

## Exhibit 14.

## NS Railway - Document Submissions

- NS Railway - Timeline<sup>158</sup>
- NS - Supplementary Documentation<sup>159</sup>

## Notes –

Documentation enclosed in this Exhibit is unedited and as received from the organization.

The “Wheel Report” (page 2 of the Timeline document), which is indicated in the document to be attached to the document, was not located in the received documentation.

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<sup>158</sup> Ref NS correspondence dated 07 Oct. 2005, which replaced an earlier NS Timeline document (to correct technical errors in the original NS Timeline document), which was received by NTSB subsequent to the completion of this Factual Report document, but inserted in this Factual Report, nonetheless, as this Factual Report document had not yet been placed into the NTSB public docket.

<sup>159</sup> Ref NS correspondence dated 20 Sept. 2005, and subsequent corresponding NS document submission (12 Attachments, as referenced in the 20 Sept. 2005 correspondence), received by NTSB on 26 Sept. 2005.



**NORFOLK  
SOUTHERN**

Norfolk Southern Corporation  
Environmental Protection  
110 Franklin Road, S.E.  
Roanoke, Virginia 24042-0013

October 7, 2005

Ref: DCA 05 MR 008

File: 1-9-SC-GRNV-D19414

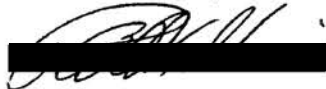
Mr. Richard Downs  
Survival Factors- Working Group Chairman  
National Transportation Safety Board  
Office of Railroad, Pipeline, and Hazardous  
Materials  
409 L'Enfant Plaza  
Washington, DC 20594

Mr. Jim Henderson  
Hazardous Materials - Working Group Chairman  
National Transportation Safety Board  
Office of Railroad, Pipeline, and Hazardous  
Materials  
409 L'Enfant Plaza  
Washington, DC 20594

Dear Mr. Downs:

This refers to your email of October 6 concerning the time when the Graniteville incident occurred and when the engineer of Train 192 made the emergency call to the dispatcher. We have reviewed the various records we have and concur with you that the incident took place about 2:39 AM based on the engineer's two tape-recorded conversations with the dispatcher on January 6. These transcribed conversations can be found at NTSB\_000011. The emergency call to the dispatcher by the engineer took place at 2:40 and eleven seconds AM based on the transcript of that call. The dispatcher called the NS Police Communications Center ("PCC") at 2:40 AM based on the Dispatcher Incident Check List, and the PCC in turn called the Aiken County Sheriff's Department at about 2:41 AM. The PCC call to the Sheriff's Department was completed at 2:42 and ten seconds AM based on the Roanoke PBX records. For further accuracy, we have added references as to when transmittal of the consist information that was being faxed to the Bath Fire Department and the South Carolina Highway Patrol was completed, that is, at 3:01 AM and 3:22AM, respectively. The latter information is also based on the Roanoke PBX records. We also added an interim reference indicating the railroad's inability to contact Aiken 911 shortly after the accident due to the overwhelming number of emergency calls Aiken 911 was receiving from the public, which tied up the Aiken 911 system.

We regret our earlier inadvertent reference to 2:38 AM as the time when the engineer called the dispatcher. This appears to have been a typographical error that was continually overlooked. The attached revised and final NS Timeline incorporate the foregoing changes and is being sent to the NTSB to ensure accuracy. NS appreciates your calling this matter to our attention and giving us this opportunity to correct the NS Timeline. Please substitute this NS Timeline as our final one.



Paul B. Williams

Cc: C.J. Wehrmeister  
A.G. Jordan  
R.P. Russell  
F.M. Caudill

000095

## Emergency Response Timeline by Norfolk Southern Railway Company ("NS")

### *Accident at Graniteville, SC*

*January 6, 2005*

The January 6 portion of following summary is based primarily on the transcripts of the tape-recorded calls placed or received by the NS Greenville Dispatching Office ("NS-Dispatch") and the NS Police Communications Center ("NS-PCC") on January 6, 2005, as well as documents relating to the January 6, 2005 accident at Graniteville, SC provided to the NTSB by NS. This portion summarizes communications by the NS-PCC and NS-Dispatch to activate emergency response and to provide responding parties and other government agencies with available information. A copy of these transcriptions and the wheel report for Train 192 referenced below is being emailed to the NTSB as separate attachments to this summary.

