



NATIONAL TRANSPORTATION SAFETY BOARD - **Public Hearing**

Conrail Derailment in Paulsboro, NJ with Vinyl Chloride Release

GROUP	7
EXHIBIT	
V	

Agency / Organization

National Transportation Safety Board

Title

Paulsboro Hearing Exhibit List

GROUP 1 – ADMINISTRATIVE EXHIBITS

Group	Exhibit	Exhibit Title	Panel(s)
1	A	NTSB Order of the Hearing	----
1	B	NTSB Notice of Designation of the Chairman of the Board of Inquiry	----
1	C	NTSB Designation of Hearing Officer	----
1	D	NTSB Notice of Investigative Hearing	----
1	E	NTSB Designation of Parties	----
1	F	NTSB Statement of the Purpose of A NTSB Investigative Hearing	----

GROUP 2 – BRIDGE OPERATIONS

Group	Exhibit	Exhibit Title	Panel(s)
2	A	NTSB Operations Factual Report	1
2	B	NTSB Mechanical Factual Report	1
2	C	Conrail Conductor Interview	1
2	D	Conrail Engineer Interview	1
2	E	FRA Report of Interview Bridge Controls Engineer	1
2	F	FRA Report of Interview Supervisor of Structures	1



GROUP 2 – BRIDGE OPERATIONS

Group	Exhibit	Exhibit Title	Panel(s)
2	G	Conrail Service Desk Trouble Tickets Paulsboro Bridge	1
2	H	NTSB Event Recorder Graph	1
2	I	Track Chart Pictures Bridge Sketch	1
2	J	Conrail Train Consist 8817	1
2	K	Conrail Timetable No. 9 Excerpts	1
2	L	NORAC Operating Rules Excerpts	1
2	M	FRA Safety Advisory 2013-01 Movable Bridges	1



GROUP 3 – HAZARDOUS MATERIALS INCIDENT MANAGEMENT

Group	Exhibit	Exhibit Title	Panel(s)
3	A	NTSB Hazardous Materials Group Factual Report	2,3,4
3	B	Paulsboro Police Computer Aided Dispatch Report	2,3,4
3	C	Paulsboro Fire and EMS Computer Aided Dispatch Report	2,3,4
3	D	NTSB Timeline of Events and Communications	2,3,4
3	E	EPA Air Monitoring Summary (NJDEP-0998-NJDEP-1011)	2,3,4
3	F	CTEH Air Sampling and Monitoring Summary from Nov 30, 2012	2,3,4
3	G	New Jersey Right to Know Fact Sheet Vinyl Chloride	2,3,4
3	H	Gloucester Cnty CBRNE Incident Cmd 214 Activity Logs	2,3,4
3	I	Paulsboro Local Emergency Disaster Declaration	2,3,4
3	J	Paulsboro Fire Dept. Inter-municipal Fire Assistance	2,3,4
3	K	Paulsboro Fire Dept. Membership Responsibilities	2,3,4
3	L	Washington Township Letter of Preparedness	2,3,4
3	M	NJ DEP - EPA Update No. 4	2,3,4
3	N	USCG Photograph of Responders at the Accident Scene November 30, 2012 at 11:21:00 AM	2,3,4



GROUP 3 – HAZARDOUS MATERIALS INCIDENT MANAGEMENT

Group	Exhibit	Exhibit Title	Panel(s)
3	O	Paulsboro Assistant Fire Chief Training Records	2,3,4
3	P	Paulsboro Fire Chief Training Records	2,3,4
3	Q	Gloucester Cnty Emergency Operations Plan Renewal Request	2,3,4
3	R	Notice to Gloucester County Fire Chiefs and Fire Officers Association	2,3,4
3	S	New Jersey Coordinated Worker Protection Emergency Response Plan	2,3,4
3	T	Paulsboro Emergency Operations Plan	2,3,4
3	U	Gloucester County Emergency Support Function Plan	2,3,4
3	V	Gloucester County Hazmat Team Details	2,3,4
3	W	National Response Team Hazardous Materials Emergency Planning Guide	2,3,4
3	X	EPA Discussion of Shelter in place Recommendation (NJDEP-1019-NJDEP-1019)	2,3,4
3	Y	Gloucester Co Approval of Paulsboro Emergency Operations Plan (NJSP 38-40)	2,3,4
3	Z	Gloucester County Office of Emergency Management Quarterly Report (NJSP 50-53)	2,3,4
3	AA	New Jersey Public Employees Occupational Safety and Health Act	2,3,4
3	AB	Washington Township Resolution to Withdraw from Hazmat Team	2,3,4



