

INCIDENT ACTION PLAN

Be brief and concise with your entries

Location Bayou Corne Sink Hole	Control Level Company Supervisory	Operational Period From 9/30/12 To 10/1/12
---	---	---

<p>1.0 SITUATION Disease, community, environment</p> <p>PROMPTS: Weather, disease trends, Resources, Hazards & safety</p> <p>REFERENCE: Maps, weather reports, Sitreps, appreciation, warnings, alerts</p>	<p>CURRENT Rain</p>
	<p>PREDICT Rain</p>
<p>2.0 OBJECTIVES (or MISSION)</p> <p>PROMPTS: Time & space</p> <p>REFERENCE: Appreciation – control options, courses open to disease</p>	<p>CURRENT Objective 1 - Gas Monitoring:</p> <p>6 Gas Monitors have been set up in the field and are obtaining data on a continuous basis. (See Attached Map for Locations)</p> <p>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.</p> <p>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.</p> <p>Objective 2 - Elevation survey taking place once a week.</p> <p>Objective 3- Sink hole observation. See attached Map. Remediation plan to begin 10/1/12 @ 7:00 am See Attached Plan.</p>
	<p>ALTERNATE</p>
<p>3.0 EXECUTION add safety information as appropriate</p>	
<p>GENERAL OUTLINE</p> <p>PROMPTS: Strategies & tactics (current/proposed/alternate)</p> <p>REFERENCE: Appreciation, Control Options</p>	<p>Safety Information: See Attached Safe Work Rules Reference IAP dated 8/9/12</p> <p>Additional to our Safe Work Rules for this project we are adding the awareness of insects, reptiles and animals.</p> <p>Inspect location for flammability</p> <p>Daily Safety Meetings</p> <p>PPE Required on site: Respirator w/ VOC Cartridge, Gloves for sampling, eye protection, life preservers, hearing protection.</p>

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- (985-) kblanchard@texasbrine.com Scott Borne – Facility Manager – 985- (985-) sborne@texasbrine.com Joel Miller, PE – Consultant – 337- (337-) joel.miller@cox-internet.com Bruce Martin – Operations/PR – 713- (281-) bmartin@texasbrine.com Mark Cartwright – Technical/Engineering – 713- (281-) mcartwright@unitedbrine.com Scott Whitelaw – Environmental/Safety – 713- (713-) swhitelaw@tum.com
STAGING AREA/	Texas Brine Grand Bayou Facility

<p>FCP Setting up, communications, staffing</p>	<p>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>

TBC Oxy Grand Bayou Sinkhole Management Plan

Phase One- Vegetation/Debris Removal

10-1-2012

(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.

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. On September 26, 2012, the sinkhole experienced an upset. Some additional sloughing of trees, lead to erosion of the mat road. The Vegetation/Debris Removal Plan was halted until site stabilized. The Sinkhole was observed for the remained of the week, and the plan has been adjusted.

The mat road has been constructed in the previous footprint, to the outside and on the eastern side of the sinkhole. The mat road will be vital to the removal of "oiled vegetation". Since the end of the mat road eroded on the slough of September 26, 2012, the long-reach boom Track Hoe (65' Boom) will be staged further back close to well pad # 3. The Track Hoe will be manned at all times and it will be used to sweep vegetation, lift it out of the area, dewater and deposit that vegetation into an awaiting roll-off-box that is truck mounted. The truck mounted roll-of-box will be stationed on the mat road and will be manned constantly. 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.

Roll-off-boxes will be staged on well pad # 3. Each roll-off-box will be stored, and covered at the staging location until disposed of off-site. A roll-off-box truck will be on site that will assist in moving the boxes around the recovery area. Appropriate characterizations and manifests will be generated in preparation for disposal. All material will be disposed of to an off-site location.

This initial effort described above is only focused on removing free floating vegetation from the surface of the sinkhole. There are mature trees that have fallen into the sinkhole. The clean-up effort is not

focused on the removal of these trees, and root masses. Any flotant that has a large percentage of green vegetation will be held to the side. During this initial phase of sinkhole management, our clean-up efforts are limited to working on the edge or perimeter of the sinkhole. Air boats with front mounted rakes, may be used to sweep oiled flotant towards the mat road, to be then picked up by the long-reach excavator, and placed into a roll-off box, only after Texas Brine determines that it's safe to allow sinkhole access. If any personnel or contractors are allowed onto the sinkhole, then air monitoring devises will be used to monitor the levels of VOC's on the site.

