw – Environmental/Safety – 713- (713-) swhitelaw@tum.com</p>
<p>STAGING AREA/ FCP Setting up, communications, staffing</p>	<p>Texas Brine Grand Bayou Facility 1301 Hwy 70 South, Belle Rose, La 70341</p>
<p>5.0 ADMINISTRATION (Logistics services)</p> <p>PROMPTS: Unit names, locations, contact names, phone no's, timings, duties/tasks, routes, suppliers, quantities, status (required, organised, stand by, enroute)</p>	
<p>FACILITIES Security, waste, cleaning</p>	<p>NA</p>
<p>CATERING</p>	<p>NA</p>
<p>OH&S/MEDICAL Medical plan, first aid plan</p>	<p>Call 911</p>
<p>FINANCE</p>	<p>NA</p>
<p>TRAVEL</p>	<p>NA</p>
<p>INDUCTION/ TRAINING</p>	<p>NA</p>
<p>ACCOMMODATION</p>	<p>NA</p>
<p>6.0 CONTROL, COORDINATION & COMMUNICATION</p>	
<p>CONTROL & COORDINATION STRUCTURE</p> <p>REFERENCE Structural Chart</p>	<p>Plant Management Supervision / Contractor Work</p>

<p>COORDINATION & LIAISON</p> <p>Local knowledge, police, agency reps, emergency mgt reps</p>	<p>NA</p>
<p>COMMUNICATIONS</p> <p>PROMPTS Communications structure, operational comms plan, information mgt</p>	<p>Plant Management – Contractor Communication via Cell Phone</p>

<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: 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 # MONUMENT

APPROX. EDGE
OF SLURRY PIT
8/4/12



T.B.M. 6

T.B. WATER SAMPLES

WELL 21

TANK "W"

TANK "E"

T.B.M. 1

WATER WELL

T.B.M. 3A

T.B.M. 3C

WATER WELL 5

WATER WELL 2

T.B.M. 2

WELL 3

T.B.M. 3

WELL 1

T.B.M. 5

T.B.M. 3B

TBC LEASE LINE

WELL 9

GPS BASE

WELL 10

REFERENCE PT

GPS 6

OXY GPS #4

T.B.M. 4

AM-01

AM 02

AM-03



Legend

- Property Line
- Water
- Other

13 Air Monitoring Locations
3/17/2012 - current

Bayou Corne Sinkhole

Date and Time:

6/16/12

Tree 1
Tree 2
Tree 3
Tree 4
Tree 5
Tree 6

7:00 p.m.

Time

✓
✓
✗
✗
✗
✗

10:00 p.m.

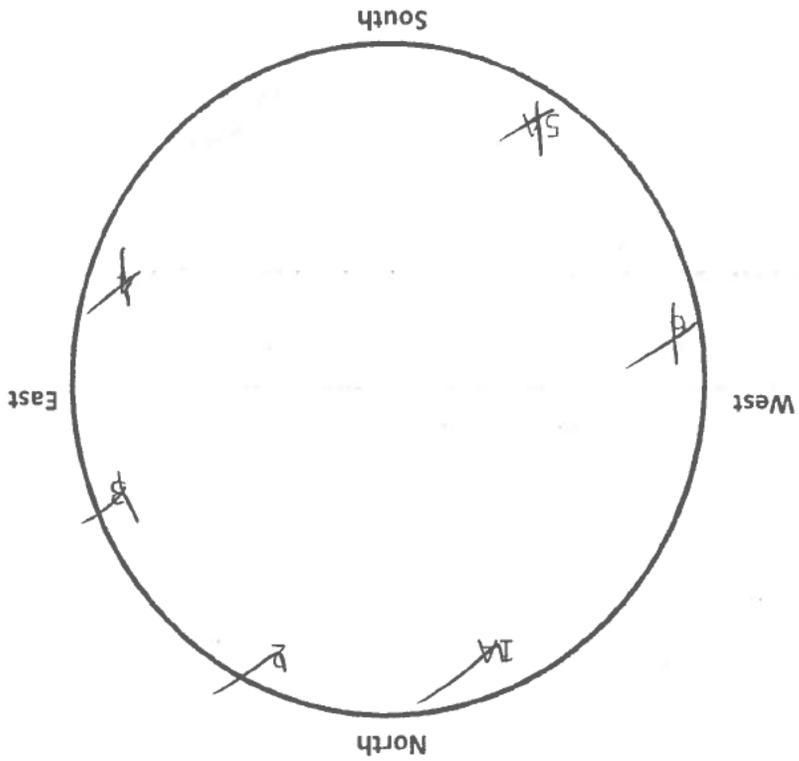
Time

1:00 a.m.

Time

4:00 a.m.

Time



NOTE: Coordinates for each tree are forth coming.

