Prepared by Jennifer McNatt

FEMA Region 6 Weather Threat Briefing
Sunday, February 10, 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
- Light freezing rain possible this morning over NE OK & N AR.
- Isolated heavy rain/flash flooding possible over N & Central AR.

Monday
- Moderate risk of flash flooding over extreme NE AR.
- Heavy rain / flash flooding possible over much of NE AR.
- A few severe storms possible over S AR, E TX and N LA; strong wind gusts are the main threat, a brief tornado possible.
- Elevated to critical fire weather conditions (strong winds) over E NM, the Panhandles, TX South Plains into the Permian Basin.

Tuesday
- A few strong storms possible over SE LA early; damaging winds are the main threat.

Wednesday - Thursday
- Elevated to critical fire weather conditions possible over E NM & the Panhandles.

River Flooding
- Minor river flooding with minimal impacts continues across E TX into LA & AR.
- The MS River continues to rise in the coming days; the point at Osceola, AR is expected to rise into Moderate flood stage by mid week and crest late in the weekend. Flooded roads in the area are possible.
# FEMA Region 6 Threat Matrix

**Feb 10, 2019 – Feb 14, 2019**

<table>
<thead>
<tr>
<th>DAY / THREAT</th>
<th>SUN</th>
<th>MON</th>
<th>TUE</th>
<th>WED</th>
<th>THU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe Storms</td>
<td>S AR, E TX, N LA</td>
<td>SE LA (Early)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heavy Rain / Flash Flooding</td>
<td>N &amp; Central AR</td>
<td>Extreme NE AR</td>
<td>NE AR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NETX, SE OK</td>
<td>AR, SE OK, NETX</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winter Weather</td>
<td>NE OK, N AR</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire Weather</td>
<td>E NM, Panhandles, W TX</td>
<td>E NM, Panhandles</td>
<td>E NM, Panhandles</td>
<td>E NM, Panhandles</td>
<td>E NM, Panhandles</td>
</tr>
<tr>
<td>River Flooding</td>
<td>ETX, LA, E AR</td>
<td>ETX, LA, E AR</td>
<td>LA, E AR</td>
<td>LA, E AR</td>
<td>LA, E AR</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>MS River – NE AR</td>
<td>MS River – NE AR</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Threat Level Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Weather Threats Expected</td>
<td>Light Gray</td>
</tr>
<tr>
<td>Very Common – Happens Often</td>
<td>Green</td>
</tr>
<tr>
<td>Common – Happens Frequently</td>
<td>Yellow</td>
</tr>
<tr>
<td>Uncommon – A Few Times a Year</td>
<td>Orange</td>
</tr>
<tr>
<td>Rare – Once Every 1-5 Years</td>
<td>Red</td>
</tr>
<tr>
<td>Very Rare – Once Every 5-10 Years</td>
<td>Purple</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.
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

Minor river flooding with minimal impacts continues across ETX, LA & E AR.

The MS River continues to rise in the coming days; the point at Osceola, AR is expected to rise into Moderate flood stage by mid week and crest late in the weekend. Flooded roads in the area are possible.

See [http://water.weather.gov/ahps](http://water.weather.gov/ahps) for the latest on river flooding.
Today's Weather

Forecast Chart

Severe Weather Outlook

Sunday, February 10, 2019

Forecast Rainfall

Excessive Rainfall Outlook

Light freezing rain possible this morning over NE OK & N AR.

Isolated heavy rain/flash flooding possible over N & Central AR.

Isolated heavy rain possible throughout the rest of AR, SE OK & NE TX.
**Watches, Warnings, and Advisories**

### Fire Weather
- Fire Weather Watches are in effect over portions of NM and the TX South Plains on Monday.

### Severe Weather & Flooding
- Winter weather advisories in effect this morning over NE OK & N AR.
- Flood Watches are in effect for NE through N-Central AR this evening through Monday evening.

### Strong & Gusty Winds
- High Wind Watches are in effect over portions of NM and the TX South Plains on Monday.

### Winter Weather
- Winter Weather Advisories in effect over the W Panhandles, TX South Plains into SE NM on Monday.
Tomorrow’s Weather

Forecast Chart

Forecast Rainfall

Moderate risk of flash flooding over extreme NE AR.

Heavy rain / flash flooding possible over much of NE AR.

Isolated heavy rain possible over the rest of AR, SE OK and NE TX.

A few severe storms possible over S AR, E TX and N LA; strong wind gusts are the main threat, an brief tornado possible.
Tomorrow’s Fire Weather Outlook

Elevated to critical fire weather conditions (especially strong winds) expected for E NM into the Panhandles, TX South Plains and into the Permian Basin.
A few strong storms possible over SE LA early Tuesday; damaging winds are the main threat.
Days 4-5 Weather Hazards

Wednesday - Thursday

Elevated to critical fire weather conditions possible

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.
Space Weather 3-Day Forecast

<table>
<thead>
<tr>
<th></th>
<th>Sunday</th>
<th>Monday</th>
<th>Tuesday</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Geomagnetic Storms</strong></td>
<td>Quiet (Max Kp = 2)</td>
<td>Quiet (Max Kp = 2)</td>
<td>Quiet to Unsettled (Max Kp = 3)</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
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
<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 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>
<td>Thunderstorms expected over LA this afternoon, a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as seac breeze storms in coastal TX</td>
</tr>
<tr>
<td><strong>Yellow</strong></td>
<td>Somewhat Common – Happens Frequently 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 flooded 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 outlooks enhanced for critical fire outlook</td>
<td>2-3 inches of rainfall expected over central AR today and tonight, some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and a &quot;1&quot; hail</td>
</tr>
<tr>
<td><strong>Orange</strong></td>
<td>Uncommon – A Few Times a Year 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>
<td>A snow/detect mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected</td>
</tr>
<tr>
<td><strong>Red</strong></td>
<td>Rare – Once every 1-5 Years 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>
<td>A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue</td>
</tr>
<tr>
<td><strong>Purple</strong></td>
<td>Very Rare – Once Every 5-10 Years 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 area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought</td>
<td>A Category 4 hurricane is headed towards the SE LA, major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</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.