

BNSF Hazmat Webinar Planning and Initial Size-up

PATRICK BRADY GENERAL DIRECTOR HAZMAT SAFETY

JUNE 19, 2024

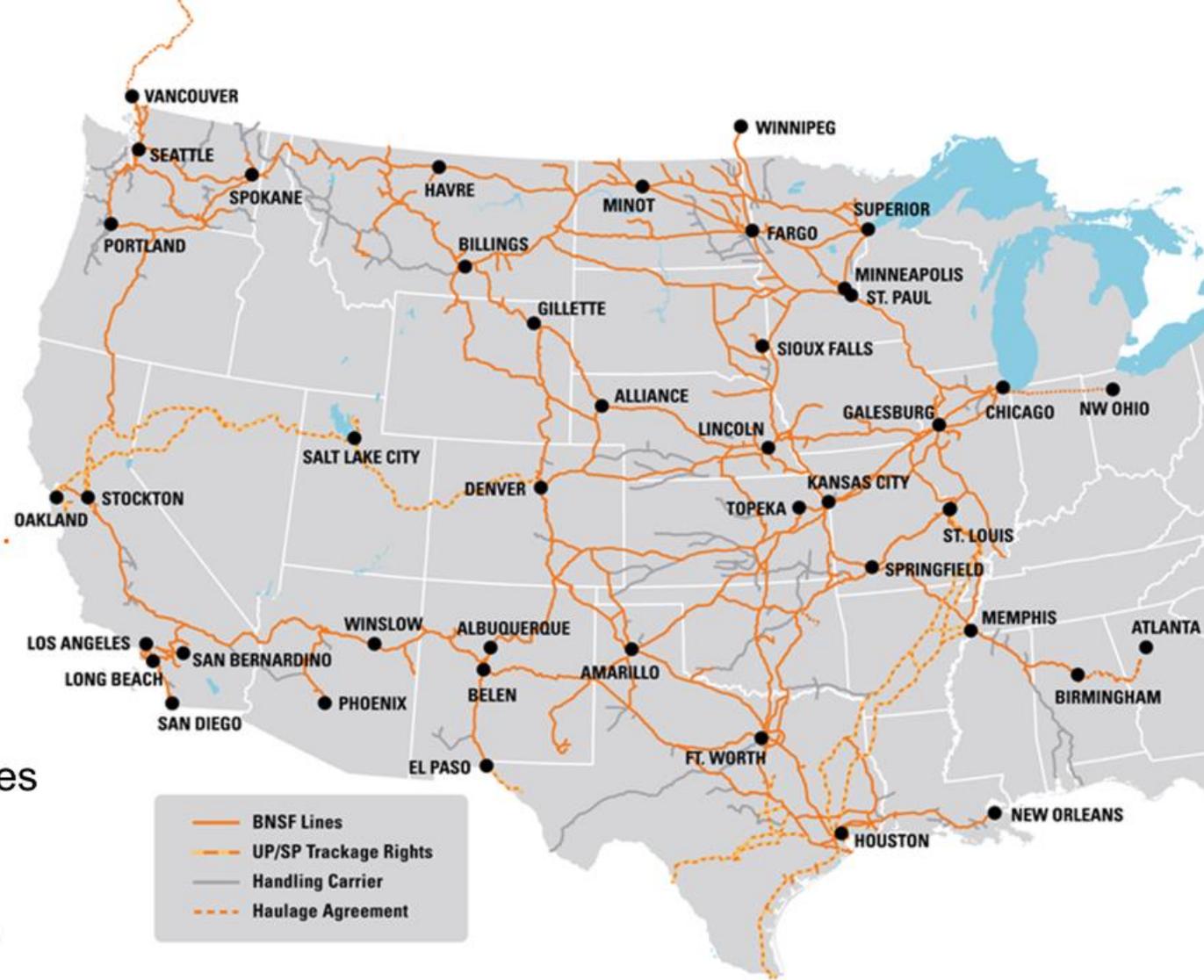
Webinar - Planning and Initial Size-up

- Webinar is being recorded. Recording will be posted on BNSFHazmat.com
- Introductions
- Survey/Certificates
- Agenda
 - Overview on BNSF
 - Safety considerations
 - Pre-Planning for railroad hazmat incidents
 - Conducting an initial “Size-Up”
 - Answering previously submitted questions
 - Time Permitting - Answering your questions submitted via chat

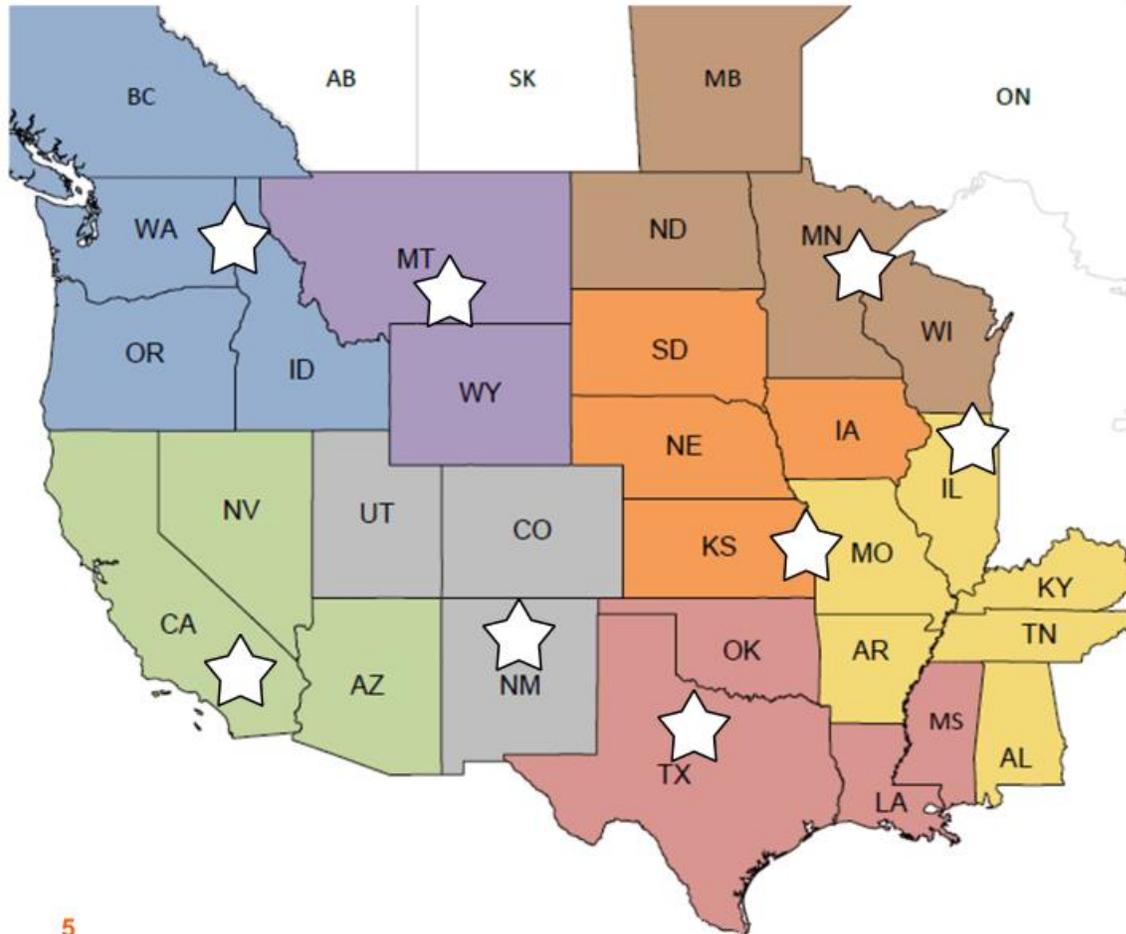


Who and What We Are

- 33,400 Miles of Track
- ~32,000 employees
- Operating in 28 States & 3 Canadian Provinces
- ~8,000 Locomotives
- Operating approximately 1,600 trains per day
- 1.2 Million Hazardous Material Shipments in 2023
- Capital Investment of \$4 Billion in 2024
- BNSF can move 1-ton of freight approximately 500 miles on 1-gallon of fuel



HAZMAT Manager Region Map



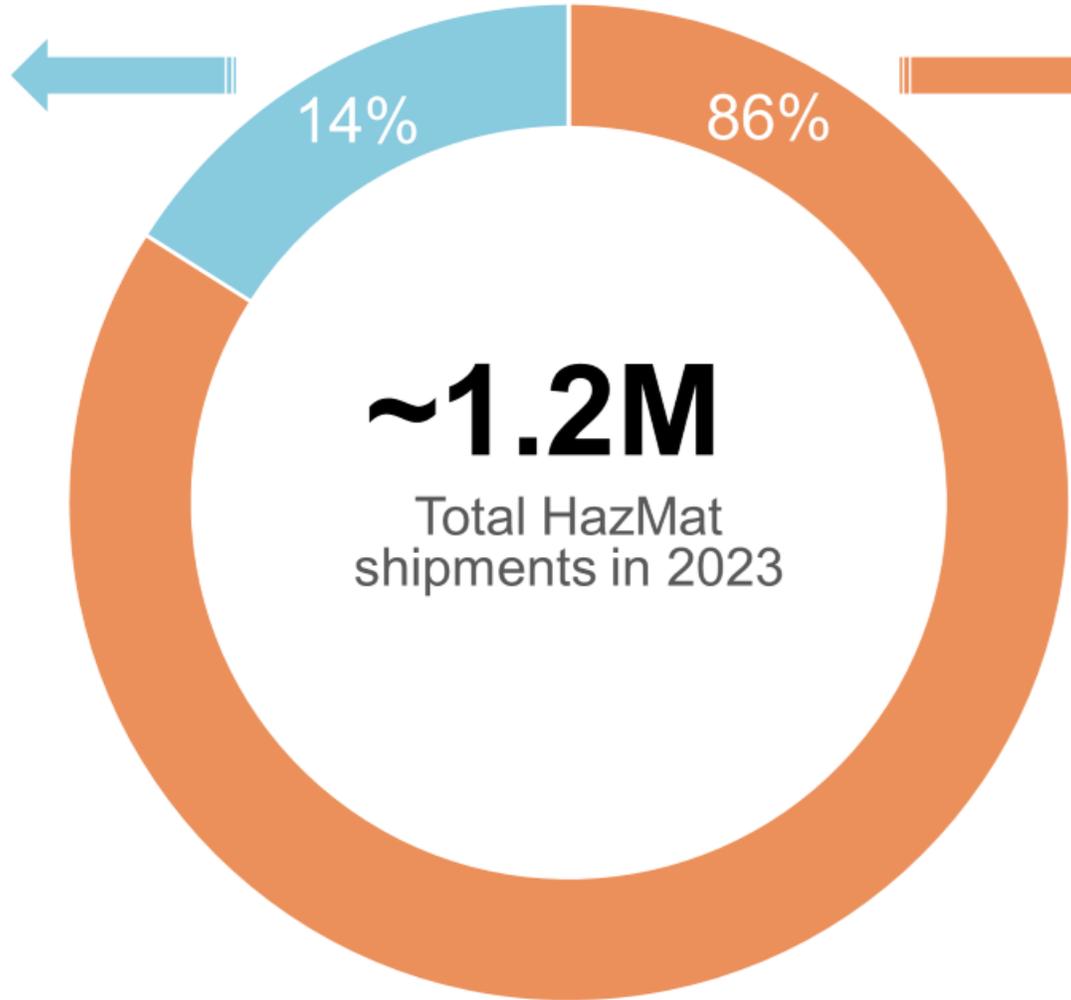
HazMat - System Wide
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BNSF HazMat Shipments

Intermodal or Non-Bulk

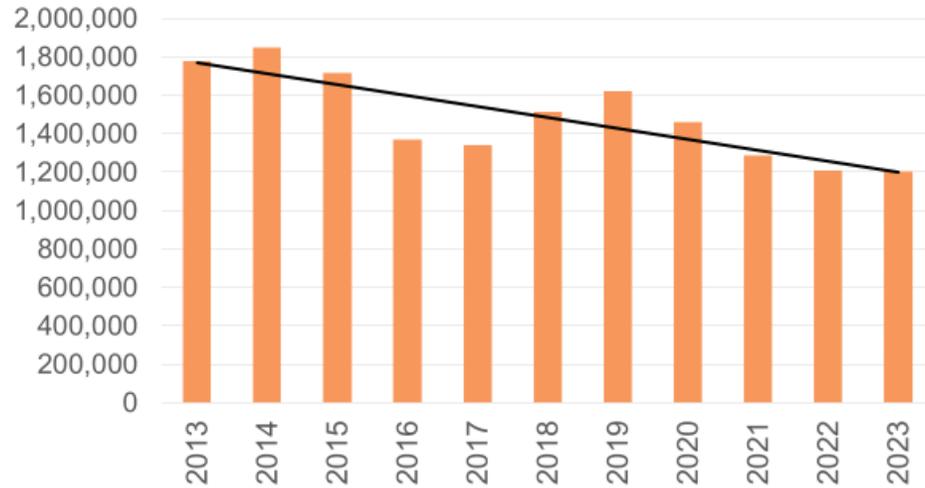


Manifest / Bulk

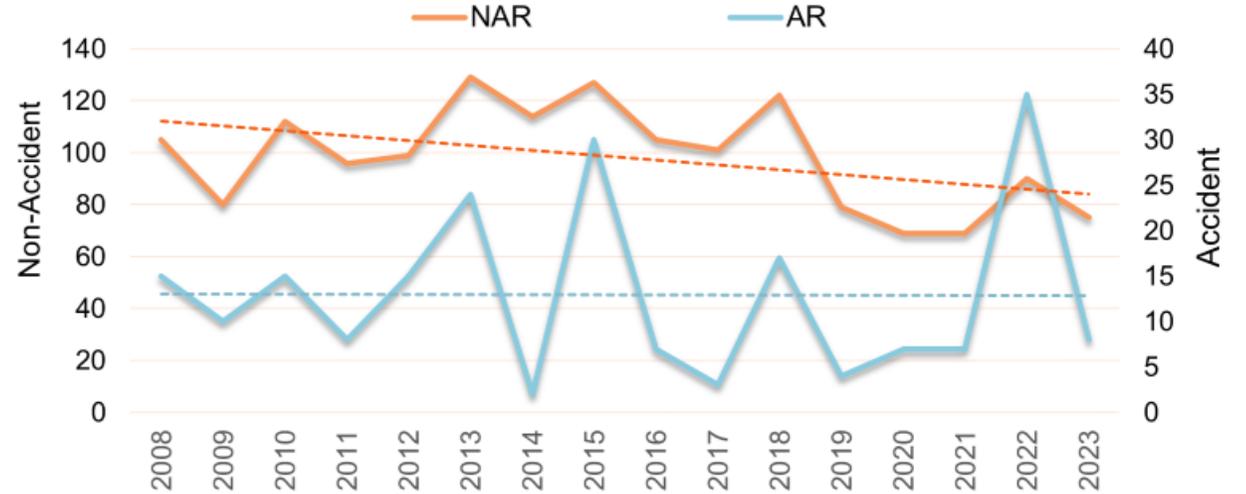


BNSF Hazardous Material Stats

BNSF Number of HazMat Shipments



BNSF Total HazMat Releases



HAZMAT TRENDS

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Accident Release (AR) Yearly Totals	2	30	7	3	14	4	7	7	35	8
Number of Derailments with an AR	2	7	6	3	4	2	5	2	4	4
AR per 100K HM Shipments	0.11	1.75	0.51	0.22	0.92	0.25	0.82	0.46	2.9	0.66
Non-Accident Release (NAR) Yearly Totals	114	127	105	101	122	79	69	69	90	75
NAR per 100K HM Shipments	6.2	7.4	7.7	7.5	8.1	4.9	4.7	4.2	7.5	6.2

