

# INCIDENT ACTION PLAN

Be brief and concise with your entries

<b>Location</b> Bayou Corne Sink Hole	<b>Control Level</b> Company Supervisory	<b>Operational Period</b> 8/11/12 From 06:00 To 20:00
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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	CURRENT  <b>Heavy Rain @ 08:00</b>
	PREDICTED  <b>Rain and Isolated Thunderstorms</b>

<b>2.0 OBJECTIVES (or MISSION)</b>  PROMPTS: Time & space  REFERENCE: Appreciation – control options, courses open to disease	CURRENT  <b>Clean Harbors to begin clean up.                  Clean Harbors setting up gas monitoring system.                  Chose location for Rig                  Contacts made for cementing volumes                  Contacts made to develop a logging program for drilling when cavern is re-entered.                  Contacts made to discuss directional drilling. Team of engineers has been advised on this issue.                  See attached memo for additional information.</b>
	ALTERNATE

**3.0 EXECUTION** 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                  Reference IAP dated 8/9/12                  Inspect location for flammability                  Daily Safety Meetings                  PPE Required on site: Respirator w/ VOC Cartridge, Gloves for sampling, eye protection, life preservers, hearing protection</b>
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<b>GROUPINGS</b>	<b>NA</b>
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<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>

**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)

<b>SUPPLY</b> WHO, WHAT, WHERE, WHEN of resources not readily available	<b>NA</b>
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<b>GROUND SUPPORT</b> Transport of personnel, traffic mgt, refuelling, mechanical repair/maintenance	<b>NA</b>
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<b>COMMUNICATIONS</b> Installation, maintenance, technical advice	<p><b>Cell Phone &amp; Landline Communications:</b>  <b>Kenneth Blanchard – Area Manager – 985- [REDACTED] 7 (985- [REDACTED] 4)</b>  <b>kblanchard@texasbrine.com</b>  <b>Scott Borne – Facility Manager – 985- [REDACTED] 7 (985- [REDACTED] 3)</b>  <b>sborne@texasbrine.com</b>  <b>Joel Miller, PE – Consultant – 337- [REDACTED] 0 (337- [REDACTED] 1) joel.miller@cox-internet.com</b>  <b>Bruce Martin – Operations/PR – 713- [REDACTED] 7 (281- [REDACTED] 0)</b>  <b>bmartin@texasbrine.com</b>  <b>Mark Cartwright – Technical/Engineering – 713- [REDACTED] 4 (281- [REDACTED] 5)</b>  <b>mcartwright@unitedbrine.com</b>  <b>Scott Whitelaw – Environmental/Safety – 713- [REDACTED] 9 (713- [REDACTED] 2)</b>  <b>swhitelaw@tum.com</b></p>
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<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>
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**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)

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

Memo

Date: 8/11/12

To whom it may concern,

From: Joel Warneke

Subject: Daily work on Grand Bayou sink-hole and future work.

Satellite Subsidence InSAR – PO is in place to obtain and process historical surface deformation data. This data will be used to compare the past to the future studies.

Sinkhole Water Column Profiling – Bill Goodman and Scott Whitelaw put together a plan to profile the salinity of the sinkhole. This is done to make sure that any impact to the freshwater zone can be tracked. They will be using Miller and Associates to help with the work.

Overburden Characterization Hole – The vendor that drilled the hole at Avery Island was located and contacted. The company was Prosonic, which in turn, was bought by Boart Longyear. The sonic rig was located in Ocala, FL and a quote has been solicited. The rig is available starting in September. A request has been put in to see if that date can be moved up.

MicroSeismic – Chevron is going to put in an order for the microseismic stations. I am currently working with them and their vendor (ESG) to see about expanding the network if the experts feel this is needed.

Drilling of Re-entry – Jeff McCartney and Leroy Arabie have submitted a draft drilling proposal. Jeff McCartney has contacted the LaDNR about the drilling permit and is working to get this task complete. The State has said that the well will be a Class V “observation” well. Leroy Arabie has located a rig that can be used to rig up on Oxy 9 without the need for a Corp of engineers permit. Joel Warneke had a discussion with the corp of engineers about an emergency permit for the “observation well” they said that they can issue a NOC20 permit. This will allow for an emergency well location to be constructed ASAP.

