

SPS Warehouse Fire ER



- Notification
- Modeling Support
- Deployment
- Response
- Contractors
- Tactics
- Air Monitoring
- Oversight



COURTESY: STEVE MESSINA



SPS TECHNOLOGIES FIRE RESPONSE







Fire Command – Drone Use



20 Degrees!

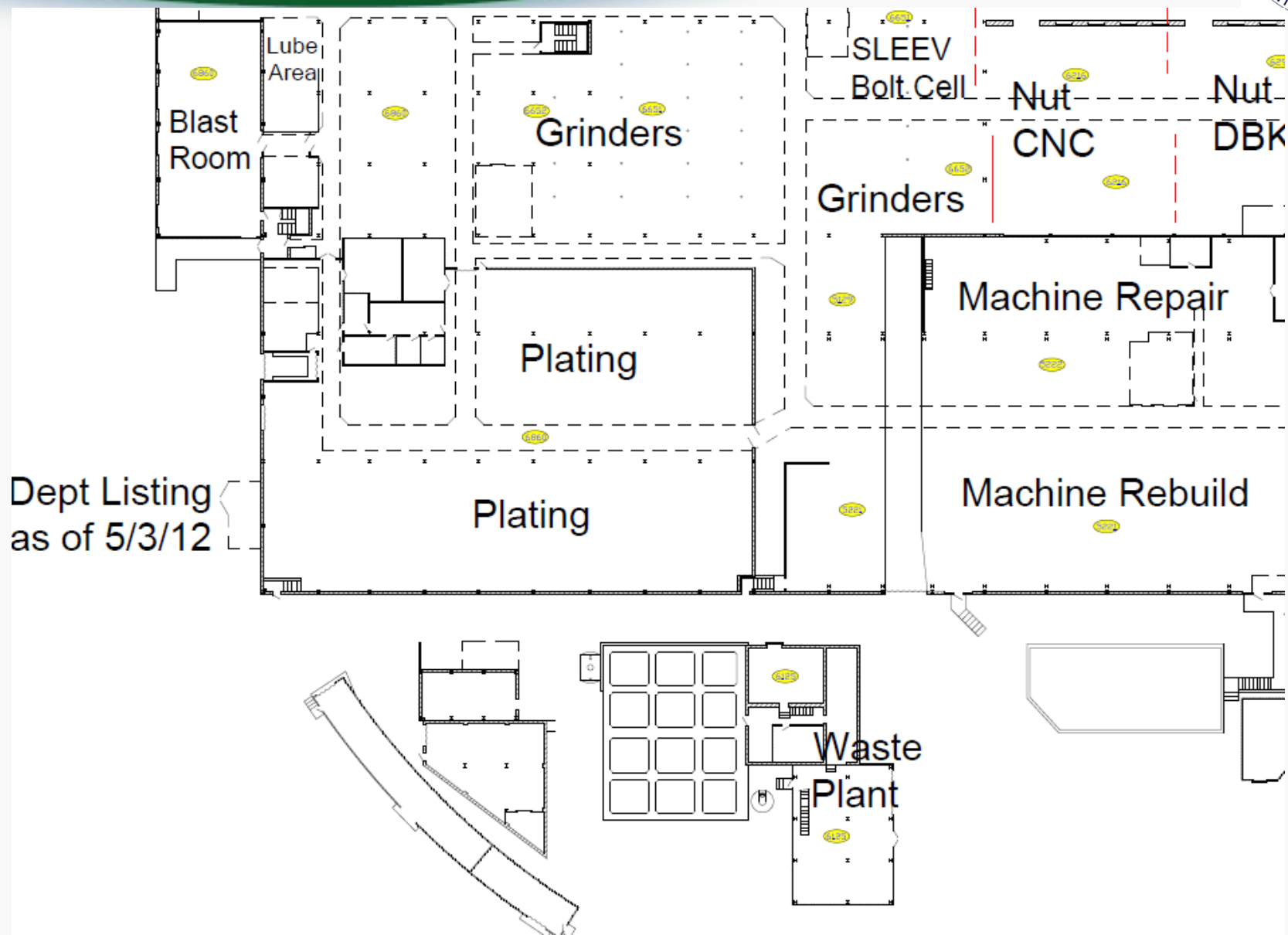


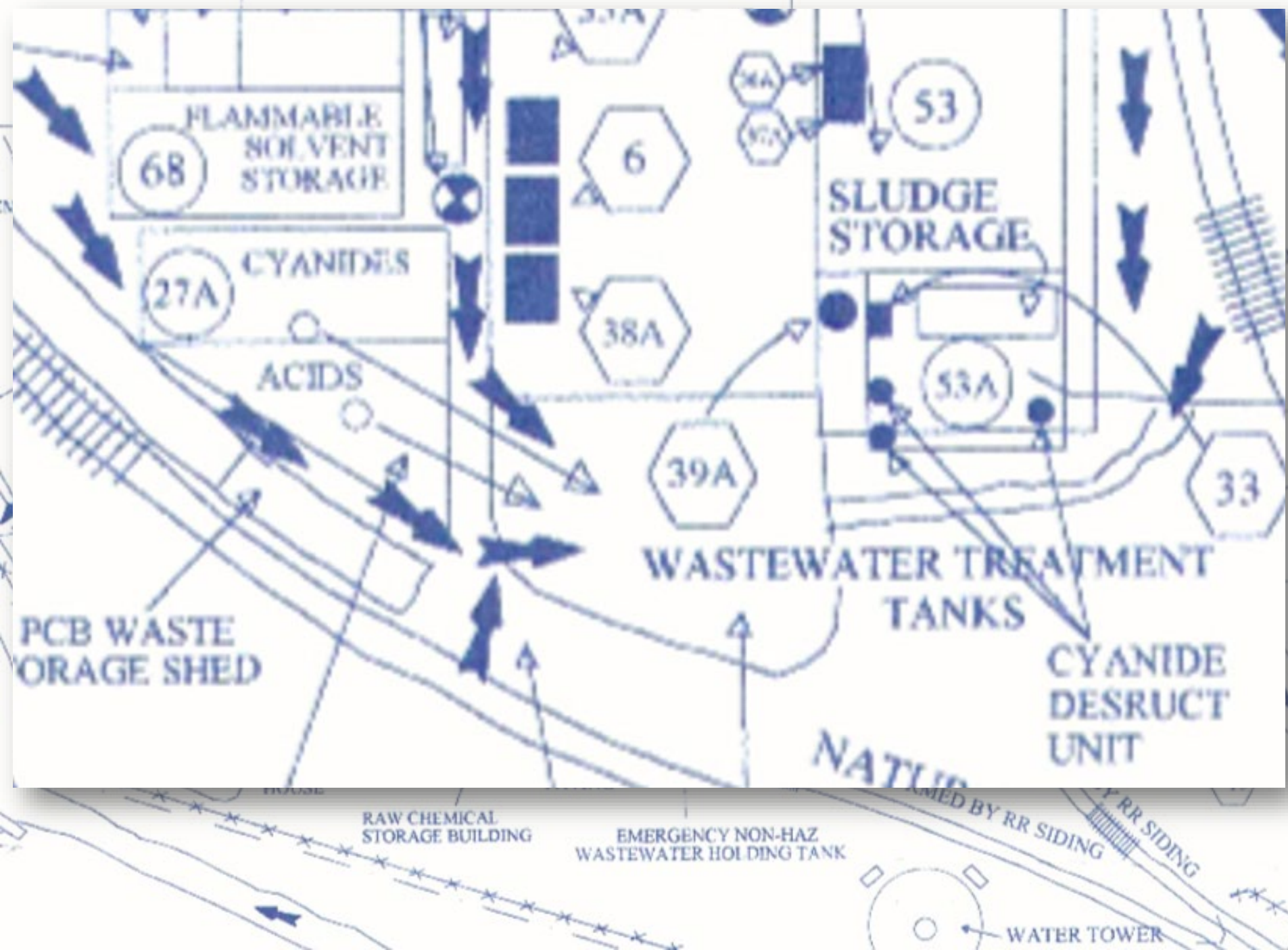


“She’s a Beaut Clark” – Montco EMA



PPC Plan/Tier II Reports





Pennsylvania Tier II Emergency and Hazardous Chemical Inventory

Facility Name: SPS TECHNOLOGIES LLC Facility ID: 5809

Reporting Period From January 1, 2023 to December 31, 2023

☐ Initial 5 Day Report ☒ Annual ☐ Update ☐ Revised ☒ Facility Information has changed from the last

Facility Identification				Owner/Operator De
Facility ID:	5809	LEPC:	Montgomery LEPC	Name:
Facility Name:	SPS TECHNOLOGIES LLC	Lat/Long:	40.0993/-75.1399	Address:
Company Name:	SPS TECHNOLOGIES LLC	Maximum Occupants:	525	Phone:
Physical Location:	301 HIGHLAND AVENUE, JENKINTOWN, PA 19046	Nature of Business:		
County:	Montgomery	NAICS Code:	332722	Parent Company D
SIC Code:	3452			Name:
Phone:	215-572-3952	Dun and Brad No:	2344117	Address:
Municipality:	Abington			Phone:

Chemical Description

Chemical ID:	1555161
Check if Chemical Information is changed from the last submission:	☒
CAS #:	151-50-8
Trade Secret:	☐
Chemical Name:	Potassium cyanide
EHS:	☒
Contains EHS:	☐
Exceeds TPQ:	☒
EHS Name:	Potassium cyanide
☒ Pure ☐ Mix ☒ Solid ☐ Liquid ☐ Gas	SDS



IMAAC

Interagency Modeling and Atmospheric Assessment Center

REAL WORLD

Large Structure Fire & Potential Industrial Chemical Releases Jenkintown, Pennsylvania

(RFI 25-0082aU)

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Controlled by: Research and Development
CUI Category: CTI, EXPT
Distribution/Dissemination Statement: C
POC: RD-OPR, 703-767-3445

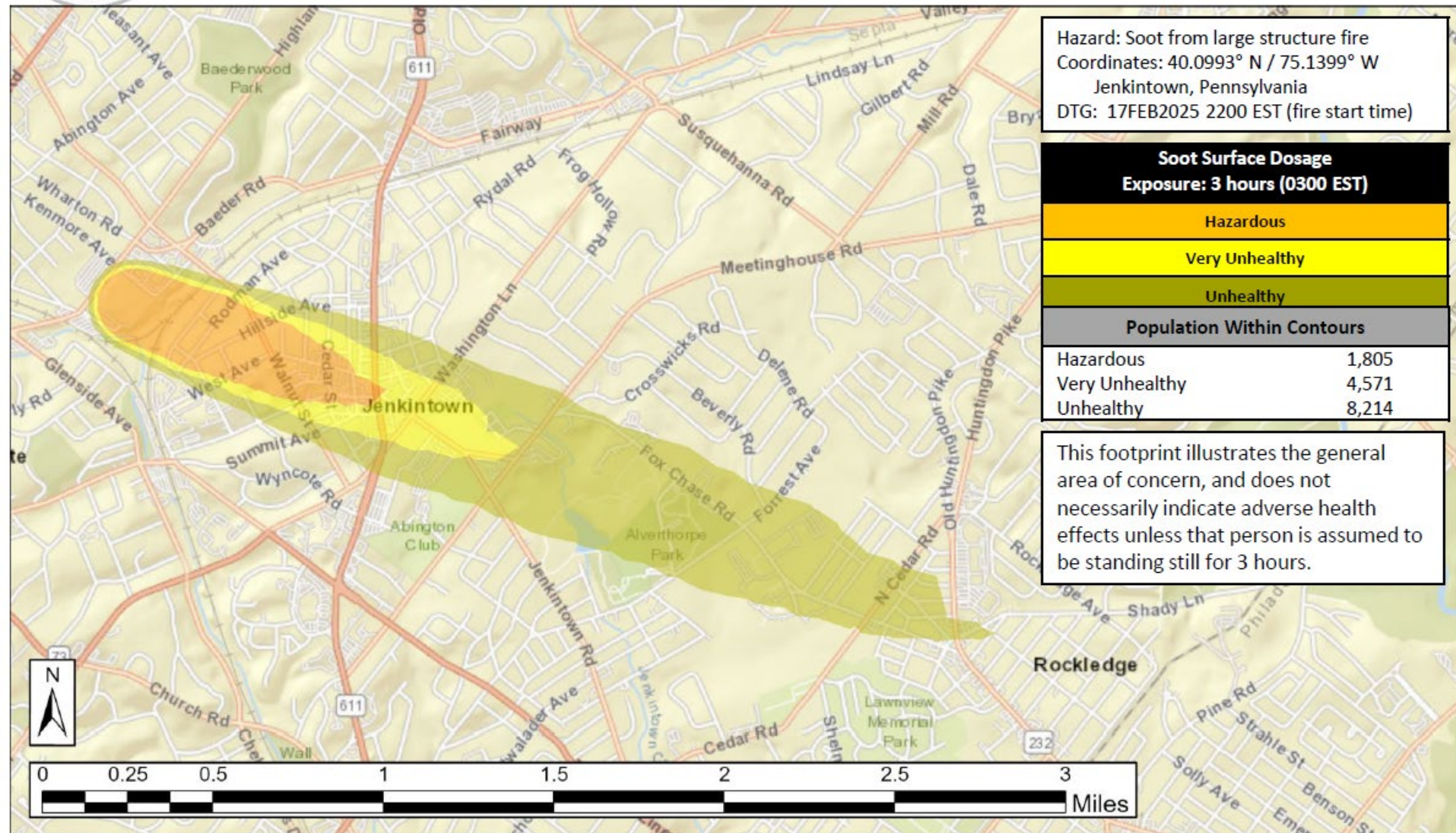
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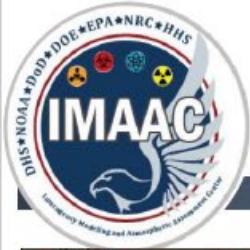
Chemical List.

