

# District 1 Healthcare Coalition February 2025 Meeting

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*District 1 HCC Clinical Advisor*

# And one weird way TO MEASURE A STORM'S SEVERITY

## The Waffle House Index

FEMA once said they get a fairly good measure how bad the situation after a storm by checking the local Waffle House. The chain is famous for keeping the business open during calamities. FEMA has even alert levels for this:



### ● GREEN

The chain is serving full menu

### ● YELLOW

The chain is serving limited menu

### ● RED

The chain is closed

"If you get there and the Waffle House is closed? That's really bad."

— FEMA Administrator  
Craig Fugate

# Continuity of Operations (COOP)

















# Rural Domestic Preparedness Consortium (RDPC)

## ► **MGT-381-V Business Continuity Planning**

- September 11<sup>th</sup> & 12<sup>th</sup>  
8:30am - 12:30pm *PST*
- Register by September 4<sup>th</sup>
- <https://ruraltraining.org/course/MGT-381-V/?scheduled=true&id=12648>





# Rural Domestic Preparedness Consortium (RDPC)

- ▶ **MGT-416-V Continuity of Government Operations Planning for Rural Communities**
  - ▶ March 12<sup>th</sup> & 13<sup>th</sup>  
8:30am - 12:30pm CST
  - ▶ Register by March 4<sup>th</sup>
  - ▶ <https://ruraltraining.org/course/MGT-416-V/?scheduled=true&id=11531>



