INCIDENT ACTION PLAN

Be brief and concise with your entries

Location	Control Level	Operational Period
Bayou Corne Sink Hole	Company Supervisory	8/14/12 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)** **Sampling of surface water.** **Clean Harbors set up a de-con station at the boat launch and waiting on landowner approval.** **Actively removing contaminated vegetation.** **In order to speed up site remediation an access road is being constructed to the sink hole. This will allow us to use equipment to aid in removal of vegetation and petroleum product.** **Waiting on approval of disposal from the waste site.** **Site is being prepared to accept the rig midday Wednesday.** **-Worked on getting PO's and managing the drilling project.** **Acquired drilling permit along with the casing, drilling contractor, and cement contractor.** **Installing the first of five inclinometer.**

	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/ TRAINING	**NA**

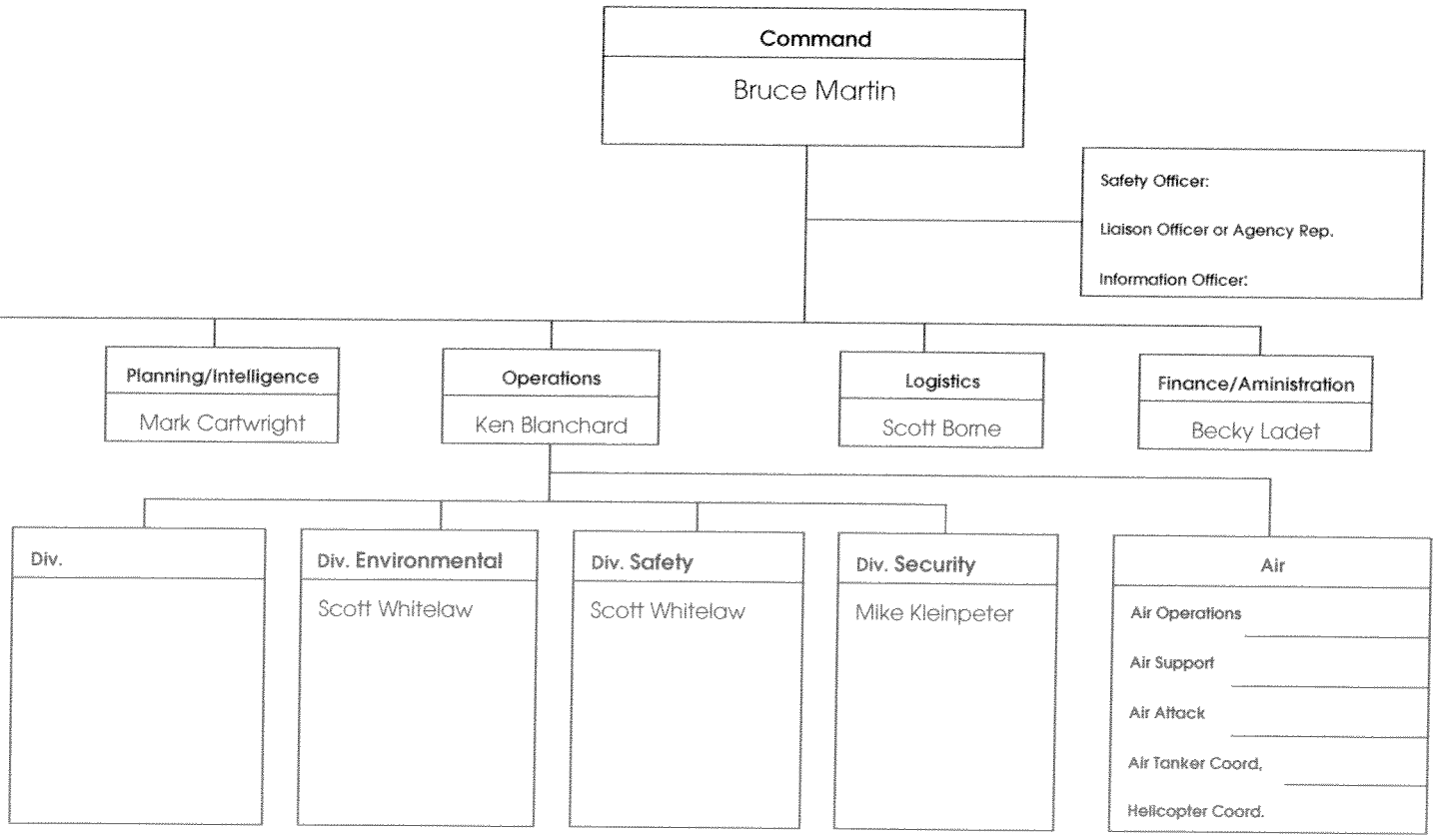
ACCOMMODATION	**NA**
6.0 CONTROL, COORDINATION & COMMUNICATION	
CONTROL & COORDINATION STRUCTURE REFERENCE Structural Chart	**Plant Management Supervision / Contractor Work**
COORDINATION & LIAISON Local knowledge, police, agency reps, emergency mgt reps	**NA**
COMMUNICATIONS PROMPTS Communications structure, 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 8/14/2012	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.