- Argon 13144lbs
- Caustic soda (liquid) 24525lbs
- Oils (cutting/tapping) 25114lbs
- Glass oxide 9267/lbs
- Lime 8000lbs
- Hydrochloric acid solution 29444lbs
- Lead 20700lbs
- Nitric acid 10500lbs
- Nitrogen 13019lbs
- Potassium cyanide 704lbs
- Sodium bisulfite solution 13384lbs
- Sodium cyanide 1320lbs
- Sodium hypochlorite 16949lbs
- Sulfuric acid 35915lbs

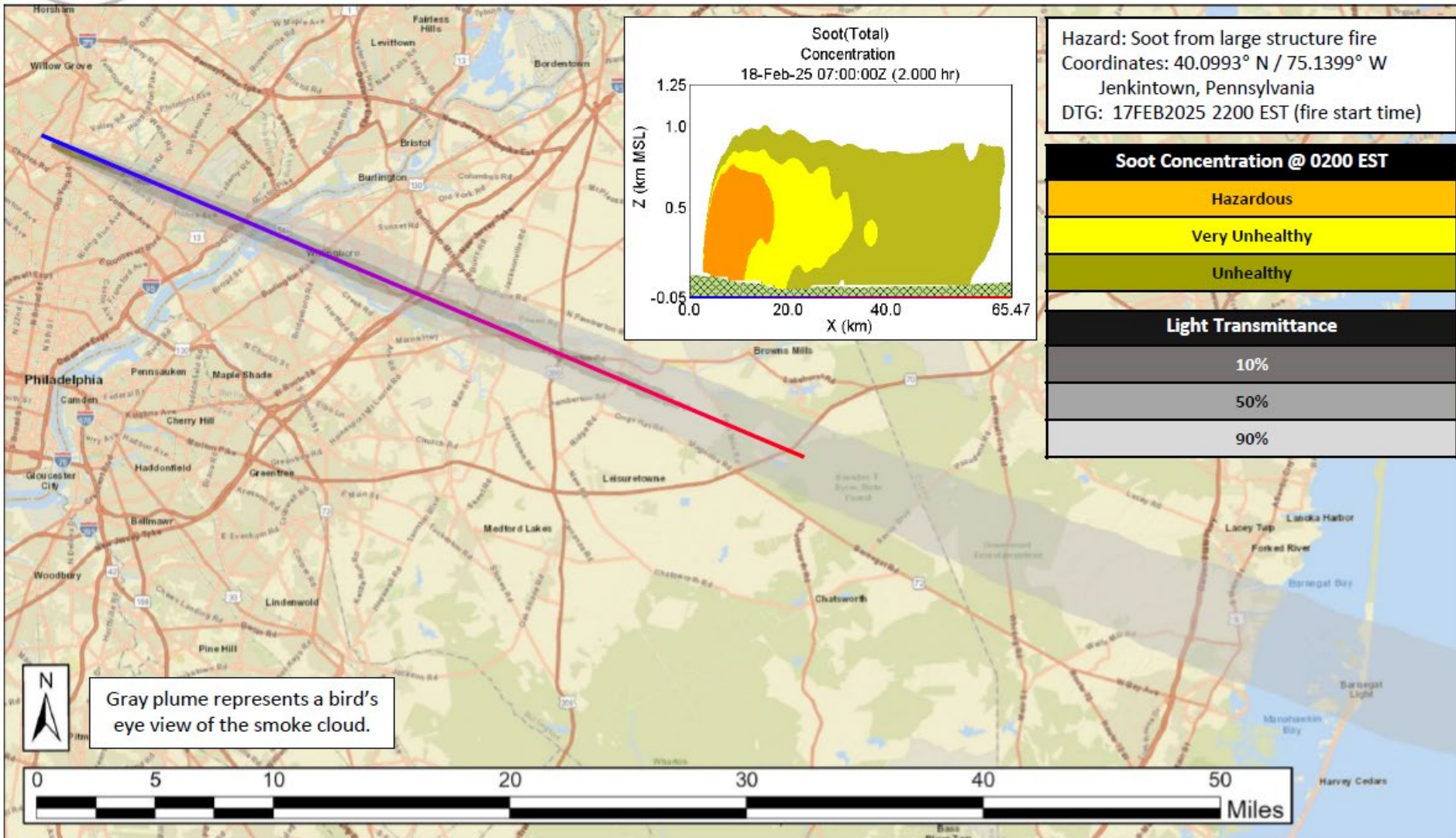


Soot – Surface Dosage – 0300 EST



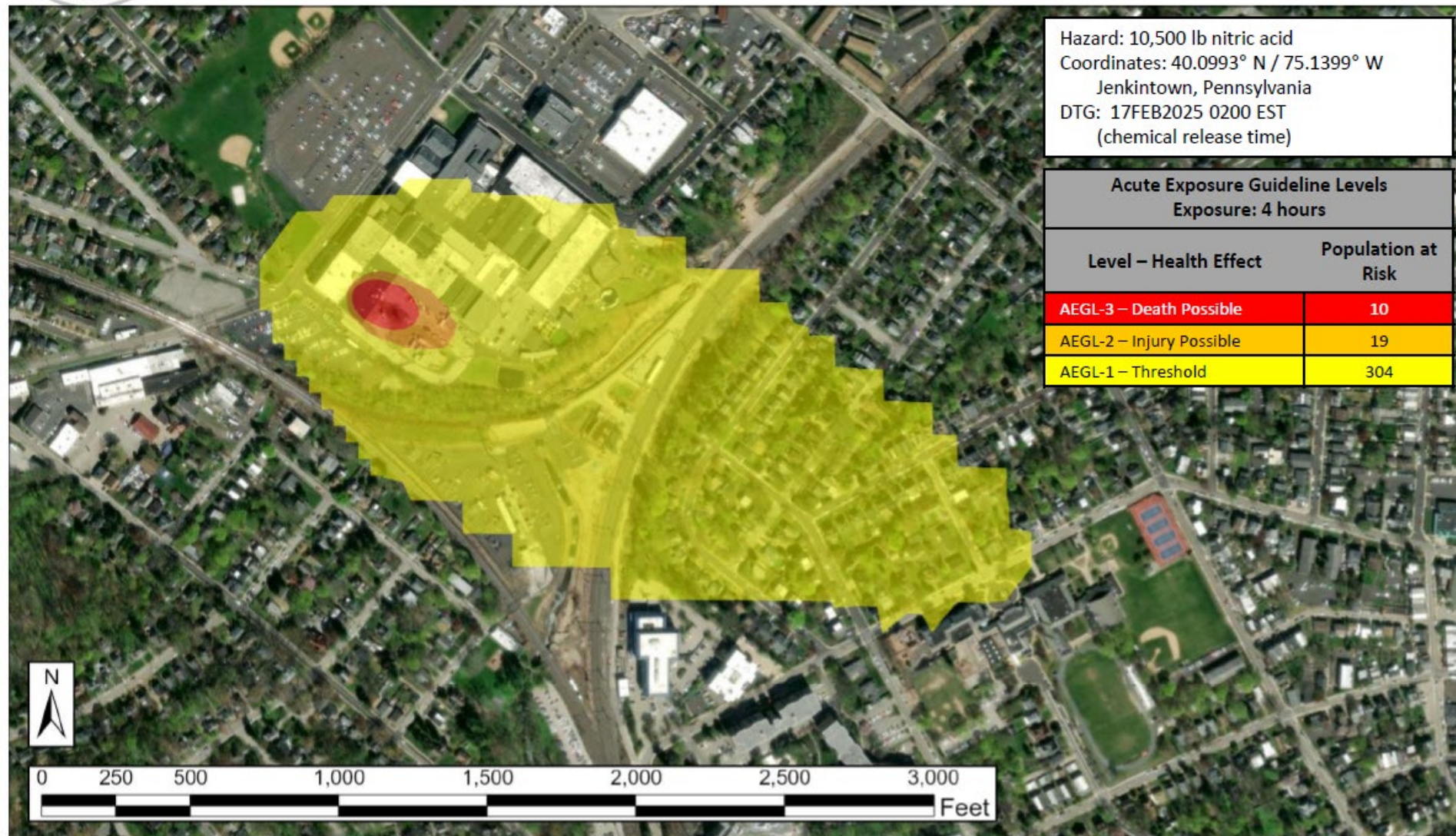


Soot – Vertical Profile at 0200 EST





Nitric Acid – Acute Exposure Guideline Levels (4 hr AEGLs)