Sink-hole – Bill Goodman has a plan in place to do a complete sinkhole characterization. The instruments are being purchased and the work will commence when they arrive on site.

# INCIDENT BRIEFING

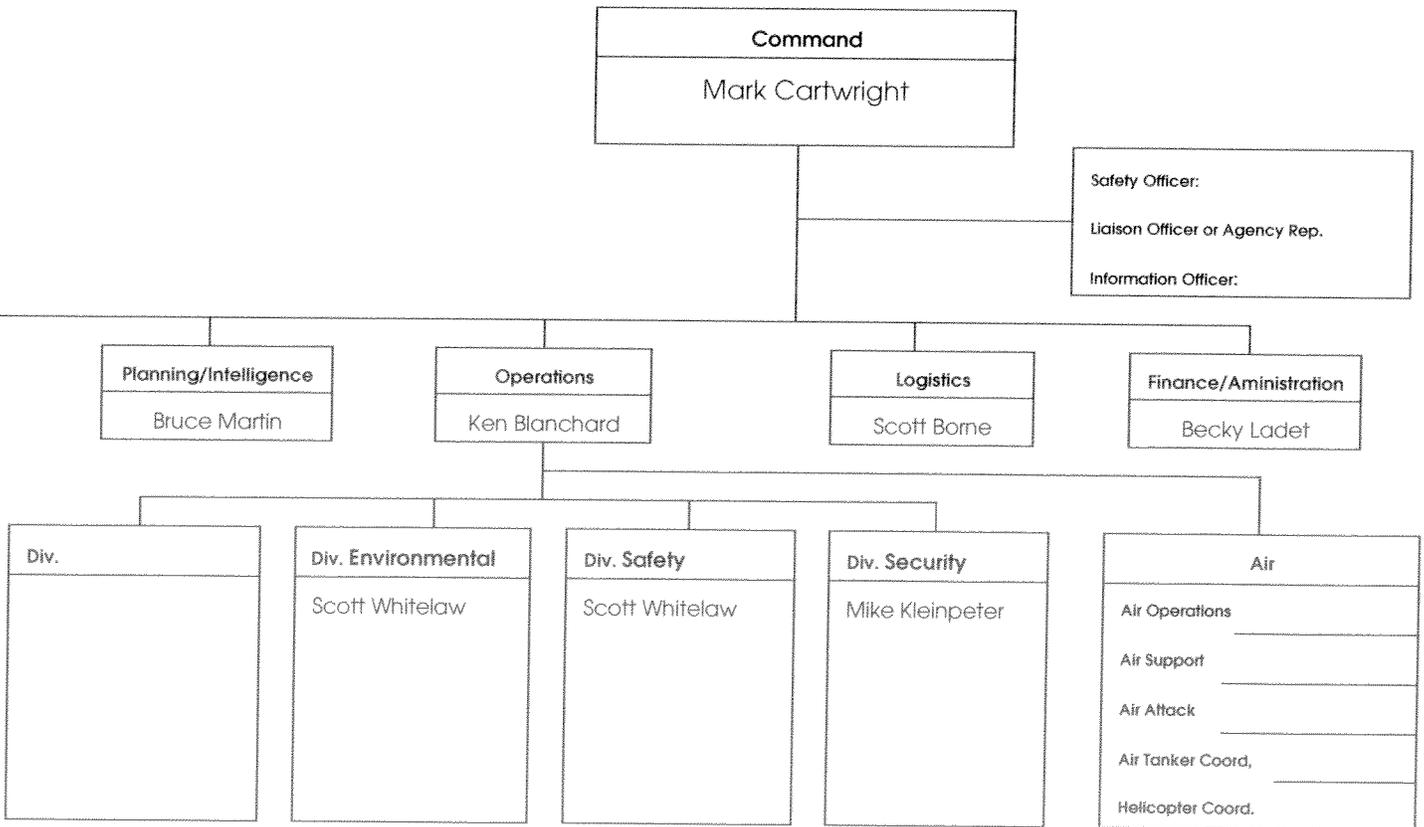
1. Incident Name  
Grand Bayou Come Sink Hole