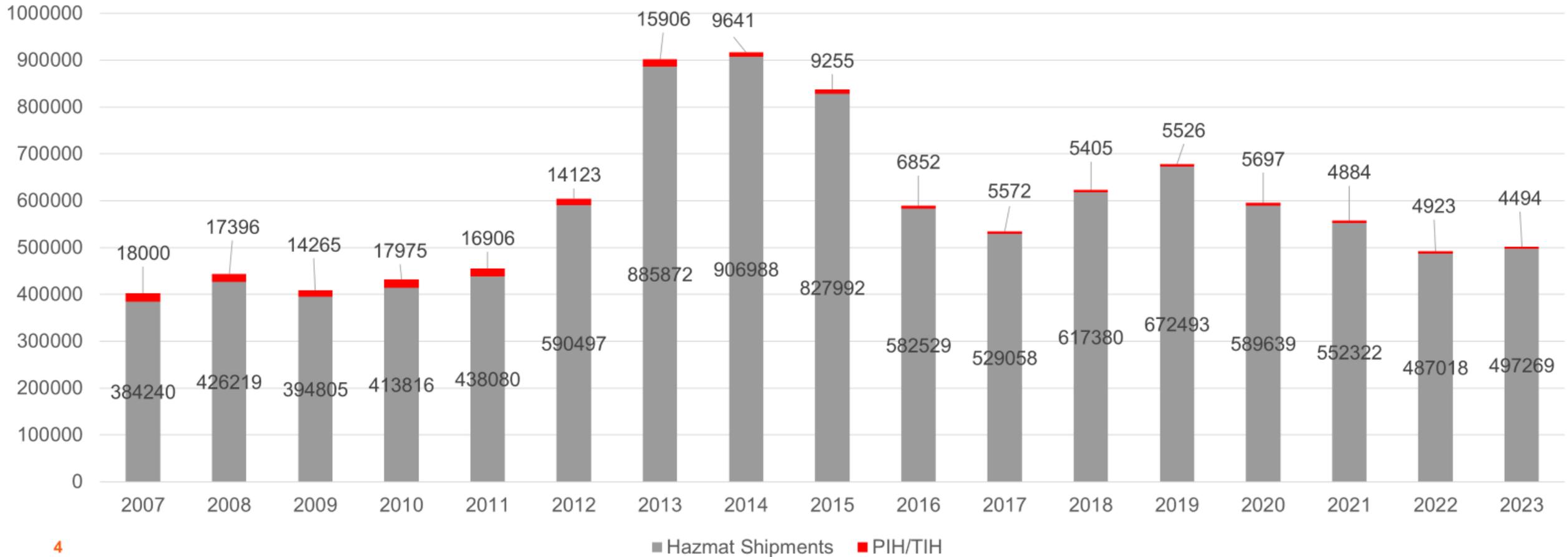
2023 Top 20 HazMat's Transported by BNSF in Tank Cars

94% of total bulk shipments

<u>UN Code</u>	<u>Haz Class</u>	<u>Proper Shipping Name</u>	<u>ERG</u>	<u>Residue Car</u>	<u>Loaded Car</u>
1170/1987/3475	3	ALCOHOLS, N.O.S./ETHANOL//ETHANOL AND GASOLINE MIXTURES	127	117550	112977
1267	3	PETROLEUM CRUDE OIL	128	93096	91618
1075	2.1	LIQUEFIED PETROLEUM GAS	115	89597	83720
1202/1996	3/CL	DIESEL FUEL/FUEL OIL	128	64225	56959
3257	9	ELEVATED TEMPERATURE LIQUID, N.O.S.	128	44581	40493
1203	3	GASOLINE	128	19914	16649
1830	8	SULFURIC ACID	137	9215	9528
1824	8	SODIUM HYDROXIDE SOLUTION	154	6695	8353
3082	9	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.	171	5985	6341
3077	9	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, SOLID, N.O.S.	171	6578	6644
1789	8	HYDROCHLORIC ACID	157	7743	6325
2448	9	SULFUR, MOLTEN	133	6071	5886
1993	CL	COMBUSTIBLE LIQUID, N.O.S.	128	5472	5214
1230	3	METHANOL	131	4971	4643
1268	3/CL	PETROLEUM DISTILLATES, N.O.S.	128	4016	3492
2055	3	STYRENE MONOMER, STABILIZED	128	3660	3488
3256	3	ELEVATED TEMPERATURE LIQUID, FLAMMABLE, N.O.S.	128	2730	2564
2426	5.1	AMMONIUM NITRATE, LIQUID	140	2359	2324
1017	2.3	CHLORINE	124	2372	2308
1301	3	VINYL ACETATE, STABILIZED	129	2271	2242

BNSF TIH/PIH vs All HazMat Loads

Loaded HazMat Cars (Non-Intermodal)



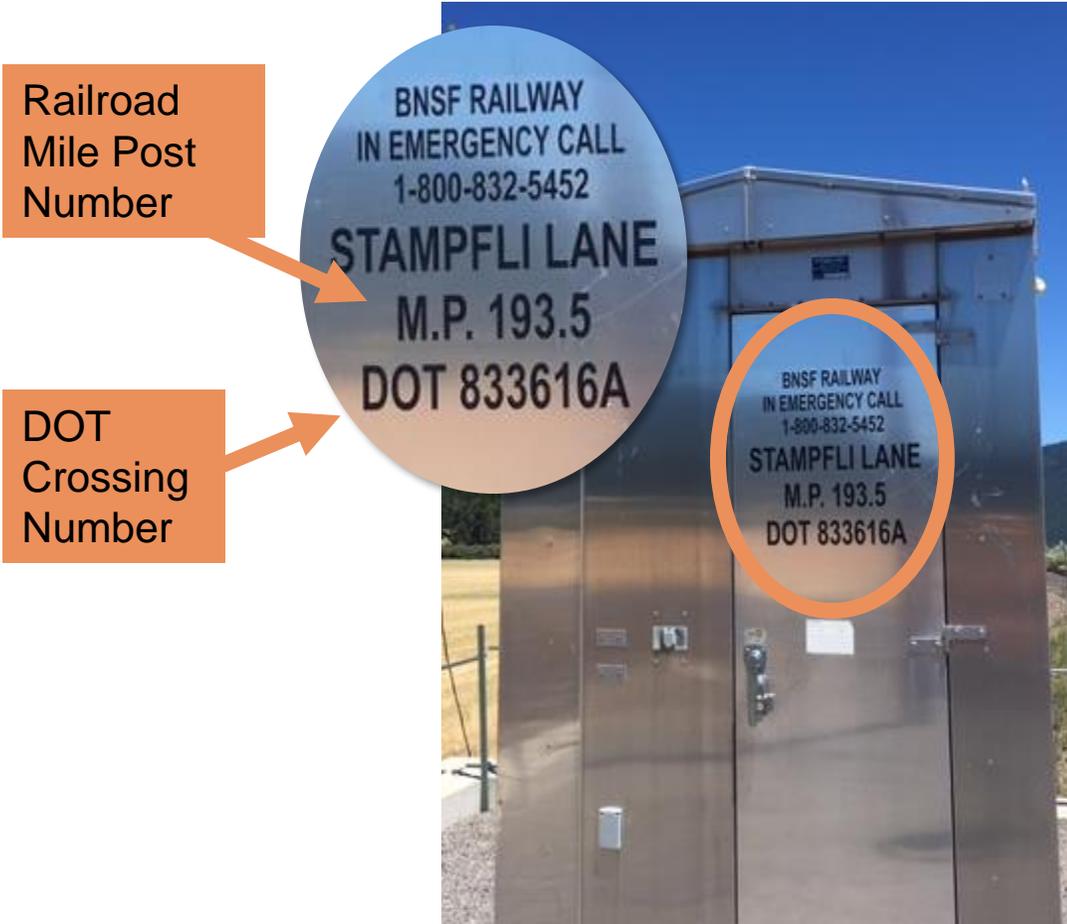
Preplanning for a Rail Hazmat Emergency

What Railroads Are In Your Area/Do You Know Whose Track It Is?



Rail Crossing Information

Call the railroad and report your location and situation



Railroad
Mile Post
Number

DOT
Crossing
Number



Emergency
Contact
Number

DOT
Crossing
Number

Information at Your Fingertips



Rail Crossing Locator (FRA)

(iOS and Android Devices)

- Emergency Notification
- Railroad Owner
- Crossing ID
- Milepost
- Speed Limits
- Collision Reports



Federal Railroad Administration (FRA) Geographic Information System (GIS)

Google Search = FRA GIS

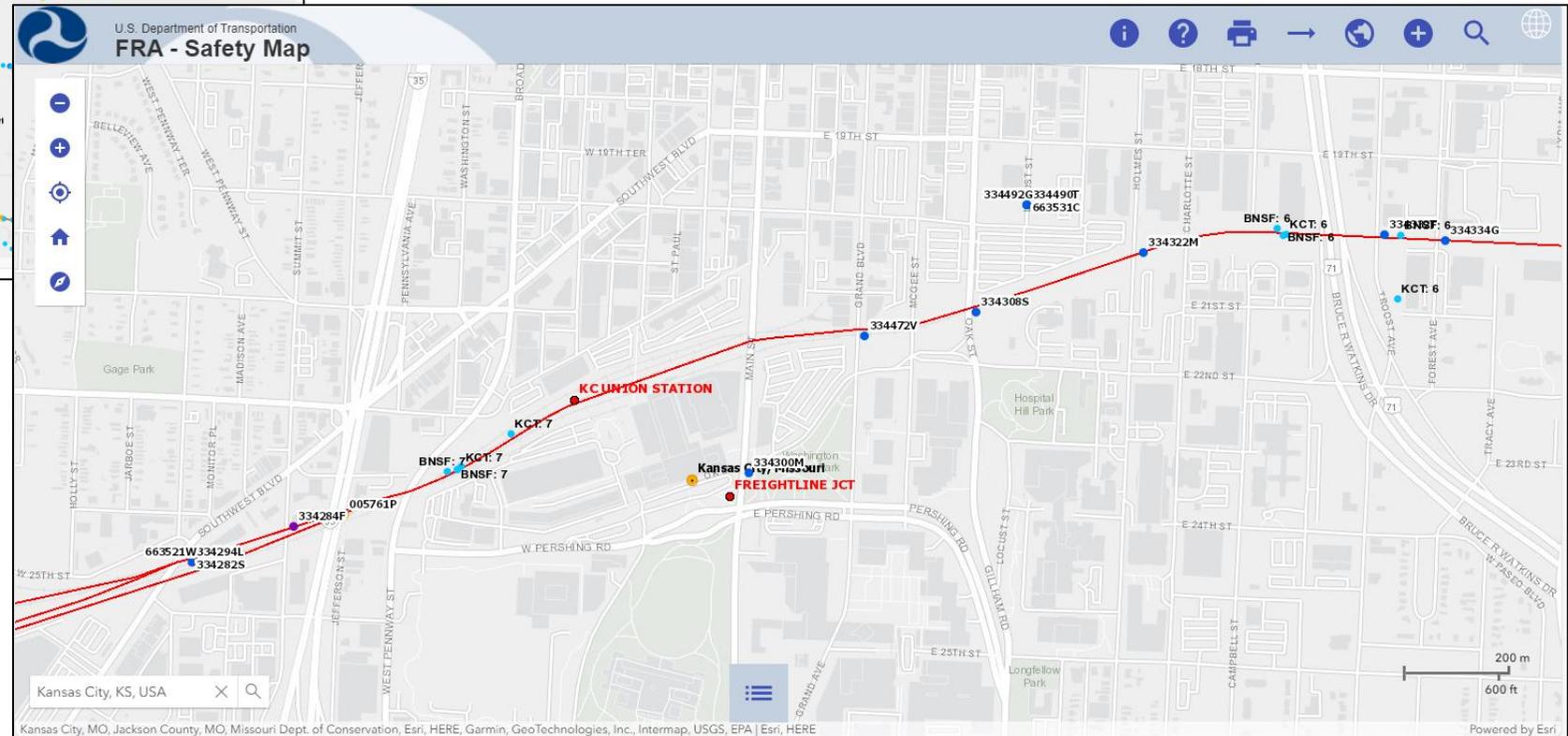
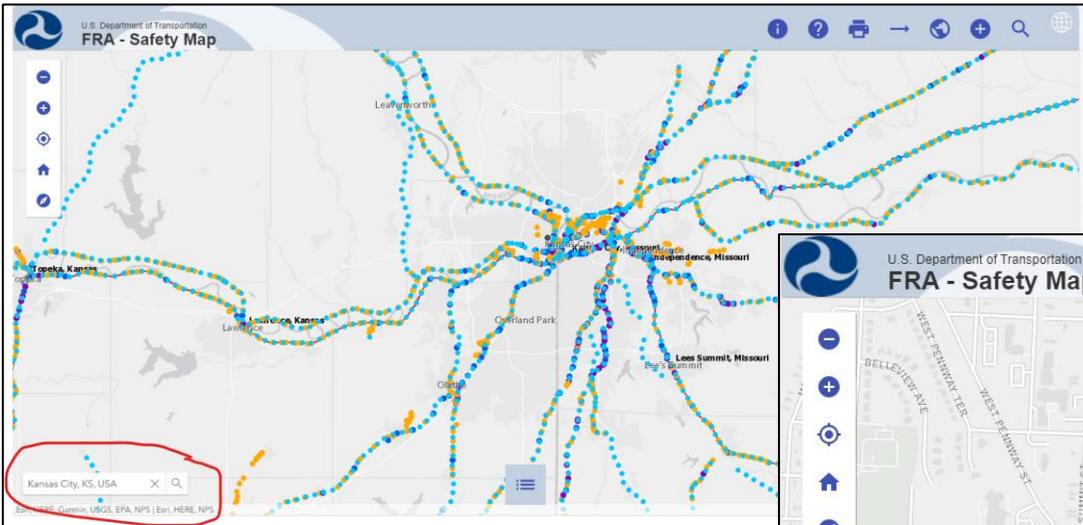
Google search results for "FRA GIS". The search bar contains "FRA GIS". The results list several links from the U.S. Department of Transportation (dot.gov):

- FRA's GIS Program**
FRA provides geospatial resources to the public on rail networks, including data on grade crossings, Amtrak stations, and more. This page contains information ...
- FRA - Safety Map**
Please enter a search term. 1000 km. 600 mi. FRA GIS Web ...
- User Guide**
FRA has updated the GIS web application to JavaScript API ...
- Crossing Viewer**
U.S. Department of Transportation. FRA - Crossing Viewer. app ...
- FRA/Class1s (MapServer)**
FRA/Class1s (MapServer) · BNSF (0) · UP (1) · CN (2) · CPRS (3 ...
- Folder**
Folder: FRA · FRA/Class1s (MapServer) · FRA ...

More results from dot.gov »

The screenshot shows the "FRA - Safety Map" web application. The header includes the U.S. Department of Transportation logo and the title "FRA - Safety Map". The map displays the continental United States with a network of red lines representing rail routes. Major cities are labeled, including Vancouver, Seattle, San Francisco, Los Angeles, Dallas, Houston, Atlanta, Chicago, Detroit, Philadelphia, Washington, Boston, Toronto, and Ottawa. The map also shows parts of Canada, Mexico, and the Caribbean Sea. A search bar at the bottom left contains the text "Find address or place". A scale bar at the bottom right indicates 1000 km and 600 mi. The map interface includes standard navigation controls like zoom in (+), zoom out (-), and a home button.

