

**U.S. National Weather Service
WFO Shreveport, LA
Hazard Product Catalog**

Updated: 17 February 2022



SEVERE WEATHER PRODUCTS

<u>Product Name (PIL)</u>	<u>Description / Use</u>	<u>Key Thresholds / Details</u>
Special Weather Statement (SPS)	Calls attention to a strong storm which is below severe criteria, or other impactful non-convective feature	
Severe Weather Statement (SVS)	Updates (continues or cancels) existing SVR/TOR	
Severe Thunderstorm Warning (SVR)	A thunderstorm is currently exhibiting any or all of the following severe characteristics (see right):	*Winds of at least 58 mph (50 knots) *Hail of at least 1 inch in diameter, or *Storm is producing a tornado
Tornado Warning (TOR)	A tornado is occurring now, identified by radar signatures and/or sighted by spotters	
Tornado Emergency (TOR)	(***RARE) Identifies a strong tornado is threatening life and property with catastrophic damage possible	*Requires confirmation of tornado via visuals, debris signature; usually impacting densely populated areas
Tornado Watch	Conditions are favorable for the development of storms capable of producing tornadoes within the next several hours	***Not issued locally. Generated by the Storm Prediction Center in Norman, OK in coordination with local NWS offices
Severe Thunderstorm Watch	Conditions are favorable for the development of severe thunderstorms within the next several hours	

FLOODING PRODUCTS

<u>Product Name (PIL)</u>	<u>Description / Use</u>	<u>Key Thresholds / Details</u>
Flood Watch (FFA)	Flash flood or serious river flood conditions are possible for a given area or waterway within 48 hours	A "Flash Flood" is defined as flooding which poses a significant threat to life and property; 6+ inches moving water or 12+ inches standing water over maintained roadways
Flash Flood Warning (FFW)	A flash flood is occurring or expected within the next 6 hours	
Flood Warning (FLW)	River or stream flooding is presently occurring or expected to occur shortly	
Flash Flood Emergency (FFW)	(***RARE) Flash flooding posing a severe threat to life and causing catastrophic damage is imminent or ongoing	
Flood Advisory / Statement (FLS)	Contains supplemental information on Flood Watches and Warnings	
Flash Flood Statement (FLS)	Contains supplemental information on active Flash Flood Warnings (extend, update, cancel, etc.)	
Flash Flood Watch (FFA)	Alerts of flash flooding possibility due to non-convective causes (dam or levee failure, excessive rainfall on burn scars leading to debris flows, or in debris flow and landslide-prone areas)	

WINTER WEATHER PRODUCTS

<u>Product Name (PIL)</u>	<u>Description / Use</u>	<u>Key Thresholds / Details</u>
Winter Weather Advisory (WSW)	Indicates an impactful winter event of significance to the public, but not constituting a warning	*Snow < 2 inches, *Sleet < 0.5 inches, *Freezing Rain < 0.25 inches
Winter Storm Watch (WSW)	Issued if there exists a 50% or greater likelihood of winter storm conditions within the next 12-48 hours	*Heavy snow/sleet, ice storm, or blizzard conditions
Winter Storm Warning (WSW)	Winter storm conditions are expected within the next 24 hours	*Snow accumulations of 2+ inches, *Sleet accumulations of 0.5+ inches, *Freezing Rain accumulations of 0.25+ inches
Ice Storm Warning (WSW)	Ice storm conditions are expected within the next 24-36 hours	*Ice/Freezing Rain accumulations of 0.25+ inches, *Sleet accumulations of 0.5+ inches
Wind Chill Advisory (WSW)	Wind chills ranging from +9 to -14 deg Fahrenheit	*with sustained winds of 10+ mph for 2+ hours
Wind Chill Warning (WSW)	Wind Chills of -15 deg Fahrenheit or lower	*with sustained winds of 10+ mph for any amount of time

TROPICAL WEATHER PRODUCTS

Product Name (PIL)	Description / Use	Key Thresholds / Details
Hurricane Watch (TCV)	Hurricane force winds are expected in the forecast area within 12 to 48 hours	*Sustained winds of or greater than 74 mph
Tropical Storm Watch (TCV)	Tropical Storm force winds are expected in the forecast area within 12 to 48 hours	*Sustained winds of 39 to 73 mph
Hurricane Warning (TCV)	Hurricane conditions are expected within 36 hours	*Sustained winds of or greater than 74 mph
Tropical Storm Warning (TCV)	Tropical Storm conditions are expected within 36 hours	*Sustained winds of 39 to 73 mph
Extreme Wind Warning (EWW)	Destructive winds are ongoing or imminent over the next 1-2 hours	*Sustained winds exceeding 115 mph
Hurricane Local Statement (HLS)	Provides incremental updates on storm's progress	*Issued every 3-6 hours while Warning in effect / every 6 hours while Watch in effect

FIRE WEATHER / NON-PRECIPITATION PRODUCTS

Product Name (PIL)	Description / Use	Key Thresholds / Details
Fire Weather Watch (RFW)	Alert land management agencies of potential for Red Flag event within 12 to 72 hours	
Red Flag Warning (RFW)	Alert to impending or occurring Red Flag conditions within a 24 hour period	*Sustained 20 ft winds of 25+ mph (ASOS) or 20+ mph (RAWS) **AND** RH < 25%
Fire Warning (FRW)	Warning of a spreading structural fire or wildfire that threatens a populated area	*Must be requested by state/local authorities
Fire Danger Statement (RFD)	Alerts of conditions which may result in an increase in fire danger, but insufficient for Red Flag Warning	*Winds 15+ mph, RH 30% or lower, and dry antecedent conditions
Wind Advisory (NPW)	Periods of winds high enough to result in damage	*20-40 mph sustained for at least an hour; 40-57 mph gusts
High Wind Watch (NPW)	High winds associated with non-tropical low or in the wake of a strong cold front within 12-48 hours	*Sustained winds of 40+ mph for more than an hour or 58+ mph for any length of time
High Wind Warning (NPW)	Non-convective high wind events possible within the warning area	*same as High Wind Watch (see above)
Excessive Heat Warning (NPW)	Alert of the threat posed by very hot conditions	*Heat Index values of 110+ F for 2 consecutive days with nighttime lows of 75+ F
Heat Advisory (NPW)	Alert of the threat posed by hot conditions	*Heat Index values of 105+ F for 2 consecutive days with nighttime lows of 75+ F
Freeze Warning (NPW)	Generally issued for the first, possibly second freezing event of the season	*Temperature drops below 32 F; duration variable, depending on time of year / affected regions
Hard Freeze Warning (NPW)	Issued when the minimum temperature meets the following criteria (see right):	*mid teens or lower (AR, OK, and NE TX (Red River, Bowie, Franklin, Titus, Morris, Camp, and Cass counties) *19 or lower (LA parishes and remainder of TX counties)
Blowing Dust Advisory (NPW)	Widespread or localized blowing dust	*Visibility reduced to 1 mile or less; usually requires winds of 25+ mph
Dense Fog Advisory (NPW)	Non-isolated areas of fog posing a definite hazard to the public	*Visibility reduced to ¼ mile or less for periods of time lasting more than an hour
Freezing Fog Advisory (NPW)	Fog developing at temperatures near or below freezing may result in ice glazing on higher bridges and overpasses	
Dense Smoke Advisory (NPW)	Widespread or localized smoke resulting from large forest fires or wildfires	*Visibility reduced to ¼ mile or less

Not meant to be an exhaustive list. While this document features our most frequently issued and/or most impactful hazard products, other hazard products may be issued by our office as circumstances require.