2. Date  
8/11/2012

3. Time  
06:00-20:00

## 4. Map Sketch

## 5. Current Organization





<b>INCIDENT OBJECTIVES</b>	1. Incident Name Boyou Corne Sink Hole	2. Date 8/11/12	3. Time 06:00
4. Operational Period 06:00 - 20:00 Every Day			
5. General Control Objectives for the Incident (include alternatives) Management Objectives : Survey Sink Hole Remediate Sink Hole Sample Sink Hole  Operational Objectives : Same as above			
6. Weather Forecast for Period			
7. General Safety Message			
8. <b>Attachments (mark if attached)</b>			
<input type="checkbox"/> Organization List - ICS 203	<input type="checkbox"/> Medical Plan - ICS 206	<input type="checkbox"/> (Other)	
<input type="checkbox"/> Div. Assignment Lists - ICS 204	<input type="checkbox"/> Incident Map	<input type="checkbox"/>	
<input type="checkbox"/> Communications Plan - ICS 205	<input type="checkbox"/> Traffic Plan	<input type="checkbox"/>	
9. Prepared by (Planning Section Chief)	10. Approved by (Incident Commander)		

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<input type="checkbox"/> Div. Assignment Lists - ICS 204	<input type="checkbox"/> Incident Map	<input type="checkbox"/>	
<input type="checkbox"/> Communications Plan - ICS 205	<input type="checkbox"/> Traffic Plan	<input type="checkbox"/>	
9. Prepared by (Planning Section Chief)	10. Approved by (Incident Commander)		

**ORGANIZATION ASSIGNMENT LIST**

<b>1. Incident Name</b> Bayou Corne Sink Hole		<b>IS 203</b>	<b>Operations Section</b>
<b>2. Date</b> 8/11/12		<b>3. Time</b> 06:00 - 18:00	<b>Op's Chief</b>
<b>4. Operational Period</b> Everyday		<b>Deputy</b>	
<b>Position</b>	<b>Name</b>	<b>a. Branch I</b>	
<b>5. Incident Commander and Command Staff</b>		Branch Director	
<b>Incident Commander</b>	Mark Cartwright	Deputy	
<b>Deputy</b>	Kenneth Blanchard	Division/Group	
<b>Safety Officer</b>	Scott Whitelaw	Division/Group	
<b>Information Officer</b>	Bruce Martin	Division/Group	
<b>Liaison Officer</b>	Scott Borne	Division/Group	
<b>6. Agency Representative</b>		Division/Group	
Agency	Name	Staging Area	
		<b>b. Branch II</b>	
		Branch Director	
		Deputy	
		Division/Group	
		Staging Area	
<b>7. Planning/Intelligence Section</b>			
<b>Plans/Intel Chief</b>		<b>c. Branch III</b>	
<b>Deputy</b>		Branch Director	
Resources Unit		Deputy	
Situation Unit		Division/Group	
Documentation Unit		Division/Group	
Demobilization Unit		Division/Group	
<b>Technical Specialists</b>		Division/Group	
Human Resources		Division/Group	
Training		<b>d. Air Operations Branch</b>	
GIS		Air Operations Branch Director	
		Air Tactical Supervisor	
		Air Support Supervisor	
		Helicopter Coordinator	
		Air Tanker Coordinator	
<b>8. Logistics Section</b>		<b>10. Finance/Administration Section</b>	
<b>Logistics Chief</b>		<b>Finance/Admin. Chief</b>	
<b>Deputy</b>		<b>Deputy</b>	
Supply Unit		Time Unit	
Facilities Unit		Procurement Unit	
Ground Support Unit		Compensation/Claims Unit	
Communications Unit		Cost Unit	
Medical Unit			
Food Unit			

Prepared by (Resource Unit Leader)

79°F

Belle Rose, Louisiana

Enter City, State, Country or U.S. Zip code or Airport Id

Local Weather

Local National Global Storms Health Travel Community Forecast Current Radar Satellite wxMap iNav

Weather Report

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Belle Rose, Louisiana

Weather Report | Interactive Weather Map | Extended Forecast | Hourly Forecast | Past Observations | Historic Averages | Related