The times noted on January 6 are approximate since the time clocks on the tape-recording systems for NS-Dispatch and NS-PCC appear to differ by approximately 5 minutes. For example, there is a call recorded on both taping systems that occurs at 2:41:16 on the dispatching tapes and 2:36:10 on the PCC tapes. In order to put events in order, PCC times were converted to dispatching times in the "Time" column below.

The balance of the summary (January 6-19) is based largely on discussions with NS outside contractors and their field notes as well as the EPA's Situation Reports, which comprehensively itemize the various response actions taken on a daily basis between January 6 and 19 by NS, the NS contractors and the involved agencies. NS and its contractors worked in very close coordination with the EPA, the South Carolina Department of Health and Environmental Control, the Aiken County Sheriff's Department and the local fire departments, among others, under the Unified Command structure during the emergency situation.

#### Thursday, January 6, 2005

| Time              | Event(s)   |
|-------------------|--|
| Approx.<br>2:39AM | Incident occurred. This approximate time is based on comparing the two tape recorded calls made by the engineer to the dispatcher on January 6, one at 2:39 and 17 seconds AM when the engineer called out the Vacluse switch indicator to the dispatcher and the engineer's subsequent emergency call to the dispatcher at 2:40 and eleven seconds AM. See NTSB_000011                |
| Approx.<br>2:40AM | Crew member of Train 192 notifies NS-Dispatch that Train 192 has collided with a standing train located on the siding at Graniteville, SC, requests an ambulance, and says he thinks he is bleeding. There was no mention of a release of any chemical or that any cars had derailed. (Information based transcript of emergency call to dispatcher by train engineer at NTSB_000011.) |
| Approx.<br>2:40AM | NS-Dispatch calls NS-PCC to report the collision and possible injury. (Information based on Dispatcher Incident Check List.)   |
| Approx.<br>2:41AM | NS-PCC calls Aiken County Sheriff's Department, reports accident, and requests EMS response. This call was completed at 2:42 and ten seconds AM based on Roanoke PBX records.  |



|                            |   |
|----------------------------|---|
| Approx.<br>2:45AM          | Aiken County Sheriff's Office calls NS-Dispatch about possible derailment, says fire department en route to the scene, also says someone has reported a chemical spill, with no details.  |
| Interim                    | Railroad efforts to reach Aiken 911 unsuccessful.   |
| Approx.<br>2:58AM          | Bath Fire Department calls NS-PCC, reports accident and some kind of chemical spill, states that people cannot get close enough to trains to identify numbers or contents, and requests a list of hazmats on train. NS-PCC faxes 3-page scanned consist to Bath Fire Department. Faxed call was completed at 3:01AM based on Roanoke PBX records. Consist which details car numbers and contents, is hand delivered to Fire Chief Napier by the Bath Fire Department. |
| Shortly before<br>3:00AM   | Copy of wheel report for Train 192 faxed to NS-Dispatch (Piedmont) by Transportation Clerk in Nixon Yard in Augusta; wheel report identifies car contents and emergency information. (Copy of wheel report attached.)   |
| Shortly after<br>3:00AM    | The above Transportation Clerk speaks on the phone with Fire Chief Napier and identifies exactly what is in cars of Train 192 and where they were in the train.   |
| Approx.<br>3:04AM          | EPD on-call hazmat person notified by NS-PCC of accident.   |
| Approx.<br>3:16-<br>3:18AM | NS-PCC attempts to reach Aiken County 911 and Aiken Sheriff's Department, but gets no answer.   |
| Approx.<br>3:18AM          | NS-PCC calls South Carolina Highway Patrol for update on the crew, reports that county is not answering non-emergency lines, advises that hazmats on the train include chlorine and sodium hydroxide, and then faxes 3-page scanned consist to South Carolina Highway Patrol. Faxed call completed to Highway Patrol at 3:22AM based on Roanoke PBX records.  |
| Approx.<br>3:25AM          | CTEH contacted by NS Industrial Hygienist to fly to scene ASAP.   |
| Approx.<br>3:29-<br>3:33AM | Aiken County Sheriff's Office calls NS-Dispatch, requests NS to send its HAZMAT team, advises that Aiken County, Fort Gordon, and Savannah River Hazmat teams are responding, reports that the Sheriff's office is evacuating a large area and that there are people trapped in a mill. NS-Dispatch conveys foregoing information to NS environmental response personnel.   |
| About<br>3:30AM            | Supervisor Special Agent from Columbia and Terminal Trainmaster from Augusta arrive at first Command Center at the Honda parking lot in Aiken. Supervisor Special Agent gives a copy of the one-page consist to either Chief Napier someone working with the Fire Chief. The above Terminal Trainmaster, who had brought the one-page consist with him, was told by Fire Chief Napier that he already had a copy of the train information.                            |
| Approx.<br>3:34AM          | NS-Dispatch reports accident and train contents to CHEMTREC.  |
| Approx.<br>3:39AM          | NS-PCC gets through to Aiken County Sheriff's Office, which advises that fire units on scene are reporting release of sodium hydroxide and that workers are trapped in the mill.  |