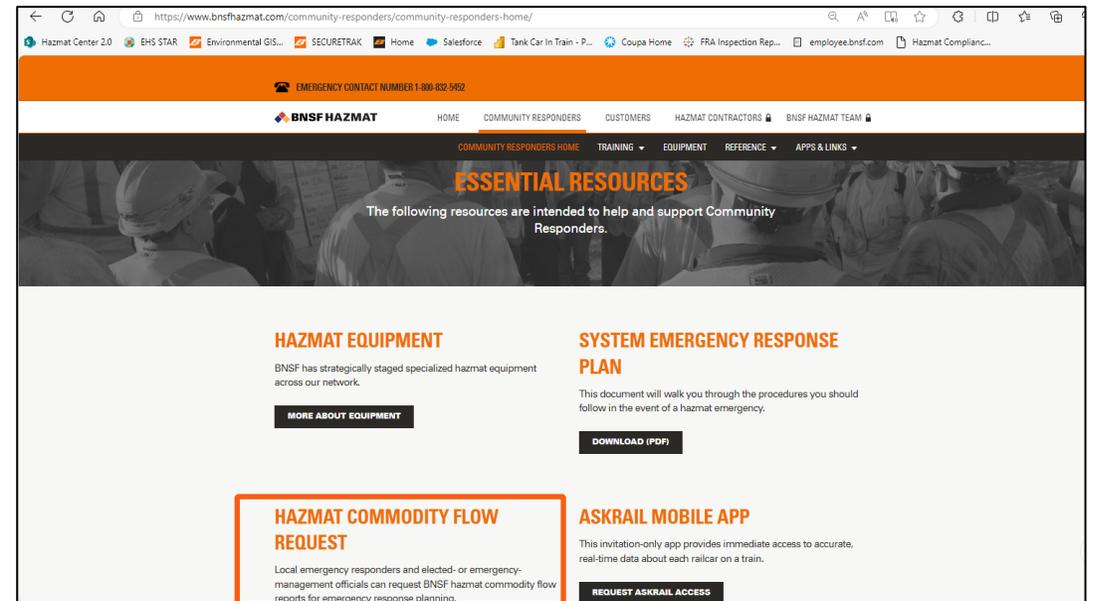
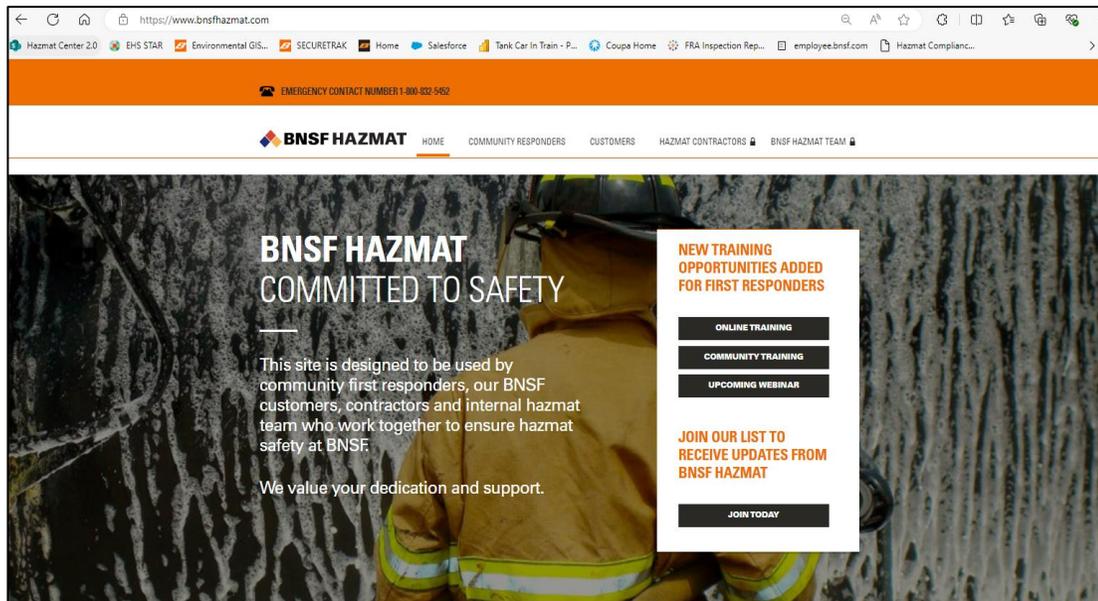
Federal Railroad Administration (FRA) Geographic Information System (GIS)



What are the Hazardous Materials that are being Transported via Rail?

Step 1 - Request a Hazmat Traffic Flow Report

BNSF = www.BNSFHazmat.com



Hazmat Traffic Flow Reports

- Security Sensitive Information (SSI)
Only provided to Emergency planning and response organizations for the expressed purpose of emergency and contingency planning
- Type of Reports
 - Specific Track
 - City
 - County
 - State
- Time Component
 - Quarter
 - Last 12 Months
- Format – Excel Spreadsheet



Hazmat Traffic Flow Reports

Step 2 - Analyze the data

SENSITIVE SECURITY INFORMATION (SSI) AND TRADE SECRET/BUSINESS CONFIDENTIAL INFORMATION – DO NOT DISCLOSE

STCC	UN/NA ID	Proper Shipping Name	ERG	DOT Haz Class	Residue Car	Loaded Car	Residue Intermodal	Loaded Intermodal	Total Loaded
4909152	1987	ALCOHOLS, N.O.S.	127	3	13117	12682	0	0	12682
4950130	0	FAK-HAZARDOUS MATERIALS	0		0	0	1	2795	2795
4910165	1267	PETROLEUM CRUDE OIL	128	3	2447	2546	0	0	2546
4961605	3257	ELEVATED TEMPERATURE LIQUID, N.O.S.	128	9	1637	2082	0	0	2082
4909159	1170	ETHANOL	127	3	1743	1718	0	0	1718
4909230	1230	METHANOL	131	3	135	1491	0	0	1491
4905431	1075	PETROLEUM GASES, LIQUEFIED	115	2.1	13	1465	0	0	1465
4910240	1170	ETHANOL	127	3	1413	1232	0	0	1232
4907270	1301	VINYL ACETATE, STABILIZED	129	3	873	864	0	0	864
4905421	1075	PROPANE	115	2.1	780	772	0	0	772
4906333	1202	DIESEL FUEL	128	3	630	675	0	0	675
4935240	1824	SODIUM HYDROXIDE SOLUTION	154	8	631	650	0	0	650
4960189	3082	ENVIRONMENTALLY HAZARDOUS SUBSTAN	171	9	938	643	0	0	643
4930040	1830	SULFURIC ACID	137	8	314	490	0	0	490
4908255	1265	PENTANES	128	3	355	430	0	3	433
4905430	1075	ISOBUTANE	115	2.1	21	396	0	0	396
4860130	3077	HAZARDOUS WASTE, SOLID, N.O.S.	171	9	0	363	0	0	363
4907265	2055	STYRENE MONOMER, STABILIZED	128	3	337	308	0	0	308
4910102	3065	ALCOHOLIC BEVERAGES	127	3	220	299	0	0	299
4932348	2693	BISULFITES, AQUEOUS SOLUTIONS, N.O.S.	154	8	267	297	0	0	297
4931303	2789	ACETIC ACID, GLACIAL	132	8	168	288	0	0	288
4930042	1832	SULFURIC ACID, SPENT	137	8	254	274	0	0	274



Hazmat Traffic Flow Reports

Sorted by Total Loaded Shipments

STCC	UN/NA ID	Proper Shipping Name	ERG	DOT Haz Class	Residue Car	Loaded Car	Residue Intermodal	Loaded Intermodal	Total Loaded
4909152	1987	ALCOHOLS, N.O.S.	127	3	13117	12682	0	0	12682
4950130	0	FAK-HAZARDOUS MATERIALS	0		0	0	1	2795	2795
4910165	1267	PETROLEUM CRUDE OIL	128	3	2447	2546	0	0	2546
4961605	3257	ELEVATED TEMPERATURE LIQUID, N.O.S.	128	9	1637	2082	0	0	2082
4909159	1170	ETHANOL	127	3	1743	1718	0	0	1718
4909230	1230	METHANOL	131	3	135	1491	0	0	1491
4905431	1075	PETROLEUM GASES, LIQUEFIED	115	2.1	13	1465	0	0	1465
4910240	1170	ETHANOL	127	3	1413	1232	0	0	1232
4907270	1301	VINYL ACETATE, STABILIZED	129	3	873	864	0	0	864
4905421	1075	PROPANE	115	2.1	780	772	0	0	772
4906333	1202	DIESEL FUEL	128	3	630	675	0	0	675
4935240	1824	SODIUM HYDROXIDE SOLUTION	154	8	631	650	0	0	650
4960189	3082	ENVIRONMENTALLY HAZARDOUS SUBSTAN	171	9	938	643	0	0	643
4930040	1830	SULFURIC ACID	137	8	314	490	0	0	490
4908255	1265	PENTANES	128	3	355	430	0	3	433
4905430	1075	ISOBUTANE	115	2.1	21	396	0	0	396
4860130	3077	HAZARDOUS WASTE, SOLID, N.O.S.	171	9	0	363	0	0	363
4907265	2055	STYRENE MONOMER, STABILIZED	128	3	337	308	0	0	308
4910102	3065	ALCOHOLIC BEVERAGES	127	3	220	299	0	0	299
4932348	2693	BISULFITES, AQUEOUS SOLUTIONS, N.O.S.	154	8	267	297	0	0	297
4931303	2789	ACETIC ACID, GLACIAL	132	8	168	288	0	0	288
4930042	1832	SULFURIC ACID, SPENT	137	8	254	274	0	0	274
4905423	1075	BUTANE	115	2.1	35	268	0	0	268

Hazmat Traffic Flow Reports –What is Freight All Kinds (FAK)

UN/NA ID Number	Proper Shipping Name
UN1956	COMPRESSED GAS, N.O.S.
UN1057	LIGHTERS
UN3268	AIR BAG MODULES
UN1219	ISOPROPANOL
UN0044	PRIMERS, CAP TYPE
UN0509	POWDER, SMOKELESS
UN1263	PAINT RELATED MATERIAL
UN1950	AEROSOLS
UN2794	BATTERIES, WET, FILLED WITH ACID
UN1170	ETHANOL
UN1993	FLAMMABLE LIQUIDS, N.O.S.
UN1090	ACETONE
UN1263	PAINT
UN3149	HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE, STABILIZED
UN1197	EXTRACTS, FLAVORING, LIQUID
UN3164	ARTICLES, PRESSURIZED PNEUMATIC
UN1760	CORROSIVE LIQUIDS, N.O.S.
UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.
UN1648	ACETONITRILE
UN1133	ADHESIVES

Top 20 FAK



Hazmat Traffic Flow Reports

Sorted by Hazard Class – Poison Gases (DOT Division 2.3)

4905748	1055	ISOBUTYLENE	115	2.1	2	23	0	0	23
4905424	1075	BUTANE	115	2.1	3	7	0	0	7
4905761	1063	METHYL CHLORIDE	115	2.1	5	7	0	0	7
4905753	1075	ISOBUTANE	115	2.1	3	3	0	0	3
4905704	1010	BUTADIENES, STABILIZED	116	2.1	0	1	0	0	1
4905540	1083	TRIMETHYLAMINE, ANHYDROUS	118	2.1	0	1	0	0	1
4905716	1030	1,1-DIFLUOROETHANE	115	2.1	3	0	0	0	0
4905439	1075	LIQUEFIED PETROLEUM GAS	115	2.1	9	0	0	0	0
4905414	1061	METHYLAMINE, ANHYDROUS	118	2.1	1	0	0	0	0
4905417	1075	PETROLEUM GASES, LIQUEFIED	115	2.1	9	0	0	0	0
4905781	1978	PROPANE	115	2.1	57	0	0	0	0
4905782	1077	PROPYLENE	115	2.1	5	0	0	0	0
4905784	1075	PROPYLENE	115	2.1	176	0	0	0	0
4905792	1086	VINYL CHLORIDE, STABILIZED	116	2.1	16	0	0	0	0
4904503	1951	ARGON, REFRIGERATED LIQUID	120	2.2	136	213	0	0	213
4904304	3159	1,1,1,2-TETRAFLUOROETHANE	126	2.2	15	18	0	0	18
4904210	1005	AMMONIA, ANHYDROUS	125	2.2	24	1	0	0	1
4904509	2187	CARBON DIOXIDE, REFRIGERATED LIQUID	120	2.2	26	1	0	0	1
4920353	1040	ETHYLENE OXIDE	119	2.3	62	64	0	0	64
4920523	1017	CHLORINE	124	2.3	93	53	0	0	53
4920355	1064	METHYL MERCAPTAN	117	2.3	20	47	0	0	47
4920508	1079	SULFUR DIOXIDE	125	2.3	0	1	0	0	1
4920359	1005	AMMONIA, ANHYDROUS	125	2.3	1	0	0	0	0
									165



Hazmat Traffic Flow Reports

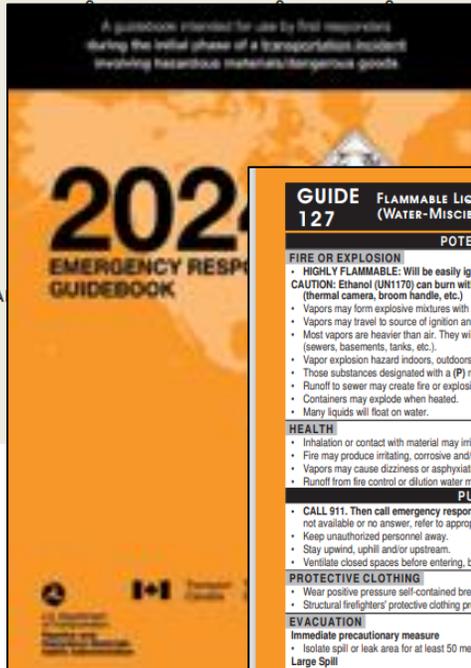
Sorted by Hazard Class – Flammable Liquid (DOT Class 3)

Page 1 of 12

STCC	UN/NA ID	Proper Shipping Name	ERG	DOT Haz Class	Residue Car	Loaded Car	Residue Intermodal	Loaded Intermodal	Total Loaded
4920355	1064	METHYL MERCAPTAN	117	2.3	20	47	0	0	47
4920508	1079	SULFUR DIOXIDE	125	2.3	0	1	0	0	1
4920359	1005	AMMONIA, ANHYDROUS	125	2.3	1	0	0	0	0
4909152	1987	ALCOHOLS, N.O.S.	127	3	13117	12682	0	0	12682
4910165	1267	PETROLEUM CRUDE OIL	128	3	2447	2546	0	0	2546
4909159	1170	ETHANOL	127	3	1743	1718	0	0	1718
4909230	1230	METHANOL	131	3	135	1491	0	0	1491
4910240	1170	ETHANOL	127	3	1413	1232	0	0	1232
4907270	1301	VINYL ACETATE, STABILIZED	129	3	873	864	0	0	864
4906333	1202	DIESEL FUEL	128	3	630	675	0	0	675
4908255	1265	PENTANES	128	3	355	430	0	3	433
4907265	2055	STYRENE MONOMER, STABILIZED	128	3	337	308	0	0	308
4910102	3065	ALCOHOLIC BEVERAGES	127	3	220	299	0	0	299
4910191	1267	PETROLEUM CRUDE OIL	128	3	65	264	0	0	264
4908182	2370	1-HEXENE	128	3	92	256	0	0	256
4912280	3295	HYDROCARBONS, LIQUID, N.O.S.	128	3	3	192	0	0	192
4910256	1268	PETROLEUM DISTILLATES, N.O.S.	128	3	47	176	0	0	176
4909267	1274	N-PROPANOL	129	3	138	167	0	0	167
4908105	1090	ACETONE	127	3	92	150	0	0	150
4907230	1218	ISOPRENE, STABILIZED	130	3	121	131	0	0	131
4909348	1307	XYLENES	130	3	5	116	0	0	116
4908180	3475	ETHANOL AND GASOLINE MIXTURE	127	3	114	108	0	0	108
4909130	1120	BUTANOLS	129	3	90	91	0	0	91
4908119	1129	BUTYRALDEHYDE	129	3	82	91	0	0	91
4909268	1276	N-PROPYL ACETATE	129	3	79	91	0	0	91

What are the Hazardous Materials that are being Transported via Rail?