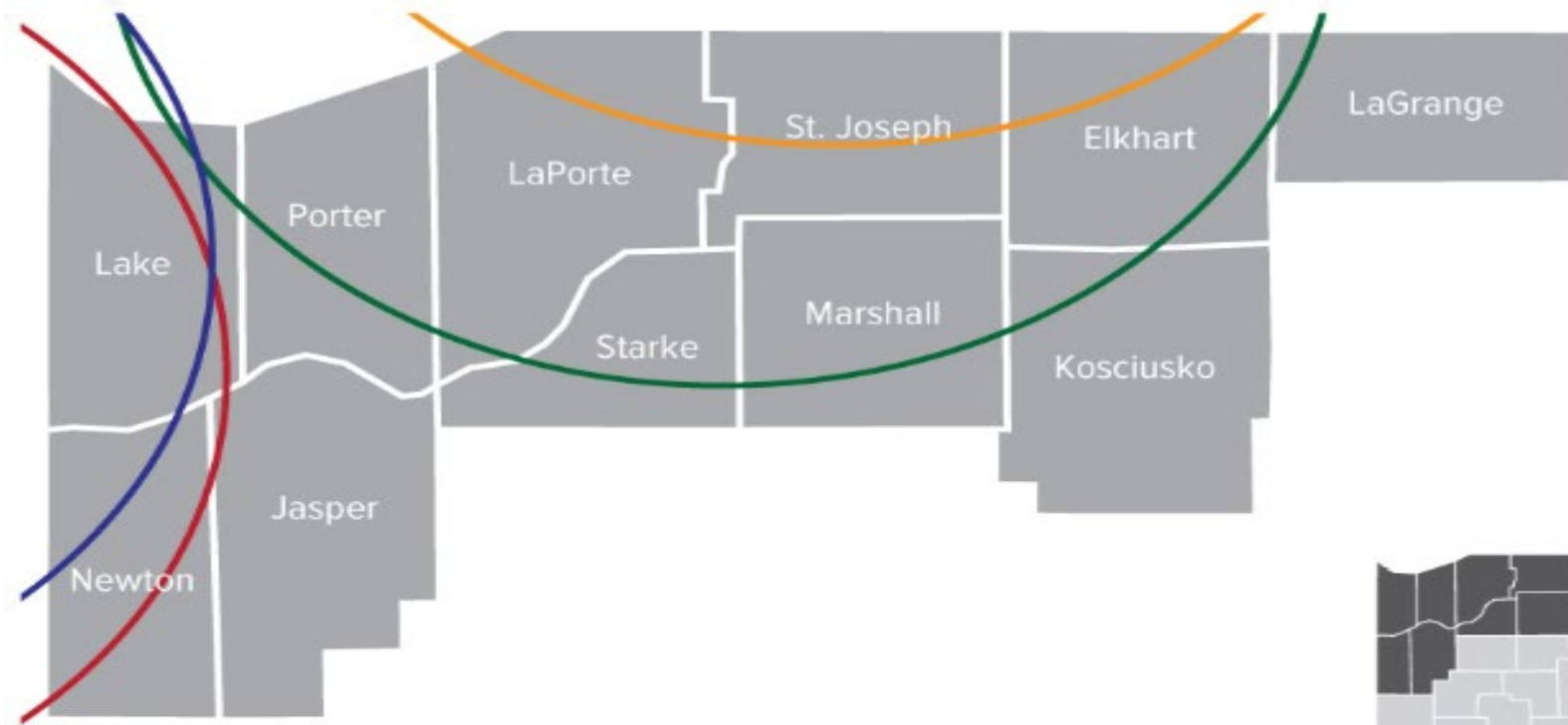
# Nuclear Hazards







# Ingestion Pathways



- Braidwood Nuclear Generating Station
- Dresden Nuclear Generating Station
- DC Cook Nuclear Plant
- Palisades Nuclear Plant





# RadResponder Network



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**FEMA**



**NNSA**  
National Nuclear Security Administration



**EPA**

The **RadResponder Network** is the national standard and Whole Community solution for the management of radiological data.

It is a product of collaboration between **FEMA, DOE/NNSA, and the EPA**, and is provided free of charge to all Federal, state, local, tribal, and territorial response organizations. [Learn more...](#)



2045  
organizations

12121  
responders

TECHNICAL ENHANCEMENTS

NEWS & EVENTS

COMMUNITY INITIATIVES

# Counterterrorism Operations Support (CTOS)

## ▶ **Web-Based Independent Study Trainings:**

- ▶ AWR-140-W Introduction to Radiological/Nuclear WMD Operations
- ▶ PER-307-W Introduction to Nuclear Detonation Effects and Response Strategies
- ▶ AWR-350-W Hospital Radiological Emergency Operations: Hospital Operations Plan
- ▶ AWR-410-W Hospital Radiological Emergency Operations: Hazards and Countermeasures
- ▶ AWR-411-W Hospital Radiological Emergency Operations: Personal Protective Equipment
- ▶ AWR-412-W Hospital Radiological Emergency Operations: Pre-Arrival and Recovery
- ▶ <https://ctos.acadisonline.com/AcadisViewer/Registration/ListOfAvailableTraining>



# Rural Domestic Preparedness Consortium (RDPC)

- ▶ **MGT-415-V Disaster Recovery in Rural Communities**
  - ▶ May 6<sup>th</sup> & 7<sup>th</sup> 8:00am - 12:00pm CST
  - ▶ Register by April 29<sup>th</sup>
  - ▶ <https://ruraltraining.org/course/mgt-415-v-disaster-recovery-in-rural-communities/?scheduled=true&id=12642>



# National Disaster Preparedness Training Center (NDPTC)

- ▶ **AWR-356 Community Planning for Disaster Recovery**
  - ▶ September 17<sup>th</sup> & 18<sup>th</sup>  
2:00pm - 6:00pm *EST*
  - ▶ Register by September 16<sup>th</sup>
  - ▶ <https://ndptc.hawaii.edu/training/delivery/3866/>





# National Disaster Preparedness Training Center (NDPTC)

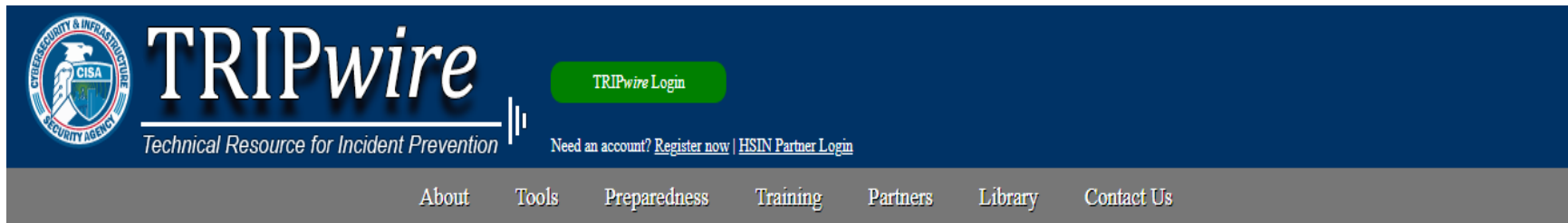
- ▶ **MGT-460 Planning for Disaster Debris Management**

