



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>	
3	

Agency / Organization

**Norfolk Southern Railway**

Title

**Incident Status Report  
February 6, 2023**



# INCIDENT STATUS REPORT

Location of Incident: East Palestine OH

Incident Date: 2/3/2023

Status Report Date: 2/6/2023

Operational Period: 6-7

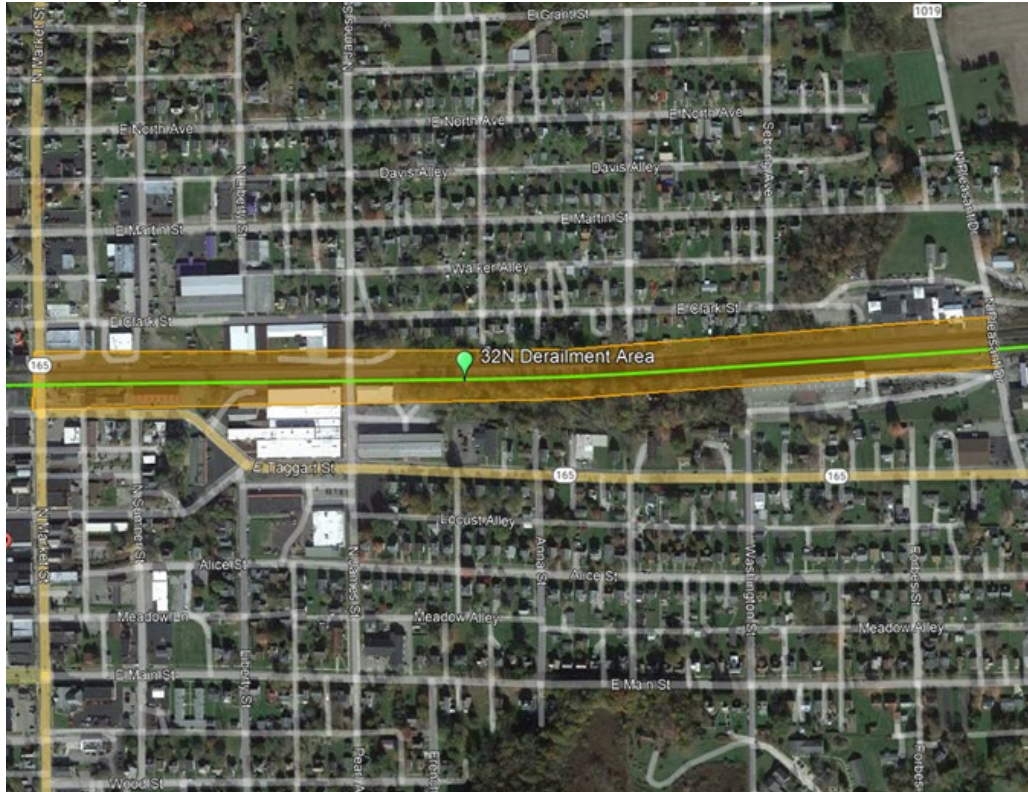
Spill/Derailment Number: [Click here to enter text](#)

**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:**



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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	COMBUSTIBLE LIQUID	
37	TILX 331319	LOADED	HOPPER	SEMOLINA				
38	DOWX 73168	LOADED	TANK CAR	COMBUSTIBLE LIQ., NOS (ETHYLHEXYL ACRYLATE)	DOT 111S100W1	NA1993	COMBUSTIBLE 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:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> EPA   | Contact Person / Phone Number / Email Address |
| <input checked="" type="checkbox"/> State | Agency / Phone Number / Email Address         |
| <input checked="" type="checkbox"/> 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):

- 5-6<sup>th</sup> ops period encompassed site prep for demo of 5 VCM cars in vent and burn operation
- This included berm and diking of trenches for product containment as well as north side removal of combustible materials behind Blaze Industries
- Continued site prep included unmanned master streams providing radiant heat protection on properties to the south side of wreck area
- Ongoing remediation with redundant collection points and underflow dams in runoff streams leading to Sulphur Run with supervision by Env. Ops
- PAR was taken at 1500 for all agencies/contractors operating within site
- 1635 flares were lit in the containment pit with demo charge lit at 1637
- Post demo, it was noted that tank cars **OCPX 80179 & OCPX 80370** showed visual confirmation of active polymerization noted by extended vapor release (2 minutes from vapor space hole) vs the other 3 cars and distinct solid product release entrained in the plume.
- 2 hrs post blast at 1830, unmanned monitors were shut down with contained fire continuing in pits
- 2100 Hazmat requested flyover by State Police chopper with IR imagery showing continuing small fire continuing in the pit with extensive fire still exhausting from within in VCM car and small spot fires of other product and combustibles throughout the east end wreck site
- CTEH continued roaming monitoring with 3 static stations reported no levels above normal background

