

INCIDENT ACTION PLAN

Be brief and concise with your entries

Location Bayou Corne Sink Hole	Control Level Company Supervisory	Operational Period From 1/29/13 To 1/30/13
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<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 Partly Cloudy</p>
	<p>PREDICT Partly Cloudy</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>3 Gas Monitors have been set up in the field and are obtaining data on a continuous basis.</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>Respec Mining & Energy: In-place inclinometers and tilt meter monitoring system, weekly report See attached</p> <p>Objective 2- Elevation survey taking place once a week.</p> <p>Objective 3- Sink hole observation. No Slough in / Light bubbling Location #3 appears to have no change. No clean up on the sink hole today</p>
	<p>ALTERNATE</p>

3.0 EXECUTION add safety information as appropriate

<p>GENERAL OUTLINE</p> <p>PROMPTS: Strategies & tactics (current/proposed/alternate)</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>
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<p>REFERENCE: Appreciation, Control Options</p>	<p>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 Mark Cartwright – Technical/Engineering – 713- [REDACTED] (281- [REDACTED])</p>

	<p>mcartwright@unitedbrine.com Scott Whitelaw – Environmental/Safety – 713- [REDACTED] (713- [REDACTED]) 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 &</p>	<p>NA</p>

<p>LIAISON</p> <p>Local knowledge, police, agency reps, emergency mgt reps</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>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: <i>D. Corne</i> FOSC: SOSC: POSC:</p>

January 28, 2013

Mr. Bruce Martin
Vice President of Operations
Texas Brine Company, LLC
4800 San Felipe
Houston, TX 77056

Dear Mr. Martin:

**RE: In-Place Inclinator, Tiltmeter, and Water-Level Monitoring System,
Napoleonville Dome Weekly Report: January 19 Through January 25, 2013**

RESPEC is pleased to submit this weekly report on the in-place inclinometer (IPI), tiltmeter, and water-level monitoring system installed around the sinkhole located near the western flank of the Napoleonville Dome, Assumption Parish, Louisiana. Water-level data in this report and the attached Excel file are submitted in response to Directive #5 contained in the October 11, 2012, Third Amendment to Declaration of Emergency and Directive from the Department of Natural Resources Office of Conservation. IPI and tilt data are also attached as an Excel file that includes all data collected through January 25, 2013. Future weekly reports will contain tilt data from the respective time period covered in each report.

Monitoring locations are shown in Figure 1. Graphs illustrating the tilt data, as recorded by each instrument, are provided in Figures 2 through 4. The IPI data for the X-directions and Y-directions are plotted separately in Figures 2 and 3, respectively. The tiltmeter data for both the X- and Y-directions are plotted in Figure 4. A condition reflecting no changes in ground movement plots as a horizontal line on these graphs. Note that the instruments installed are very sensitive; they can measure ground tilt to less than 1/100 of a degree. Alarm levels are set at ± 1.0 degree for all inclinometers and ± 0.5 degree for all tiltmeters. Water levels measured at IPI-2 and southwest of Pad-3 are shown in Figure 5; an Excel file with this data is attached.

IPIs 3, 4, and 5 recorded accelerated tilt starting on January 13 at approximately 6 a.m. The tilt rates increased again on January 17 at approximately 10 a.m. Tilt continued to occur at IPIs 4 and 5 through the morning of January 19, when tilt rates became relatively flatline. Tilt continues at IPI 3 with a continual reduction in tilt rate.

Relative subsidence between IPI 2 water-level transducer and Pad-3 water-level transducer appears to have halted on January 19. Total subsidence at the southwest corner of Pad-3 relative to IPI-2 was about six-tenths of a foot as indicated by water levels at Pad 3 appearing relatively deeper than those at IPI-2.

Sincerely,

A handwritten signature in black ink, appearing to read 'Eric L. Krantz', written in a cursive style.