- ▶ November 5<sup>th</sup> & 6<sup>th</sup>  
12:00pm - 4:00pm *EST*
- ▶ <https://ndptc.hawaii.edu/training/delivery/3876/>



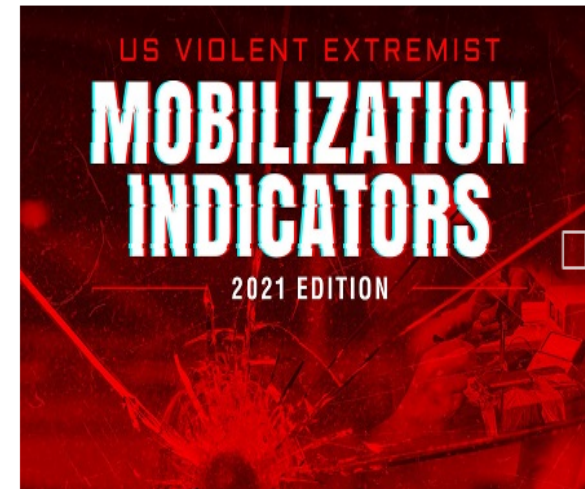
# Improvised Explosive Hazards

# Technical Resource for Incident Prevention (TRIPwire)



## US Violent Extremist Mobilization Indicators: 2021 Edition

This resource is provided to inform law enforcement, terrorism prevention practitioners, other first responders, community leaders, as well as the general public about both threats of violence and contextual behaviors that suggest an individual is mobilizing to violence. The indicators included in this booklet are intended to aid law enforcement... [Read more](#)



## What's New

California: IIDs Thrown at Residence and Vehicle

Waiting for gov-bam.nr-data.net...

California: Pyrotechnic Functions Prematurely, Man Loses Fingers

Illinois: Suspect Detonates Explosive Device on Transit Train, Additional Device Found

Washington: Pipe Bomb Discovered on Road



# Technical Resource for Incident Prevention (TRIPwire)

- ▶ **Web-Based Independent Study Trainings:**
  - ▶ AWR-341 IED Awareness and Safety Precautions
  - ▶ AWR-349 Homemade Explosives (HME) and Precursor Awareness for Public Safety
  - ▶ AWR-903 Bomb Threat Preparedness and Response
  - ▶ AWR-911 Bomb-Making Materials Awareness: Your Role
  - ▶ AWR-921 Bomb-Making Materials Awareness Employee Training
  - ▶ Suspicious Activity Reporting (SAR) Explosive Precursors Point of Sale Training
  - ▶ <https://tripwire.dhs.gov/training/web-based-independent-study>

# Rural Domestic Preparedness Consortium (RDPC)

- ▶ **AWR-232-V Mass Fatalities Planning & Response for Rural Communities**

- ▶ March 12<sup>th</sup> & 13<sup>th</sup>  
8:00am - 12:00pm EST
- ▶ Register by March 5<sup>th</sup>
- ▶ <https://ruraltraining.org/course/AWR-232-V/?scheduled=true&id=12620>