Hydrogen Chloride – Acute Exposure Guideline Levels (4 hr AEGLs)

Hazard: 29,444 lb hydrogen chloride
Coordinates: 40.0993° N / 75.1399° W
Jenkintown, Pennsylvania
DTG: 17FEB2025 0200 EST
(chemical release time)

Acute Exposure Guideline Levels Exposure: 4 hours

Level – Health Effect	Population at Risk
AEGL-3 – Death Possible	21
AEGL-2 – Injury Possible	40
AEGL-1 – Threshold	163





Cyanides – Acute Exposure Guideline Levels (4 hr AEGLs)

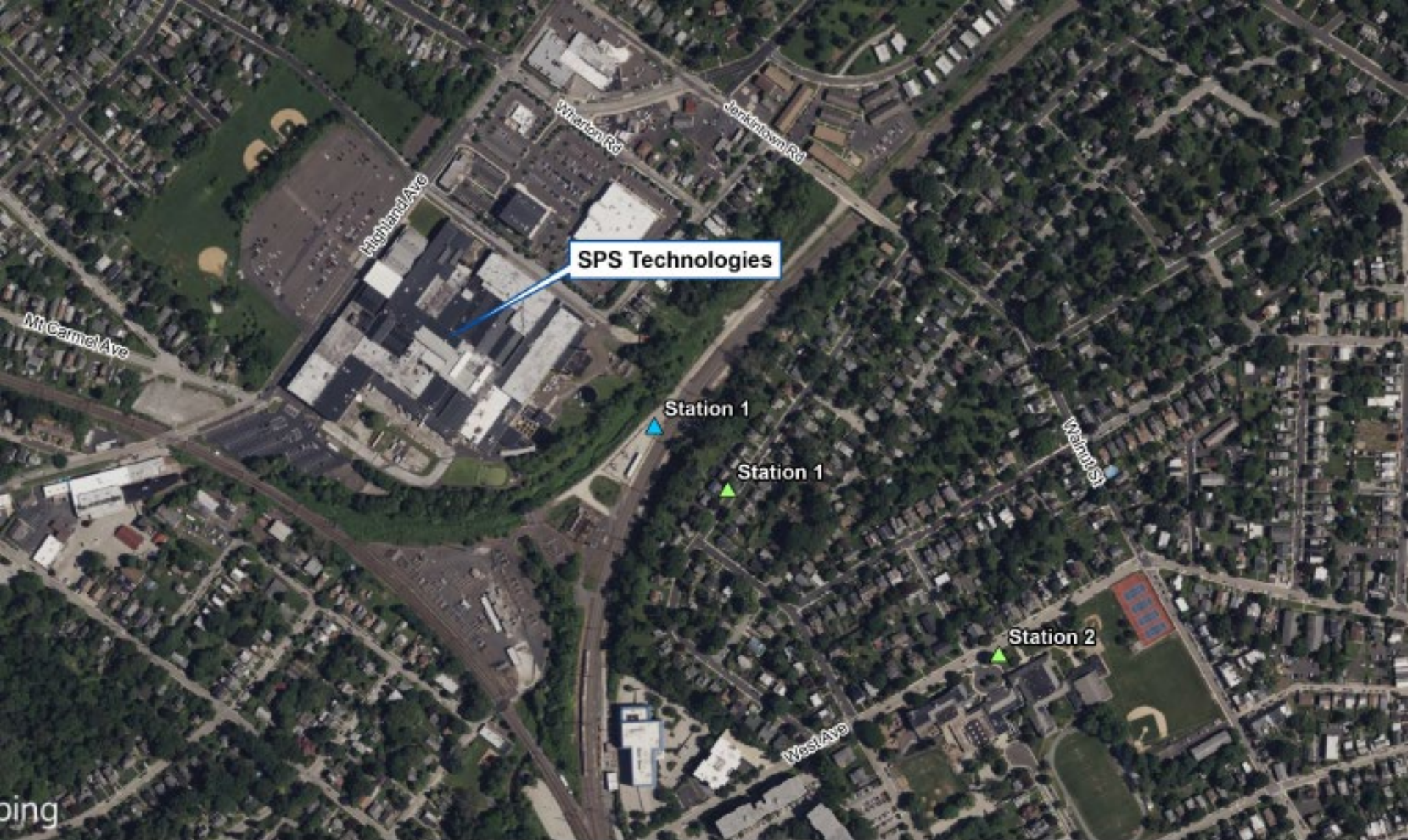






VIPER



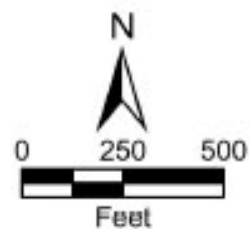


ping



-  Air Monitoring Station
-  Air Monitoring Station
(Stopped 17:00 2/20/2025)

Monitoring Station 1 was relocated from original location (blue) to new location (green) at 17:00, 2/20/2025.



