Iowa Army Ammunition Plant Detonation 11/23

November 20, 2026
12:16 PM

Key Messages

- On November 23 (time not yet known), the United States Army will detonate degraded lead azide at the Army Ammunition Plant in Middletown, Iowa.
- The Interagency Modeling and Atmospheric Assessment Center (IMAAC) are the experts in hazardous incidents involving plumes and providing support for this detonation.
- For the latest on this detonation, including IMAAC forecast plume graphics and safety information, please visit this link.



NEW Weather Impacts

- Cool and dry with northerly winds around 10 MPH.

Next Scheduled Update

- By 2 PM Saturday

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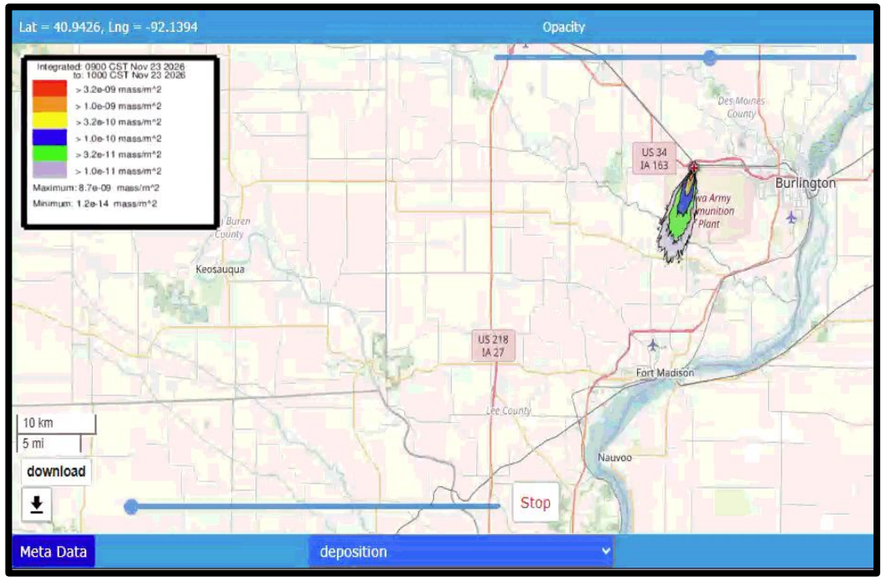
HYSPLIT run for November 23, 2026

Key Messages

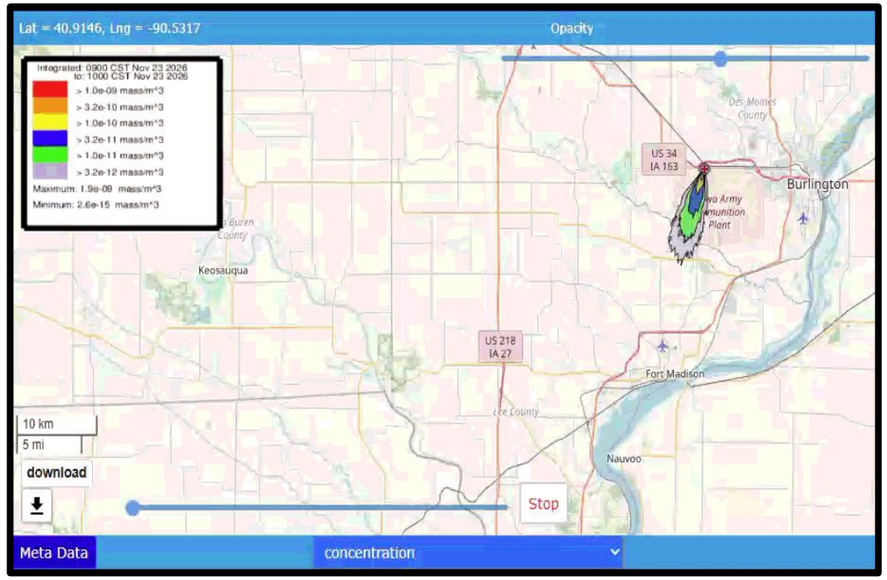
- NOAA HYSPLIT run is **supplemental** information using a generic mass and an unknown material for input. **NO** details on the material were used!

- US Army Dispersion Information - This will be updated ahead of the detonation.

Deposition
9 am - 1 pm CST Nov 23



Concentration
9 am - 1 pm CST Nov 23



Hysplit Run Link - https://www.ready.noaa.gov/hysplitpublic-bin/hyresults.pl?jobidno=22198

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Weather Information

Detailed Weather Matrix for Middletown, Iowa for November 20

Middletown, IA	Mon 11/23/2026								
	8am	9am	10am	11am	12pm	1pm	2pm	3pm	4pm
Temperature	33°F	35°F	37°F	40°F	41°F	43°F	43°F	43°F	41°F
Sky Cover	15%	15%	12%	9%	6%	8%	11%	13%	15%
Relative Humidity	78%	75%	70%	62%	57%	51%	51%	49%	53%
Wind Direction	N	N	N	NNW	NNW	NNW	NNW	NNW	NNW
Wind Speed	7mph	7mph	7mph	7mph	7mph	7mph	7mph	7mph	6mph
Wind Gust Speed	14mph	14mph	13mph	13mph	12mph	12mph	13mph	13mph	12mph
Weather Conditions	-	-	-	-	-	-	-	-	-
Probability of Precipitation	0%	0%	0%	0%	0%	0%	0%	0%	0%
Transport Wind Speed	12mph	12mph	12mph	10mph	10mph	10mph	12mph	12mph	12mph
Transport Wind Direction	N	N	N	N	N	N	NNW	NNW	N
Mixing Height	1216ft	1587ft	1957ft	2313ft	2598ft	2909ft	3066ft	2913ft	2176ft

Links to weather information

Customizable Weather Matrix

Hourly Weather Graph

IDSS Forecast Points