Eric L. Krantz, P.E.
Engineer

ELK:llf

cc: Mr. Mark Cartwright, Texas Brine Company, LLC
Mr. Scott Borne, Texas Brine Company, LLC
Project Central File 2153 — Category C

RSI-2153-13-001



Figure 1. Monitoring Locations.

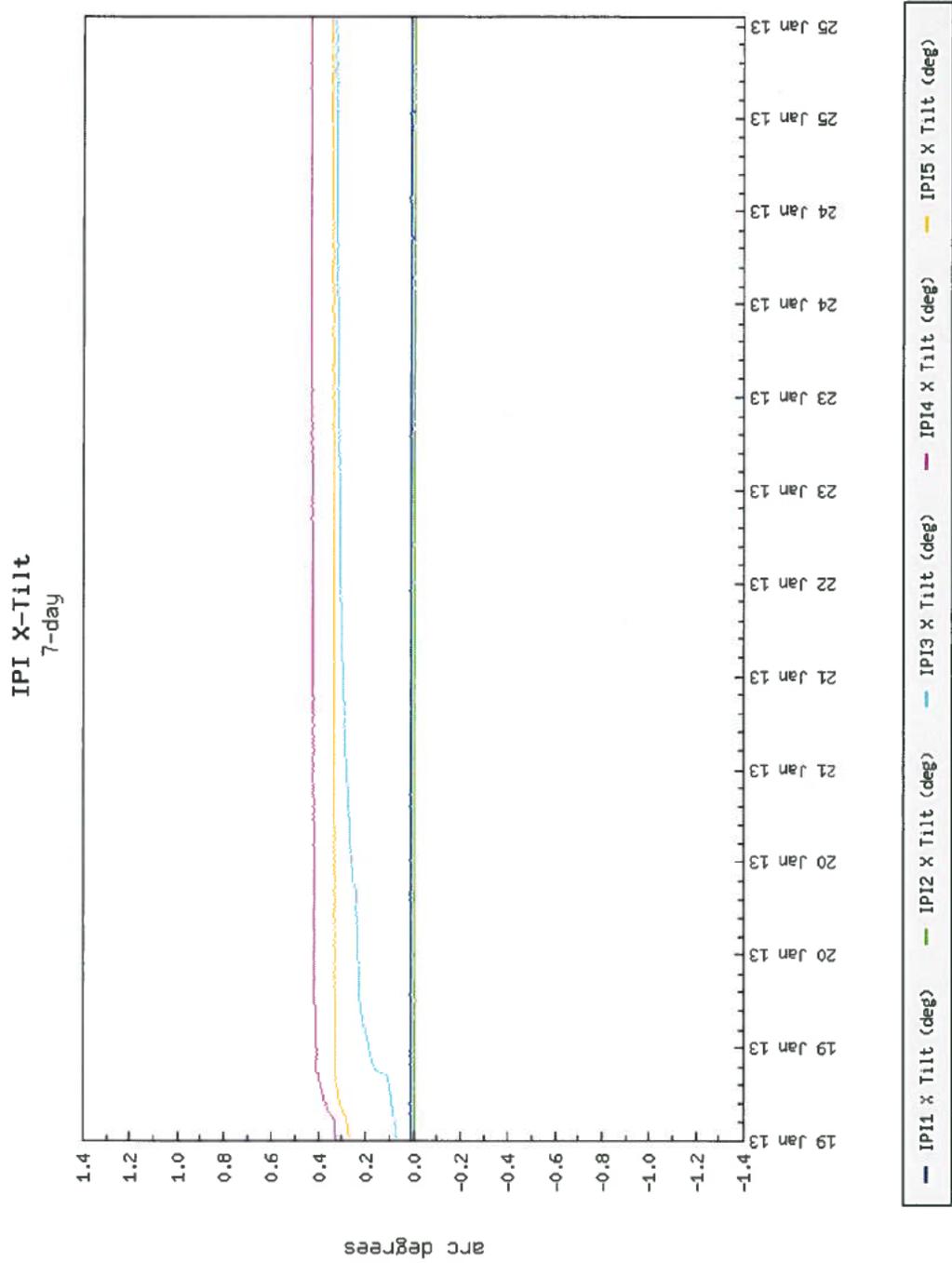


Figure 2. Inclinometer X-Direction Temporal Trends.