By: Mr. Boudreau

TEXAS BRINE COMPANY, LLC AND AFFILIATED COMPANIES

Safe Work Practices

UNDERGROUND
STORAGE, LLC



UNITEDBRINE

UNITEDBRINE

TEXAS BRINE COMPANY, LLC

UNIVERSITY
SERVICES, LLC



AMERICAN SOCIETY OF SAFETY ENGINEERS

American
Society of
Safety Engineers

Site Specific Safety Plan for Remediation of the Bayou Corne Sink Hole

The following plan is a site specific plan for the remediation of the Bayou Corne sink hole which will be achieved in two Phases. Phase one will include the construction of an access road to the sink hole which will allow the use of a long reach excavator. The excavator will be used to remove vegetation near the access road and place into roll off boxes. Phase two will consist of placing one or more airboats with attached rakes that will be used to push vegetation towards the access road where it will be removed and placed in roll off boxes. By removing the vegetation this allow us the use o skimmers and absorbent booms to aid in hydrocarbon removal.

Site Setting

The Texas Brine facility is located at 1301 Hwy 70, Belle Rose, LA 70341. The facility is located South of 70. The site is located on raised pads and roads but the property is otherwise swamp. A site map is attached. The nearest hospital Our Lady of the Lake is located in Napoleonville, LA. which is a 15 minute trip.

Site Specific Hazards

The site is located in a swamp setting and potential dangers may be present. Personnel should be aware of

Alligators

Wasps

Snakes

Spiders

Emergency Contact

911 will used in any emergency.

Cell phones on site

Site Safety

Safety Meeting

Held at the beginning of each shift.

PPE Requirements

Hard hat

Safety Glasses

Steel toe boots

Air Monitoring

A system of air monitoring devices have been placed across the property surrounding the sink hole. One air monitoring device is located next to the access road.

Airboats will have hand held monitors on there person at all times when on the sink hole

Spotters and Warnings

A person or persons armed with an air horn will be placed on site looking for safety issues such as

Leaning trees

Falling trees

Ground Movement

Driver of the truck attached to the roll off box will remain in the truck at all times and will be ready to vacate the access road on signal.

Heavy Equipment

Long reach excavator

Environmental

Vegetation will be placed in lined roll off boxes and disposed of

Airboats will remain inside the containment boom once entered

Decon of airboats will take place on location pad next to access road.

63°F Belle Rose, Louisiana

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Belle Rose, Louisiana

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Current Conditions - °F | °C

As of 6:53 AM on Thursday 11 Oct 2012 (Local Time) from KBTR Reporting Station



63°F

Feels Like: 63°

Wind Chill: 63° Heat Index: 63° Dew Point: 62° Humidity: 97% Pressure: 30.19"

Clouding: Unl Visibility: 5mi Wind: 3mph Direction: 60° (ENE) Gusts: NA

Report Text: KBTR 111153Z AUTO 06003KT 6SM BR SCT055 17/17 A3019 RMK AG2 SLP221 T01720167 10194 20167 53012 TSHO

View Detailed Observations for the last 48 Hours · 14 Days

Today's Forecast

8 AM	Sunny	69°
9 AM	Sunny	73°
10 AM	Sunny	77°

Local Information



No Weather Alerts for this location

New Forecast Map Updates Plan your seasonal activities better

Click here to learn more...



10 Day Forecast - °F | °C

View the Detailed Extended Forecast

thu	fri	sat	sun	mon	tue	wed	thu	fri	sat
oct 11	oct 12	oct 13	oct 14	oct 15	oct 16	oct 17	oct 18	oct 19	oct 20
Sunny	Sunny	Sunny	P Cloudy	P Cloudy	M Cloudy	P Cloudy	Sunny	Sunny	Sunny
87° 64°	87° 66°	86° 70°	86° 68°	85° 64°	84° 65°	85° 67°	82° 58°	79° 59°	80° 61°

Details for Thursday, October 11

Sunny. High 87F. Winds E at 5 to 10 mph. Evening: Generally clear. Low 64F. Winds light and variable.

UV Index: 8 (Very High) Relative Humidity: 65% Precipitation: 0% Snow: 0% Cloud Coverage: 1%

Sunrise: 7:04 AM Sunset: 6:37 PM

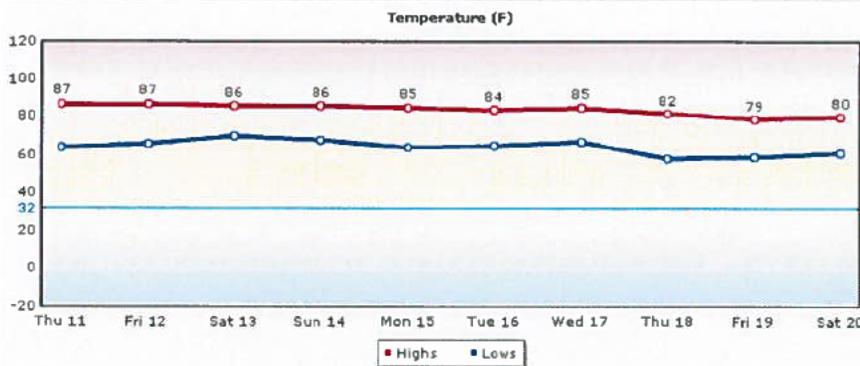
Moonrise: 3:00 AM Moonset: 3:59 PM

Moonphase: Waning Crescent

Direction: E (92°) Speed: 7Mph(11Km, 6Kts)

Daily Forecast Chart

Chart Options: Temperature



Temperature UV Index Relative Humidity Precipitation Snow Clouds Wind

Daily Forecast Hourly Forecast Past Observations Historic Averages

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