Heavy Rainfall and Severe Weather Possible Thursday into Friday Morning

Decision Support Briefing #3
As of: 6 PM Wednesday, September 22, 2021

What Has Changed?

- SLIGHT risk for excessive rainfall expanded to entire area

- Start time of the Flash Flood Watch adjusted slightly earlier; also, New Castle County Delaware added to Watch

- Minor adjustments to forecast rainfall: upward for parts of northeastern PA into northern NJ, downward for parts of southern NJ

- Coastal Flood Advisory issued for the eastern shore of Maryland through Thursday morning
## 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>Flooding of creeks, streams, urban areas, and poor drainage areas possible. At least localized flash flooding will be possible.</td>
<td>The entire area, but the greatest threat is across eastern PA and northern NJ, especially in the southern Poconos where flooding could be significant</td>
<td>Midday Thursday through Friday morning.</td>
</tr>
<tr>
<td>Severe Threat</td>
<td>Strong to severe storms may develop. Storms will be capable of producing damaging wind gusts and isolated tornadoes, potentially bringing down trees and power lines.</td>
<td>The entire area.</td>
<td>Midday Thursday through Thursday night.</td>
</tr>
</tbody>
</table>
Summary of Greatest Impacts

Flash Flooding: Near/NW of I-95 Corridor
- None
- Limited
- Elevated
- Significant
- Extreme

Flash Flooding: SE of I-95 Corridor
- None
- Limited
- Elevated
- Significant
- Extreme

Strong to Severe T-storms: Entire Region
- None
- Limited
- Elevated
- Significant
- Extreme
Flash Flooding Outlook

**Timing:** Midday Thursday through Friday morning

**Hazards:** Flash flooding of urban and poor-drainage areas as well as small creeks and streams.
Convective Weather Outlook

**Timing**: Midday through Thursday night

**Hazards**: Isolated damaging wind gusts and isolated tornadoes possible, with localized tree and power line damage.
Rainfall Amounts

Storm Total Rainfall
Thursday through Friday morning. Flash Flood Watch in effect.

[Map showing rainfall amounts in different regions of Pennsylvania and New Jersey, with color-coded areas indicating the amount of rainfall expected.]
Event Summary

- Showers and thunderstorms associated with a cold front will move through the region west to east beginning around midday Thursday continuing through Thursday night. Some of the storms could be strong to severe, with the following threats:
  - Flash flooding is possible, mainly along and north/west of the I-95 corridor. A widespread 1 to 3 inches of rain is expected, with locally higher amounts possible. Much of this rainfall may occur in a short period of time, leading to the threat of flash flooding. A Flash Flood Watch remains in effect for eastern PA and northern NJ, and is now also in effect for New Castle County in Delaware.
  - Damaging straight-line winds and isolated tornadoes are possible, with the main threat occurring from midday Thursday into the early overnight hours Thursday night.
  - Strong southerly flow in advance of the system is expected to lead to minor tidal flooding for the high tides Wednesday evening and Thursday morning on the eastern shore of Chesapeake Bay and associated tidal tributaries. A coastal flood advisory has been issued for these areas.
Contact and Next Briefing Information

Next Briefing
When: 9 AM Thursday

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

Web:
www.weather.gov/phi

Phone (public):
(609) 261-6600

Facebook:
NWSMountHolly

Twitter:
@NWS_MountHolly

Disclaimer: The information contained within this briefing is time-sensitive; do not use after the next briefing package issuance