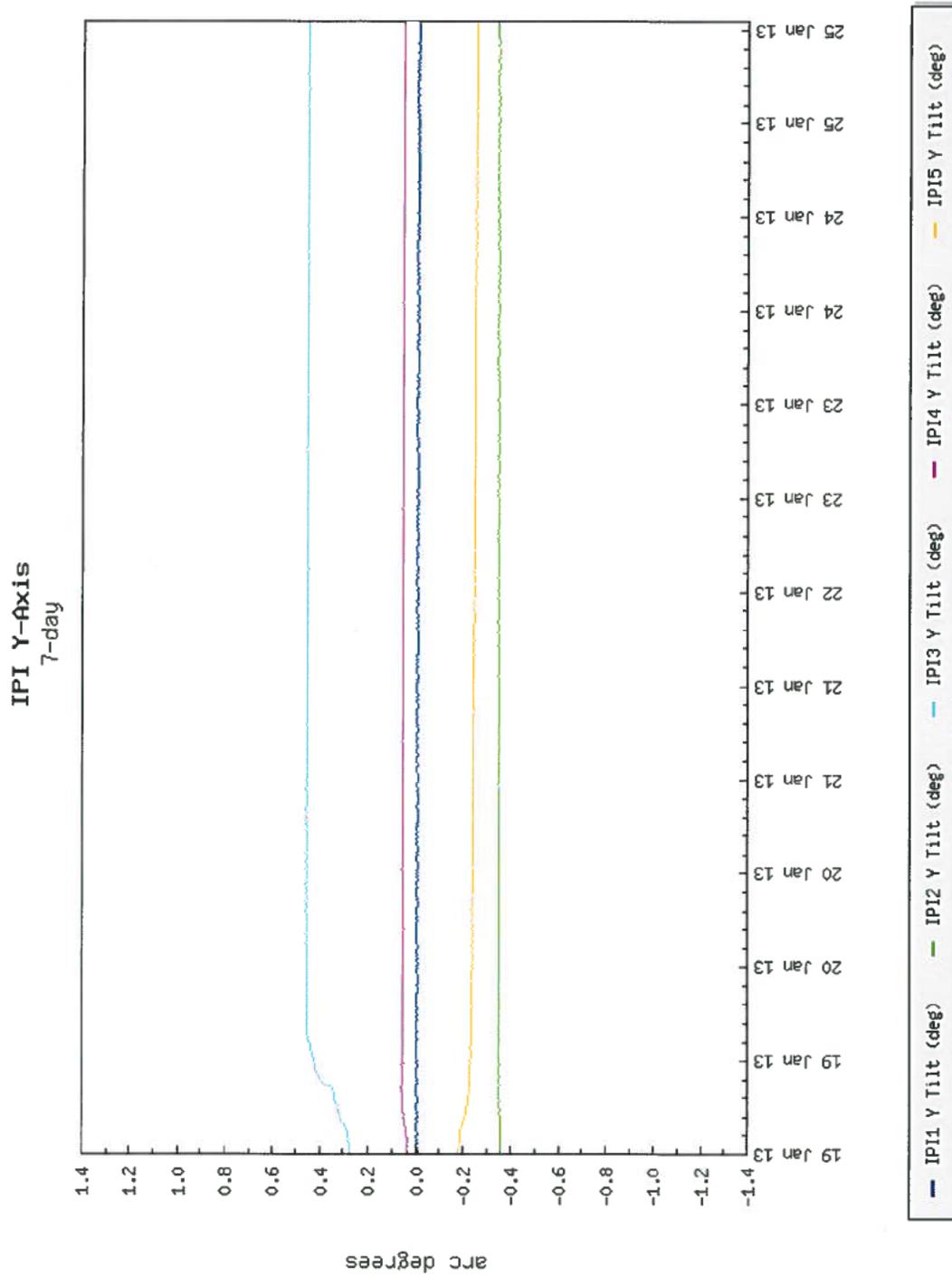


Figure 3. Inclinometer Y-Direction Temporal Trends.