GROUP 3 – HAZARDOUS MATERIALS INCIDENT MANAGEMENT

Group	Exhibit	Exhibit Title	Panel(s)
3	AC	New Jersey Office of Emergency Management Shelter-In-Place Fact Sheet	2,3,4
3	AD	Washington Township Fire Fighters Concerns	2,3,4
3	AE	US Coast Guard Area Contingency Plan - Section 1500 - State Response System	2,3,4
3	AF	US Coast Guard Area Contingency Plan - Section 1600 - State Response Policy	2,3,4
3	AG	Coast Guard Area Contingency Plan - Section 1700 - Local Response System	2,3,4
3	AH	NOAA - Areal Locations of Hazds Atm. (ALOHA) Plume Model for Vinyl Chloride	2,3,4
3	AI	Environmental Protection Agency Air Monitoring Summary (NJDEP-0998-1011)	2,3,4
3	AJ	US Coast Guard Hazardous Substance Annex	2,3,4
3	AK	Environmental Protection Agency Versus US Coast Guard Jurisdiction (NJDEP-0017-0019)	2,3,4
3	AL	NJ Approval of Paulsboro Emergency Operations Plan July-2006	2,3,4
3	AM	Paulsboro, NJ First Responder Hot wash - Jan 2013	2,3,4
3	AN	NJ Dept. of Environmental Protection (NJDEP-00111) - Concern Over Safe Entry	2,3,4
3	AO	NJ Dept. of Environmental Protection (NJDEP-0088) - Coast Guard on scene	2,3,4
3	AP	NJ Dept. of Environmental Protection (NJDEP-0092) - EPA OSCs Arrive on Scene	2,3,4



GROUP 3 – HAZARDOUS MATERIALS INCIDENT MANAGEMENT

Group	Exhibit	Exhibit Title	Panel(s)
3	AQ	NJ Dept. of Environmental Protection (NJDEP-0137-0138) - USCG and Unified Command	2,3,4
3	AR	Environmental Protection Agency (EPA) – TAGA Readings – Provided by NJ DEP (NJDEP-0863-0865)	2,3,4
3	AS	NJ Dept. of Environmental Protection (NJDEP-1246-1248) - Final Incident Command Summary	2,3,4
3	AT	NJ Dept. of Environmental Protection (NJDEP-1263-1263) - DEP Initial Exposures	2,3,4
3	AU	NJ Dept of Environmental Protection (NJDEP-1264-1265) - Responder Exposures	2,3,4
3	AV	NJ Dept of Environmental Protection (NJDEP-1295-1300) - Timeline and After Action Report	2,3,4
3	AW	New Jersey State Police (NJSP 20) - Incident Action Plan Nov-30-2012	2,3,4
3	AX	New Jersey State Police (NJSP 41) - Approval of Paulsboro Emergency Operations Plan	2,3,4
3	AY	New Jersey State Police (NJSP 67) - Exposed Personnel	2,3,4
3	AZ	New Jersey State Police (NJSP 153-155) - Emergency Opns Ctr. Situation Report	2,3,4
3	BA	NOAA - Areal Locations of Hazardous Atm. (ALOHA) Plume Model - Vinyl Chloride Fireball	2,3,4
3	BB	NOAA - Areal Locations of Hazardous Atm. (ALOHA) Plume Model - Vinyl Chloride Low Wind	2,3,4
3	BC	Interagency Modeling and Atmospheric Assessment Center (IMAAC) Exposure Map	2,3,4
3	BD	NJ Dept. of Health 2012 (PEOSH) Complaint Investigation into Paulsboro Fire Dept.	2,3,4



