Industry and Investment NSW

INCIDENT ACTION PLAN

Be brief and concise with your entries

Location	Control Level	Operational Period
Bayou Corne Sink Hole	Company Supervisory	8/15/12 From 06:00 To 20:00

1.0 SITUATION Disease, community, environment PROMPTS: Weather, disease trends, Resources, Hazards & safety REFERENCE: Maps, weather reports, Sitreps, appreciation, warnings, alerts	CURRENT **Sunny @ 08:00** PREDICTED **Chance of isolated thunderstorms**
2.0 OBJECTIVES (or MISSION) PROMPTS: Time & space REFERENCE: Appreciation – control options, courses open to disease	CURRENT **Ranges of VOC are 0.8 – 4. Respiratory protection is required for VOC at 7ppm. (See attached)** **Clean Harbors set up a de-con station at the boat launch and waiting on landowner approval.** **Actively removing contaminated vegetation.** **Completion to the access road leading to the sink hole scheduled for this evening. Will start to remove vegetation using track hoe and roll off boxes in the morning.** **Waiting on approval of disposal from the waste site.** **Rig is moving on location.** **Scientists arrived to help with the sink hole characterization. The first inclinometers to be installed today.** **Coordinate with LDEQ with air sampling.** **Developing a plan to give the rig 24 hour gas monitoring.** **Continuous sampling of sink hole.**

	ALTERNATE

3.0 EXECUTION add safety information as appropriate

GENERAL OUTLINE PROMPTS: Strategies & tactics (current/proposed/alternate) REFERENCE: Appreciation, Control Options	**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 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.**
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 – 985-369-6657 (985-637-9774)** **kblanchard@texasbrine.com** **Scott Borne – Facility Manager – 985-369-6657 (985-637-9778)** **sborne@texasbrine.com** **Joel Miller, PE – Consultant – 337-828-1950 (337-578-3211) joel.miller@cox-internet.com** **Bruce Martin – Operations/PR – 713-877-2747 (281-808-5200)** **bmartin@texasbrine.com** **Mark Cartwright – Technical/Engineering – 713-877-2634 (281-744-4806)** **mcartwright@unitedbrine.com** **Scott Whitelaw – Environmental/Safety – 713-877-2729 (713-202-0452)** **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/	**NA**

