DALLY DART WSP USA INSPECTION SERVICES DISASTER AWARENESS REPORT

July 24, 2024

Tropical Update

- An outbreak of Saharan dust has kept tropical activity in the Atlantic Basin at bay since Hurricane Beryl lashed Texas more than two weeks ago, but the current lull might not last much longer due to an expected change in weather patterns across the tropics beginning in early August.
- According to NOAA, the air surrounding a Saharan Air Layer (SAL) has about 50% less moisture than the typical at-



mosphere, which means the presence of the SAL can be detrimental to cloud formation and thunderstorm activity, which are building blocks for tropical cyclones.

- Computer models run by NOAA's Climate Prediction Center are suggesting a recurring climate cycle called the Madden-Julian Oscillation (MJO) will create more favorable atmospheric conditions for tropical storm and hurricane development in the Atlantic during the first half of August. The MJO is an eastward-traveling pulse of waves of enhanced moisture and dry air that impact areas along the equator and the subtropics.
- During the summer and fall, the MJO can lead to an increase in hurricane activity in regions considered to be in enhanced precipitation zones (rising air) and a decrease in tropical cyclone activity in suppressed regions (sinking air).
- Computer forecast models indicate this enhanced precipitation zone with rising air, associated with the MJO, will move over the tropical Atlantic Ocean in early August.
- While there are no guarantees, this pattern would at least make conditions more conducive for tropical development than they have been in recent weeks.

Declaration Activity

DR-4803 Missouri

- President Joseph R. Biden, Jr. declared that a major disaster exists in the State of Missouri and ordered Federal aid to supplement State and local recovery efforts in the areas affected by severe storms, straight-line winds, tornadoes, and flooding from May 19 to May 27, 2024.
- The President's action makes Federal funding available to affected individuals in the counties of Barry, Butler, Carter, Howell, New Madrid, Ripley, Scott, Shannon, Stoddard, and Texas.
- On May 26, multiple rounds of severe storms, flooding, and tornadoes swept across the state, particularly southeast Missouri, leaving thousands without power and causing widespread damage to homes, businesses, and

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infrastructure. Of 543 homes assessed in these counties, 171 sustained major damage, and 20 were destroyed.

DR-4804 Kentucky

 President Joseph R. Biden, Jr. declared that a major disaster exists in the Commonwealth of Kentucky and ordered Federal assistance to supplement Commonwealth and local recovery efforts in the areas affected by severe storms, straight-line winds, tornadoes, landslides, and mudslides from May 21 to May 27, 2024.



- The President's action makes Federal funding available to affected individuals in the counties of Butler, Caldwell, Calloway, Christian, Clay, Greenup, Hopkins, Knox, Logan, Muhlenberg, Simpson, Todd, Trigg, Warren, and Whitley.
- Sixteen tornadoes swept through Kentucky, in addition to damaging winds and severe thunderstorms that hit the Commonwealth in May. The storms inflicted widespread power outages affecting over 213,000 households and lasting several weeks in some areas.
- Nearly half of Kentucky's 120 counties suffered severe damage to public and private property
- Tragically, several Kentuckians perished, along with many others sustaining injuries. Further, multiple hospitals and long-term care facilities were left without power for days, and two counties experienced hazardous chemical spills.

Declaration Request Update

Michigan

- A request from Michigan Governor Gretchen Whitmer to declare a major disaster for the May 7 tornadoes that hit Branch, Cass, Kalamazoo, and St. Joseph counties has been denied by Federal Emergency Management Agency.
- FEMA said in a letter that the damage from the storm "was not of such severity and magnitude as to be beyond the capabilities of the state, affected local governments, and voluntary agencies."
- State Senator Sean McCann has asked Whitmer to appeal, which she can do within 30 days.
- One tornado that hit Kalamazoo County was an EF-2 which had top winds of 135-miles-an-hour. It destroyed at least 60 buildings and did major damage to 129 others.
- Branch County Emergency Management Director Tim Miner said the EF-2 and EF-1 tornados that touched down in Sherwood Township caused significant damage along a six-mile path in Branch County. The EF-2 tornado covered 19 miles across 2 counties. The maximum winds were estimated at 130 mph with a path 950 yards wide. One person was injured.
- Miner adds nine homes were destroyed with another four homes sustaining major damage. There were 24 homes that received minor damage while 19 homes experienced superficial damage.

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Joint Preliminary Damage Assessments				
State	Event	Number of Counties for IA		Start-End
		Requested	Completed	Start-Enu
VT	Severe Storms & Flooding Jul 10-11	2	0	TBD
SD	Flooding Jun 16-Jul 8	14	0	7/16-TBD

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Pending Individual Assistance Declaration Request					
Event	Date Submitted	Approved/Denied/ Pending	Number of Counties/Tribes		
Severe Storms and Tornadoes May 7	June 6	DENIED	4 Counties		
Tropical Storm Beryl Jul 8-9	July 11	Pending	3 Parishes		
Severe Storms, Straight-Line Winds, Tornadoes, Landslides/ Mudslides May 21-27	June 14	APPROVED	15 Counties		
Severe Storms, Straight-Line Winds, Tornadoes and Flooding May 19-27	June 12	APPROVED	10 Counties		
Severe Storms and Flooding June 16 and continuing	June 27	Pending	42 Counties		
	Event Severe Storms and Tornadoes May 7 Tropical Storm Beryl Jul 8-9 Severe Storms, Straight-Line Winds, Tornadoes, Landslides/ Mudslides May 21-27 Severe Storms, Straight-Line Winds, Tornadoes and Flooding May 19-27 Severe Storms and Flooding June 16 and continuing	EventDate SubmittedSevere Storms and Tornadoes May 7June 6Tropical Storm Beryl Jul 8-9July 11Severe Storms, Straight-Line Winds, Tornadoes, Landslides/ Mudslides May 21-27June 14Severe Storms, Straight-Line Winds, Tornadoes and Flooding May 19-27June 12Severe Storms and FloodingJune 12	EventDate SubmittedApproved/Denied/ PendingSevere Storms and Tornadoes May 7June 6DENIEDTropical Storm Beryl Jul 8-9July 11PendingSevere Storms, Straight-Line Winds, Tornadoes, Landslides/ Mudslides May 21-27June 14APPROVEDSevere Storms, Straight-Line Winds, Tornadoes and Flooding May 19-27June 12APPROVEDSevere Storms and Flooding June 16 and continuingJune 27Pending		

*Award of task order to contractor pending

WSP USA Inspection Services Active Disasters					
Disaster Number and State	Disaster Type	Number of Counties Declared	Days Since Launch	Registration Deadline	
4757 MI	Flooding	9 Counties	162	5/8/2024	
4781 TX	Severe Storms & Flooding	40 Counties	65	8/15/2024	
4783 WV	Severe Storms, Straight-Line Winds, Tornadoes, Flooding, Landslides/ Mudslides	8 Counties	60	7/22/2024	
4788 AR	Severe Storms, Straight-Line Winds, Tornadoes and Flooding	8 Counties	53	8/28/2024	

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WSP USA Inspection Services Active Disasters					
Disaster Number and State	Disaster Type	Number of Counties Declared	Days Since Launch	Registration Deadline	
4790 MS	Severe Storms, Straight-Line Winds, Tornadoes, and Flooding	6 Counties	42	8/09/2024	
4798 TX	Hurricane Beryl	15 Counties	10	9/10/2024	

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WSP USA INSPECTION SERVICES DISASTER AWARENESS REPORT

WSP USA INSPECTION SERVICES ACTIVITY