# Railroad Hazards





# Calumet Avenue Valparaiso, IN



Valparaiso Water  
Department

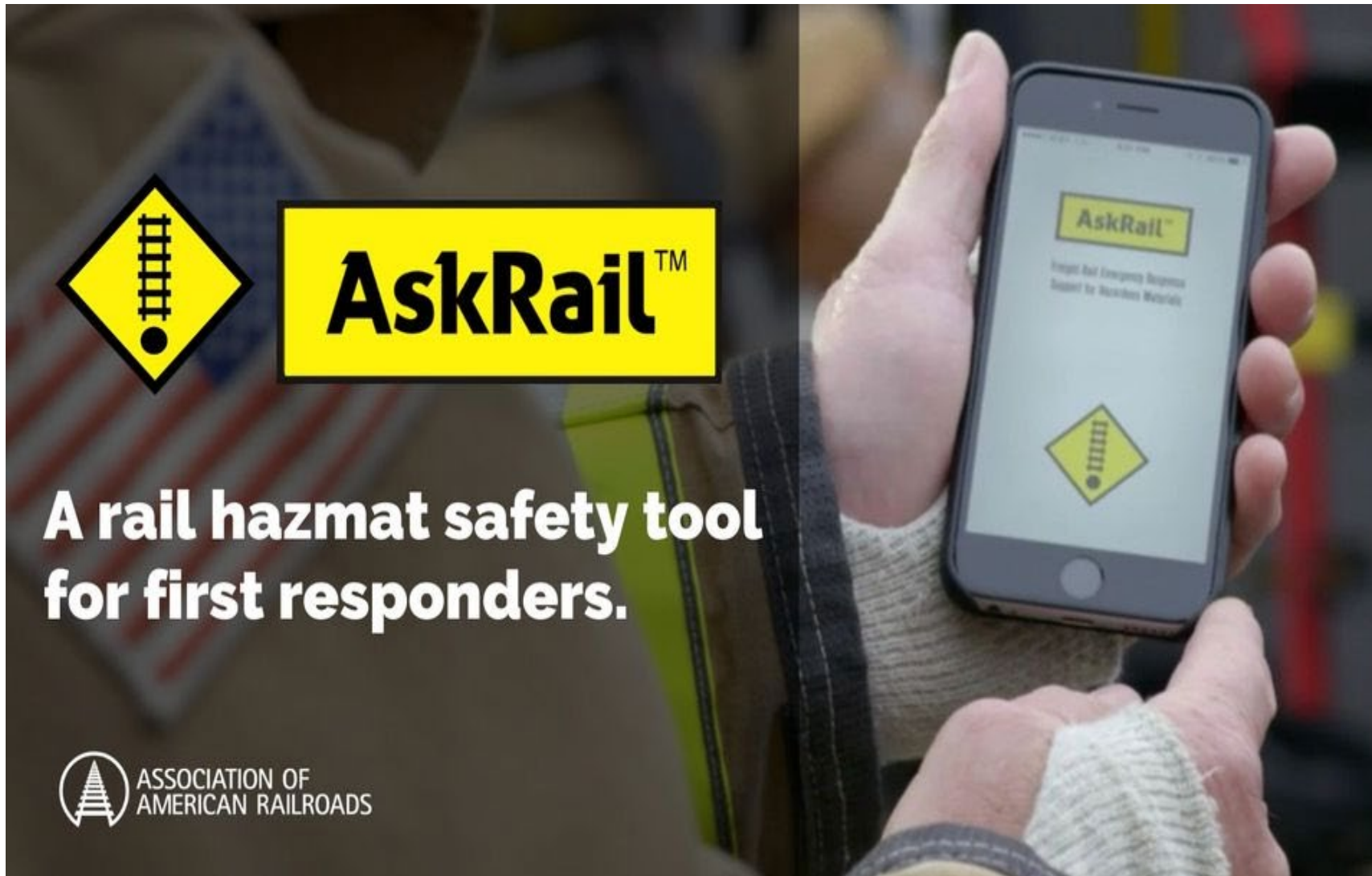


2D






# AskRail




The image shows a firefighter in a brown hazmat suit with reflective yellow stripes, holding a smartphone. The phone screen displays the AskRail app interface, which includes the app's name, a description of its function, and a yellow diamond-shaped hazard warning symbol. The background is slightly blurred, showing an American flag and other emergency equipment.