STCC	UN/NA ID	Proper Shipping Name	ERG	DOT Haz Class	Residue Car	Loaded Car	Residue Intermodal	Loaded Intermodal	Total Loaded
4909152	1987	ALCOHOLS, N.O.S.		127 3	13117	12682	0	0	12682
4950130	0	FAK-HAZARDOUS MATERIALS					1	2795	2795
4910165	1267	PETROLEUM CRUDE OIL					0	0	2546
4961605	3257	ELEVATED TEMPERATURE LIQUID, N.O.S.					0	0	2082
4909159	1170	ETHANOL					0	0	1718
4909230	1230	METHANOL					0	0	1491
4905431	1075	PETROLEUM GASES, LIQUEFIED					0	0	1465
4910240	1170	ETHANOL					0	0	1232
4907270	1301	VINYL ACETATE, STABILIZED							
4905421	1075	PROPANE							
4906333	1202	DIESEL FUEL							
4935240	1824	SODIUM HYDROXIDE SOLUTION							
4960189	3082	ENVIRONMENTALLY HAZARDOUS SUBSTA							
4930040	1830	SULFURIC ACID							
4908255	1265	PENTANES							
4905430	1075	ISOBUTANE							
4860130	3077	HAZARDOUS WASTE, SOLID, N.O.S.							
4907265	2055	STYRENE MONOMER, STABILIZED							



GUIDE 127 FLAMMABLE LIQUIDS (WATER-MISCIBLE)

POTENTIAL HAZARDS

FIRE OR EXPLOSION

- HIGHLY FLAMMABLE:** Will be easily ignited by heat, sparks or flames.
- CAUTION:** Ethanol (UN1170) can burn with an invisible flame. Use an alternate method of detection (thermal camera, broom handle, etc.)
- Vapors may form explosive mixtures with air.
- Vapors may travel to source of ignition and flash back.
- Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks, etc.).
- Vapor explosion hazard indoors, outdoors or in sewers.
- Those substances designated with a (P) may polymerize explosively when heated or involved in a fire.
- Ruflow to sewer may create fire or explosion hazard.
- Containers may explode when heated.
- Many liquids will float on water.

HEALTH

- Inhalation or contact with material may irritate or burn skin and eyes.
- Fire may produce irritating, corrosive and/or toxic gases.
- Vapors may cause dizziness or asphyxiation, especially when in closed or confined areas.
- Ruflow from fire control or dilution water may cause environmental contamination.

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.
- Ventilate closed spaces before entering, but only if properly trained and equipped.

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 50 meters (150 feet) in all directions.

Large Spill

- Consider initial downwind evacuation for at least 300 meters (1000 feet).

Fire

- If tank, rail tank car or highway tank is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

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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.
- Ventilate closed spaces before entering, but only if properly trained and equipped.

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 50 meters (150 feet) in all directions.

Large Spill

- Consider initial downwind evacuation for at least 300 meters (1000 feet).

Fire

- If tank, rail tank car or highway tank is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.

What are the Hazardous Materials that are being Transported via Rail?

Deeper Dives Could be used for 1st Responders Monthly Meetings

Alcohols, NOS/Denatured Alcohol/Ethanol

- Flammability is the primary hazard
 - Flash Point = 55°F
 - Flammable Range = 3.3% to 19%
- Vapors are heavier than air (Vapor Density = 1.59)
- Toxicity low (ingestion and inhalation)
- Air monitoring – LEL meter and Photoionization Detector (PID)
- PPE – Bunker Gear
- Fire fighting foam must be “Alcohol Resistant” (AR-AFFF)
- Miscible in water and still flammable at 50:50 water to ethanol



Essential Resources

www.BNSFHazmat.com

EMERGENCY CONTACT NUMBER 1-800-832-562

BNSF HAZMAT HOME COMMUNITY RESPONDERS CUSTOMERS HAZMAT CONTRACTORS BNSF HAZMAT TEAM

COMMUNITY RESPONDERS HOME TRAINING EQUIPMENT REFERENCE APPS & LINKS

ESSENTIAL RESOURCES

The following resources are intended to help and support Community Responders.

HAZMAT EQUIPMENT

BNSF has strategically staged specialized hazmat equipment across our network.

[MORE ABOUT EQUIPMENT](#)

SYSTEM EMERGENCY RESPONSE PLAN

This document will walk you through the procedures you should follow in the event of a hazmat emergency.

[DOWNLOAD \(PDF\)](#)

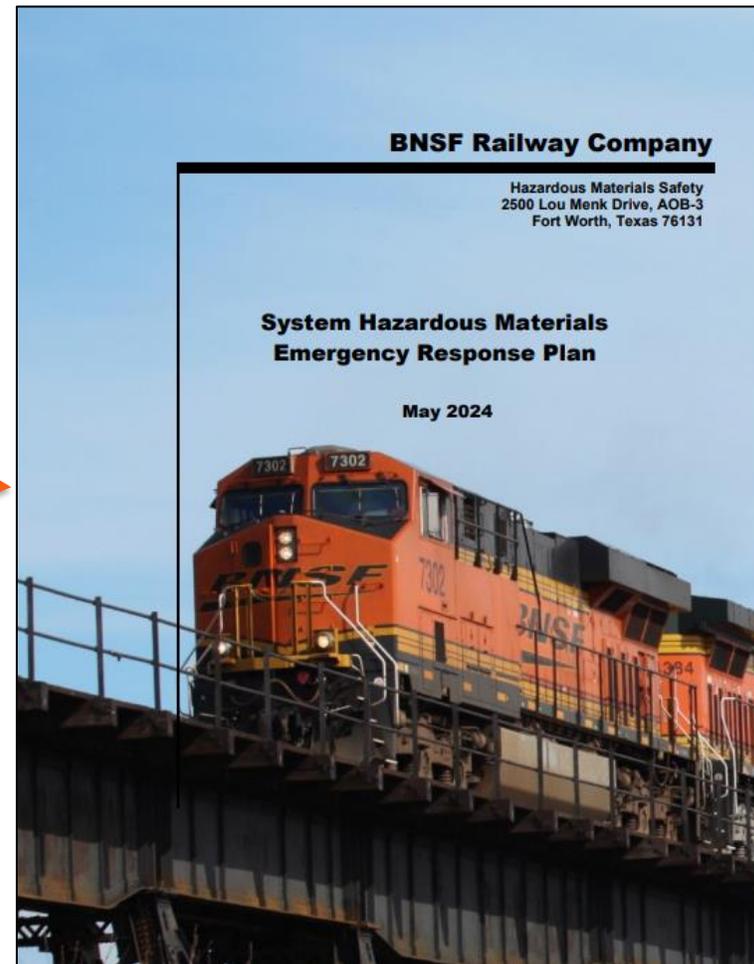
HAZMAT COMMODITY FLOW REQUEST

Local emergency responders and elected- or emergency-management officials can request BNSF hazmat commodity flow reports for emergency response planning.

ASKRAIL MOBILE APP

This invitation-only app provides immediate access to accurate, real-time data about each railcar on a train.

[REQUEST ASKRAIL ACCESS](#)



Essential Resources

www.BNSFHazmat.com

HAZMAT EQUIPMENT
BNSF has strategically staged specialized hazmat equipment across our network.
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BNSF-Owned Fire Equipment
Fire Trailer

BNSF Hazmat Territories

- Clay Reid (Director Hazmat East)
- Derek Lamplin
- Mike Sheehan
- Paul Hester
- Justin Piper (Director Hazmat West)
- James Farmer
- Jeff Hankins

0 150 300 Miles

Fire Trailers HAZMAT Resources

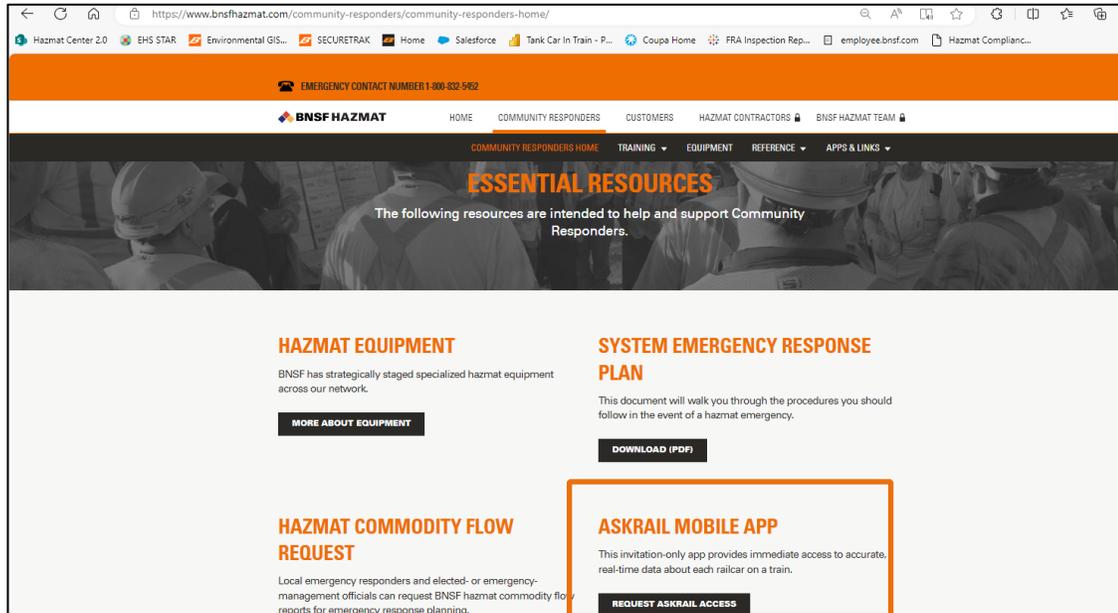
EQUIPMENT LOCATORS

The following equipment is available to support you in the field. Click on each item to see a map that pinpoints its location:

- [Fire Foam Application Trailers](#)
- [Breathing Air Trailers](#)
- [Oil Spill Emergency Response Trailers](#)
- [Training Trailers](#)
- [Incident Command/Communication Trailers](#)
- [Command Assets](#)
- [Capping Kit Resources](#)
- [Wildland Trailers](#)

Essential Resources

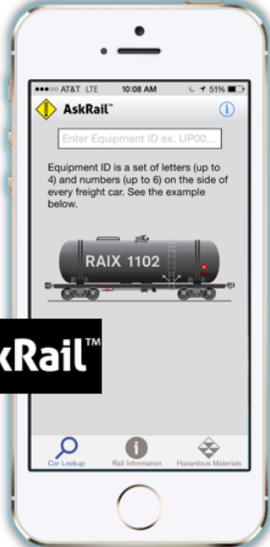
www.BNSFHAZMAT.com



Still Don't Know? Then AskRail!

The AskRail mobile application serves emergency responders who arrive first to the scene of a rail emergency and need critical information about the contents of a railcar.

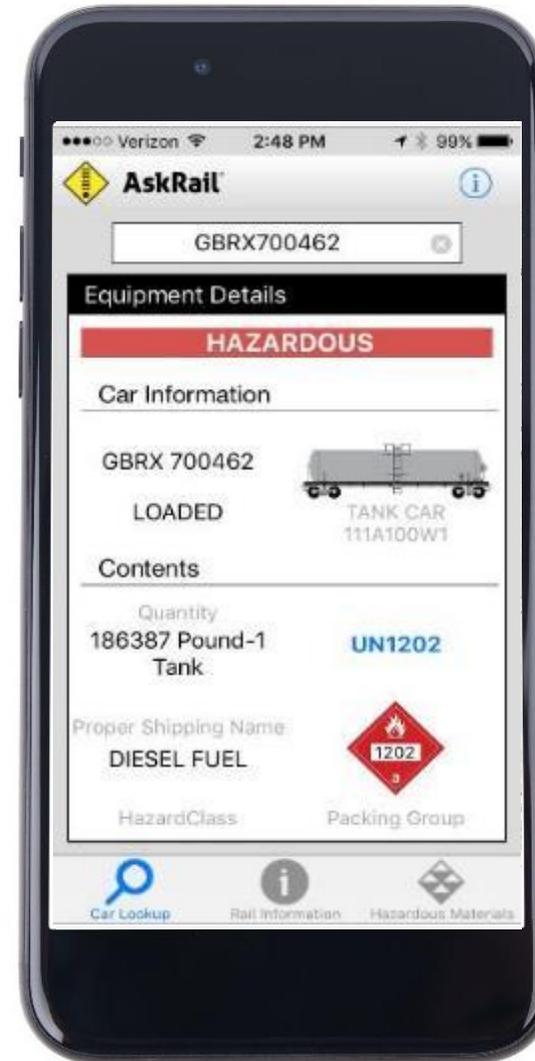
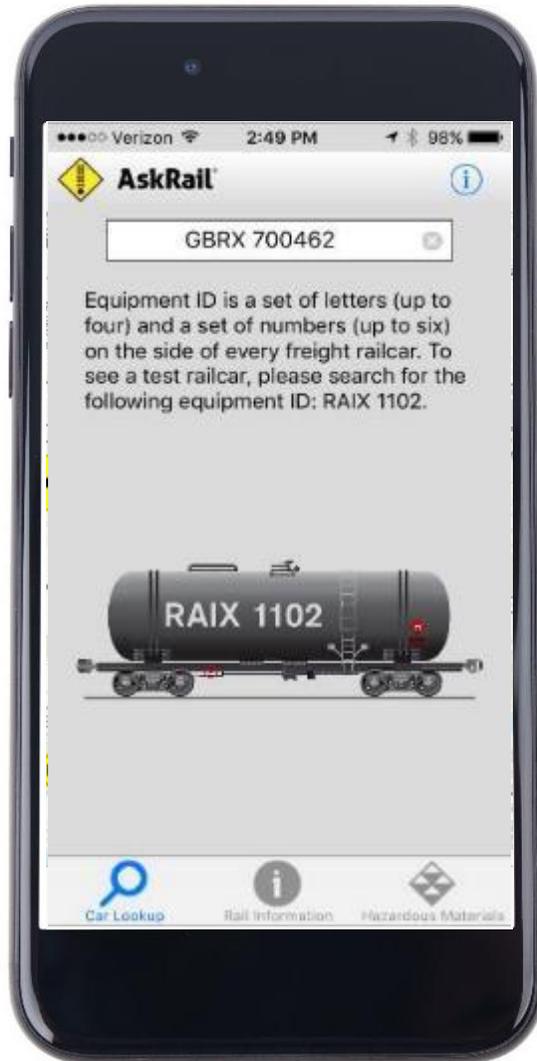
This invitation-only mobile application provides immediate access to accurate, real-time data about individual railcars on a train. This data can help emergency responders make informed decisions about how to respond on the scene of a rail emergency.