GROUP 3 – HAZARDOUS MATERIALS INCIDENT MANAGEMENT

Group	Exhibit	Exhibit Title	Panel(s)
3	BE	NTSB Interview of Borough of Paulsboro Fire Chief	2,3,4
3	BF	NTSB Interview of Paulsboro Deputy Fire Chief	2,3,4
3	BG	NTSB Interview of Gloucester County Deputy Emergency Management Coordinator	2,3,4
3	BH	NTSB Interview of Emergency Services Superintendent - Paulsboro Refining Company	2,3,4
3	BI	NTSB Interview of Conrail Chief Risk Officer	2,3,4
3	BJ	NTSB Interview of Conrail Trainmaster	2,3,4
3	BK	Federal Occupational Safety and Health Standards 29 CFR 1910	2,3,4
3	BL	NIOSH Pocket Guide to Chemical Hazards - Vinyl Chloride	2,3,4
3	BM	2012 PHMSA Emergency Response Guide (ERG) - Vinyl Chloride	2,3,4
3	BN	NJ DOH Enforcement Statistics – Report on Paulsboro, NJ Dated May 8, 2013	2,3,4
3	BO	Original Consist of Train FC4230	2,3,4
3	BP	Paulsboro Refining Company Mutual Aid Dispatching Procedure	2,3,4
3	BQ	Paulsboro Refining Company Mutual Aid Summary	2,3,4
3	BR	Paulsboro Fire Department Operations Transcripts	2,3,4



GROUP 3 – HAZARDOUS MATERIALS INCIDENT MANAGEMENT

Group	Exhibit	Exhibit Title	Panel(s)
3	BS	Paulsboro Law Enforcement Operations Transcripts	2,3,4
3	BT	NJ DOH to Gloucester County - Public Employees Occupational Safety and Health Violations	2,3,4
3	BU	NJ DOH to Paulsboro Fire Dept. - Public Employees Occupational Safety and Health Violations	2,3,4
3	BV	NJ DEP Spokesperson and November 30, 2012 (10:51 a.m.) Press Conference Televised on CBS - Philadelphia Channel 03	2,3,4
3	BW	NTSB - Interview of Washington Township Volunteer Fire Department Chief	2,3,4
3	BX	NTSB - Interview of Washington Township Fire Department Captain_1	2,3,4
3	BY	US Coast Guard After Action Report - 30 Nov 2012 – 17 Dec 2012	4



GROUP 4 – ACCIDENT PHOTOGRAPHS

Group	Exhibit	Exhibit Title	Panel(s)
4	A	Witness Photograph (00422) Nov_30_2012 @ 07_11 AM	2,3,4
4	B	Witness Photograph (00424) Nov_30_2012 @ 07_12 AM	2,3,4
4	C	Witness Photograph (00425) Nov_30_2012 @ 07_12 AM	2,3,4
4	D	Witness Photograph (00427) Nov_30_2012 @ 07_13 AM	2,3,4
4	E	Witness Photograph (00428) Nov_30_2012 @ 07_43 AM	2,3,4
4	F	Witness Photograph (00429) Nov_30_2012 @ 07_44 AM	2,3,4
4	G	Witness Photograph (00430) Nov_30_2012 @ 08_00 AM	2,3,4
4	H	Witness Photograph (00431) Nov_30_2012 @ 08_00 AM	2,3,4
4	I	Witness Photograph (00433) Nov_30_2012 @ 08_01 AM	2,3,4
4	J	Witness Photograph (00435) Nov_30_2012 @ 08_46 AM	2,3,4
4	K	Witness Photograph (00436) Nov_30_2012 @ 09_17 AM	2,3,4
4	L	Witness Photograph (00438) Nov_30_2012 @ 09_18 AM	2,3,4
4	M	Witness Photograph (00439) Nov_30_2012 @ 10_19 AM	2,3,4
4	N	Witness Photograph (00442) Nov_30_2012 @10_49 AM	2,3,4
4	O	Witness Photograph (00443) Nov_30_2012 @10_55 AM	2,3,4
4	P	CONRAIL - Aerial Photo of Wreckage (1)	2,3,4
4	Q	CONRAIL - Aerial Photo of Wreckage (2)	2,3,4
4	R	CONRAIL - Aerial Photo of Wreckage (3)	2,3,4