RSI-2153-13-004

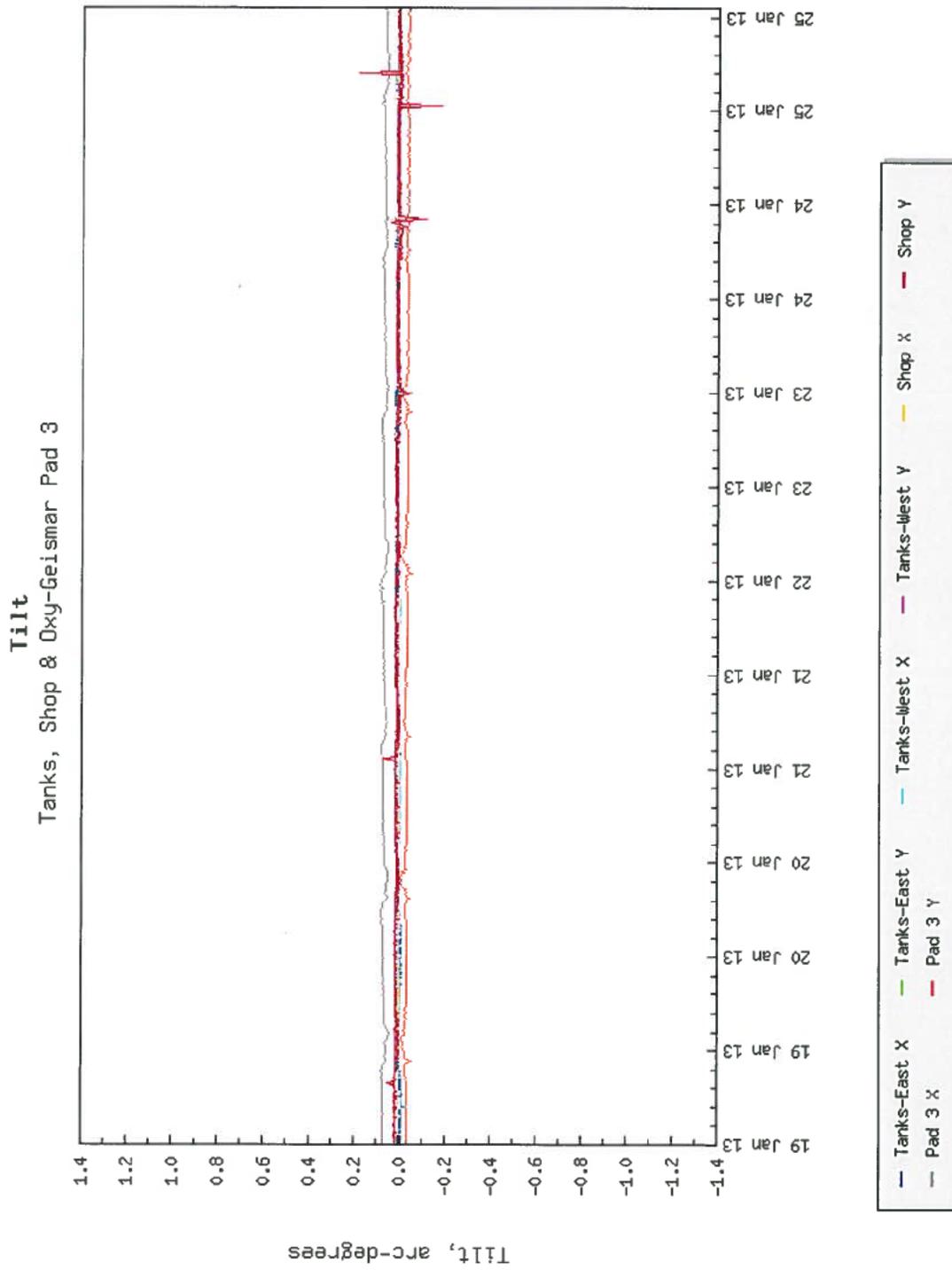


Figure 4. Tiltmeter Temporal Trends.

