



NATIONAL TRANSPORTATION SAFETY BOARD  
**Investigative Hearing**

Norfolk Southern Railway general merchandise freight train 32N  
derailment with subsequent hazardous material release and fires,  
in East Palestine, Ohio, on February 3, 2023

<b>GROUP</b>	<b>D</b>
<b>EXHIBIT</b>	
4	

Agency / Organization

**Norfolk Southern Railway**

Title

**Incident Status Report  
February 7, 2023**



# INCIDENT STATUS REPORT

Location of Incident: East Palestine OH

Incident Date: 2/3/2023

Status Report Date: 2/7/2023

Operational Period: 8-9

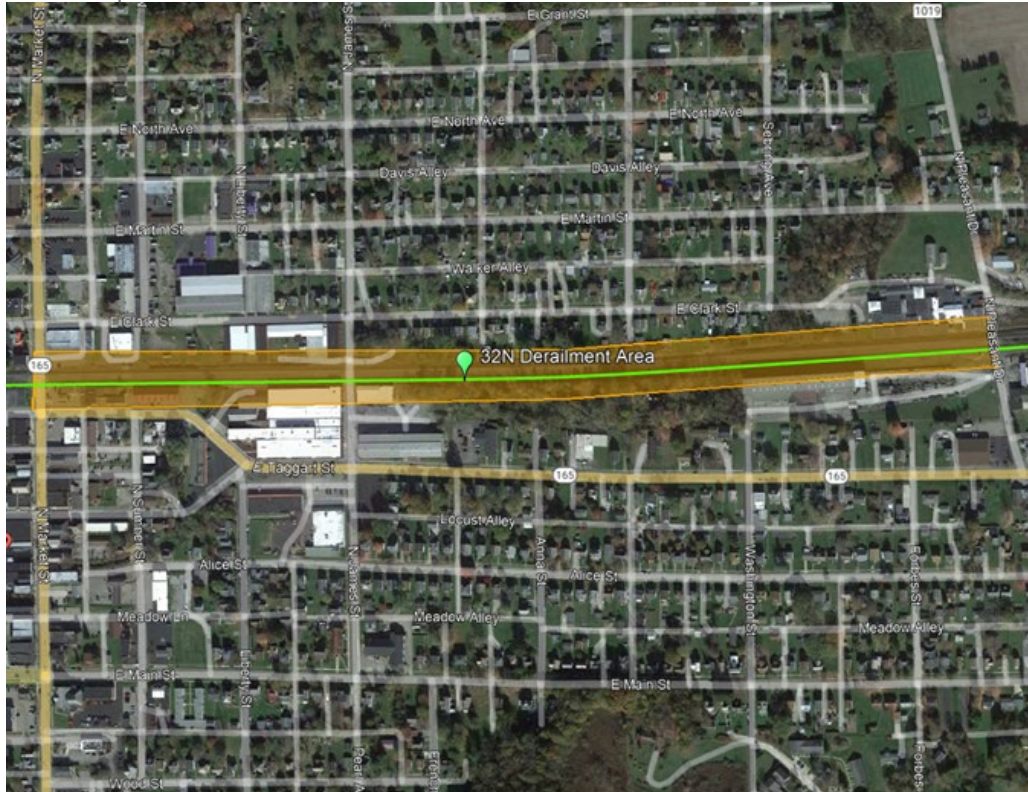
Spill/Derailment Number: [Click here to enter text](#)

**Brief Description of Incident:**

32N Derailment

**Insert Map Below (not pictures):**

Insert map here.



**NS Personnel (On-Site, En Route & Managing Remotely):**

Name	Role	On-Site	En Route	Cell Number
S. Deutsch	Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
S. Gould	"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
R. Wood	"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
J. Simpson	"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P Williams	"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
R Scoble	Remediation	<input checked="" type="checkbox"/>		
M Dudle	IH Liaison/Safety	<input checked="" type="checkbox"/>		
C Hunsicker	Remediation	<input checked="" type="checkbox"/>		



## INCIDENT STATUS REPORT

**S&E Contractors/Consultants On-Site:**

Company	Contact Person	Role	Cell Number
SPSI	Drew McCarty	Tank Car Ops Section Chief	
Hepaco	John Francisco	Product Containment Team Leader	
Enviroserve	Chip Hershberger	Containment support	
CTEH		Comm Air Monitoring	
Arcadis	Scott Deutsch	remediation	
Enviroscience	Matt Gernand	Biological reporting/assessment	
SRS	Chip Day	Tank Car Ops	
ESI	Jason Poe	Demolitions expert	