Current Conditions - °F | °C

As of 7:02 AM on Saturday 11 Aug 2012 (Local Time) from KBTR Reporting Station

Overcast <b>79°F</b> Feels Like: 82° Wind Chill: 79°    Ceiling: 1800 Heat Index: 82°    Visibility: 8mi Dew Point: 75°    Wind: 10mph Humidity: 89%    Direction: 220° (SW) Pressure: 29.9"    Gusts: 20mph Report Text: KBTR 111202Z AUTO 22009G17KT 8SM SCT009 OVC018 26/24 A2990 RMK AO2 TSNO	Today's Forecast		No Weather Alerts for this location
	8 AM Sct T-Storms <b>79°</b>	9 AM Hvy T-Storms <b>82°</b>	
<a href="#">View Detailed Observations for the last 48 Hours · 14 Days</a>	<a href="#">View Complete Hourly Forecast »</a>	<a href="#">Radar · Satellite · Surface Analysis</a>	

Tropical Storm Tracking

Tropical Depression 7



Current Track | Visible | Infrared

Tropical Storm Gilma



Current Track | Visible | Infrared

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10 Day Forecast - °F | °C

[View the Detailed Extended Forecast »](#)

sat		sun		mon		tue		wed		thu		fri		sat		sun		mon	
aug	11	aug	12	aug	13	aug	14	aug	15	aug	16	aug	17	aug	18	aug	19	aug	20
Hvy T-Storms	Iso T-Storms	P Cloudy	Sct T-Storms	Iso T-Storms	Iso T-Storms														
93°	74°	92°	76°	89°	76°	89°	76°	90°	76°	90°	76°	90°	75°	88°	75°	87°	74°	88°	75°

**Details for Saturday, August 11**

Thunderstorms - some may contain locally heavy rain, especially during the morning hours. High 93F. Winds SW at 5 to 10 mph. Chance of rain 80%. Locally heavier rainfall possible.

**Evening:** Isolated thunderstorms this evening. Skies will become partly cloudy after midnight. Low 74F. Winds light and variable. Chance of rain 30%.

UV Index: 9 (Very High)    Relative Humidity: 67%    Precipitation: 80%    Snow: 0%    Cloud Coverage: 68%