TRAINING	
ACCOMMODATION	**NA**

6.0 CONTROL, COORDINATION & COMMUNICATION

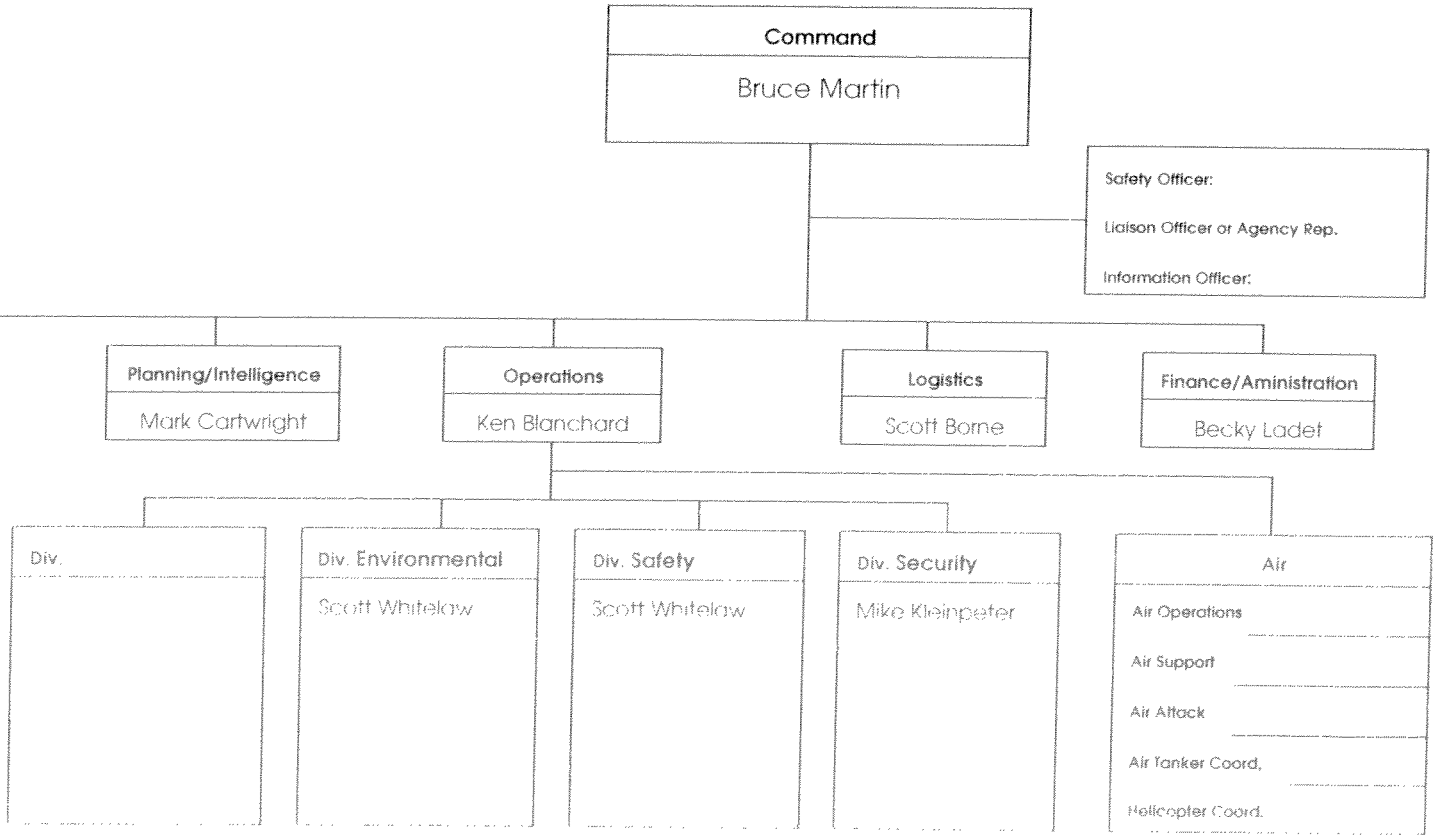
CONTROL & COORDINATION STRUCTURE REFERENCE Structural Chart	**Plant Management Supervision / Contractor Work**
COORDINATION & LIAISON Local knowledge, police, agency reps, emergency mgt reps	**NA**
COMMUNICATIONS PROMPTS Communications structure, operational comms plan, information mgt	**Plant Management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

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

INCIDENT BRIEFING	1. Incident Name Grand Bayou Corne Sink Hole	2. Date 8/15/2012	3. Time 06:00-20:00

4. Map Sketch

5. Current Organization



Page 1 of	6. Prepared by (Name and Position) Scott Whitelaw - EHS Manager

6. Resources Summary

Resources Ordered	Resource Identification	ETA	On Scene	Location/Assignment
Clean Harbor			6:30 am	Clean effected area

7. Summary of Current Actions

Clean Harbor Monitoring RAE Air system is reading 0.8 - 4ppm of VOC on the hole.

Clean Harbors set up a de-con station at the boat launch and waiting on landowner approval.

Actively removing contaminated vegetation.

An access road was constructed to the sink hole. This is allowing us to use equipment to aid in removal of vegetation and petroleum product.