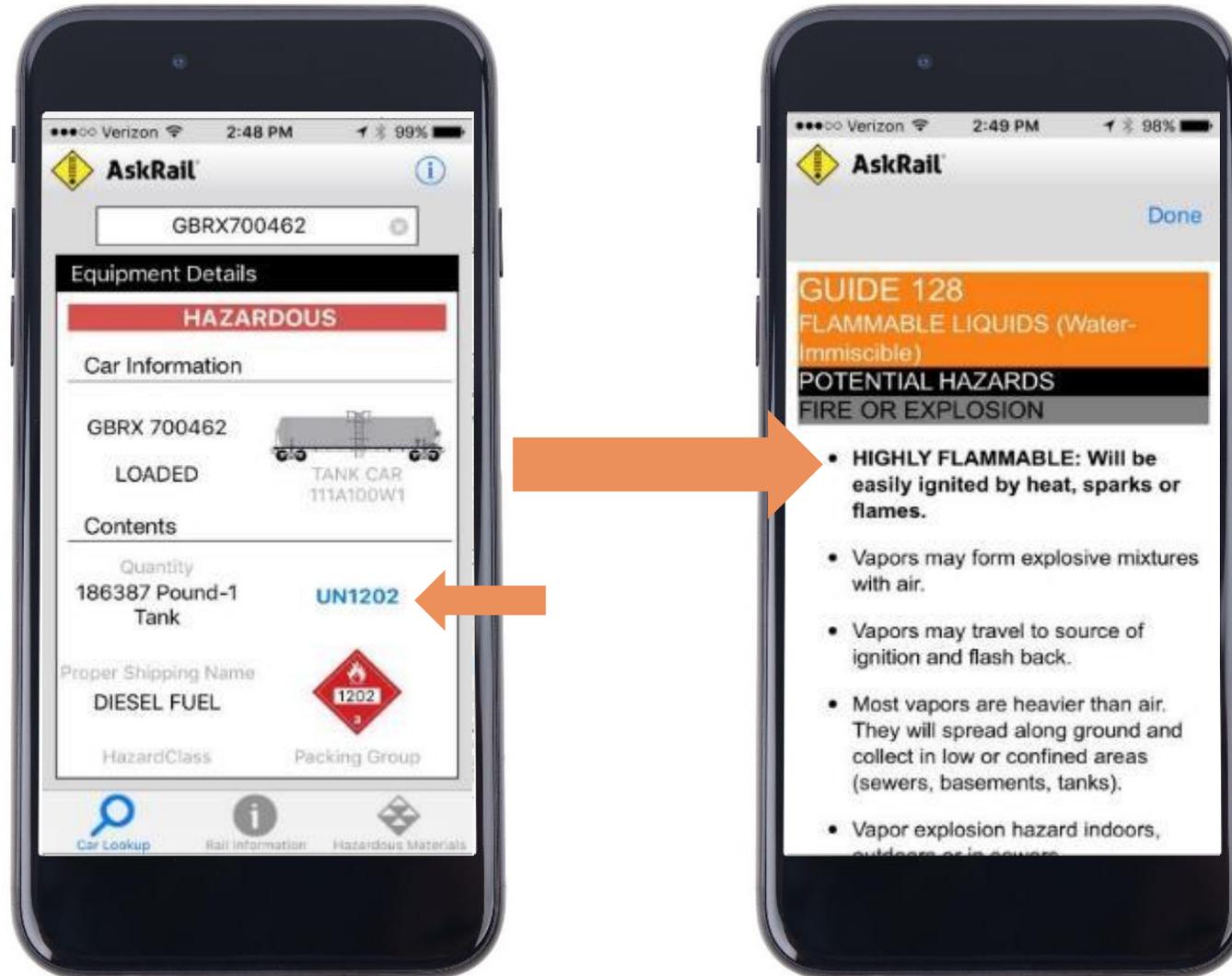
AskRail Video



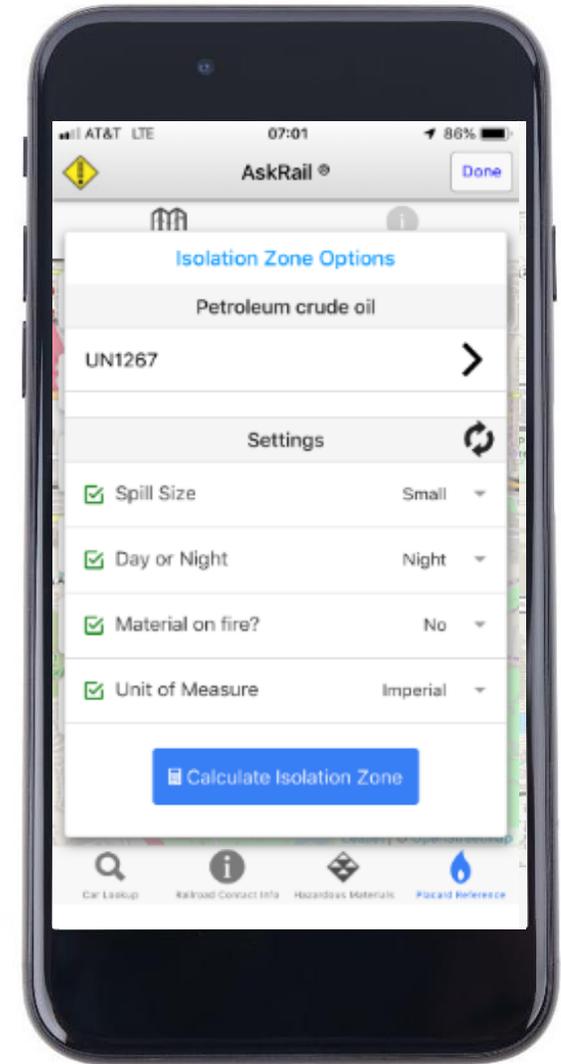
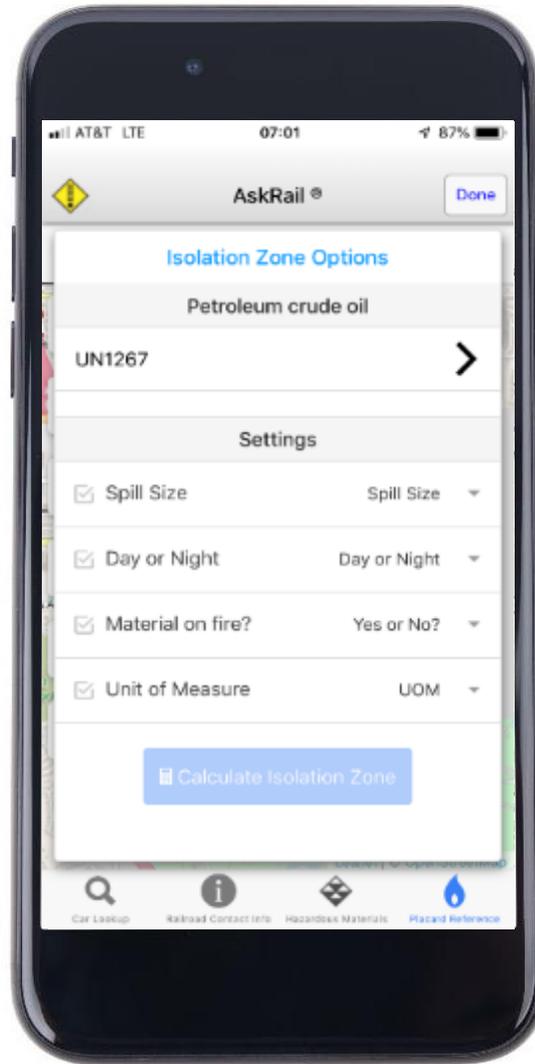
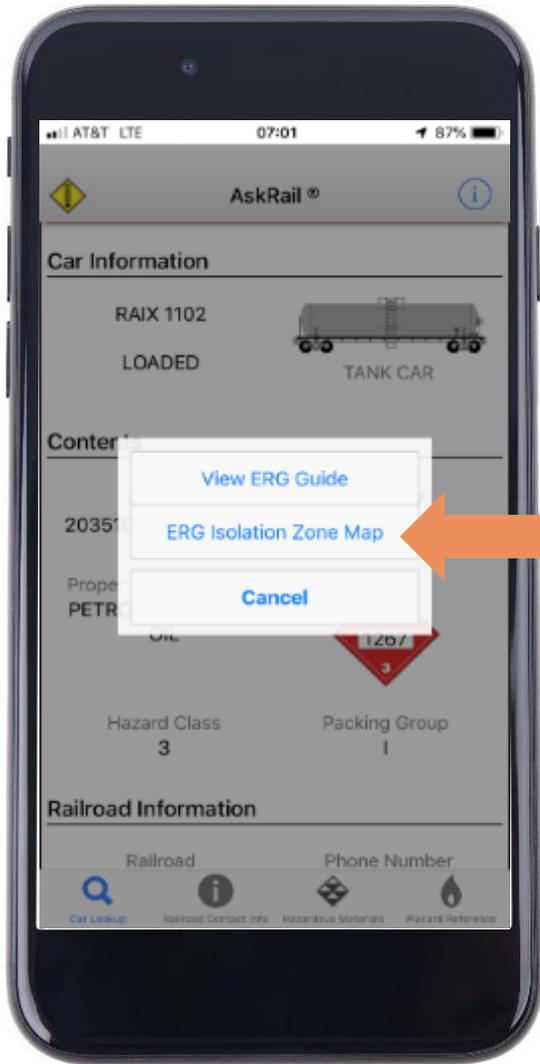
AskRail - Single Car Lookup



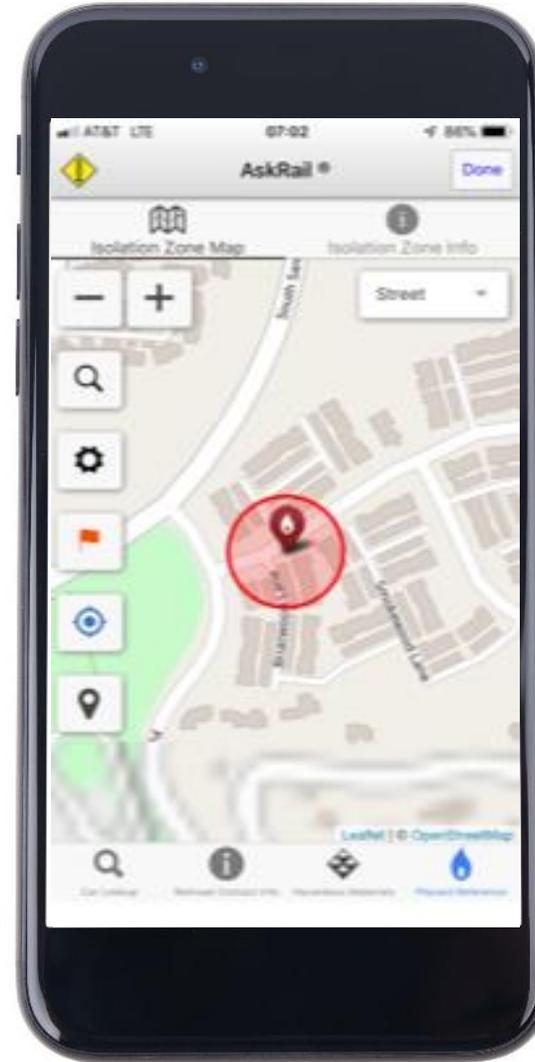
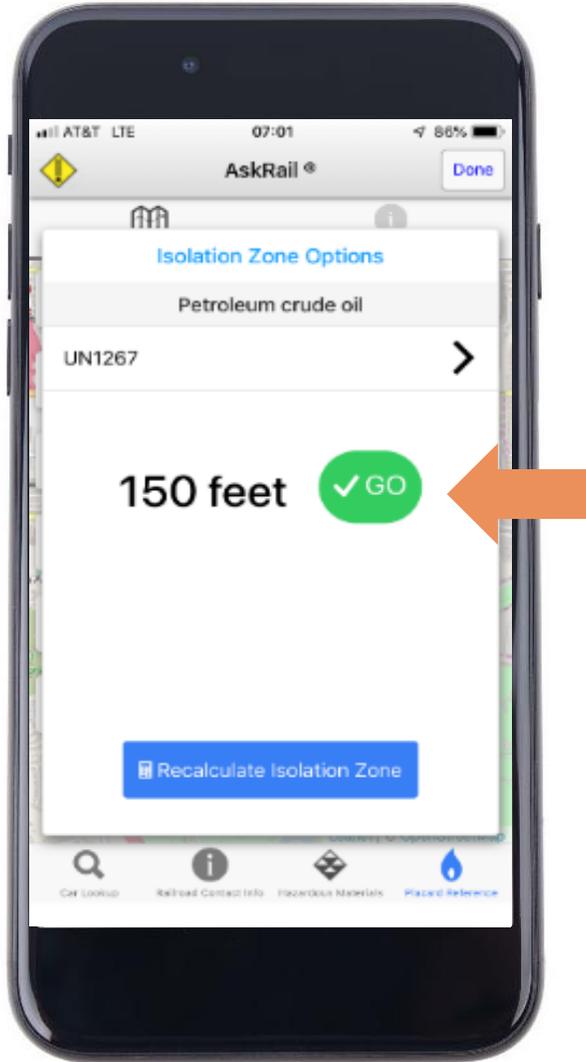
AskRail - View Response Guide



AskRail – ERG Isolation Zone



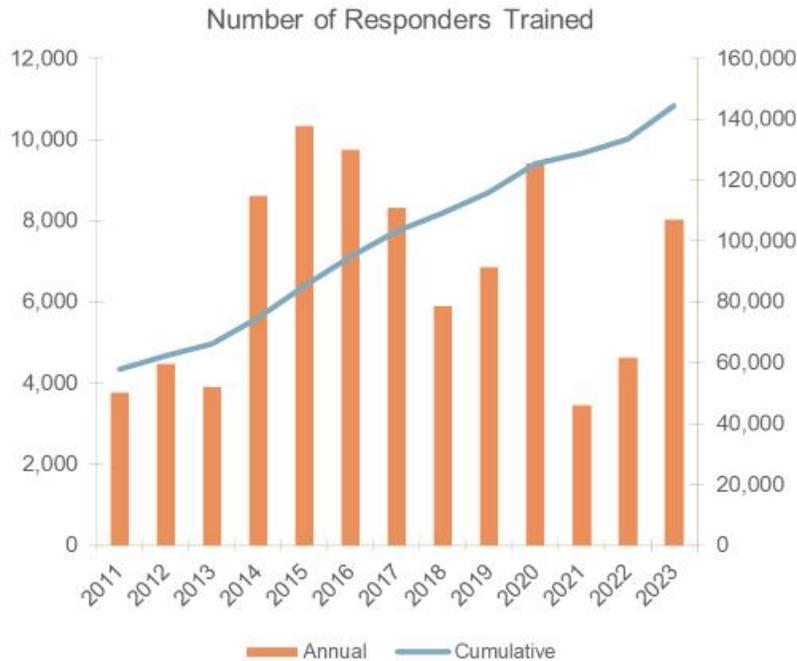
AskRail – ERG Isolation Zone



Community focus is on training responders and providing interpretative information for a safe response

Training - Community

- Over 144,000 First Responders Trained since 1996
- In person training with or w/out Training Rail cars
- Web Based Training via BNSFHAZMAT.com
- Webinars





www.BNSFHazmat.com

Browser navigation bar showing address <https://www.bnsfhazmat.com> and various site icons including Hazmat Center 2.0, EHS STAR, Environmental GIS..., SECURETRAK, Home, Salesforce, Tank Car In Train - P..., Coupa Home, FRA Inspection Rep..., employee.bnsf.com, and Hazmat Complianc... Below the navigation bar is an orange banner with the text: **EMERGENCY CONTACT NUMBER 1-800-832-5452**

- BNSF HAZMAT**
- HOME
- COMMUNITY RESPONDERS
- CUSTOMERS
- HAZMAT CONTRACTORS 🔒
- BNSF HAZMAT TEAM 🔒

BNSF HAZMAT COMMITTED TO SAFETY

This site is designed to be used by community first responders, our BNSF customers, contractors and internal hazmat team who work together to ensure hazmat safety at BNSF.

We value your dedication and support.