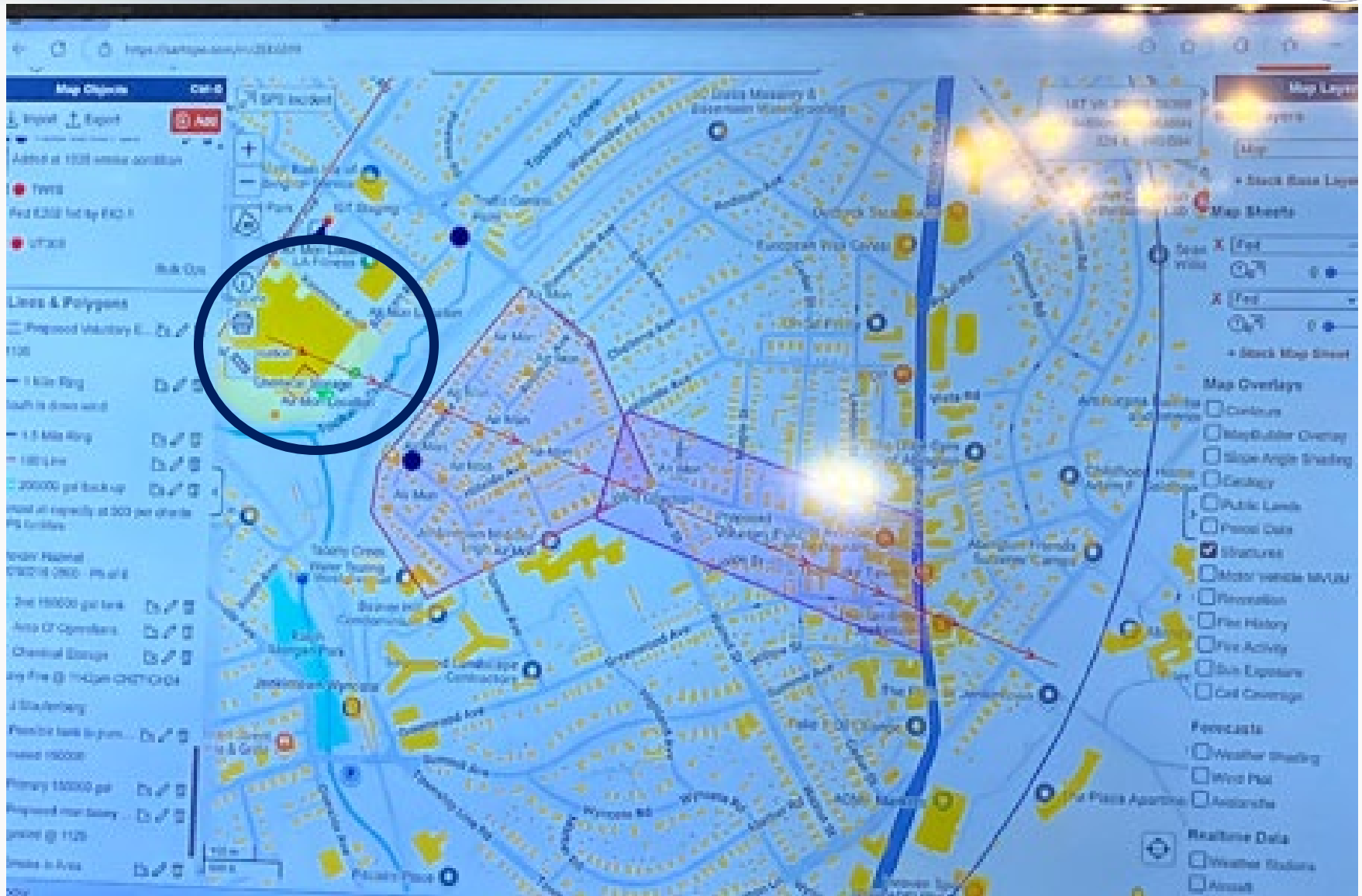
SPS Technologies Fire ER
Jenkintown, Montgomery County, Pennsylvania