**AskRail™**

**A rail hazmat safety tool  
for first responders.**

 ASSOCIATION OF  
AMERICAN RAILROADS



## Consist Results

[Done](#)**FILTER**

ALL



128 Cars

>	116	BNSF 467023	EMPTY
>	117	BN 467078	EMPTY
>	118	BN 467900	EMPTY
>	119	BN 472006	EMPTY
>	120	BNSF 467430	EMPTY
>	121	MTZX 290054	RESIDUE
>	122	NATX 15009	RESIDUE
>	123	WFRX 883782	EMPTY
>	124	AOK 29235	LOADED
>	125	EQUX 631096	EMPTY
>	126	TILX 309919	RESIDUE
>	127	TILX 309946	RESIDUE
>	128	PROX 76378	LOADED
>	129	CSXE 99178	EOTD







## Car Lookup



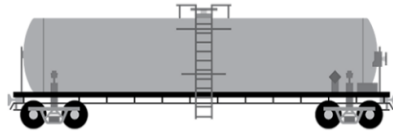
### Equipment Details

**HAZARDOUS**

### Car Information

NATX 15059

RESIDUE



TANK CAR  
111A100W1

### Contents

Quantity  
00 Pounds

**UN1301**

Proper Shipping Name  
VINYL ACETATE,  
STABILIZED



## Car Lookup

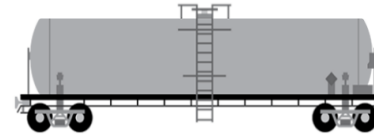


**HAZARDOUS**

### Car Information

UTLX 673124

RESIDUE



TANK CAR  
111A100W1

### Contents

Quantity  
Net Weight: 00 Pounds

**UN2426**

Proper Shipping Name  
AMMONIUM NITRATE,  
LIQUID





## Car Lookup

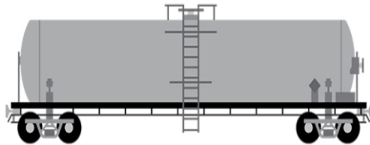


**HAZARDOUS**

### Car Information

UTLX 94798

LOADED



TANK CAR  
111A100W2

### Contents

Quantity  
89,267 Kilogram-1  
Tank

Proper Shipping Name  
SULFURIC ACID



## Car Lookup

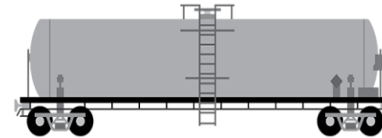


**HAZARDOUS**

### Car Information

GATX 32544

RESIDUE



TANK CAR  
111A100W1

### Contents

Quantity  
Net Weight: 00 Pounds

Proper Shipping Name  
PHENOL, MOLTEN





TILX 402025 (26)
Vinyl Chloride
OCPX 80235 (27)
Vinyl Chloride
OCPX 80179 (28)
Vinyl Chloride
GATX 95098 (29)
Vinyl Chloride
RACX 51629 (30)
Vinyl Chloride
LYBX 5191 (31)
Propylene
RACX 51435 (32)
Propylene
UTLX 6