In order to speed up remediation an access road is being constructed to the sink hole. This will allow us to use equipment to aid in removal of vegetation and petroleum product.

INCIDENT OBJECTIVES	1. Incident Name Bayou Corne Sink Hole	2. Date 8/14/12	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)

INCIDENT OBJECTIVES	1. Incident Name Bayou Corne Sink Hole	2. Date 8/14/12	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

ICS 203

1. Incident Name	Bayou Corne Sink Hole
2. Date	8/14/12
3. Time	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	

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		

Prepared by (Resource Unit Leader)

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

781.792.5000
800.282.0058
www.cleanharbors.com

Jerry,

The current ACGIH TLV for diesel fuel is 100 mg/m^3, or 10.5 ppm as an 8-hour TWA. It is acceptable to require the use of respiratory protection for all exposures with an 8-hour TWA of 7 ppm or higher. Short-term exposures 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

MILLER ENGINEERS & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
FRANKLIN, LA.
NOTE:
PROPERTY & LEASE LINES ARE APPROXIMATE ONLY.
THIS SKETCH DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.
OXY #5 MONUMENT
N
1" = 400'
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 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

79°F Belle Rose, Louisiana

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

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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 6:53 AM on Tuesday 14 Aug 2012 (Local Time) from KBTR Reporting Station

Few Clouds

79°F

Feels Like: 83°

Wind Chill:	79°	Ceiling:	Unl
Heat Index:	83°	Visibility:	10mi
Dew Point:	76°	Wind:	6mph
Humidity:	90%	Direction:	250° (WSW)
Pressure:	29.98"	Gusts:	NA

Report Text: KBTR 141153Z AUTO 25005KT 10SM FEW070 26/24 A2998 RMK AO2 SLP150 T02610244 10278 20256 53009 TSNO

View Detailed Observations for the last 48 Hours · 14 Days

Today's Forecast

8 AM P Cloudy	**82°**
9 AM P Cloudy	**85°**
10 AM P Cloudy	**88°**

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
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10 Day Forecast - °F | °C

View the Detailed Extended Forecast »

tue aug 14	wed aug 15	thu aug 16	fri aug 17	sat aug 18	sun aug 19	mon aug 20	tue aug 21	wed aug 22	thu aug 23
Iso T-Storms	Iso T-Storms	Iso T-Storms	Sct T-Storms	Sct T-Storms	Sct T-Storms	Sct T-Storms	Sct T-Storms	Iso T-Storms	Sct T-Storms
91° 76°	92° 76°	89° 76°	88° 76°	87° 75°	86° 74°	85° 74°	87° 75°	88° 74°	88° 75°

Details for Tuesday, August 14

A mix of clouds and sun with a slight chance of thunderstorms this afternoon. High 91F. Winds WSW at 5 to 10 mph. Chance of rain 30%.

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

UV Index: 11 (Extreme) | Relative Humidity: 71% | Precipitation: 30% | Snow: 0% | Cloud Coverage: 48%

