FEMA Region 6
Weather Threat Briefing

Friday, May 17, 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 and Tomorrow

• Severe storms w/ very large hail, damaging winds, and a couple tornadoes late this afternoon into tonight from W/NW TX into SW OK.

• Severe storms & heavy rain/flash flooding Saturday for OK, TX, AR, LA. Greatest threat is from Central/NE TX into E OK/W AR.

Sunday through Tuesday

• Severe storms return to OK/TX on Monday and into AR/LA on Tuesday.

Major River Flooding or Known Evacuations

• Major flooding continues on the MS River at Baton Rouge (SE LA), the Upper Sabine River (NE TX), the Ouachita River at Monroe (N LA), and the Trinity River at Liberty (SE TX).
### FEMA Region 6 Threat Matrix

**May 17, 2019 – May 21, 2019**

<table>
<thead>
<tr>
<th>DAY / THREAT</th>
<th>FRI</th>
<th>SAT</th>
<th>SUN</th>
<th>MON</th>
<th>TUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe Storms</td>
<td>W TX</td>
<td>Central/NETX, E OK, W AR</td>
<td>W TX, E AR/LA</td>
<td>OK, TX</td>
<td>OK, TX, AR, LA</td>
</tr>
<tr>
<td></td>
<td>NW TX, SW OK</td>
<td>TX, OK, AR, LA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heavy Rain / Flash Flooding</td>
<td>W TX</td>
<td>NETX, E OK, W AR</td>
<td></td>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>Fire Weather</td>
<td>S NM, Far W TX</td>
<td>S NM, Far W TX</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tropical Weather</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>River Flooding</td>
<td>TX, LA</td>
<td>TX/LA</td>
<td>TX/LA</td>
<td>TX/LA</td>
<td>TX/LA</td>
</tr>
<tr>
<td></td>
<td>AR</td>
<td>AR</td>
<td>AR</td>
<td>AR</td>
<td>AR</td>
</tr>
</tbody>
</table>

*No Weather Threats Expected
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

*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.
Points along the MS River in AR and LA remain at moderate/major flood stage.

- Osceola (NE AR) will remain at moderate flood stage through the middle of next week with many roads under water.
- Arkansas City (SE AR) will remain in moderate flood through next week with lowland flooding and flooded roads.
- At Red River Landing (NE LA), camps and roads will be flooded, and Angola Landing is flooded, closing the ferry.
- At Baton Rouge, (SE LA), major flooding will continue with mostly navigational impacts.
- The Bonnet Carre Floodway is opened to reduce water levels at New Orleans.

Major flooding continues on the Upper Sabine River (NE TX), the Ouachita River at Monroe (N LA), and the Trinity River at Liberty (SE TX). Impacts mostly to roads and agriculture except for the Trinity at Liberty where impacts to some residences are possible.

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

http://water.weather.gov/ahps for latest river flooding
Severe storms w/ very large hail, damaging winds, and a couple of tornadoes late this afternoon into tonight from W/NW TX into SW OK.

Heavy rain/flash flooding possible in W TX.
Red Flag Warnings in effect for Critical Fire Weather Conditions expected late this morning through the evening hours in S NM, Far W TX.
Severe storms & heavy rain/flash flooding Saturday for OK, TX, AR, LA. Greatest threat is from Central/NE TX into E OK/W AR.
Sunday’s Weather

Forecast Chart

Forecast Rainfall

Severe Weather Outlook

Excessive Rainfall Outlook

Isolated strong to severe storms possible over W TX and eastern portions of AR and LA.
Days 4-5 Weather Hazards

Monday-Tuesday

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

Severe storms and flash flooding Monday
Severe storms Tuesday

*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.
Drought Monitor (Released May 16, 2019)

Data valid as of 7am EST, Tuesday, May 14th, 2019

Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

<table>
<thead>
<tr>
<th>State</th>
<th>Current</th>
<th>Last Week</th>
<th>3 Months Ago</th>
<th>1 Year Ago</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arkansas</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Louisiana</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>New Mexico</td>
<td>0.00%</td>
<td>0.00%</td>
<td>14.98%</td>
<td>63.58%</td>
</tr>
<tr>
<td>Oklahoma</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>34.36%</td>
</tr>
<tr>
<td>Texas</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>12.98%</td>
</tr>
</tbody>
</table>
### Space Weather 3-Day Forecast

<table>
<thead>
<tr>
<th></th>
<th>Friday</th>
<th>Saturday</th>
<th>Sunday</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Geomagnetic Storms</strong></td>
<td>Unsettled (Max Kp = 3)</td>
<td>Quiet (Max Kp = 2)</td>
<td>Quiet (Max Kp = 2)</td>
</tr>
<tr>
<td><strong>Solar Radiation Storm (S1-S5)</strong></td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td><strong>Radio Blackout (R1-R2)</strong></td>
<td>1%</td>
<td>1%</td>
<td>1%</td>
</tr>
<tr>
<td><strong>Radio Blackout (R3-R5)</strong></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**

![Space Weather Map](image.png)
For more information, please contact:

**National Weather Service**
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747
E-mail: sr-srh.roc@noaa.gov
Web: [http://www.weather.gov/srh](http://www.weather.gov/srh)
### Weather “Threat” Matrix

<table>
<thead>
<tr>
<th>Color</th>
<th>Definition</th>
<th>Criteria</th>
<th>Example(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Green</strong></td>
<td>Very Common</td>
<td>Safety: Rarely a Direct Threat to Life and Property. Impact Potential: Typically Results in Little Inconvenience to Daily Routines.</td>
<td>Severe: Marginal Risk from SPC flooding. Minor flooding expected over localized areas. Tropical: None. Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active.</td>
</tr>
<tr>
<td><strong>Yellow</strong></td>
<td>Somewhat Common – Happens Frequently</td>
<td>Safety: Rarely a Direct Threat to Life and Property. Impact Potential: Typically Results in Some Inconvenience to Daily Life.</td>
<td>Severe: Slight Risk from SPC flooding. Nuisance flooding expected for a widespread area, or Minor flooding expected over isolated areas. Tropical: A weak tropical wave expected to move towards or near any coastline. Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook.</td>
</tr>
<tr>
<td><strong>Orange</strong></td>
<td>Uncommon – A Few Times a Year</td>
<td>Safety: Often Threatening to Life and Property, Some Damage Unavoidable. Impact Potential: Typically Results in Minor Disruption to Daily Life.</td>
<td>Severe: Enhanced Risk from SPC flooding. Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas. Tropical: A Tropical Storm expected to move towards or near any coastline. Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions.</td>
</tr>
<tr>
<td><strong>Red</strong></td>
<td>Rare – Once every 1-5 Years</td>
<td>Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed. Impact Potential: Will likely result in Large Disruption to Daily Life.</td>
<td>Severe: Moderate Risk from SPC flooding. Moderate flooding expected over a widespread area (including urban locations). Tropical: A Hurricane 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.</td>
</tr>
<tr>
<td><strong>Purple</strong></td>
<td>Very Rare – Once Every 5-10 Years</td>
<td>Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed. Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life.</td>
<td>Severe: High Risk from SPC flooding. Major flooding expected over a widespread area (including urban locations). 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, Long term (months) of severe to extreme drought.</td>
</tr>
</tbody>
</table>

Criteria for the color codes in this briefing is to the left, please provide any feedback to sr-srh.roc@noaa.gov.