As oiled vegetation is removed, the flotant covered sinkhole will give way to open water. Open water conditions will allow for more effective and efficient recovery of any hydrocarbons on the surface. Additionally, observations can be made relative to the surface condition of the sinkhole.

Recovery of the hydrocarbons will be the focus of phase two of the Sinkhole Management Plan. This Phase of the plan is being developed and will include physical removal of surface hydrocarbons.

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).

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 of 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

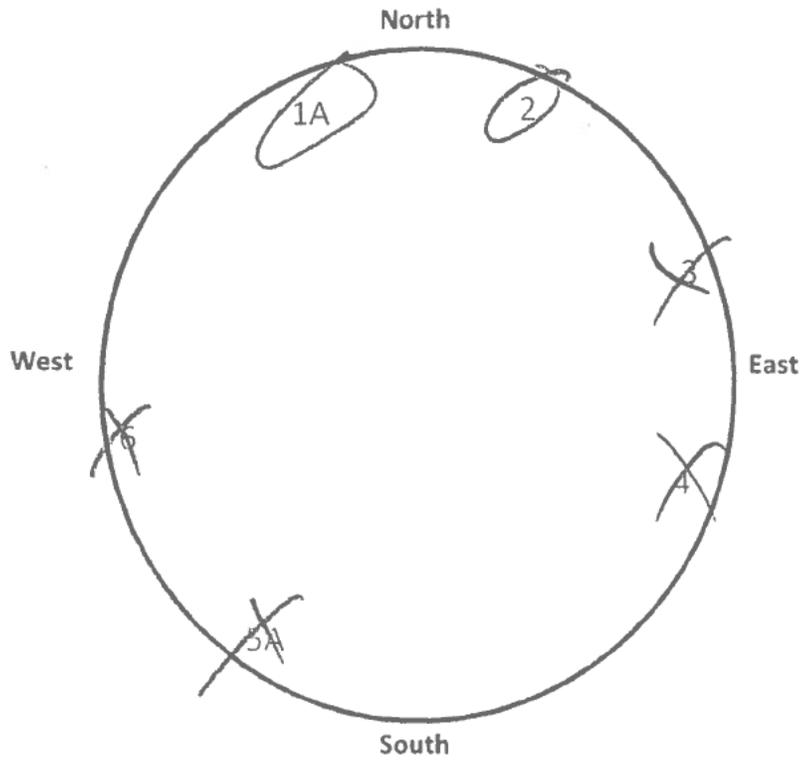
Environmental

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.

Bayou Corne Sinkhole

Date and Time: 9-29-12

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



NOTE: Coordinates for each tree are forth coming.