GROUP 4 – ACCIDENT PHOTOGRAPHS

Group	Exhibit	Exhibit Title	Panel(s)
4	S	CONRAIL – Close-up Photo of Punctured Tank Car	2,3,4
4	T	CONRAIL - Photo of Punctured Tank Car Placard	2,3,4
4	U	CONRAIL - Photo of Punctured Tank Car from Bridge	2,3,4
4	V	CONRAIL - Photo of Wreckage and Rail from Bridge	2,3,4
4	W	NTSB Photo of Wreckage from West Bank of Mantua Creek	2,3,4
4	X	NTSB Close-up Photo of Punctured Tank Car	2,3,4
4	Y	NTSB Photo of the Tanker Car Puncture	2,3,4
4	Z	NTSB Photo of the Coupler that Punctured the Tank Car	2,3,4
4	AA	NJ State Police - Aerial Photo of Wreckage (1)	2,3,4
4	AB	NJ State Police - Aerial Photo of Wreckage (2)	2,3,4
4	AC	NJ State Police - Aerial Photo of Wreckage (3)	2,3,4



GROUP 5 – PARTY EXHIBITS

Group	Exhibit	Exhibit Title	Panel(s)
5	A	Conrail Organizational Chart	1,2
5	B	Conrail Photographs of Bridge and Locking Mechanisms	1,2
5	C	Conrail Bridge Inspection Reports from 2010 - 2012	1,2
5	D	Conrail C&S Inspection Records	1,2
5	E	Conrail Trouble Tickets	1,2
5	F	Conrail C&S Department System 2012 Event Log Report	1,2
5	G	Conrail - Federal Railroad Administration Inspection Report (Dec-01-12)	1,2
5	H	Conrail Safety Responsibilities Manual for Managers and Employees	1,2
5	I	Conrail Action Plan for Safety Operations	1,2
5	J	Conrail Daily Track Inspection Reports Monthly Yard, Track and Turnout Inspection Reports 2010-2012	1,2
5	K	Conrail Timetable Instructions for Penns Grove Secondary Line	1,2
5	L	Conrail - NORAC Operating Rule 241	1,2
5	M	Conrail Guidelines for Conducting Efficiency Checks	1,2
5	N	Conrail Time Table Qualification Pages	1,2



GROUP 5 – PARTY EXHIBITS

Group	Exhibit	Exhibit Title	Panel(s)
5	O	Conrail Conductor Qualification Packet	1,2
5	P	Conrail Certification of Conductors	1,2
5	Q	Conrail Certification of Engineers	1,2
5	R	Conrail New Hire Training Agenda	1,2
5	S	Conrail Class Posting Schedule for the Conrail Conductor	1,2
5	T	Conrail Safety Rules	1,2
5	U	Conrail - NS-1 Rules for Equipment Operation and Handling	1,2
5	V	Conrail Restricted Equipment Rules	1,2
5	W	Conrail Timetable -9	1,2
5	X	Conrail - NORAC Operating Rules	1,2
5	Y	Conrail - Special Instructions	1,2
5	Z	Conrail Instructions for Making Tests of Signal Apparatus	1,2
5	AA	Conrail - Madjeski and Masters Bridge Inspection Report	1,2
5	AB	US Coast Guard Conrail Train Derailment EPA and USCG Jurisdiction	4



Exhibit List

NTSB PUBLIC HEARING Derailment of Conrail Freight Train With Hazardous Materials Release

GROUP 5 – PARTY EXHIBITS

Group	Exhibit	Exhibit Title	Panel(s)
5	AC	US Coast Guard Captain Moore Presentation Slides	4
5	AD	International Association of Fire Chiefs (IAFC) PowerPoint Presentation Slides	3
5	AE	US Coast Guard National Response System - Mr. Scott Lundgren Presentation	4
5	AF	NJ DEP Report of Incident No 451136	----
5	AG	NJ DEP Report of Incident No 451141	----
5	AH	Gloucester County NRC Report No 1031908	----
5	AI	Conrail NRC Report No 1031910	----
5	AJ	NFPA Overview of Codes and Standards Presentation	3
5	AK	Conrail Presentation - Mantua Creek Moveable Bridge Operation	1