**Locomotives Involved:**

Locomotive #	Planned Handling	Status

**Railcars Involved:**



# INCIDENT STATUS REPORT

25	GPLX 75465	LOADED	HOPPER	POLYETHYLENE				
26	ECUX 860375	LOADED	HOPPER	POLYETHYLENE				
27	UTLX 684543	EMPTY	TANK CAR		DOT 1171100W			
28	TILX 402025	LOADED	TANK CAR	VINYL CHLORIDE, STABILIZED	DOT 1051300W	UN1086	2.1 (FLAMMABLE GAS)	
29	OCPX 80235	LOADED	TANK CAR	VINYL CHLORIDE, STABILIZED	DOT 1051300W	UN1086	2.1 (FLAMMABLE GAS)	
30	OCPX 80179	LOADED	TANK CAR	VINYL CHLORIDE, STABILIZED	DOT 1051300W	UN1086	2.1 (FLAMMABLE GAS)	
31	GATX 95098	LOADED	TANK CAR	VINYL CHLORIDE, STABILIZED	DOT 1051300W	UN1086	2.1 (FLAMMABLE GAS)	
32	RACX 51629	LOADED	TANK CAR	DIPROPYLENE	DOT 111A100W1			
33	LYBX 5191	LOADED	TANK CAR	PROPYLENE	DOT 1171100W			
34	RACX 51435	LOADED	TANK CAR	PROPYLENE	DOT 111A100W1			
35	UTLX 671772	LOADED	TANK CAR	DIETHYLENE	DOT 111A100W1			
36	SHPX 211226	LOADED	TANK CAR	COMBUSTIBLE LIQ., NOS (ETHYLENE GLYCOL MONOBUTYL ETHER)	DOT 111S100W1	NA1993	COMBISTIBE LIQUID	
37	TILX 331319	LOADED	HOPPER	SEMOLINA				
38	DOWX 73168	LOADED	TANK CAR	COMBUSTIBLE LIQ., NOS (ETHYLHEXYL ACRYLATE)	DOT 111S100W1	NA1993	COMBISTIBE LIQUID	
39	ROIX 57036	LOADED	HOPPER	POLYVINYL				
40	NCUX 40057	LOADED	HOPPER	POLYVINYL				
41	UTLX 100055	LOADED	TANK CAR	PETROLEUM LUBE OIL	DOT 111A100W1			
42	XOMX 110664	LOADED	TANK CAR	PETROLEUM LUBE OIL	211A100W1			
43	UTLX 684798	LOADED	TANK CAR	PETROLEUM LUBE OIL	DOT 1171100W			
44	UTLX 671310	LOADED	TANK CAR	PETROLEUM LUBE OIL	DOT 111A100W1			
45	CERX 30072	LOADED	TANK CAR	POLYPROPYL GLYC	DOT 111A100W1			
46	SHPX 211106	LOADED	TANK CAR	PROPYLENE	DOT 111S100W1			
47	NATX 231335	LOADED	TANK CAR	DIETHYLENE	DOT 111A100W1			
48	UTLX 671913	LOADED	TANK CAR	DIETHYLENE	DOT 111A100W1			
49	NATX 35844	LOADED	TANK CAR	ISOBUTYLENE	DOT 1051300W	UN1055	2.1 (FLAMMABLE GAS)	
50	UTLX 205907	LOADED	TANK CAR	BUTYL ACRYLATES, STABILIZED	DOT 111A100W1	UN 2348	3 (FLAMMABLE LIQUID)	
51	UTLX 661296	LOADED	TANK CAR	PETRO OIL, NEC	DOT 111A100W1			
52	COCX 287059	LOADED	TANK CAR	ADDITIVES, FUEL	DOT 111A100W1			
53	ROIX 59396	LOADED	HOPPER	POLYVINYL				
54	ROIX 57782	LOADED	HOPPER	POLYVINYL				
55	OCPX 80370	LOADED	TANK CAR	VINYL CHLORIDE, STABILIZED	DOT 1051300W	UN 1086	2.1 (FLAMMABLE GAS)	
56	TBOX 640019	LOADED	BOX CAR	BALLS,CTN,MEDCL				
57	BKTY 152621	LOADED	BOX CAR	SHEET STEEL				
58	LINX 7278	LOADED	BOX CAR	VEGETABLE, FROZEN				
59	DPRX 259013	EMPTY	TANK CAR	BENZENE	DOT 111A100W1	UN 1114	3 (FLAMMABLE LIQUID)	
60	DPRX 258671	EMPTY	TANK CAR	BENZENE	DOT 111A100W1	UN 1114	3 (FLAMMABLE LIQUID)	
61	XOMX 110236	LOADED	TANK CAR	PARAFFIN WAX	DOT 211A100W1			
62	ELTX 7458	LOADED	HOPPER	FLAKES, POWDER				
63	ELTX 3421	LOADED	HOPPER	FLAKES, POWDER				
64	NDYX 892049	LOADED	HOPPER	HYDRAULIC CEMENT				
65	TTGX 953815	LOADED	AUTORACK	AUTOS PASSENGER				
66	TBOX 889334	LOADED	BOX CAR	MALT LIQUORS				
67	NOKL 603412	LOADED	BOX CAR	MALT LIQUORS				

