

# United States Coast Guard Sector Delaware Bay



## East Jefferson Street Bridge Train Derailment Paulsboro, NJ

**Type-2 HAZMAT Incident**

**\*Railroad Derailment into  
Navigable Waterway**

**November 30-December 17, 2012**

**Federal On-Scene Coordinator  
CAPT Kathy Moore, USCG**



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## Incident Overview

- 7 AM on Friday 30 Nov
- Train tracks bisect Paulsboro, a 6,200 resident boro, between PBF Paulsboro Refinery and NuStar
- Kids walk to school
- President Obama in Philly at 11 AM
- Firefighters, HAZMAT, Refinery workers first on scene
- 22 initially taken to local hospitals



## Rail Car Product Overview

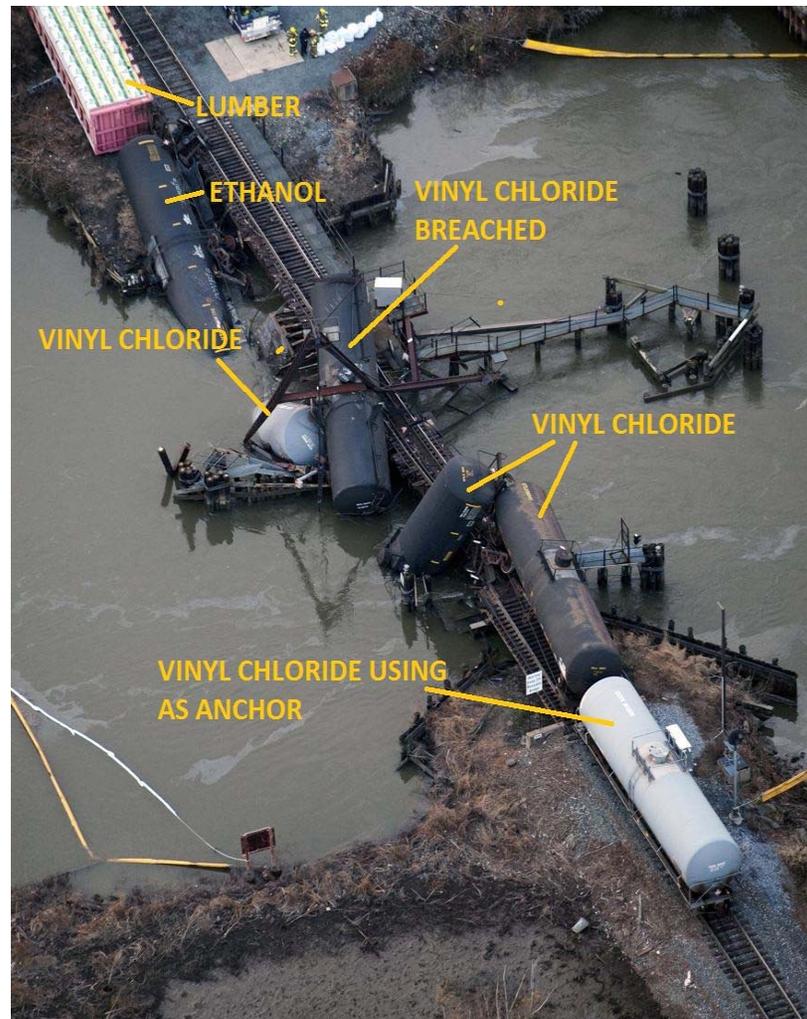
4 Vinyl Chloride Cars  
1 is breached

1 Ethanol Car

1 Lumber Car

1 Plastic Pellets Car

Sheen is hydraulic oil



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## Unified Command



**US Coast Guard**  
Coast Guard Sector Delaware Bay  
**Federal On-Scene Coordinator**



**Consolidated Rail Corporation  
(CONRAIL)**  
**Responsible Party**



**NJ Department of  
Environmental Protection (DEP)**  
**State On-Scene Coordinator**



**Paulsboro Fire Department**



**NJ Office of Emergency  
Management (OEM)**

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## Phased Response

Phase 1: Breached  
Railcar

Phase 2: Site  
Preparation

Phase 3: Railcar  
Removal