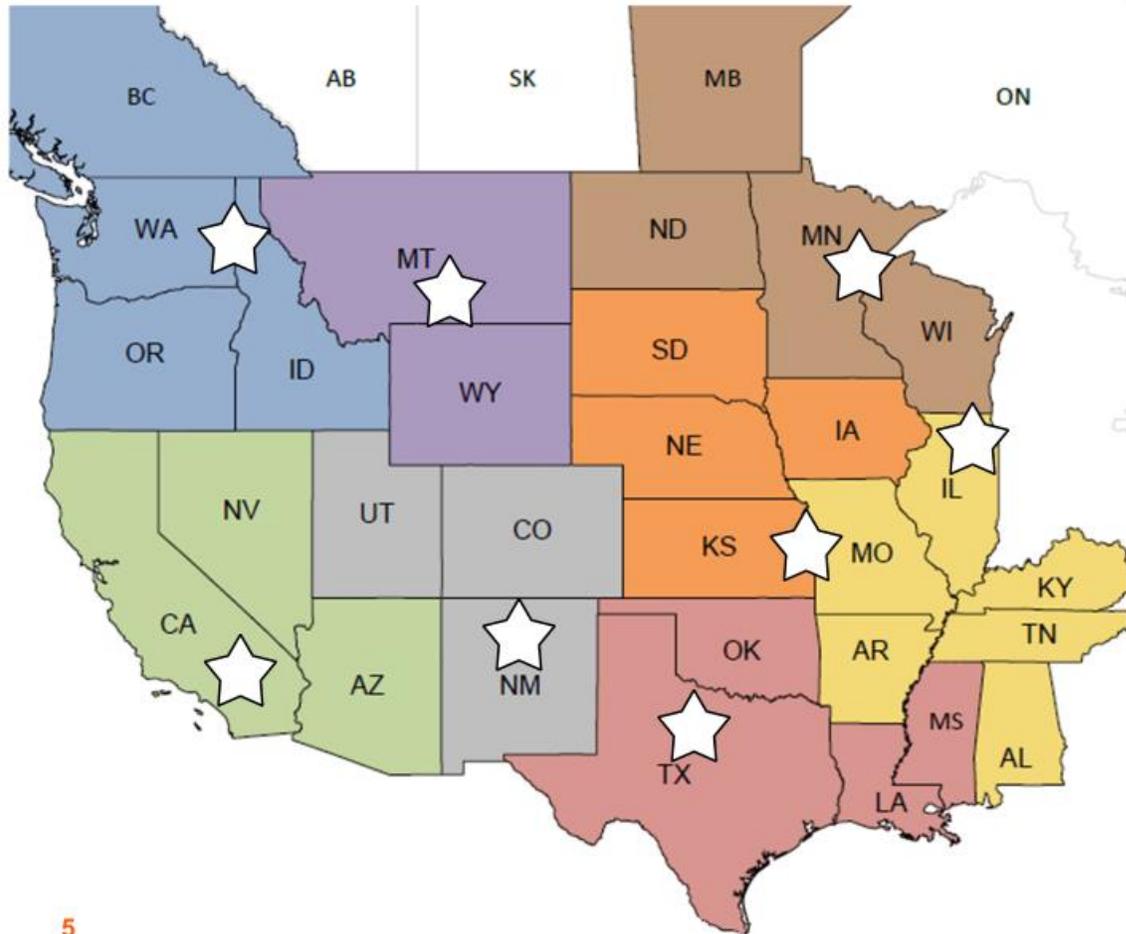
NEW TRAINING OPPORTUNITIES ADDED FOR FIRST RESPONDERS

- ONLINE TRAINING
- COMMUNITY TRAINING
- UPCOMING WEBINAR

JOIN OUR LIST TO RECEIVE UPDATES FROM BNSF HAZMAT

JOIN TODAY

HAZMAT Manager Region Map



HazMat - System Wide
<p>Patrick Brady</p> <p>General Director – Hazardous Materials Safety 2500 Lou Menk Drive AOB-3 Fort Worth, TX 76131 Office: 817-352-3652 Mobile: 817-821-1325 patrick.brady@bnsf.com</p>
<p>Nic Winslow</p> <p>Manager, HazMat Planning 2902 Montana Ave. Billings, MT 59101 Office: 406-256-4063 Mobile: 406-202-8051 dominic.winslow@bnsf.com</p>
<p>Emily Spears</p> <p>Manager, HazMat Compliance 2500 Lou Menk Drive AOB-3 Fort Worth, TX 76131 Office: 817-352-2398 Mobile: 817-944-0460 emily.spears@bnsf.com</p>

HazMat - West Region
<p>Justin Piper</p> <p>Director-Hazardous Materials Safety 5310 E. Trent Ave. Spokane, WA 99212 Office: 360-418-6268 Mobile: 360-553-8672 justin.piper@bnsf.com</p>
<p>James Farner</p> <p>Manager, HazMat Field Ops and ER 3770 E. 26th Street Vernon, CA 90058 Office: 323-267-4103 Mobile: 909-267-5167 james.farner@bnsf.com</p>
<p>Jeff Hankins</p> <p>Manager, HazMat Field Ops and ER 1624 1st St. NW Albuquerque, NM 87102 Office: 505-767-6847 Mobile: 505-218-3582 jeffrey.hankins2@bnsf.com</p>
<p>Peter Killman</p> <p>Manager, HazMat Field Ops and ER 2902 Montana Ave. Billings, MT 59101 Office: 406-256-4063 Mobile: 785-214-3248 peter.killman@bnsf.com</p>

HazMat – East Region
<p>Clay Reid</p> <p>Sr. Director-Hazardous Materials Safety 2500 Lou Menk Drive AOB-3 Fort Worth, TX 76131 Office: 817-352-7728 Mobile: 817-313-0592 clay.reid@bnsf.com</p>
<p>Derek Lampkin</p> <p>Manager, HazMat Field Ops and ER 4515 Kansas Ave. Kansas City, KS 66106 Office: 913-551-4153 Mobile: 612-760-1365 derek.lampkin@bnsf.com</p>
<p>Mike Sheehan</p> <p>Manager, HazMat Field Ops and ER 685 McClure Road Aurora, IL 60502 Office: 630-692-6363 Mobile: 509-430-6090 michael.sheehan@bnsf.com</p>
<p>Paul Hester</p> <p>Manager, HazMat Field Ops and ER 80 44th Avenue NE Minneapolis, MN 55421 Office: 763-782-3350 Mobile: 612-619-8641 paul.hester@bnsf.com</p>



Derailment Size-Up

Hazardous Materials Shipping Papers

Find the train crew!

- The conductor will have the most complete train list immediately available to you.
- Never trust paperwork found lying around on the floor of the locomotive or in an unoccupied caboose.
- All responding railroad officials should have copies of the train list or paperwork.
- If the train crew is disabled and unable to provide paperwork call the railroad 800-832-5452 and use ASKRAIL!

Use all the resources you have!



Do a Good Size-Up! Start Gathering Information

- What are your wind and weather conditions?
- Any smoke or vapor visible?
- Any liquids or leaks visible?
- What can the train crew or rail personnel tell you?
- What kind of rail cars do you see?
- Use the train list and rail car reporting marks (License Plate)?



Reporting Marks (aka - License Plate)



Where Do You Start?



What Cars are Derailed

```

K K EEEE Y Y TTTT RRRR AAA IIIII N N
K K E Y Y T R R A A I NN N
KKK ERE Y T RRRR AAAAA I N N N
K K E Y T R R A A I N NN
K K EEEE Y T R R A A IIIII N N

***** This Key Train is scheduled to operate *****
***** within designated municipal area limits. *****
* See applicable timetable speed restrictions while operating *
* this train within designated municipal area MP limits *
*****

TRNNB001 ***** Train Documents ***** 06/19/24
P M BRADY 09:22:15CT

Train N TULTEA3 18A Arrived MAVIA OK 06/19/24 0001 4 hr 8 min Late
N TULTEA3 18 Unit Train Set ID:
Opr
Head End Avl Dyn Dyn LKA Cum Loco Online D E ---Isolated---
Locos THP THP Brk Brk Hqp Axl Tons Dir Destin P M Cd From To
-----
BNSF 7977% 4400 4400 8 EP+ Y Y 6 210 SOUTH TEAGUE Y
BNSF 4759 4400 0 8 EP+ Y N 12 210 NRTH TEAGUE Y IC TULSOK MADILL
NS 4518% 5100 0 0 Y 18 216 NRTH TEAGUE N IC TULSOK MADILL
BNSF 7250% 4400 4400 8 EP+ Y Y 24 210 NRTH TEAGUE Y
Total 8800 24 846
Incl DPUs 8800 Actual THpT = 1.1 (8800 THP/7512 tons)
Scheduled THpT = .0

Seq Car L Contents Online J Grs Final Dest Cum N
Num Init Number Rnd E Want Dy Destin T RAJP Ton Consignee City ST Axl A
-----
Block TEA Setout TEAGUE TX
1 CHVX 290631 T97 L INDCHM HOUNYD PTR A 128 STOLTERMINA HOUSTON TX 28
2 CHVX 283230 T97 L INDCHM HOUNYD PTR A 115 STOLTERMINA HOUSTON TX 32
3 CFCX 205114 T97 L INDCHM HOUNYD PTR A 127 STOLTERMINA HOUSTON TX 36
EI HOLD EQUIPMENT INSTRUCTION
4 NATX 252569 T98 L INDCHM HOUNYD PTR A 125 STOLTERMINA HOUSTON TX 40
5 ATW 400644 G06 L MTLSCR BROWTX KCSM 137 INTERCFORWAR LAGRANGE NL 44
US-MANIFEST-ID 044231622024
ITN# X20240613348310
XM CUSTOMS DOCUMENTATION INTO MEXICO COMPLETED
6 BNSF 523255 GH6 L MTLSCR BROWTX KCSM 123 INTERCFORWAR MONTERREY NL 48
US-MANIFEST-ID 398241592024
ITN# X20240613342333
XM CUSTOMS DOCUMENTATION INTO MEXICO COMPLETED
7 BNSF 518285 G06 L MTLSCR BROWTX KCSM 129 INTERCFORWAR MONTERREY NL 52
US-MANIFEST-ID 904311592024
ITN# X20240613342333
XM CUSTOMS DOCUMENTATION INTO MEXICO COMPLETED
8 BNSF 518547 G06 L MTLSCR BROWTX KCSM 141 INTERCFORWAR LAGRANGE NL 56
US-MANIFEST-ID 105351632024
ITN# X20240613348310
XM CUSTOMS DOCUMENTATION INTO MEXICO COMPLETED
9 BNSF 523301 GH6 L MTLSCR BROWTX KCSM 128 INTERCFORWAR LAGRANGE NL 60
  
```

```

US-MANIFEST-ID 582301632024
ITN# X20240613348310
XM CUSTOMS DOCUMENTATION INTO MEXICO COMPLETED
10 DMIX 190662 T4F L CRNSYR HOUSTO 143 SWEETEX HOUSTON TX 64
ITN# X20240613348310
11 DMIX 191165 T4F L CRNSYR HOUSTO 143 SWEETEX HOUSTON TX 68
ITN# X20240613348310
12 TILX 170850 T4F L CRNSYR HOUSTO 143 SWEETEX HOUSTON TX 72
ITN# X20240613348310
13 VTGX 17193 T97 L CRNSYR HOUSTO 131 SWEETEX HOUSTON TX 76
ITN# X20240613348310
14 LRS 130402 BCF L CORNML HOUNYD PTR A 122 SGULPACLOGLL HOUSTON TX 80
ITN# X20240613348310
15 TR 19397 ACP L DRYBRA HOUNYD PTR A 140 JACINTINTLLC HOUSTON TX 84
ITN# X20240613348310
16 CTCX 250786 T98 L HAZMAT HOUNYD PTR A 123 HOUSTOFUBOIL HOUSTON TX 88
ITN# X20240613348310
N9 CLASS 9 MATERIAL
>>> KEY SHIPMENT (TWENTY) <<<

*****
* HAZMAT *
*****
EMERGENCY CONTACT: 8004249300
SHIPPER CONTACT: CCM201319

RAIL CONSIGNEE MERCURIA ENERGY AMERICA LLC
20 E GREENWAY PLAZA STE 650
HOUSTON TX 77046

RAIL SHIPPER HF SINCLAIR REFINING & MARKETING LL
393 SOUTH 800 WEST
WOODS CROSS UT 84087143

Block Totals 16 Cars 16 Loads 0 Empties 2098 Tons 962 Feet

Block TEAS Setout TEAGUE TX
17 GATX 6740 T97 E HAZMAT PASATX PTR A 27 ECOSEROPERAT HOUSTON TX 92
ITN# X20240613348310
CM CORROSIVE
DS DO NOT SPOT FOR LDG OTHER THAN HAZARDOUS LAST CONTAINED

*****
* HAZMAT *
*****
EMERGENCY CONTACT: 8004249300
SHIPPER CONTACT: CHEMTREC - 717208

RAIL CONSIGNEE ECO SERVICES OPERATIONS CORP
8615 MANCHESTER ST
HOUSTON TX 77012

RAIL SHIPPER FREEPORT-MCMORAN TYRONE MINING LLC
HWY 90S TYRONE MINE RD
TYRONE NM 88065

18 GATX 5638 T97 E HAZMAT PASATX PTR A 27 ECOSEROPERAT HOUSTON TX 96
ITN# X20240613348310
CM CORROSIVE
  
```

- Line 10 (DMIX 190662) and line 18 (GATX 5638) are not derailed
- Lines 11-17 derailed (7 cars)
- Two Hazmat cars
 - 16 - CTCX 250786 – load of Fuel Oil
 - 17 – GATX 6740 – residue of sulfuric acid

Mobile Train List (MTR) / Consist

Train Consist Details

2020-05-13 01:32:53

Train ID: H-KCKBARI-12L
 Work Order Number: 5561
 User ID: B742557
 Number of Cars Selected: 110
 Last Station Reported at: 1350 BELEN, NM

BNSF Railway Co.

Selected Equipment

PTC Loco	HP	HR	Dom	SRK	LXA	Comp	Loco D	Dir	C	Iso	In	Out
YES BNSF 5216	4400	4400	8	EP+	Y	N	6	210	West	0	RUN	RUN
YES BNSF 3877	4400	4400	8	EP+	Y	N	12	214	East	0	RUN	RUN
YES BNSF 9259	4400	4400	8	EP+	Y	Y	18	210	East	0	RUN	RUN

Seq Num	Init Num	Car Kind	L	COB	Online	J	Gr	Final City	Dest	Cur
1	CRDX 250167	T97	L	FATA	CD	STOCKTON	CA	22		
2	TILX 253590	T97	L	FATA	CD	STOCKTON	CA	26		
3	TILX 253588	T97	L	FATA	CD	STOCKTON	CA	30		
4	TILX 253377	T97	L	FATA	CD	FONTANA	CA	34		
5	TILX 253299	T97	L	FATA	CD	COMEJO	CA	38		



Power Header (Locomotives)

Train List Starts Here

*****Asterisks***** Mean HazMat Shipment!

HazMat Shipment



	TC	COMPLIES WITH CURRENT TANKCAR BUILD SPECIFICATI			
57	STX 3189	T4F	L CRNSYR WCOLTONCA	UP	141 TATELYLINGRE LOSANGELE CA 246
		IN	HTUA SPEED RESTRICTION MAY APPLY. SEE SSI.		
58	STX 61014	T4F	L CRNSYR WCOLTONCA	UP	141 TATELYLINGRE LOSANGELE CA 250
		IN	HTUA SPEED RESTRICTION MAY APPLY. SEE SSI.		
59	ADMX 15809	T97	L GLYCOL SANFESPRICA	106 BRENTPACIFI	SANFESPRI CA 254
		IN	HTUA SPEED RESTRICTION MAY APPLY. SEE SSI.		
60	ADMX 17374	T97	L GLYCOL VALVERDECA	101 AOCLLC	PERRIS CA 258
		IN	HTUA SPEED RESTRICTION MAY APPLY. SEE SSI.		
61	TILX 197298	TDI	L HAZMAT STOCKTONCA	OCT 155 KINERGY	STOCKTON CA 262
		FL	FLAMMABLE		
		IN	HTUA SPEED RESTRICTION MAY APPLY. SEE SSI.		
			>>> KEY SHIPMENT (TWENTY) <<<		