Air Monitoring Locations

Air Monitoring



Local IMT



DANGER
HYDROCHLORIC
ACID



DANGER
SULFURIC
ACID
Personal protection
equipment required



DANGER
SULFURIC
ACID
Personal protection
equipment required





Runoff





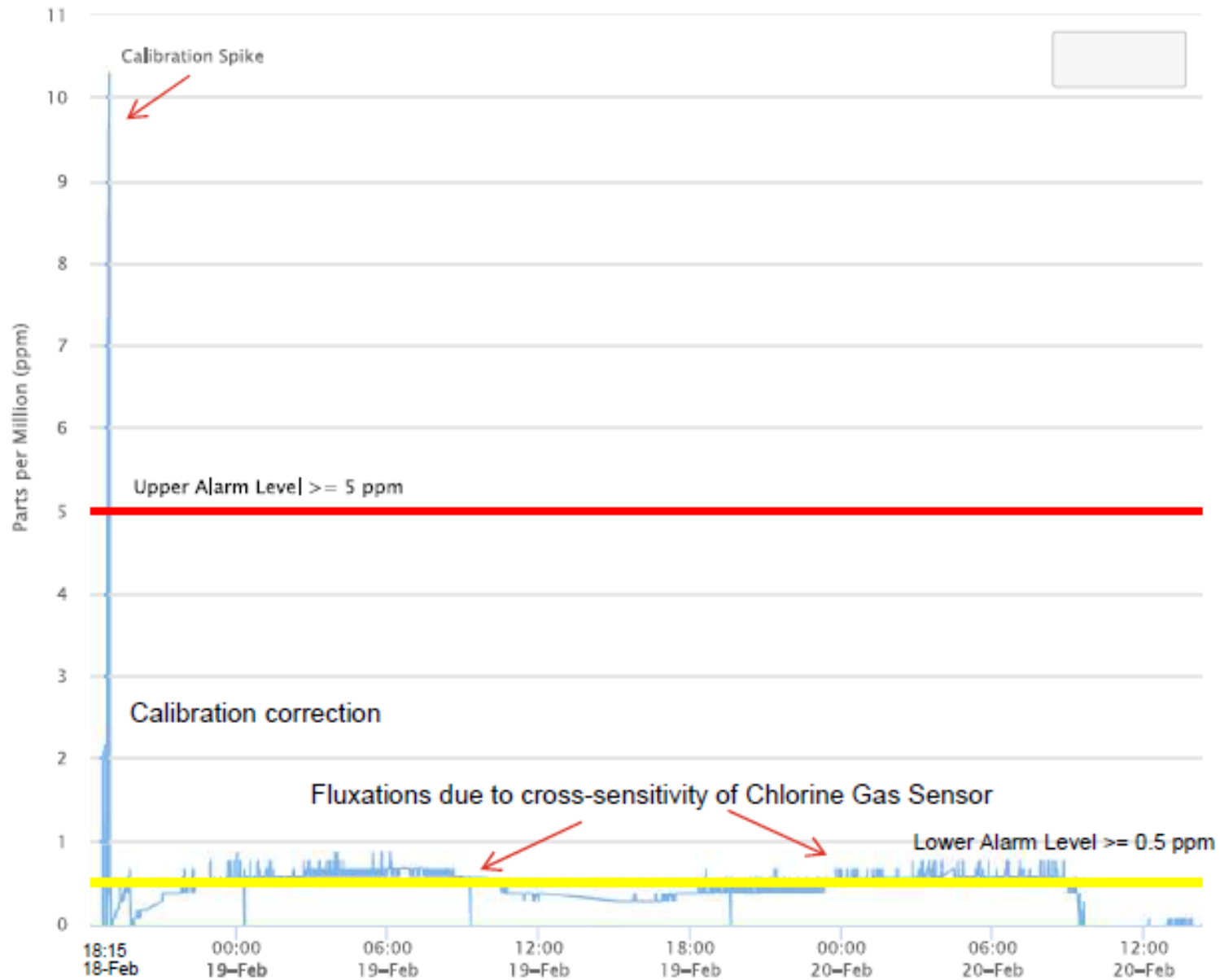




THIS JUST IN

**TESTING SHOWS DRINKING WATER
AND AIR QUALITY IS SAFE**

Chlorine Gas (Cl₂)



SPS Contractors Continue Monitoring



SPS Technologies

Air Monitoring Plan During
Demolition and
Deconstruction Activities



SPS Contractors Continue Monitoring