**Sunrise:** 6:30 AM  
**Sunset:** 7:48 PM

**Moonrise:** 1:05 AM  
**Moonset:** 3:15 PM



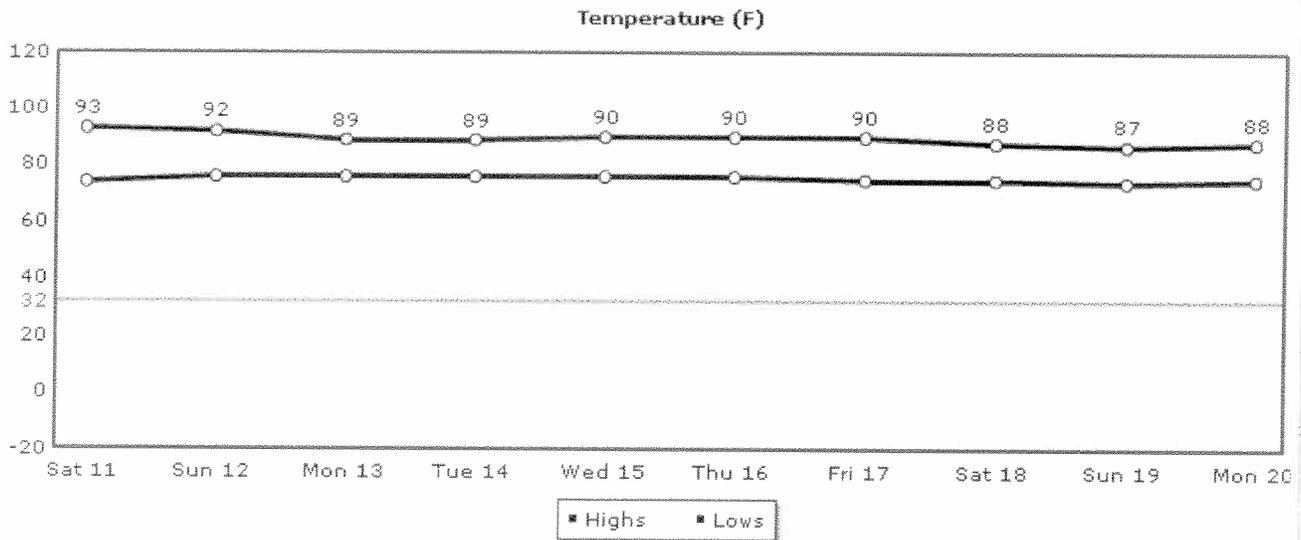
**Moonphase:**  
Waning Crescent



**Direction:** SW (233°)  
**Speed:** 9Mph(14Km, 7Kts)

**Daily Forecast Chart**

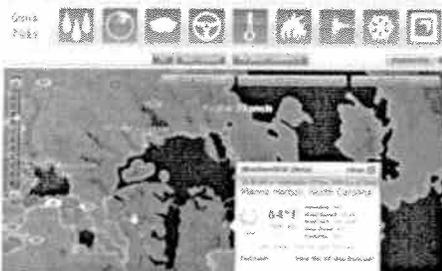
Chart Options: Temperature ▾



Temperature    UV Index    Relative Humidity    Precipitation    Snow    Clouds    Wind

Daily Forecast    Hourly Forecast    Past Observations    Historic Averages

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

GXY #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

WELL 1

TANK "W"

TANK "E"

T.B.M. 1

WATER WELL 1

T.B.M. 3C

T.B.M. 3A

WATER WELL 5

WATER WELL 2

T.B.M. 2

WELL 3

T.B.M. 3

WELL 2

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



# TEXAS BRINE COMPANY, LLC AND AFFILIATED COMPANIES

Safe Work Practices

UNDERGROUND  
STORAGE, LLC



**UNITEDBRINE**  
PIPELINE COMPANY

**UNITEDBRINE**  
PIPELINE COMPANY

TEXAS BRINE COMPANY, LLC

UNDERGROUND  
SERVICES-MARKHAM, LP



RESPONSIBLE CARE

American  
Chemistry  
Council



**SAFETY LOG SIGN-IN SHEET**

COMPANY: Texas Brine  
LOCATION: Grand Bayou  
DATE: 8/11/12  
HOURS: \_\_\_\_\_  
TOPICS/PURPOSE: Sink hole Clean up  
CONDUCTED BY: Scott Borne

**PERSONS ATTENDING:**

PRINT NAME	& SIGNATURE
<u>JOHN TRIFGLK</u>	<u>John Trifglk</u>
<u>EARL VANACOR</u>	<u>Earl Vanacor</u>
<u>Eddie Bailey Jr</u>	<u>Eddie Bailey Jr</u>
<u>Jacob Boudreaux</u>	<u>Jacob Boudreaux</u>
<u>Jules Johnson</u>	<u>Jules Johnson</u>
<u>Jason Poirier</u>	<u>Jason Poirier</u>
<u>Jordan Brasseur</u>	<u>Jordan Brasseur</u>
<u>Carlton Craft</u>	<u>Carlton Craft</u>
<u>Brandon Espree</u>	<u>Brandon Espree</u>
<u>Carl Burren Jr</u>	<u>Carl Burren Jr</u>
<u>Kevin Miller</u>	<u>Kevin Miller</u>
<u>James Haack</u>	<u>James Haack</u>
<u>Brandon Herbel</u>	<u>Brandon Herbel</u>

**PERSONS ATTENDING:**

Document Retention Time: Current Year + 1 Preceding Year (if Training Log 6 Years)  
Document Location: TDCBHS/Texas Brine/EHS/MS/HS Manuals/Forman-Affiliated Cos/Forms  
Document Name: Safety Log Sign-In Sheet.doc  
Revision Date: 10/2010

# SAFETY LOG SIGN-IN SHEET

PRINT NAME

& SIGNATURE

RICKIE GARRITT  
Jonathan J. Arcemont  
Mike Aucoin  
Mark Lenclos  
Robby Stalby

Rob P. [Signature]  
Jonathan J. Arcemont  
Mike Aucoin  
Mark Lenclos  
[Signature]