GROUP 6 – WITNESS BIOGRAPHIES

Group	Exhibit	Exhibit Title	Panel(s)
6	A	Biography Gregory Cade NFPA Director of Government Affairs	----
6	B	Biography Jack DeAngelo Deputy Emergency Mgmt Coordinator, Gloucester County	----
6	C	Biography Joe Eldridge, Director, Consumer, Environmental and Occupational Health Service, NJ Department of Health	----
6	D	Biography Sergeant First Class Bryan Everingham, New Jersey State Police	----
6	E	Biography Neil Ferrone CONRAIL Chief Risk Officer	----
6	F	Biography Gary Fillingame CONRAIL Trainmaster	----
6	G	Biography Les Fiorenzo FRA Regional Administrator	----
6	H	Biography Alfonso G Giampola Fire Chief, Paulsboro	----
6	I	Biography Scott Lundgren USCG Tech Advisor Office of Marine Environmental Response Policy	----
6	J	Biography Vernon R Marino Captain of Police - Paulsboro	----
6	K	Biography Mark Mather Conrail Engineer	----
6	L	Biography Captain Kathleen Moore USCG Commander Sector Delaware Bay	----
6	M	Biography Wilbert (Wil) den Ouden Conrail Conductor	----
6	N	Biography Patrick Robinson Emergency Response Superintendent Paulsboro Refinery	----



GROUP 6 – WITNESS BIOGRAPHIES

Group	Exhibit	Exhibit Title	Panel(s)
6	O	Biography Glenn Roemmich, Emergency Management Coordinator, Gloucester County	----
6	P	Biography Bob Royall (IAFC) Chief of Emergency Operations	----
6	Q	Biography Gary Stevenson Deputy Fire Chief, Paulsboro	----
6	R	Biography Tim Tierney CONRAIL VP and Chief Engineer	----
6	S	Biography Robert Van Fossen, NJ DEP Director Emergency Mgmt.	----



Exhibit List

NTSB PUBLIC HEARING Derailment of Conrail Freight Train With Hazardous Materials Release

GROUP 7 – EXHIBITS INTRODUCED AT or AFTER THE HEARING

Group	Exhibit	Exhibit Title	Panel(s)
7	A	Investigator-in-Charge Video Paulsboro, NJ Hazardous Materials	----
7	B	Investigator-in-Charge Presentation Description of the Accident and Investigation Status	----
7	C	FRA Observational Testing of Conrail from 2008 to 2010	----
7	D	FRA Number of Track Miles Covered by Region 1	----
7	E	Conrail 2011 - 2012 Safety Hotline Calls Received	----
7	F	FRA Joint Efficiency Testing of Conrail from 2010 to 2012	----
7	G	Attachment 3 Conrail Hazardous Materials Instructions for Rail (HM-1)	----
7	H	Hazardous Materials Training Certificate from Deputy Chief Gary Stevenson	----
7	I	2013 Paulsboro Signed Emergency Operations Plan	----
7	J	Sample of Paulsboro Site Safety Plan for Rail	----
7	K	Number of First Responders Trained and Certified in Hazardous Materials	----
7	L	IAFC Transportation Hazardous Material Incidents by Mode	----
7	M	2010 - 2012 Gloucester County CBRNE Hazardous Materials Responses	----
7	N	New Jersey State Police Office Emergency Mgmt., Emergency Operations Plan Review Data	----



GROUP 7 – EXHIBITS INTRODUCED AT or AFTER THE HEARING

Group	Exhibit	Exhibit Title	Panel(s)
7	O	New Jersey Dept. of Health - Vinyl Chloride exposure study of the community and local emergency responders	----
7	P	New Jersey State Police Office Emergency Mgmt., Emergency Operations Plan Review Data	----
7	Q	Conrail ICS 201, ICS 202 Forms and Notes Supplied During the Response	----
7	R	New Jersey Dept. of Health compliance data for local fire departments compared to national compliance information	----
7	S	Paulsboro Hearing Posters	----
7	T	Paulsboro Hearing Agenda	----
7	U	Paulsboro Hearing Brochure	----
7	V	Paulsboro Hearing Exhibits List	----
7	W	IAFC Proposed Findings Submission 49CFR 845.27	----
7	X	State of New Jersey Proposed Findings Submission 49CFR 845.27	----
7	Y	Paulsboro Proposed Findings Submission 49CFR 845.27	----