RSI-2153-13-005

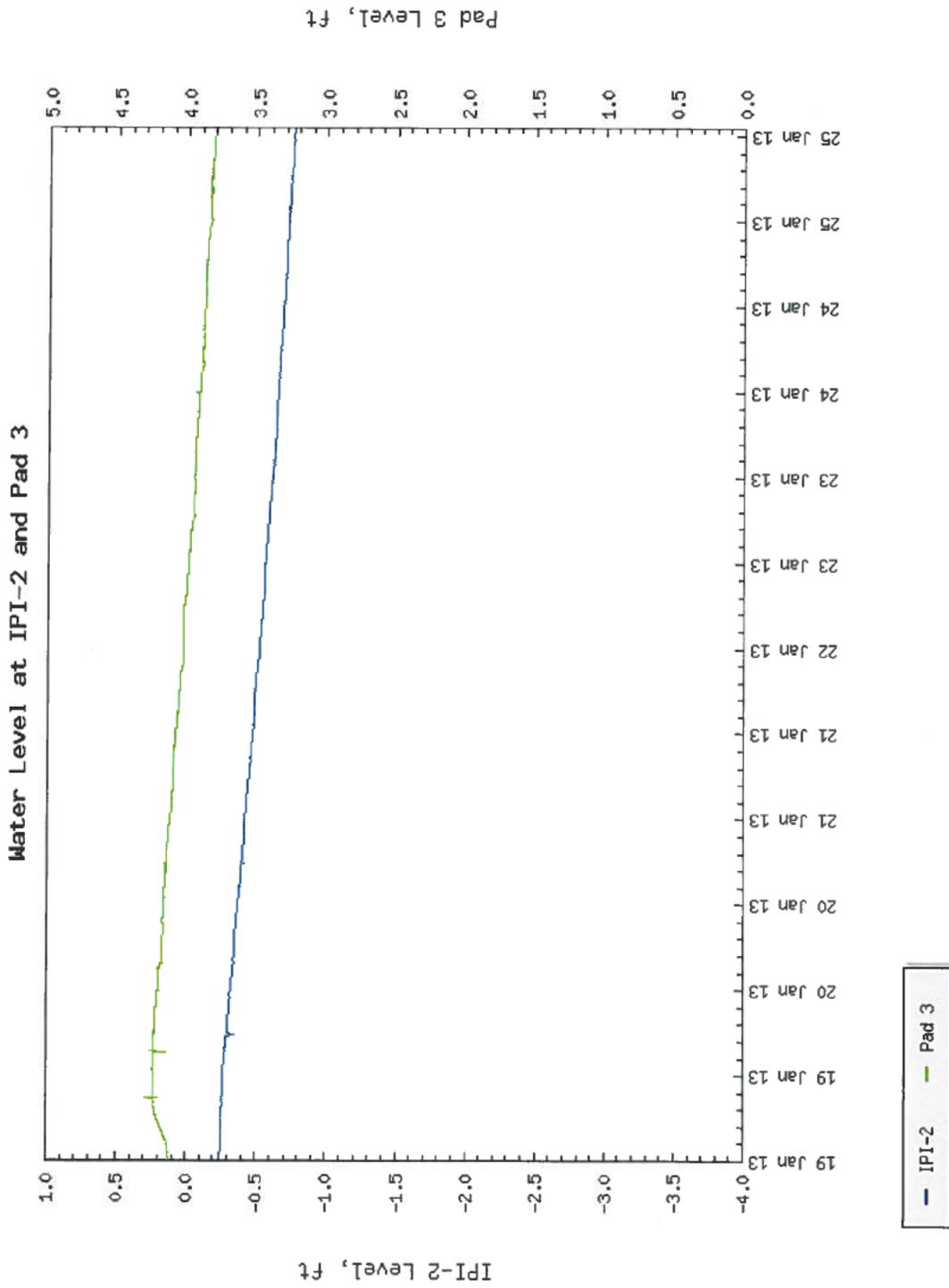


Figure 5. Water-Level Temporal Trends.