By: Hubert D. Right

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 1

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

WELL 2

T.B.M. 2

T.B.M. 5

T.B.M. 3B

TBC LEASE LINE

WELL 9

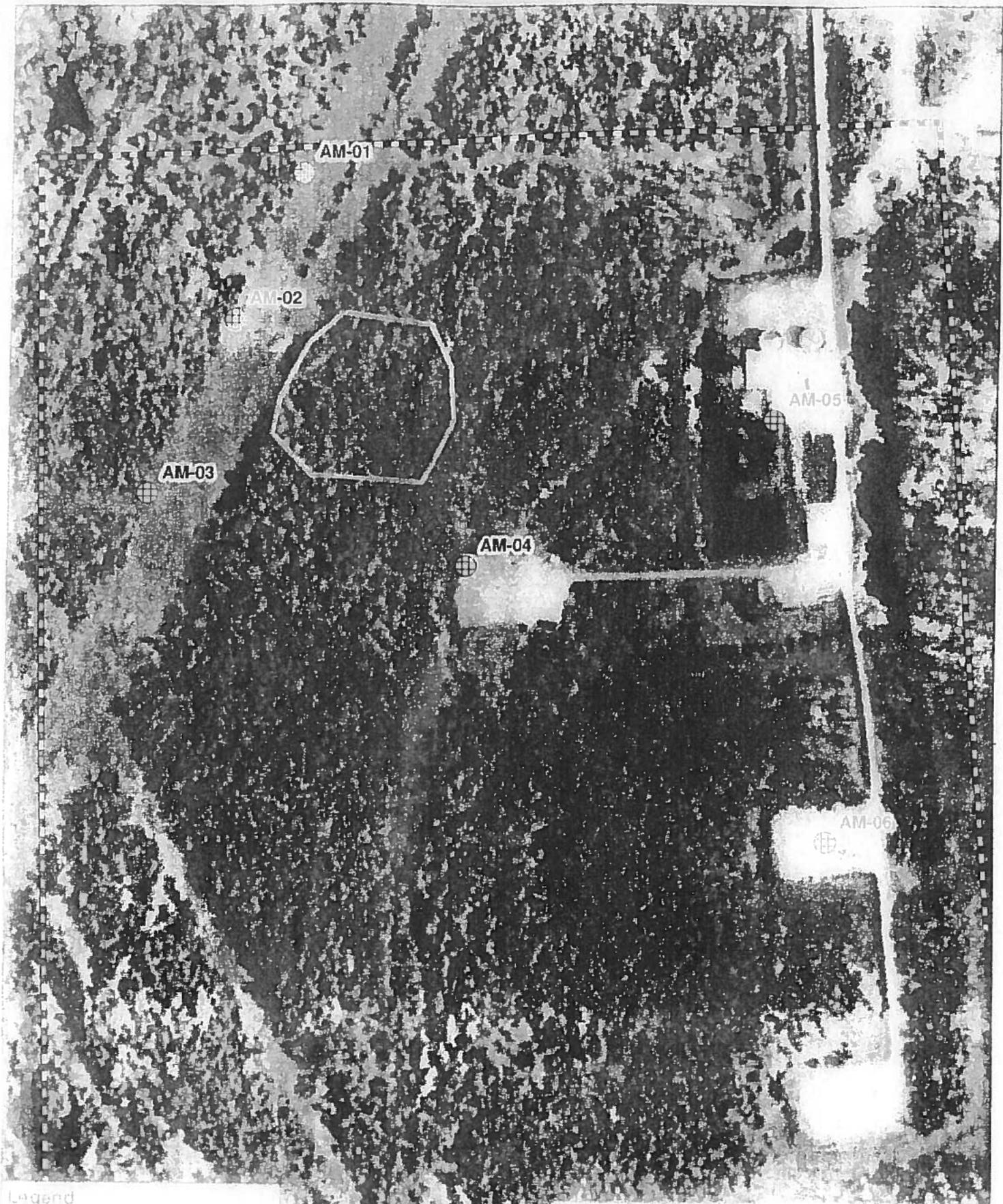
GPS BASE

WELL 10

REFERENCE PT

OXY GPS #4

T.B.M. 4



Legend

- Air Monitoring Location
- Boundary
- Study Area



Texas State Air Monitoring Locations
3/17/2012 - current

Universal Time: Sunday, 30 Sep 2012, 14:24

73°F Belle Rose, Louisiana

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

Local Weather

Like 36k

National News

Local National Global Storms Health Travel Community Forecast Current Radar Satellite wxMap iNav Sign-In Help Hurricanes Alerts

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 9:10 AM on Sunday 30 Sep 2012 (Local Time) from KBTR Reporting Station

Moderate Rain
73°F
 Feels Like: 73°
 Wind Chill: 73°
 Heat Index: 73°
 Dew Point: 73°
 Humidity: 100%
 Pressure: 29.73"
 Ceiling: 3900
 Visibility: 3mi
 Wind: 13mph
 Direction: 170° (S)
 Gusts: 21mph

Report Text: KBTR 301410Z 17011G18KT 3SM RA BR FEW010 BKN039 OVC110 23/23 A2973 RMK AO2 P0011 \$

View Detailed Observations for the last 48 Hours - 14 Days

Today's Forecast

10 AM	T-Storms	78°
11 AM	T-Storms	81°
12 PM	T-Storms	82°

Local Information

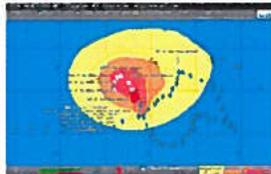
Severe Weather Alert!
 View current alerts »

View Complete Hourly Forecast »

Radar · Satellite · Surface Analysis

Tropical Storm Tracking

Hurricane Nadine
 ATLANTIC TRACK



Maps:

- » Current Track
- » Visible Satellite
- » Infrared Satellite

Bulletins:

- » Advisory
- » Storm Log

Additional Resources:

- » Watches & Warnings
- » Severe Outlook Today
- » Severe Outlook Tomorrow
- » Lightning Strikes
- » Hurricane Season Summaries

New Forecast Map Updates
 Plan your seasonal activities better

Click here to learn more...