Sunrise: 6:31 AM
Sunset: 7:46 PM

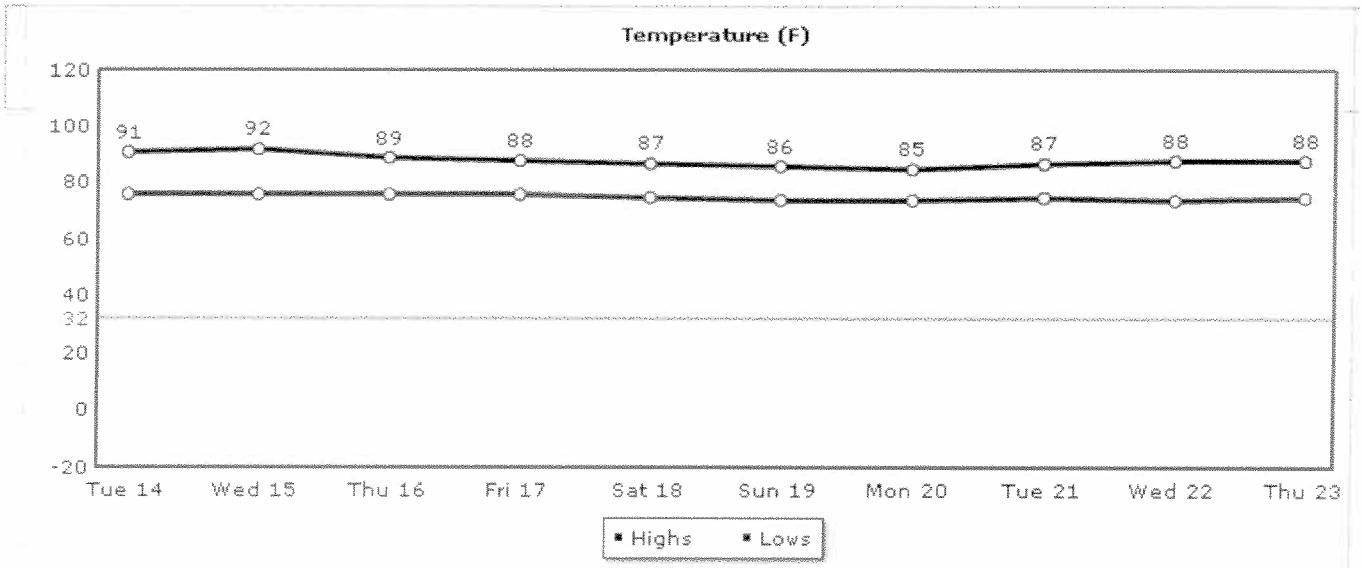
Moonrise: 3:37 AM
Moonset: 5:35 PM

Moonphase: Waning Crescent

Direction: WSW (237°)
Speed: 9Mph(14Km, 7Kts)

Daily Forecast Chart

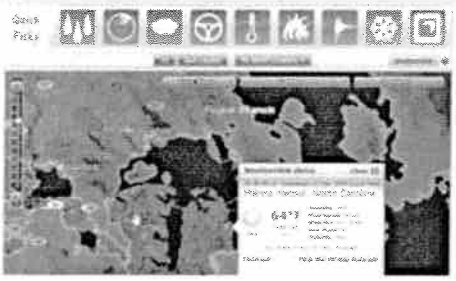
Chart Options: Temperature



Temperature UV Index Relative Humidity Precipitation Snow Clouds Wind

Daily Forecast Hourly Forecast Past Observations Historic Averages

More from Intellicast



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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.

SAFETY LOG SIGN-IN SHEET

COMPANY: Texas Brine / Clean Harbor

LOCATION: Grand Bayou

DATE: 8/14/12

HOURS:

TOPICS/PURPOSE: Sink Hole

CONDUCTED BY: Scott Borne

PERSONS ATTENDING:

PRINT NAME	& SIGNATURE
Russell Bradford	RBLL
Terence Hall Jr	[illegible]
Jeremie Wilson	[illegible]
Mark Simon	Mark Simon
Jeff Sellers	Jeff Sellers
Doug Whitman	[illegible]
David Law	[illegible]
Cody Barnes	Cody Barnes
Brandon Herbert	[illegible]
Sam Armstrong	[illegible]
Carl Barson Jr	[illegible]
Brandon Espree	Brandon Espree
Carlton Craft	Carlton Craft

SAFETY LOG SIGN-IN SHEET

PRINT NAME	& SIGNATURE
Ryan P. Hanline	Ryan P. Hanline
Antonio Lerma	Antonio Lerma
Jose A Yerena	[illegible]
Oscar Yerena	Oscar Yerena
James Haack	[illegible]
Kevin Miller	[illegible]
Danté Holmes	[illegible]
EMILIO MOREC	Emilio Morel
Jose Gonsalez	[illegible]
Macaulay Falu	[illegible]
LUIS A RIJO	[illegible]
Gilbert Vargas	[illegible]
Joselin Lopez	[illegible]
KEVIN RESTREPO	[illegible]
HUGO Tintaya	[illegible]
Mark Landos	Mark Land
Mike Aucoin	Mike Aucoin
Ronald Vickner	[illegible]
Carlos Robicheaux	Carlos Robicheaux
Richard White	[illegible]
James Fredico	James Fredico

SAFETY LOG SIGN-IN SHEET

PRINT NAME	& SIGNATURE
Ernesto Arango	[signature]
Juan Camarena	[signature]
RICARDO GAUTIER	RICARDO GAUTIER
JOHN TREGLE	John Tregle
Earl Vancor	Earl Vancor
Eddie Bailey	[signature]
Corey Breaux	[signature]
Chris Blakeston	[signature]
Eric Baccigalupi	[signature]
Brandon Vincent	[signature]
John Froissard	[signature]
Brooke Quirey	[signature]
Jerry Tsevetkov	[signature]
RICKIE GARRETT	[signature]
Rexby Stelling	[signature]