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



## INCIDENT STATUS REPORT

- 0600 safety brief by wrecking contractors and TN to plan initial wrecking of 4 VCM cars on east side with then continued wrecking of remaining cars
- Contractor support with manned hose lines in the area with vapor suppression using Versaguard foam and ground spray as vapors and spot fires arrive. This will be supported with acrylate killer mixed in solution/in line for handlines once it arrives on scene
- Spoil pile location for contaminated dirt identified with poly laid for piling and potential to be hit with acrylate killer to diminish off gassing
- 

### Additional; Pending Activities Not Addressed Above:

Conversations with local authorities to release unified command and draw down external resources from NS in effort to decrease the footprint in community and turn this into NS only operation

### 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



**™**  
**INCIDENT STATUS REPORT**

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





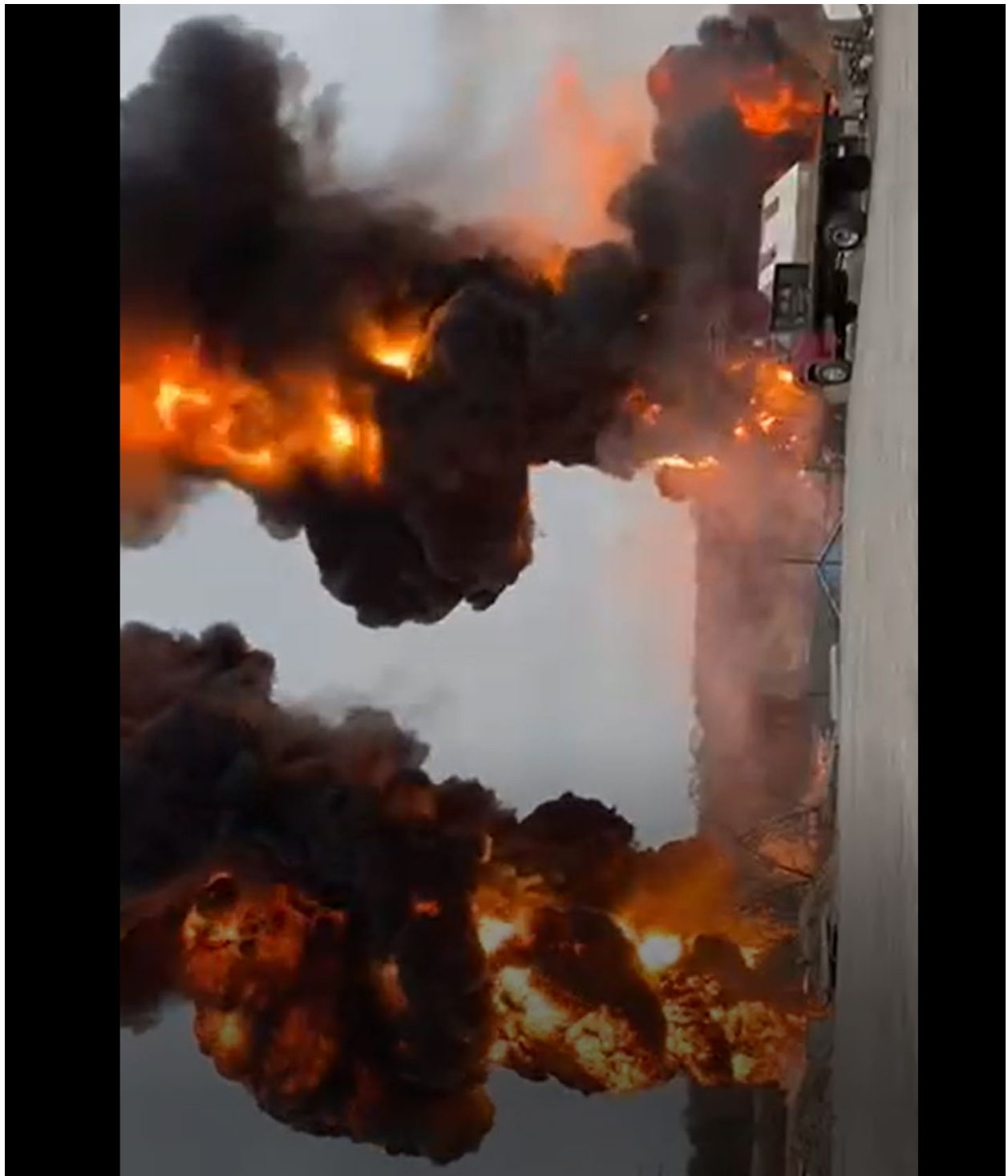


## **INCIDENT STATUS REPORT**





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***INCIDENT STATUS REPORT***