10 Day Forecast - °F | °C

View the Detailed Extended Forecast »

sun	mon	tue	wed	thu	fri	sat	sun	mon	tue
sep 30	oct 01	oct 02	oct 03	oct 04	oct 05	oct 06	oct 07	oct 08	oct 09
T-Storms	P Cloudy	P Cloudy	M Sunny	P Cloudy	P Cloudy	M Sunny	M Sunny	M Sunny	P Cloudy
84° 65°	76° 58°	83° 65°	87° 66°	87° 65°	87° 66°	86° 64°	83° 63°	82° 62°	83° 62°

Details for Sunday, September 30

Thunderstorms likely. A few storms may be severe. High 84F. Winds S at 10 to 20 mph.

Evening: Isolated thunderstorms during the evening. Mostly cloudy skies after midnight. A few storms may be severe. Low around 65F. Winds SW at 10 to 15 mph. Chance of rain 30%.

UV Index: 5 (Moderate) | Relative Humidity: 83% | Precipitation: 90% | Snow: 0% | Cloud Coverage: 83%

Sunrise: 6:57 AM
 Sunset: 6:50 PM

Moonrise: 7:02 PM
 Moonset: 7:23 AM



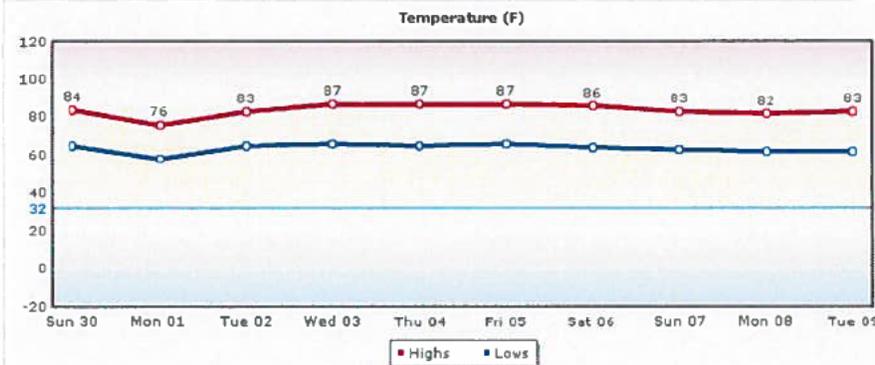
Moonphase: Full



Direction: S (176°)
 Speed: 15Mph(24Km, 13Kts)

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

Articles

- [Local Weather Maps](#)
- [US Weather Maps](#)
- [US Current Weather](#)
- [Global Weather Maps](#)
- [Weather Analysis Charts](#)
- [Active Storm Track](#)
- [Weather Tools](#)

Weather Center



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.



Houston: Mom Makes Botox Doctors Furious

Texas: Mom Publishes Free Facelift Secret That Has Angered Doctors..



E-Cigarette EXPOSED

Houston: Is it safer? Do not try until you read this shocking report!



New Policy in Texas

[August 2012] If you drive in Texas you better read this...

Search the Web:

Search

Powered by Google

[Local](#) | [National](#) | [Global](#) | [Storms](#) | [Health](#) | [Travel](#) | [Community](#)

[About Us](#) | [Weather on your Site](#) | [Advertise with Us](#) | [Contact Us](#) | [Members](#) | [Help](#) | [Site Map](#) | [News](#)

Professional Weather Solutions: [Aviation](#) | [Energy](#) | [Media](#)

Intellicast.com: The Authority in Expert Weather
Your use of this site constitutes your acceptance of the [Terms of Use](#) and [Privacy Policy](#)
2012 WSI Corporation - v4.5.001 | ICAST-WEB1