			* HAZMAT *	1 TK //	28727 GA
			*****	UN1987 //	ALCOHOLS
			EMERGENCY CONTACT: 1-800-424-9300	3	
			SHIPPER CONTACT: CHEMTREC/COH10914	PG II	
				HAZMAT STCC	4909152
			RAIL CONSIGNEE	RAIL SHIPPER	
			KINERGY	HUSKER AG MARKETING INC	
			400 CAPITAL MALL		
			SUITE 2060		
			STOCKTON CA 95206	BRESLAU NE	
62	SHPX 222958	T51	L HAZMAT STOCKTONCA	OCT 136 KINERGY	STOCKTON CA 266
		FL	FLAMMABLE		
		TC	COMPLIES WITH CURRENT TANKCAR BUILD SPECIFICATI		
			>>> KEY SHIPMENT (TWENTY) <<<		

			* HAZMAT *	1 TK //	29525 GA
			*****	UN1987 //	ALCOHOLS
			EMERGENCY CONTACT: 1-800-424-9300	3	
			SHIPPER CONTACT: CHEMTREC/COH10914	PG II	
				HAZMAT STCC	4909152
			RAIL CONSIGNEE	RAIL SHIPPER	
			KINERGY	HUSKER AG MARKETING INC	
			400 CAPITAL MALL		
			SUITE 2060		
			STOCKTON CA 95206	BRESLAU NE	

Example: Special Hazards

16 ACFX 86225 T6H E HAZMAT WATSON 32 SHELL WATSON CA 88
IH INHALATION HAZARD
PO POISON GAS

* HAZMAT *

EMERGENCY CONTACT: 800-424-9300
SHIPPER CONTACT: CHEMTREC

1 TNK //
RESIDUE: LAST CONTAINED //
UN1017 // CHLORINE
2.3 (8)
RQ (CHLORINE)
MARINE POLLUTANT (CHLORINE)
(POISON INHALATION HAZARD) ZONE B
HAZMAT STCC: 4920523

RAIL CONSIGNEE
SHELL CO
22473 INDUSTRIAL
WATSON CA 90744

RAIL SHIPPER
OXYCHEM
127 BLUEBONNET
PASADENA TX 77502

Special
Hazards



Crude Oil Train List



Head End Locomotives

"Buffer" Car

First Crude Oil Car

```

K K EEEEE Y Y TTTT RRRR AAA IITTT N N
K X E Y Y T R R A A T NN N
KKK EEE Y T RRRR AAAAA T N N N
K K E Y T R R A A T N NX
K K EEEEE Y T R R A A ILLL N N

TRNNB001 ***** Train Documents ***** 01/31/14
J PIPER 08:40:04PT

Train U EPPFT30 16T Arrived SPOKANE WA 01/31/14 0813 0 hr 22 min Ahead
U EPPFT30 16

Head End Dyn Opr
Locos HP AvLHP Brk Brk Rec Axl Tons Loco Online D T ----Isolated ---
-----
BNSF 6879 4400 4400 8 EF+ Y Y 6 210 WEST FIDALG N
BNSF 4530 4400 0 8 EF+ N Y 12 210 WEST FIDALG N IC HAUYAR FIDAL
Total 8800 4400 12 420
Incl DPU's 17500 13200 Actual HpT = 1.0 (13200 HP/12640 tons)
Scheduled HpT = 1.0

Seg Car L Contents Online C Grs Final Dest Cum
Num Init Number Knd E Want Dy Destin T RAJP Ton Consignee City ST Axl
-----
Block Setout FIDALGO WA
1 BNSF 808051 YHP L EPPING 122 CRESTWIDPAR EPPING ND 16
BU BUFFER CAR
Block Totals 1 Cars 1 Loads 0 Empties 122 Tons 54 Feet

Block FIDU Setout FIDALGO WA
2 CBTK 735479 T51 L HAZMAT FIDALG 135 TESORONW FIDALGO WA 20
FL FLAMMABLE

>>> KEY SHIPMENT (TWENTY) <<<

*****
* HAZMAT * 1 TK // 196000 LB
***** UN1267 // PETROLEUM CRUDE OIL
***** 3
EMERGENCY CONTACT: 800-424-9300 PG I
SHIPPER CONTACT: CHEMREC CCN22013 HAZMAT STCC 4910165

RAIL CONSIGNEE RAIL SHIPPER
TESORO NORTHWEST CO TESORO REFINING & MARKETING CO
N MARCHES POINT RD
FIDALGO WA EPPING ND
  
```

Example: Intermodal Train List

Typically, there are multiple shipments in each trailer or container

18	BNSF 270768 QY0	L WHEAT	LONBEATPICA	275	AGENT	LONBEATPI CA	198
	KOCU 413357 K15	L WHEAT	LONBTP	40C	HYUNDAWBRAID	LONBEATPI CA	B1
	MSDU 757241 K15	E MIYTLR	LONBTP	40C	MEDITESHICOU	LONBEATPI CA	BT
	DFSU 618495 K15	L WHEAT	LONBTP	40C	HYUNDAWBRAID	LONBEATPI CA	C1
	MSDU 742887 K15	E MIYTLR	LONBTP	40C	MEDITESHICOU	LONBEATPI CA	CT
	DFSU 662052 K15	L WHEAT	LONBTP	40C	HYUNDAWBRAID	LONBEATPI CA	D1
	MSDU 739978 K15	E MIYTLR	LONBTP	40C	MEDITESHICOU	LONBEATPI CA	DT
	TCNU 504331 K15	L WHEAT	LONBTP	40C	HYUNDAWBRAID	LONBEATPI CA	E1
	MSDU 717968 K15	E MIYTLR	LONBTP	40C	MEDITESHICOU	LONBEATPI CA	ET
	SEGU 604670 K15	L WHEAT	LONBTP	40C	HYUNDAWBRAID	LONBEATPI CA	A1
	MSCU 508990 K15	E MIYTLR	LONBTP	40C	MEDITESHICOU	LONBEATPI CA	AT
19	BNSF 238125 QY0	L HAZMAT	LONBEATPICA	326	AGENT	LONBEATPI CA	210
		CM	CORROSIVE				
	CAIU 734826 K15	L WHEAT	LONBTP	40C	HYUNDAWBRAID	LONBEATPI CA	B1
	KOCU 423977 K15	L HAZMAT	LONBTP	40C	HYUNDAWBRAID	LONBEATPI CA	BT
		CM	CORROSIVE				

	* HAZMAT *						

	EMERGENCY CONTACT: 17035273887						
	SHIPPER CONTACT: CCN 16160						
	Adi Desc: (ERG GUIDE 154)						
	ACTUAL CONSIGNEE						
	SUNGHONG S AND W CO						
	138 TEHERAN-RO GANGNAM-GU						
	SEOUL						
	RAIL CONSIGNEE						
	HYUNDAI INTERMODAL						
	LONG BEACH T PIER CA						
	HDNU 476670 KGS	L WHEAT	LONBTP	40C	HYUNDAWBRAID	LONBEATPI CA	C1
	HMMU 608724 K15	L FAK	LONBTP	40C	HYUNDAWBRAID	LONBEATPI CA	CT

14 TE // 17468 KG
 UN1780 // CORROSIVE LIQUID
 (DIHYDROGENHEXAFLUOROZIRCONATE2-)
 8
 PG II
 HAZMAT STCC 4936540

ACTUAL SHIPPER
 CHEMETALL US INC
 1100 TECHNOLOGY DR
 JACKSON MI 49201

RAIL SHIPPER
 HYUNDAI INTERMODAL
 LOGISTICS PARK CHIC IL

“One” Car = BNSF 240825



“One” Car with 10 Trailers or Containers

Y	SFTZ	220566	V1R	E		PHOENI	48T	AGENT	PHOENIX	AZ
Block Totals			3 Cars			3 Loads	0	Empties	362 Tons	564 Feet
4	BNSF	240825	OYB	L	FAK	RICHCA	226	AGENT	RICHMOND CA	60
R	OOCL	406738	K15	L	FAK	RICHCA	40C	INTRMW	RICHMOND CA	B1
R	FSCU	485141	K1L	L	FAK	RICHCA48C	KCPRS	SDT	RICHMOND CA	BT
R	OOCL	417649	K	L	LUBOIL	RICHCA	40C	INCHSCSH	RICHMOND CA	C1
R	OOCL	281724	K1L	L	FAK	RICHCA	48C	ESCTRSR	RICHMOND CA	CT
R	OOCL	282556	K1L	L	FAK	RICHCA	48C	MBMCARERS	RICHMOND CA	D1
R	OOCL	285287	K1L	L	FAK	RICHCA	48C	SCLMTDLV	RICHMOND CA	DT
R	OOCL	408628	KG5	L	FAK	RICHCA	40C	MARKVII	RICHMOND CA	E1
R	OOCL	478551	K1L	L	FAK	RICHCA	40C	OOCL	RICHMOND CA	ET
R	OOCL	485527	K1L	L	FAK	RICHCA40C	OOCL		RICHMOND CA	A1
R	OOCL	425667	K1L	L	FAK	RICHCA40C	OOCL		RICHMOND CA	AT

Placards and Hazard Classes

Nine Classes of Hazardous Materials

Class 1: Explosives
Divisions: 1.1, 1.2, 1.3, 1.4, 1.5, 1.6



Class 6: Poison (Toxic) and Poison Inhalation Hazard

Class 2: Gases
Divisions: 2.1, 2.2, 2.3



Class 7: Radioactive

Class 3: Flammable Liquid and Combustible Liquid



Class 8: Corrosive

Class 4: Flammable Solid, Spontaneously Combustible, and Dangerous When Wet
Divisions 4.1, 4.2, 4.3



Class 9: Miscellaneous

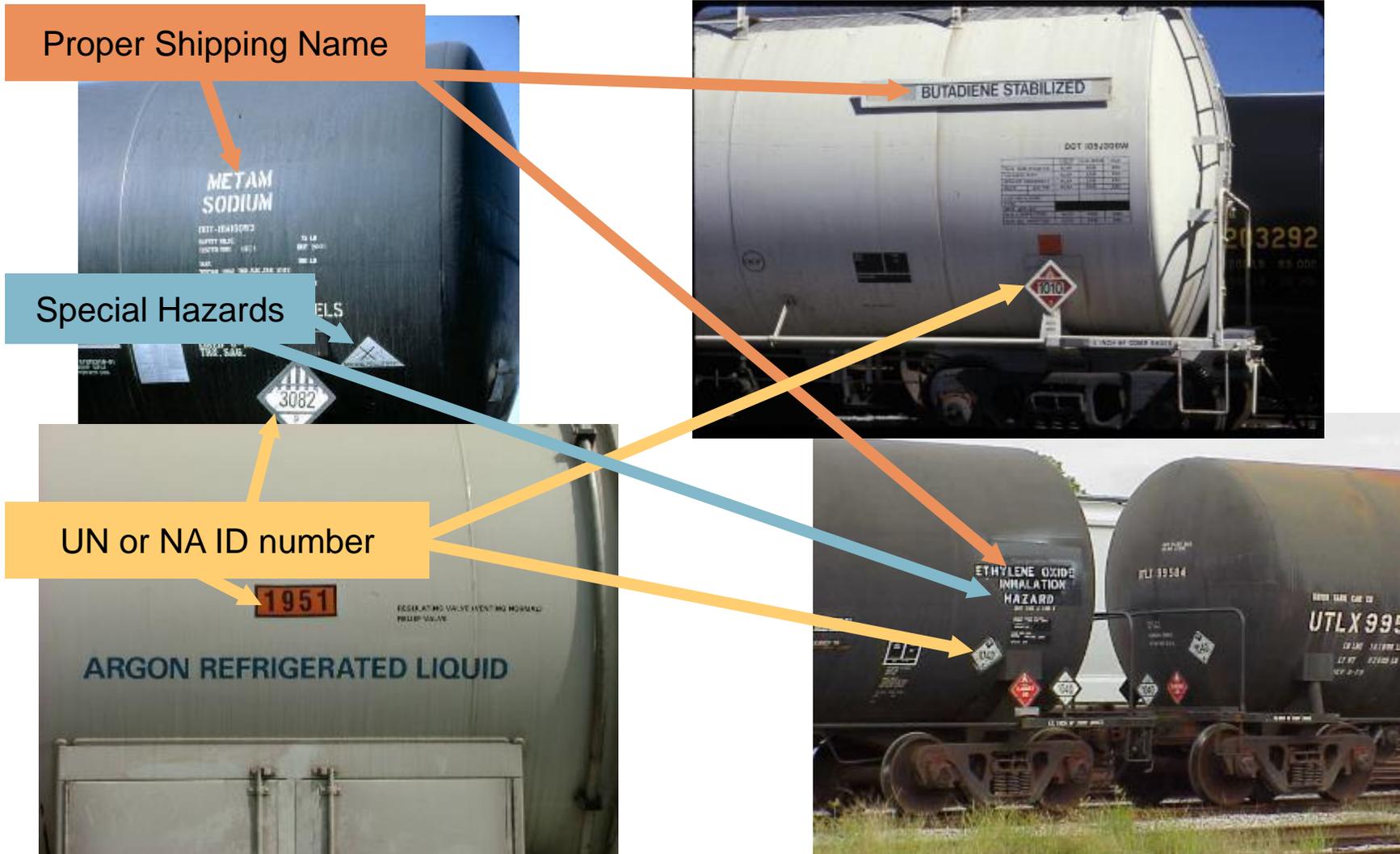
Class 5: Oxidizer and Organic Peroxide
Divisions 5.1, 5.2



