FEMA Region 6
Weather Threat Briefing

Monday, May 6, 2019

Disclaimer: The purpose of this briefing is to provide a Regional weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to www.weather.gov/srh.
Summary of the Upcoming Week

Today

• Severe thunderstorms possible across NM, OK, and TX. Heavy rainfall/flash flooding possible across portions of TX, OK, and AR.

Tuesday and Wednesday

• Severe thunderstorms are likely across TX, OK, AR, and LA as well as heavy rainfall/isolated flash flooding.

Thursday through Friday

• Heavy rainfall/flash flooding potential continues across TX, OK, AR, and LA.
• Threat for severe thunderstorms shifts eastward over TX, OK, and AR on Thursday.

Major River Flooding or Known Evacuations

• Major flooding continues on the MS River at Baton Rouge, LA, and Osceola (AR) is forecast to reach major flood stage by Thursday.
• The Trinity River at Liberty is forecast to rise to near major flood stage by Tuesday morning.
# FEMA Region 6 Threat Matrix

## May 6, 2019 – May 10, 2019

<table>
<thead>
<tr>
<th>DAY / THREAT</th>
<th>MON</th>
<th>TUE</th>
<th>WED</th>
<th>THU</th>
<th>FRI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Severe Storms</strong></td>
<td>TX, OK</td>
<td>TX</td>
<td>TX, OK, AR</td>
<td>TX, OK, AR, LA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>NM, AR</td>
<td>OK, NM</td>
<td>LA</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Heavy Rain / Flash Flooding</strong></td>
<td>TX</td>
<td>TX, LA, OK</td>
<td>TX, LA, AR, OK</td>
<td>TX, LA, AR</td>
<td>TX, AR, LA</td>
</tr>
<tr>
<td><strong>Winter Weather</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fire Weather</strong></td>
<td>NM</td>
<td>NM</td>
<td>NM</td>
<td>TX</td>
<td></td>
</tr>
<tr>
<td><strong>River Flooding</strong></td>
<td>LA/AR</td>
<td>LA/AR</td>
<td>LA/AR</td>
<td>LA/AR</td>
<td>LA/AR</td>
</tr>
</tbody>
</table>

*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.*

For more details on the colors in the threat matrix refer to the last slide in this briefing.

**Legend:**
- Very Common – Happens Often
- Common – Happens Frequently
- Uncommon – A Few Times a Year
- Rare – Once Every 1-5 Years
- Very Rare – Once Every 5-10 Years
5-Day Precipitation Forecast & River Flood Status

Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall

- Points along the MS River in AR and LA remain at moderate flood stage, with the point near Baton Rouge, LA remaining in major flood stage. Osceola (AR) is forecast to rise to major flood stage by Thursday.
- Impacts are primarily to secondary roads, agriculture, and navigation. The city of Baton Rouge is protected by levees. A few homesteads may be impacted later this week near Osceola.
- Rainfall over the next five days will prolong ongoing flooding and lead to additional moderate flooding across E TX, LA, OK and AR.
- Minor to moderate river flooding is occurring across E TX, AR, OK, and LA. Impacts remain limited to agricultural interests and lowlands.
- Trinity River at Liberty is forecast to rise to near major flood stage by Thursday. Impacts to residences are possible.

http://water.weather.gov/ahps for latest river flooding
Slight risk of severe thunderstorms across the TX/OK Panhandles into N OK. Wind/Hail primary Threat.

Heavy rainfall/flash flooding is possible across S and Central TX.

Isolated (Marginal risk) strong to severe thunderstorms possible over W and STX.
Tomorrow’s Weather

Forecast Chart

Forecast Rainfall

Severe thunderstorms likely across the TX Panhandle into W TX. Damaging winds, large hail and tornadoes are possible.

Slight risk for severe thunderstorms across OK and Central TX.

Heavy rainfall/flash flooding possible across SE TX into W LA and OK.

Heavy rainfall/isolated flash flooding possible across central TX and W AR.
Today’s Fire Weather Outlook

Tomorrow’s Fire Weather Outlook

- Elevated
- Critical
- Extreme
Severe thunderstorms **likely** across OK, AR, N and Central TX. Damaging winds, large hail and tornadoes possible.

