Severe Thunderstorms & Flash Flooding Possible This Afternoon & Evening

Decision Support Briefing #3
As of: 6 AM Tuesday, August 13, 2019

What Has Changed?
✓ Flash Flood Watch adjusted.
✓ Severe thunderstorm risk shifted significantly southward.
✓ Lowered confidence.

Understanding Severe Thunderstorm Risk Categories

- **THUNDERSTORMS**
  - No severe thunderstorms expected
  - Lightning/flooding threats exist with all thunderstorms

- **1 - MARGINAL (MRGL)**
  - Isolated severe thunderstorms possible
  - Limited in duration, and/or coverage, and/or intensity

- **2 - SLIGHT (SLGT)**
  - Scattered severe storms possible
  - Short-lived and/or not widespread, isolated intense storms possible

- **3 - ENHANCED (ENH)**
  - Numerous severe storms possible
  - More persistent, and/or widespread, isolated intense storms possible

- **4 - MODERATE (MOD)**
  - Widespread severe storms likely
  - Long-lived, widespread and intense

- **5 - HIGH (HIGH)**
  - Widespread severe storms expected
  - Long-lived, very widespread and particularly intense

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### Main Points

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Impacts</th>
<th>Location</th>
<th>Timing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Flooding</td>
<td>Heavy rain leading to flash flooding is possible, especially in urban areas. Flooding of small creeks and streams is also possible in the areas of heaviest rainfall.</td>
<td>Greatest threat area is the I-95 corridor.</td>
<td>This afternoon and evening.</td>
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<td>Severe Storms</td>
<td>The primary hazard is damaging wind gusts, which could result in tree damage and power outages. Hail and an isolated tornado cannot be ruled out.</td>
<td>Southeastern PA, central and southern NJ, DE and MD; Greatest threat area is across MD, DE into far southern NJ.</td>
<td>This afternoon and evening.</td>
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</tbody>
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Summary of Greatest Impacts

Flash flooding: Mostly I-95 corridor
- None
- Limited
- Elevated
- Significant
- Extreme

Severe Storms: Mostly Maryland and Delaware
- None
- Limited
- Elevated
- Significant
- Extreme
Flash Flood Potential

- Showers and thunderstorms may produce torrential downpours at times.
- Flash flooding is possible, especially with any slow-moving and/or training thunderstorms.
- Locations most susceptible are urban and low-lying areas.
- The heaviest rainfall amounts may even occur south of the watch area.
Some thunderstorms this afternoon and evening could be severe with damaging winds the main hazard, especially across Maryland, Delaware into far southern New Jersey. Hail and an isolated tornado cannot be ruled out.

The severity of the thunderstorms however will depend on the extent of cloud cover today and also coverage of morning to midday showers.

Areas of 1-2 inches of rainfall are expected, with localized amounts up to 3 inches possible. These amounts occurring in a short period of time would lead to instances of flash flooding. Urban and low-lying areas would be particularly susceptible. The area of most concern is the I-95 corridor, however this may shift southward some.

While there is uncertainty due to the positioning of a warm front and weak low pressure tracking across our area late today and tonight, trends indicate a southward shift of the flash flood and severe thunderstorm threats.

The occurrence of these hazards is between about 3 PM and 11 PM.
Contact and Next Briefing Information

Next Briefing
This will be the last briefing unless significant changes occur.

Briefing Webpage:
www.weather.gov/media/phi/current_briefing.pdf

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