INCIDENT OBJECTIVES	1. Incident Name Bayou Corne Sink Hole	2. Date 8/15/12	3. Time 06:00

4. Operational Period

06:00 - 20:00 Every Day

5. General Control Objectives for the Incident (include alternatives)

Management Objectives

Remediate Sink Hole

Operational Objectives :

Same as above

6. Weather Forecast for Period

7. General Safety Message

8. Attachments (mark if attached)

☐ Organization List - ICS 203	☐ Medical Plan - ICS 206	☐ (Other)
☐ Div. Assignment Lists - ICS 204	☐ Incident Map	☐
☐ Communications Plan - ICS 205	☐ Traffic Plan	☐

9 Prepared by (Planning Section Chief)	10. Approved by (Incident Commander)

ORGANIZATION ASSIGNMENT LIST

1. Incident Name: Bayou Corne Sink Hole

2. Date	3. Time
8/15/12	06:00 - 18:00

4. Operational Period: Everyday

Position	Name
5. Incident Commander and Command Staff	
Incident Commander	Mark Cartwright
Deputy	Kenneth Blanchard
Safety Officer	Scott Whitelaw
Information Officer	Bruce Martin
Liaison Officer	Scott Borne
6. Agency Representative	
Agency	Name
7. Planning/Intelligence Section	
Plans/Intel Chief	
Deputy	
Resources Unit	
Situation Unit	
Documentation Unit	
Demobilization Unit	
Technical Specialists	
Human Resources	
Training	
GIS	
8. Logistics Section	
Logistics Chief	
Deputy	
Supply Unit	
Facilities Unit	
Ground Support Unit	
Communications Unit	
Medical Unit	
Food Unit	

ICS 203

9. Operations Section		
Op's Chief		
Deputy		
a. Branch I		
Branch Director		
Deputy		
Division/Group		
Division/Group		
Division/Group		
Division/Group		
Division/Group		
Staging Area		
b. Branch II		
Branch Director		
Deputy		
Division/Group		
Division/Group		
Division/Group		
Division/Group		
Division/Group		
Staging Area		
c. Branch III		
Branch Director		
Deputy		
Division/Group		
Division/Group		
Division/Group		
Division/Group		
Division/Group		
d. Air Operations Branch		
Air Operations Branch Director		
Air Tactical Supervisor		
Air Support Supervisor		
Helicopter Coordinator		
Air Tanker Coordinator		
10. Finance/Administration Section		
Finance/Admin. Chief		
Deputy		
Time Unit		
Procurement Unit		
Compensation/Claims Unit		
Cost Unit		

MILLER ENGINEERS & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
FRANKLIN, LA.
OXY #5 MONUMENT
N
1" = 400'
NOTE:
PROPERTY & LEASE LINES ARE APPROXIMATE ONLY.
THIS SKETCH DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.
OXY #4 MONUMENT
PL
T.B.M. 6
APPROX. EDGE OF SLURRY PIT 8/4/12
TB WATER SAMPLES
WELL 1
TANK "W"
TANK "E"
T.B.M. 1
WATER WELL 1
T.B.M. 3A
T.B.M. 3C
WATER WELL 5
WATER WELL 2
T.B.M. 2
WELL 3
WELL 2
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

81°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

Home » Local » Weather Report

Belle Rose, Louisiana

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

Current Conditions - °F | °C

As of 7:53 AM on Wednesday 15 Aug 2012 (Local Time) from KBTR Reporting Station

Few Clouds **81°F**

Feels Like: 89°

Wind Chill:	81°	Ceiling:	Unl
Heat Index:	89°	Visibility:	10mi
Dew Point:	78°	Wind:	6mph
Humidity:	91%	Direction:	250° (WSW)
Pressure:	29.99"	Gusts:	NA

Report Text: KBTR 151253Z 25005KT 10SM FEW025 27/26 A2999 RMK AO2 SLP155 T02720256

View Detailed Observations for the last 48 Hours · 14 Days

Today's Forecast

9 AM P Cloudy	**85°**
10 AM P Cloudy	**88°**
11 AM P Cloudy	**90°**

View Complete Hourly Forecast »