Heavy rainfall/flash flooding possible across NE TX, AR, N LA, and SE OK.
Days 4-5 Weather Hazards

Thursday-Friday

- **Heavy rainfall/flash flooding possible Thursday into Friday**

*Severe thunderstorms possible Thursday*

- **Very Rare – Once Every 5-10 Years**
- **Rare – Once Every 1-5 Years**
- **Uncommon – A Few Times a Year**
- **Common – Happens Frequently**
- **Very Common – Happens Often**
- **No Weather Threats Expected**

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## Space Weather 3-Day Forecast

<table>
<thead>
<tr>
<th></th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geomagnetic Storms</td>
<td>Unsettled to Active (Max Kp = 4)</td>
<td>Unsettled to Active (Max Kp = 4)</td>
<td>Quiet to Unsettled (Max Kp = 3)</td>
</tr>
<tr>
<td>Solar Radiation Storm (S1-S5)</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Radio Blackout (R1-R2)</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td>Radio Blackout (R3-R5)</td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
</tbody>
</table>

Click here for a Description of the Space Weather Storm Scales

Click here for the Latest 3-Day Space Weather Forecast Text

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**Geomagnetic Activity Map**

- Normal X-ray Background
- Normal Proton Background
- NOAA/WSPI Boulder, CO USA

**Processed By:**
- SR ROC
- www.weather.gov/srh

5/6/2019 7:57 AM
<table>
<thead>
<tr>
<th>Color</th>
<th>Definition</th>
<th>Criteria</th>
<th>Example(s)</th>
</tr>
</thead>
</table>
| Green   | Very Common                                             | Safety: Rarely a Direct Threat to Life and Property                       | • Thunderstorms expected over LA this afternoon: a few may produce winds to knock down a few trees  
|         | Safety: Rarely a Direct Threat to Life and Property      | Criteria: Typically Results in Little Inconvenience to Daily Routines     | • Something that happens almost every day in a particular season such as seabreeze storms in coastal TX. |
|         | Yellow                                                  | Safety: Rarely a Direct Threat to Life and Property                       | 2-3 inches of rainfall expected over central AR today and tonight: some minor (brief) street flooding possible |
|         | Safety: Rarely a Direct Threat to Life and Property      | Impact Potential: Typically Results in Some Inconvenience to Daily Life   | Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and "1" hail |
|         | Uncommon – A Few Times A Year                          | Safety: Often Threatening to Life and Property, Some Damage Unavoidable   | A snow/dief mix is expected to move through or near the DFW area tomorrow morning: travel impacts likely |
|         | Safety: Often Threatening to Life and Property, Some    | Impact Potential: Typically Results in Minor Disruption to Daily Life     | Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail |
|         | Damage Unavoidable                                      |                                                                          | Some large fires reported, burn bans advertised, critical conditions expected |
|         | Rare – Once every 1-5 Years                             | Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed | A Category 1 hurricane will be moving towards the NW Gulf in the next few days |
|         | Safety: Extensive Property Damage Likely, Life Saving   | Impact Potential: Will likely result in Large Disruption to Daily Life    | Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail |
|         | Actions Also will be Needed                             |                                                                          | Large fires ongoing throughout the area with critical fire weather conditions expected to continue |
|         | Red                                                     | Severe: Moderate Risk from SPC                                           |● A Category 4 hurricane is headed towards the SE LA, major storm surge, flooding and damaging winds anticipated to begin tomorrow |
|         | Safety: Extensive Property Damage Likely, Immediate    | Flooding: Moderate flooding expected over a widespread area (including urban locations) |● Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms |
| Purple  | Action to Save Life will be Needed                     | Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed |   |
|         | Impact Potential: Typically Results in Long-Lived       | Flooding: Major flooding expected over a widespread area (including urban locations) |   |
|         | Widespread Major Disruption to Daily Life              | Tropical: A Major Hurricane (Cat 5 or greater) expected to move towards or near any coastline |   |
|         |                                                          | Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought |   |