73°F Belle Rose, Louisiana

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

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Belle Rose, Louisiana

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Current Conditions - °F | °C

As of 9:53 AM on Tuesday 29 Jan 2013 (Local Time) from KBTR Reporting Station

73°F
Broken Clouds
Feels Like: 73°
Wind Chill: 73°
Heat Index: 73°
Dew Point: 66°
Humidity: 79%
Pressure: 30"

Ceiling: 1700
Visibility: 10mi
Wind: 13mph
Direction: 160° (SSE)
Gusts: 23mph

Report Text: KBTR 291553Z 16011G20KT 10SM BKN017 BKN035 23/19 A3000 RMK AO2 SLP159 T02280189

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Today's Forecast

11 AM	M Cloudy	74°
12 PM	M Cloudy	77°
1 PM	M Cloudy	77°

Local Information

No Weather Alerts for this location

10 Day Forecast - °F | °C

View the Detailed Extended Forecast »

jan 29	jan 30	jan 31	feb 01	feb 02	feb 03	feb 04	feb 05	feb 06	feb 07
M Cloudy	P Cloudy	Sunny	Sunny	P Cloudy	Sunny	Few Showers	Few Showers	M Sunny	M Cloudy
77° 61°	67° 39°	61° 41°	67° 47°	68° 49°	67° 49°	70° 52°	68° 49°	67° 50°	69° 54°

Details for Tuesday, January 29

Some early morning breaks in the overcast, otherwise cloudy. A stray afternoon thunderstorm is possible. High 77F. Winds SSE at 15 to 25 mph.

Evening: Isolated thunderstorms early, then mainly cloudy overnight with thunderstorms likely. Storms could contain damaging winds. Low 61F. Winds S at 15 to 25 mph. Chance of rain 90%.

UV Index: 4 (Moderate)	Relative Humidity: 75%	Precipitation: 90%	Snow: 0%	Cloud Coverage: 72%
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Sunrise: 6:56 AM
Sunset: 5:39 PM

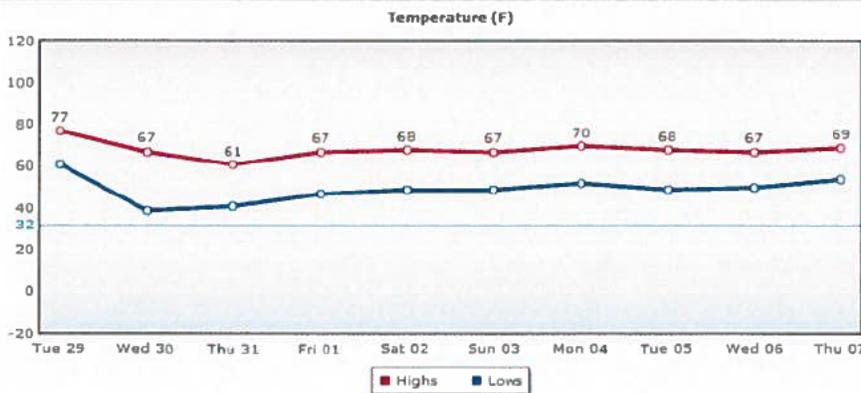
Moonrise: 8:18 PM
Moonset: 8:08 AM

Moonphase: Waning Gibbous

Direction: SSE (165°)
Speed: 1.8Mph(29Kmh, 16Kts)

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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