Local Information

No Weather Alerts for this location

Radar · Satellite · Surface Analysis

New Forecast Map Updates
Plan your seasonal activities better

10 Day Forecast - °F | °C

View the Detailed Extended Forecast »

wed	thu	fri	sat	sun	mon	tue	wed	thu	fri
aug 15	aug 16	aug 17	aug 18	aug 19	aug 20	aug 21	aug 22	aug 23	aug 24
Iso T-Storms	Sct T-Storms	Sct T-Storms	Sct T-Storms	Sct T-Storms	Sct T-Storms	P Cloudy	Sct T-Storms	Sct T-Storms	Sct T-Storms
93° 76°	90° 76°	89° 76°	86° 76°	85° 74°	85° 73°	86° 74°	87° 75°	87° 74°	87° 74°

Details for Wednesday, August 15

Some clouds and possibly an isolated thunderstorm this afternoon. Heat index near 105F. High 93F. Winds SW at 5 to 10 mph. Chance of rain 30%.

Evening: Isolated thunderstorms this evening. Skies will become partly cloudy after midnight. Low 76F. Winds S at 5 to 10 mph. Chance of rain 30%.

UV Index: 11 (Extreme) | Relative Humidity: 69% | Precipitation: 30% | Snow: 0% | Cloud Coverage: 43%

Sunrise: 6:32 AM
Sunset: 7:45 PM

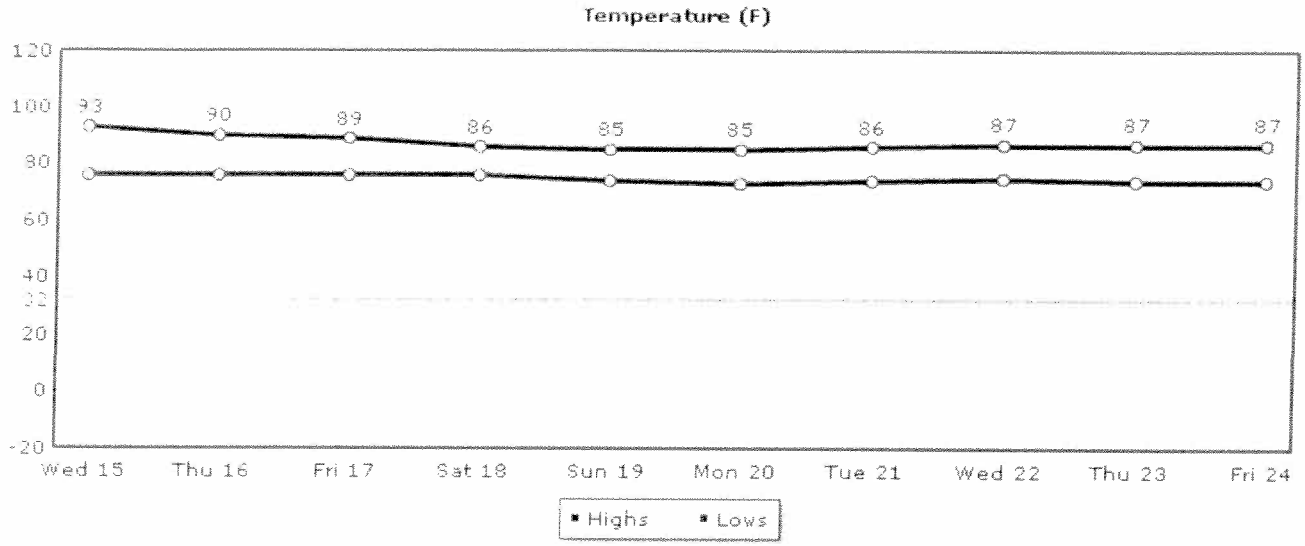
Moonrise: 4:34 AM
Moonset: 6:17 PM

Moonphase: Waning Crescent

Direction: SW (230°)
Speed: 7Mph(11Km, 6Kts)