Car Lookup

TILX 401980

X

Equipment Details

HAZARDOUS

Car Information

TILX 401980

RESIDUE

TANK CAR  
105J300W

Contents

Quantity

Net Weight: 00 Pounds

Proper Shipping Name

VINYL CHLORIDE,  
STABILIZED

Hazard Class

2.1

UN1086

1086

2

Packing Group

—



# Isolation Zone Map

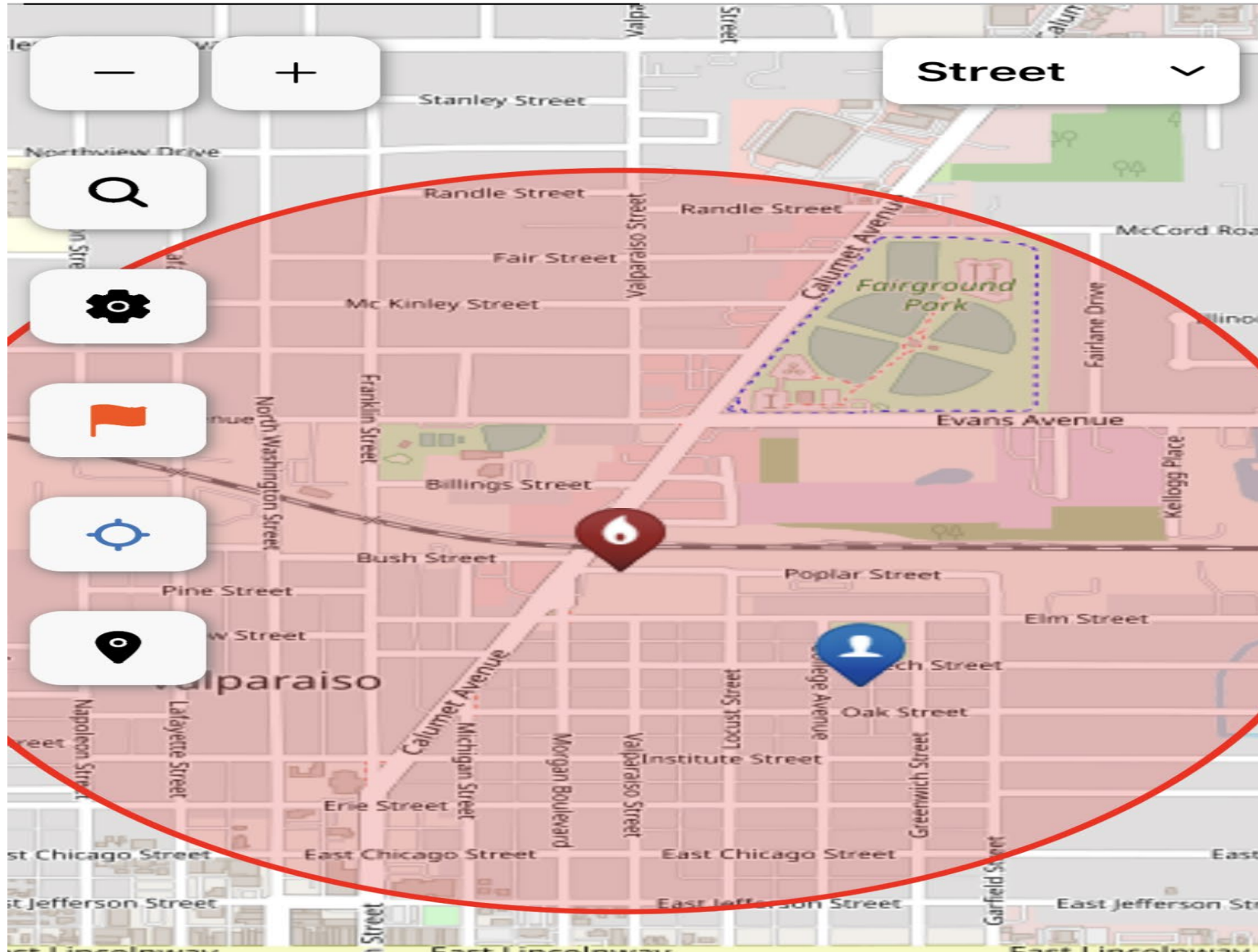
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Isolation Zone Map



Isolation Zone Info





**(P) Potential Polymerization****Guide 116**

Gases - Flammable (Unstable)

**POTENTIAL HAZARDS****FIRE OR EXPLOSION**

- **EXTREMELY FLAMMABLE.**
- Will be easily ignited by heat, sparks or flames.
- Will form explosive mixtures with air. Acetylene (UN1001, UN3374) may react explosively even in the absence of air.
- Silane (UN2203) will ignite spontaneously in air.
- Those substances designated with a (P) may polymerize explosively when heated or involved in a fire.
- Vapors from liquefied gas are initially heavier than air and spread along ground.
- Vapors may travel to source of ignition and flash back.
- Cylinders exposed to fire may vent and release flammable gas through pressure relief devices.
- Containers may explode when heated.
- Ruptured cylinders may rocket.

**HEALTH**

- Vapors may cause dizziness or asphyxiation without warning.
- Some may be toxic if inhaled at high concentrations.
- Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.
- Fire may produce irritating and/or toxic gases.

**PUBLIC SAFETY****PUBLIC SAFETY**

- **CALL 911. Then call emergency response telephone number on shipping paper. If shipping paper not available or no answer, refer to appropriate telephone number listed on the inside back cover.**
- Keep unauthorized personnel away.
- Stay upwind, uphill and/or upstream.
- Many gases are heavier than air and will spread along the ground and collect in low or confined areas (sewers, basements, tanks, etc.).