Phase 4: ReRail &  
Track Repair

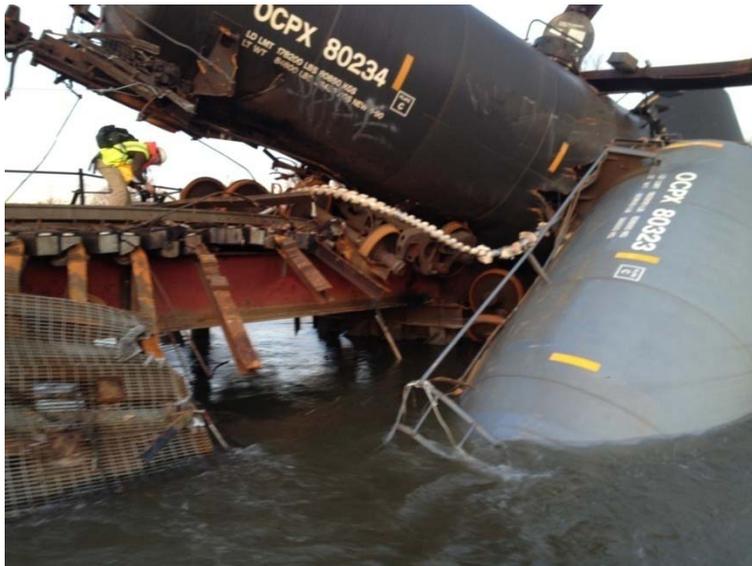


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## Response Operations Phase I: Breached Car

- Penetrated mid body with bolster of gray tankcar
- ~4,000 gallons of VC liquid remains: vaporizing
- 18 X 36 in. ragged hole is only access
- Tank car end is in the water





## Public Safety Concerns

### 2 Stage Evacuation:

11/30: 12 blocks adjacent to site  
48 homes, 3 businesses  
Schools closed

12/4: Evacuation expanded  
260 homes; 640 residents  
9 businesses

### Security

- Site Security
- Evacuation Zone Security



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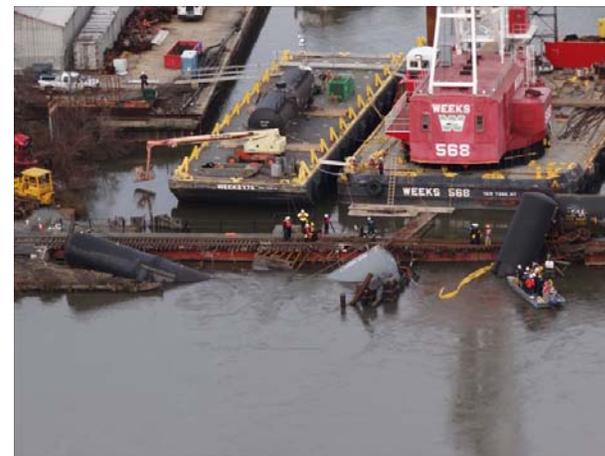
## Response Operations Phase II: Site Preparations

- Operation: Home Safely
- Remove bridge dolphins & fenders
- Remove A-Frame
- Remove lumber & pellet cars



# Response Operations Phase III: Railcar Removal

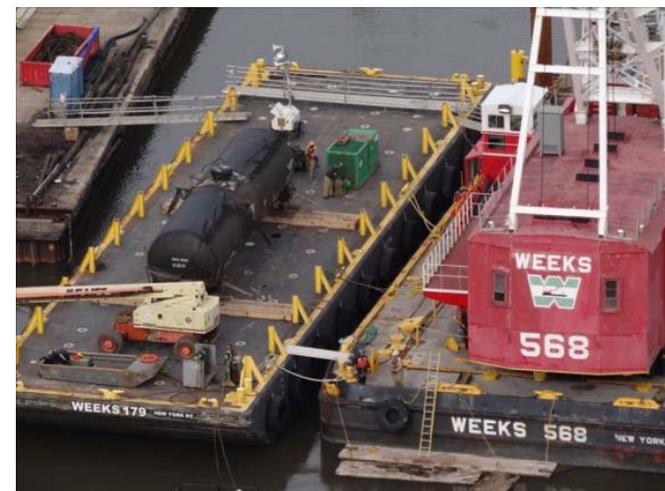
- Underwater Rigging
- Delicate Crane Operations
- Railcars lifted w/product inside



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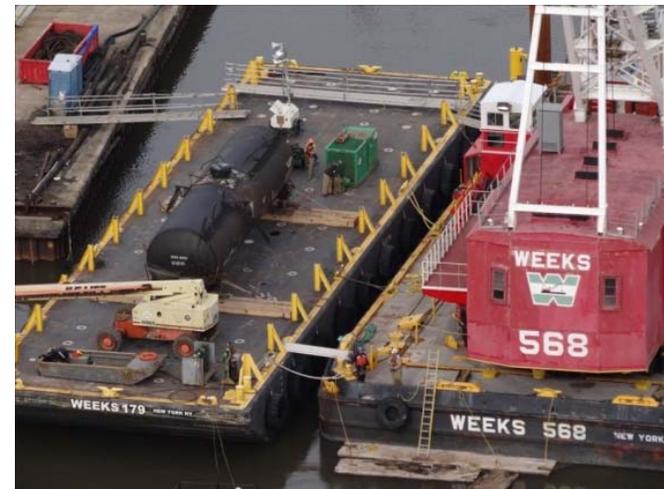


## Response Operations Phase III



# Response Operations Phase IV: ReRail Cars & Track Repair

- Crane lifts rerail cars in daylight
- Track repair at night



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## Questions?



WATER CAPACITY  
207615 LBS  
94174 KGS