Daily Forecast Chart

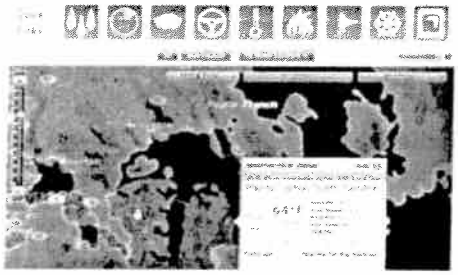
Chart Options: Temperature



Temperature UV Index Relative Humidity Precipitation Snow Clouds Wind

Daily Forecast Hourly Forecast Past Observations Historic Averages

More from Intellicast



Check Out Our
Interactive Weather Map

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- **Global Weather Maps**
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- **Active Storm Track**
- **Weather Tools**

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Weather Alerts
Current National Weather Service Watches and Warnings by type and state throughout the United States.

Ski & Snow
The Ski & Snow Section is where you can get the latest ski resort conditions and snow forecasts.

Clean Harbors
42 Longwater Drive
P.O. Box 9149
Norwell, MA 02061-9149

781.792.5000
800.282.0058
www.cleanharbors.com

The current ACGIH TLV for diesel fuel is 100 mg/m^3, or 10.5 ppm as an 8-hour TWA. Under Clean Harbors Guidelines the use of respiratory protection is required for all exposures with an 8-hour TWA of 7 ppm or higher. Respiratory protection is not required for exposures with an 8-hour TWA of less than 7 ppm. Short-term exposures without respiratory protection are allowed as high as 15 ppm, as long as the 8-hour TWA remains below 7 ppm.

Please call me with any questions.

Thanks,

Troy

Troy Timothy, MS, CIH, CSP
Clean Harbors Environmental Services, Inc
Industrial Hygienist
(435) 843-4848

Bayou Corne Sinkhole

Date and Time: 8-14-12 / 8-15-12

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

North

Vest

East

South

By: Martin Buxton

TEXAS BRINE COMPANY, LLC
AND AFFILIATED COMPANIES

Safe Work Practices

UNDERGROUND
STORAGE, LLC

UNITEDBRINE

UNITEDBRINE

TEXAS BRINE COMPANY, LLC

SERVICES WAREHAM, LP

RESPONSIBLE CARE

American Chemistry Council

SAFETY LOG SIGN-IN SHEET

COMPANY: _____

LOCATION: _____

DATE: 8/15/12

HOURS: _____

TOPICS/PURPOSE: _____

CONDUCTED BY: Scott Borne

PERSONS ATTENDING:

PRINT NAME	& SIGNATURE
Jules Johnson	[illegible]
Enrique Garcia Jr.	[illegible]
EARL VANACOR	Earl Vanacor
Jason Poirier	[illegible]
Jacob Boudreaux	Jacob Boudreaux
Jonathan J. Arcement	[illegible]
EMILIO MORES	[illegible]
RICARDO GAUTIER	RICARDO GAUTIER
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

PERSONS ATTENDING:

SAFETY LOG SIGN-IN SHEET

PRINT NAME	& SIGNATURE
Cody Barnes	
Mark Simon	Mark Simon
Doug Whitman	
Sam Armstrong	
Dino Gaudet	
Jeff Sellers	
David Law	
Corey Brown	
Brandon Lincoln	
Robert Jones	
John Russell	
Russell Bradford	
James Howell	
Kevin Miller	
Kirby Stelly	

SAFETY LOG SIGN-IN SHEET

PRINT NAME	& SIGNATURE
Mark Landos	Mark Landos
HUGO Tintaya	[illegible]
Juan Camarena	[illegible]
JOHN TREGLE	John Tregle
Ernesto Arango	[illegible]
KEVIN RESTREPO	[illegible]
Joselin Lopez	[illegible]
Oscar Yerena	Oscar Yerena
Carl Burson Jr	[illegible]
Brendan [illegible]	[illegible]
Carlton Craft	Carlton Craft
Terence Hall Jr	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
LUIS A RIJO	
[illegible]	[illegible]