**PROTECTIVE CLOTHING**

- Wear positive pressure self-contained breathing apparatus (SCBA).
- **Structural firefighters' protective clothing provides thermal protection but only limited chemical protection.**

**EVACUATION****Immediate precautionary measure**

- Isolate spill or leak area for at least 100 meters (330 feet) in all directions.

**Large Spill**

- Consider initial downwind evacuation for at least 800 meters (1/2 mile).

**Fire**

- If tank, rail car or tank truck is involved in a fire, ISOLATE for 1600 meters (1 mile) in all directions; also, consider initial evacuation for 1600 meters (1 mile) in all directions.
- [FLAG] In Canada, an Emergency Response Assistance Plan (ERAP) may be required for this product. Please consult the shipping paper and/or the ERAP Program Section (page 390).





## AskRail

Done

### EMERGENCY RESPONSE

#### FIRE

- **DO NOT EXTINGUISH A LEAKING GAS FIRE UNLESS LEAK CAN BE STOPPED.**

##### Small Fire

- Dry chemical or CO2.

##### Large Fire

- Water spray or fog.
- If it can be done safely, move undamaged containers away from the area around the fire.

##### Fire Involving Tanks

- Fight fire from maximum distance or use unmanned master stream devices or monitor nozzles.
- Cool containers with flooding quantities of water until well after fire is out.
- Do not direct water at source of leak or safety devices; icing may occur.
- Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
- ALWAYS stay away from tanks engulfed in fire.
- For massive fire, use unmanned master stream devices or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

#### SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames) from immediate area.
- All equipment used when handling the product must be grounded.
- Stop leak if you can do it without risk.
- Do not touch or walk through spilled material.
- Do not direct water at spill or source of leak.



## AskRail

Done

withdraw from area and let fire burn.

#### SPILL OR LEAK

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames) from immediate area.
- All equipment used when handling the product must be grounded.
- Stop leak if you can do it without risk.
- Do not touch or walk through spilled material.
- Do not direct water at spill or source of leak.
- Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- Prevent entry into waterways, sewers, basements or confined areas.
- Isolate area until gas has dispersed.