## Substances Spilled:

Substance	Approx. Amount Spilled	Recovery Plan	Approx. Amount Recovered
Vinyl Chloride	Unknown	Vent and burn successful	Unk
Propylene Glycol	“	Contractors running boom/damn/pump(aeration)operations at tributary	“
Lube oil	“	“	“
Ethylene Glycol monobutyl ether	“	“	“
Ethyl Hexyl Acrylate	“	“	“
Butyl Acrylate	“	“	“

## Media Impacted:

- Soil
- Surface Water
- Ground Water
- Air

## Response Summary (describe actions taken to address or monitor)

Currently no actions  
 Boom containment, pump aeration  
 unknown  
 air monitoring by Tetra Tech and CTEH



## INCIDENT STATUS REPORT

### Regulatory Agencies & Contact info associated with the site:

- EPA**                      Contact Person / Phone Number / Email Address
- State**                     Agency / Phone Number / Email Address
- Other**                    Agency / Phone Number / Email Address

### Overall Site Strategy & Objectives (update as strategies & objectives change)

- Sequencing of remediating track bed vs. rebuilding track
- Objectives re: timeline for reopening line and resuming traffic
- Overall roles & responsibilities of various contractors on-site (i.e.: wrecking vs. dig & haul vs. tank car transfers vs. air monitoring, etc.)

### Site Activities Conducted in this Most Recent Past Operational Period (since the last report):

- 0600 Safety brief held with all operations on wrecking operations and track rebuild
- Wrecking operations began after daylight assessment of conditions in the derailment focusing on leaking product, car integrity and hazards to personnel and environment
- All cars moved off ROW by 2100 with NS Env./CTEH working in support of personnel to ensure worker and community safety through appropriate action levels based on monitoring data
- Track construction continuing from west end of site moving east
- Lay down area created for spoil material removed from impacted portions of the site. This is primarily located at the east end of the derailment with containment planned to be in place for soil during operational period 9
- During movement of final **non haz** loaded hopper car to north side, it was noted to be a contained in fire posing risk of flash to personnel should it rip open in uncontrolled condition. The hopper was vented from the top and allowed to free burn until contractor suppression ops could reposition for knockdown of the fire in the car. This did not pose community health threat and verification of any plume readings were verified by CTEH based on wind speed and direction.
- Leak checks continued on all tank cars with no to minimal leaks noted and collection efforts put in place.
- Water remediation continued as past operations periods have noted with adaptive changes made as deemed necessary based on product observance.

### Site Activities Planned for the Next Operating Period:



## INCIDENT STATUS REPORT

- Continue support of personnel safety during track construction
- Continue observance of all cars for “flare ups” of smoldering fires and leaks, responding as necessary
- Proper containment of lay down material removed from impact area
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### Additional; Pending Activities Not Addressed Above:

No updated information on evacuation notice being lifted as of ops period changeover at 0700

### Waste Generated: (Provide waste profiles for site)

**Site EPA ID Number:** AB 12345678

**Waste 1:** waste descriptions and amount generated to date  
**Disposal Facility 1:** Facility Name, Location, EPA ID Number

**Waste 2:** waste descriptions and amount generated to date  
**Disposal Facility 2:** Facility Name, Location, EPA ID Number

**Waste 3:** waste descriptions and amount generated to date  
**Disposal Facility 3:** Facility Name, Location, EPA ID Number

**Waste 4:** waste descriptions and amount generated to date  
**Disposal Facility 4:** Facility Name, Location, EPA ID Number

**Waste 5:** waste descriptions and amount generated to date  
**Disposal Facility 5:** Facility Name, Location, EPA ID Number

### Insert Pictures Below that Provide Overview of Incident Site:



## ***INCIDENT STATUS REPORT***

**Insert Pictures Below from Current Operational Period:**