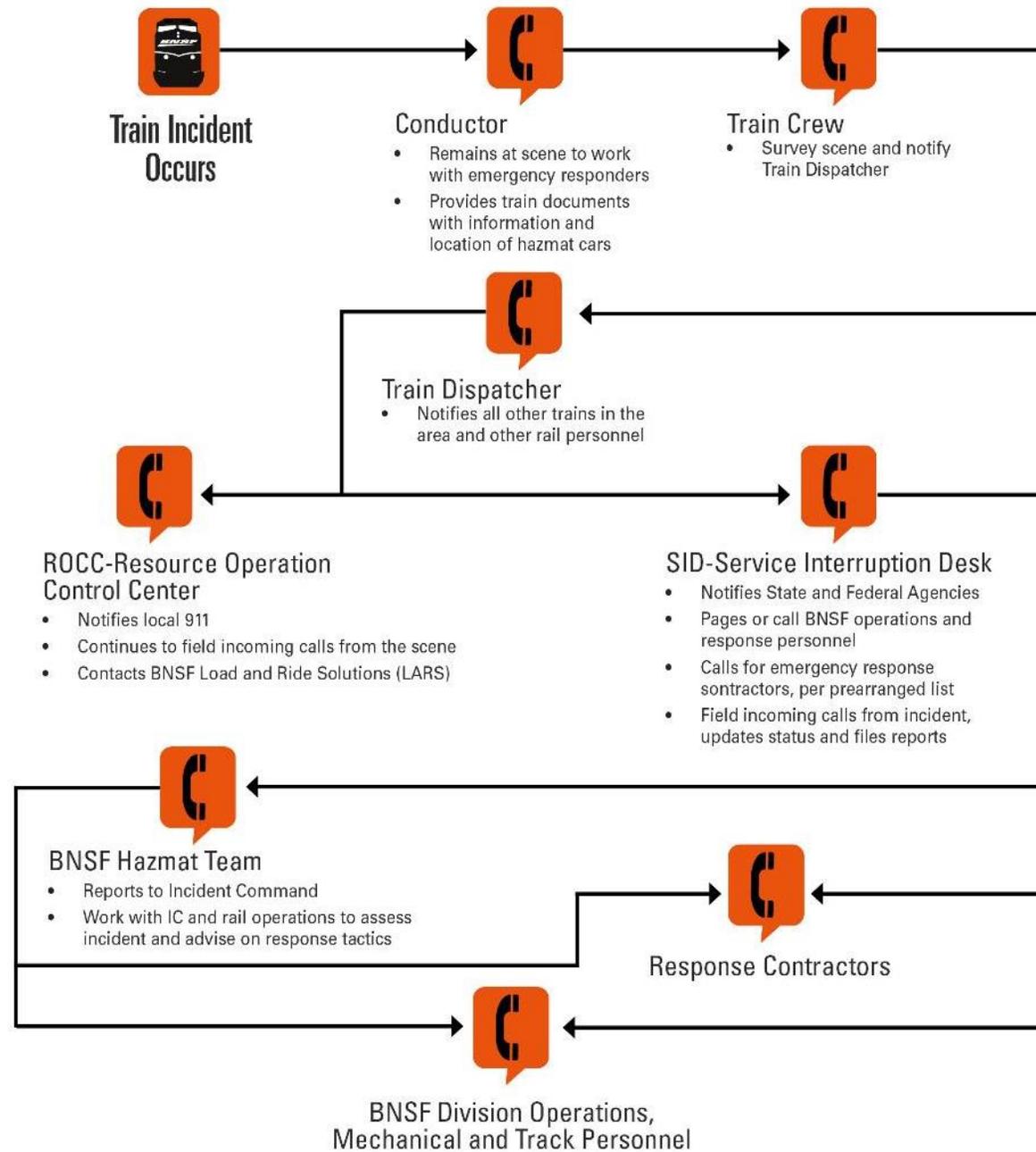
Dangerous

Revised 06/05

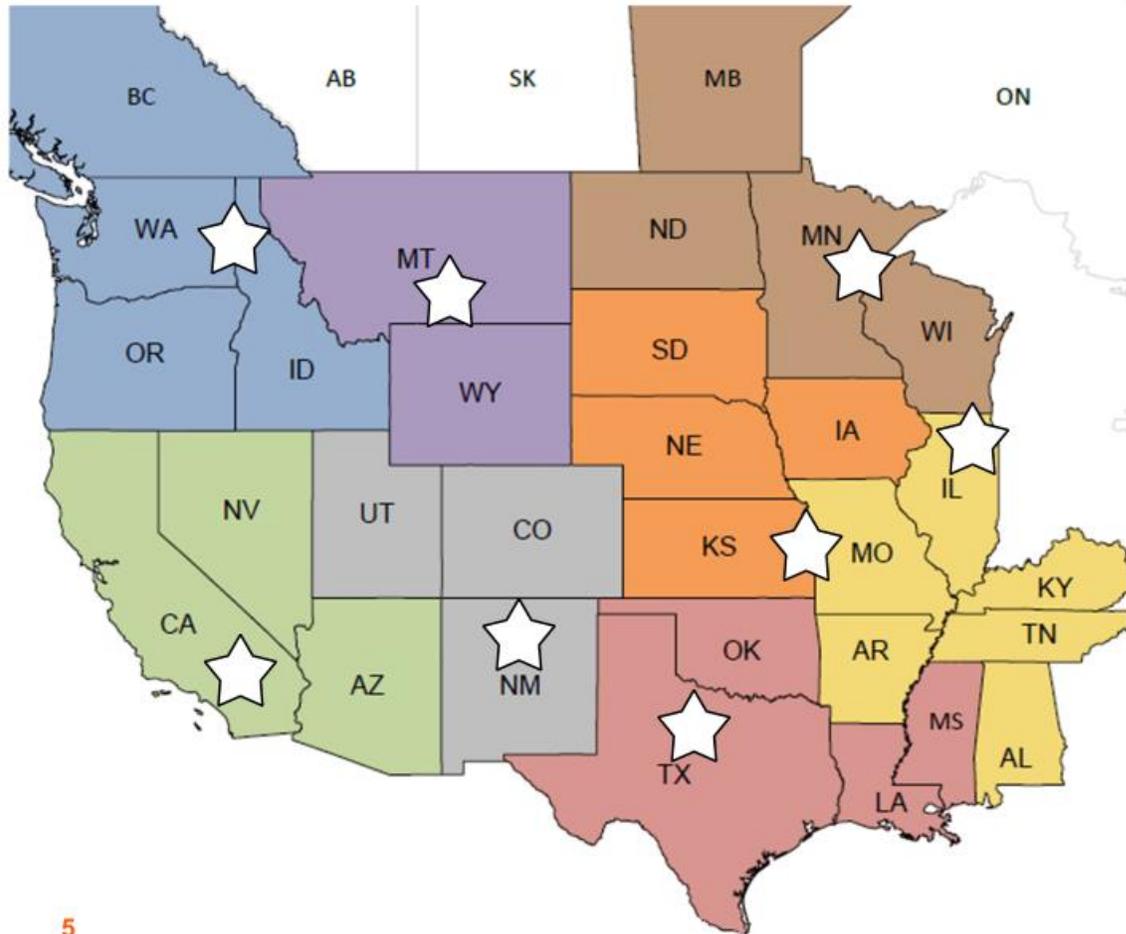
Tank Cars May Have Additional Markings



Incident Notification Procedures



HAZMAT Manager Region Map



HazMat - System Wide
<p>Patrick Brady</p> <p>General Director – Hazardous Materials Safety 2500 Lou Menk Drive AOB-3 Fort Worth, TX 76131 Office: 817-352-3652 Mobile: 817-821-1325 patrick.brady@bnsf.com</p>
<p>Nic Winslow</p> <p>Manager, HazMat Planning 2902 Montana Ave. Billings, MT 59101 Office: 406-256-4063 Mobile: 406-202-8051 dominic.winslow@bnsf.com</p>
<p>Emily Spears</p> <p>Manager, HazMat Compliance 2500 Lou Menk Drive AOB-3 Fort Worth, TX 76131 Office: 817-352-2398 Mobile: 817-944-0460 emily.spears@bnsf.com</p>

HazMat - West Region
<p>Justin Piper</p> <p>Director-Hazardous Materials Safety 5310 E. Trent Ave. Spokane, WA 99212 Office: 360-418-6268 Mobile: 360-553-8672 justin.piper@bnsf.com</p>
<p>James Farner</p> <p>Manager, HazMat Field Ops and ER 3770 E. 26th Street Vernon, CA 90058 Office: 323-267-4103 Mobile: 909-267-5167 james.farner@bnsf.com</p>
<p>Jeff Hankins</p> <p>Manager, HazMat Field Ops and ER 1624 1st St. NW Albuquerque, NM 87102 Office: 505-767-6847 Mobile: 505-218-3582 jeffrey.hankins2@bnsf.com</p>
<p>Peter Killman</p> <p>Manager, HazMat Field Ops and ER 2902 Montana Ave. Billings, MT 59101 Office: 406-256-4063 Mobile: 785-214-3248 peter.killman@bnsf.com</p>

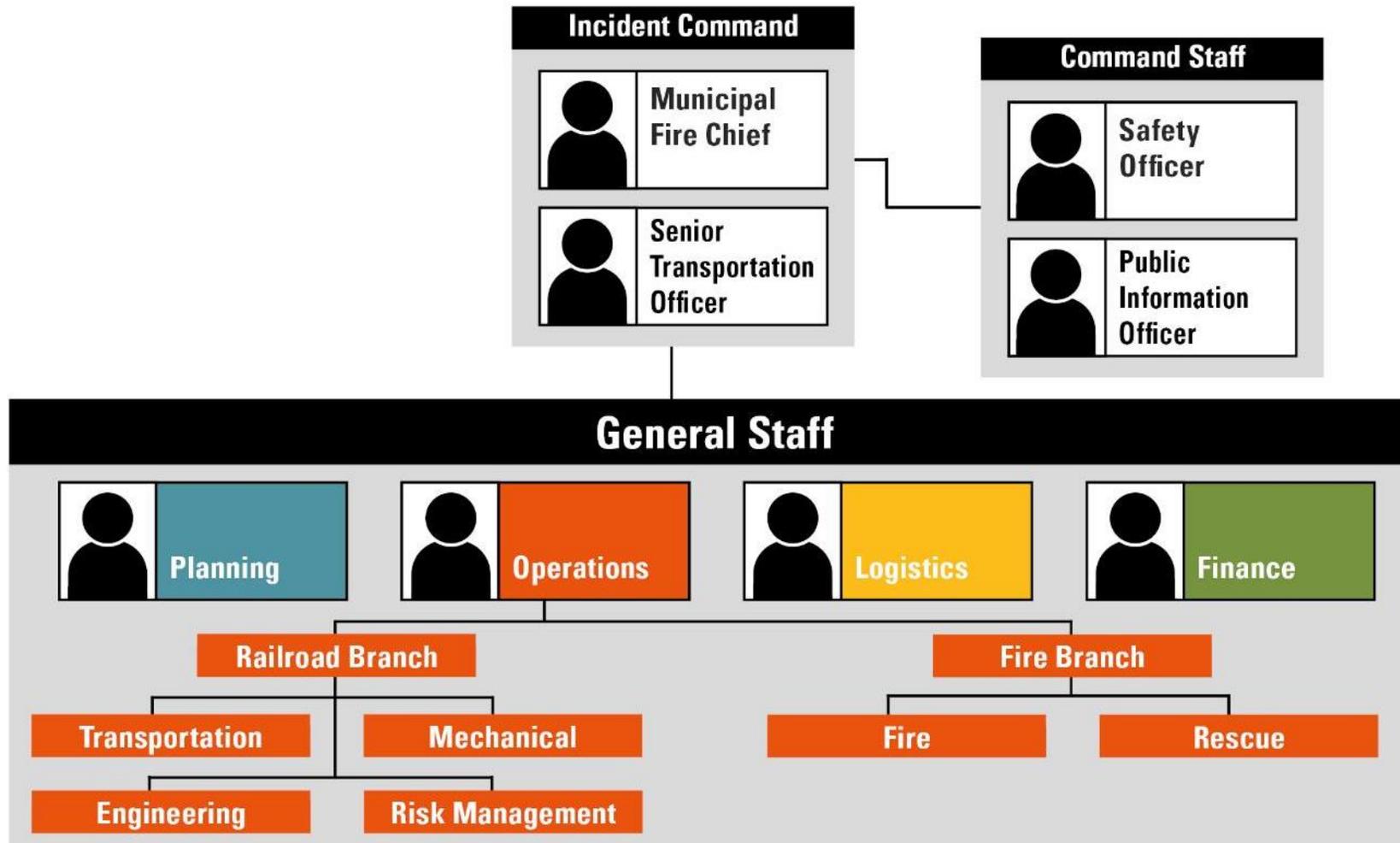
HazMat – East Region
<p>Clay Reid</p> <p>Sr. Director-Hazardous Materials Safety 2500 Lou Menk Drive AOB-3 Fort Worth, TX 76131 Office: 817-352-7728 Mobile: 817-313-0592 clay.reid@bnsf.com</p>
<p>Derek Lampkin</p> <p>Manager, HazMat Field Ops and ER 4515 Kansas Ave. Kansas City, KS 66106 Office: 913-551-4153 Mobile: 612-760-1365 derek.lampkin@bnsf.com</p>
<p>Mike Sheehan</p> <p>Manager, HazMat Field Ops and ER 685 McClure Road Aurora, IL 60502 Office: 630-692-6363 Mobile: 509-430-6090 michael.sheehan@bnsf.com</p>
<p>Paul Hester</p> <p>Manager, HazMat Field Ops and ER 80 44th Avenue NE Minneapolis, MN 55421 Office: 763-782-3350 Mobile: 612-619-8641 paul.hester@bnsf.com</p>

ICS and NIMS

BNSF hazardous material responders, operations supervisors and train crews will work within the Unified Incident Command



Unified Command Model



DO NOT LOAD-THIS CAR IS FOR TRAINING PURPOSES ONLY

AAR NO. 18 BR BM
M901E DFT GR
SPRG D-5
36 IN IW STL WHLS
SEGOCHT CPLR

DO NOT LOAD - THIS CAR IS FOR TRAINING PURPOSES ONLY

BNSF

99912

PLATE C
MT

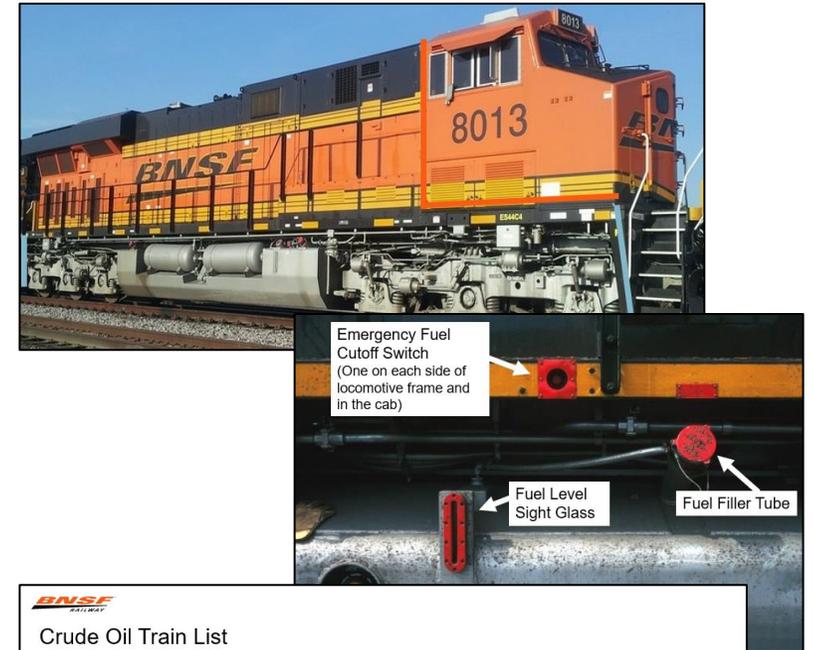
!D LMT 192900LB 87500KG
LT WT 70100LB 31800KG

HF COMP SHOES

Submitted Questions

Submitted Questions

- What are the mistakes you have noticed done by fire departments prior to your arrival that you would like stopped or done better?
- When should a fire department put water on a locomotive fire? We recently had a locomotive fire and contacted BNSF during the incident on how to safely to put out the fire. After talking with them, we shut down the power by emergency shut off and then applied water to put out the fire. After watching the locomotive webinar, they said 4 to 5 times not to put water on a locomotive fire, which is it?
- With transportation of HazMat via rail, an explanation and example of the buffer system, and easy tips for identifying them.



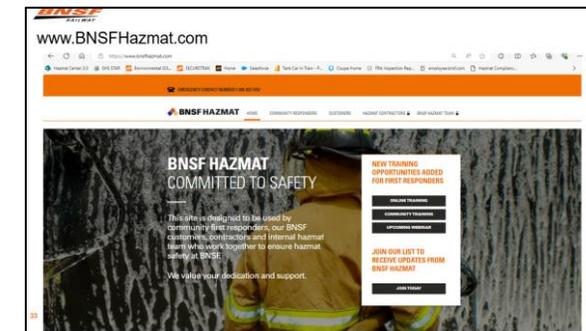
Crude Oil Train List

Train No	Loco	Car	Product	Weight	Volume	Temp	Pressure	Flow	Notes
1000	8013	1	Crude Oil	10000	10000	100	100	100	Head End Locomotives
1000	8013	2	Crude Oil	10000	10000	100	100	100	"Buffer" Car
1000	8013	3	Crude Oil	10000	10000	100	100	100	First Crude Oil Car

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Submitted Questions

- Ability of train and/or tracks to conduct electricity from contact with a downed wire - how far? how to protect the public upstream and downstream?
- Best apps to use to help with identification of contents and location of incident.
- When to use water and when not to use water on train fire.
- Ethanol and renewable diesel response considerations.
- Danger of creosote treated trestles that have caught fire?
- Hazard/HAZMAT response in rural areas that have a limited number of resources.
- Can I get a recording of this webinar? I would like to have it to let the crews that were not able to attend watch it.



Additional Questions?

Complete Your Surveys

Thank You!!



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RAILWAY