#### FIRST AID

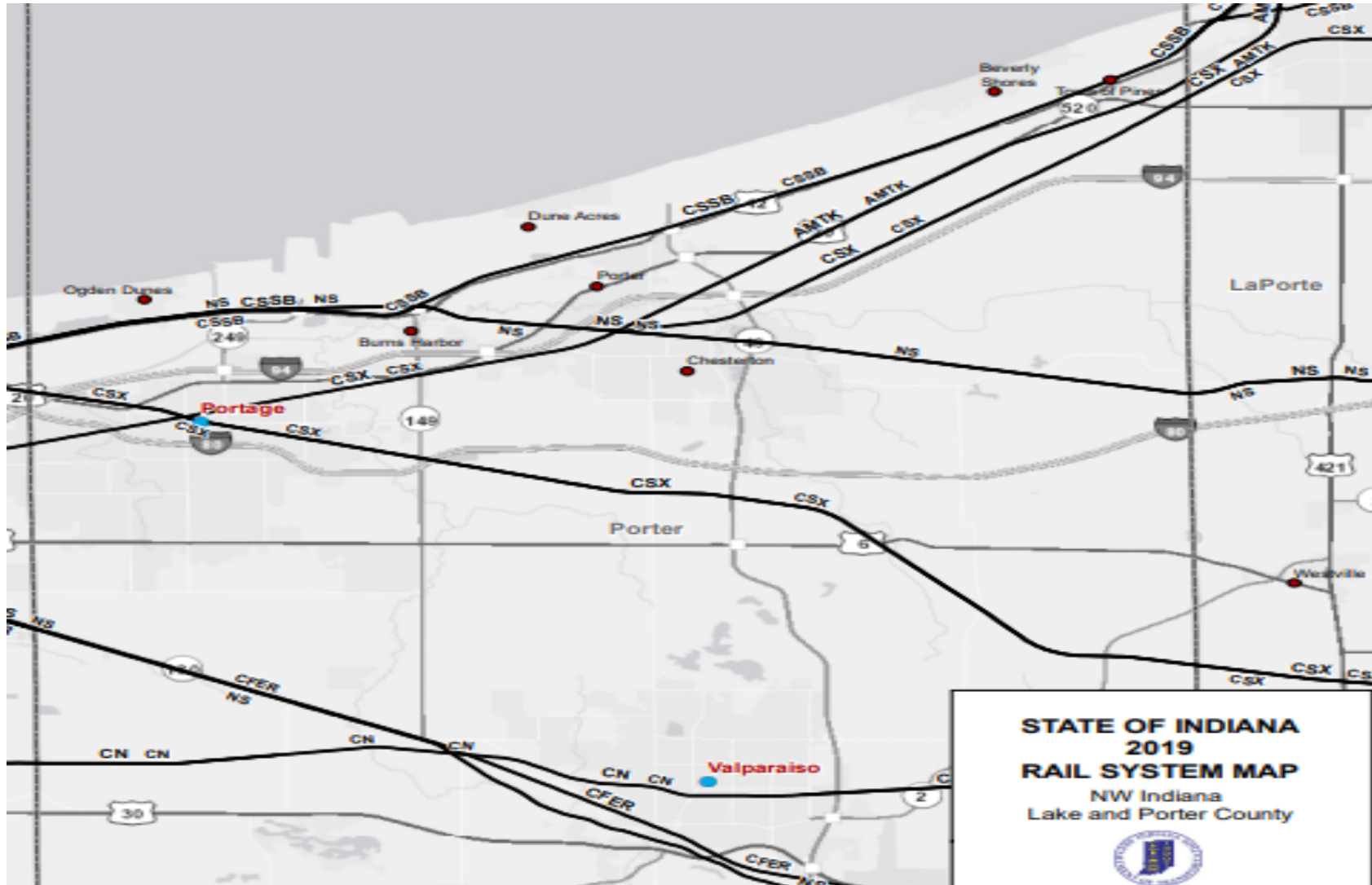
- Call 911 or emergency medical service.
- Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
- Move victim to fresh air if it can be done safely.
- Give artificial respiration if victim is not breathing.
- Administer oxygen if breathing is difficult.
- Remove and isolate contaminated clothing and shoes.
- In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
- In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.







# Hazardous Commodity Flow Information





# Hazardous Commodity Flow Information



January 1, 2022 - December 31, 2022

Porter County, Indiana

Volume, dangerous goods

Proper Shipping Name	Class	UNNA	loaded	empty	total ↓
LIQUEFIED PETROLEUM GASES	2.1	UN1075	16672	19895	36567
ETHANOL AND GASOLINE MIXTURE	3	UN3475	7548	7367	14915
SULFURIC ACID	8	UN1830	6971	6258	13229
ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.	9	UN3077	3276	3364	6640
PETROLEUM CRUDE OIL	3	UN1267	2847	3057	5904
DIESEL FUEL	3	UN1202	2397	3229	5626
GASOLINE	3	UN1203	2195	3384	5579
ALCOHOLS, N.O.S.	3	UN1987	2804	2666	5470
VINYL CHLORIDE, STABILIZED	2.1	UN1086	2713	2707	5420
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	9	UN3082	2921	2298	5219
FREIGHT ALL KINDS - CONTAINS DANGEROUS GOODS			4728	45	4773
ELEVATED TEMPERATURE LIQUID, N.O.S.	9	UN3257	2244	1973	4217
SODIUM HYDROXIDE SOLUTION	8	UN1824	1945	2143	4088
AMMONIUM NITRATE, LIQUID	5.1	UN2426	1980	2051	4031
AMMONIA, ANHYDROUS	2.3	UN1005	1223	1481	2704
SULFUR, MOLTEN	4.1	UN2448	1050	1238	2288

# Rural Domestic Preparedness Consortium (RDPC)

## ► **AWR-147-V Rail Car Incident Response**

- July 14<sup>th</sup> & 15<sup>th</sup>  
8:00am - 12:00pm *EST*
- Register by July 13<sup>th</sup>
- <https://ruraltraining.org/course/awr-147-v-rail-car-incident-response/?scheduled=true&id=12708>







Questions???