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|----------------------------|--|
| Approx.<br>3:41AM          | NS-Dispatch notifies South Carolina Department of Health and Environmental Control ("DHEC") of accident and unknown release.   |
| Approx.<br>3:54AM          | Unidentified caller (presumably fire department person) called CHEMTREC to report derailment, injury and sodium hydroxide leak.  |
| Approx.<br>3:58AM          | South Carolina DHEC calls NS-Dispatch to confirm information DHEC has received so far on accident.   |
| Approx.<br>4:00AM          | Another trainmaster hands copy of consist to Aiken County Sheriff's Deputy at Command Center.  |
| pprox.<br>4:00AM           | NS Atlanta Control Center reports derailment and hazmat release to the National Response Center (suspected chlorine).  |
| Approx.<br>4:10AM          | NS environmental employee speaks with CHEMTREC about possibility that release could be chlorine and relays there is a cloud; CHEMTREC advises that CHLOREP already has been activated and is on the way.   |
| Approx.<br>4:25AM          | Unidentified local sheriff's department reports to NS-PCC that the release is sodium hydroxide and creosol.  |
| Approx.<br>4:30AM          | Hulcher Services, Inc., contacted by NS Mechanical to come to derailment scene and bring its hazmat team based in Atlanta.   |
| Approx.<br>4:36AM          | Hepaco is called by EPD to respond ASAP. Hepaco crews dispatched from Augusta, Atlanta, Charlotte, Ashville, Charleston and Birmingham.  |
| Approx.<br>4:40AM          | R.J. Corman Railroad Group (derailment services) called to respond to derailment. First unit (called at 4:40 AM) arrived from Atlanta about 9:30 AM. Second replacement group from Nashville called at 11 AM and had ETA of 7-9PM.   |
| Approx.<br>4:48AM          | CHEMTREC calls NS-Dispatch to advise all shippers notified.  |
| Approx.<br>4:51AM          | EPA contacts NS-Dispatch, indicates that EPA already has been talking with NS environmental personnel about accident.  |
| Approx.<br>4:55-<br>5:00AM | NS-Dispatch faxes 12-page list of hazardous materials on Train 192, with emergency hazmat information on chlorine and sodium hydroxide, to Aiken County 911.   |
| Approx.<br>5:00AM          | Supervisor Special Agent arrives at the Command Center at K-Mart to provide additional assistance.   |
| Approx.<br>5:03AM          | NS environmental employee faxes over 37 pages of information (including train consist and emergency information) to Aiken County 911.  |
| Approx.<br>5:15AM          | NS environmental employee called Aiken County 911 to confirm receipt of consist and emergency information. Told no evacuation and local population told to stay in place, with emergency personnel to assist them out. Command Center reported green cloud observed and strong "Clorox" smell. |
| Approx.<br>5:22AM          | NS environmental employee updates CHEMTREC and reports emergency responders are advising the railroad that the chemicals leaking were sodium hydroxide and creosol.  |

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| Approx.<br>5:28AM          | NS environmental employee faxed consist to Hepaco.  |
| Approx.<br>5:30AM          | NS environmental employee calls CHEMTREC and requests reactivation of Chlorex because of reports of a chlorine smell in air. Was advised Chlorex never stepped down.  |
| Approx.<br>5:45AM          | The Hepaco crew from Augusta was first NS outside contractors to arrive. The remaining crew members arrived on site throughout the day.   |
| Approx.<br>5:50AM          | Hulcher again called by NS EPD and requested to send additional hazmat response personnel and supplies for probable chlorine leak ASAP to scene; Hulcher also bringing contractor Specialized Response Solutions.   |
| Approx.<br>6:16-<br>6:20AM | South Carolina DHEC informs NS-PCC that there are reports that chlorine was released in the accident. NS-PCC calls Aiken County Sheriff's Office to report what DHEC had reported to it. Aiken County responds that it has not heard of a chlorine release but advises that residents have been told to stay inside and close windows, doors and ventilation systems and that decontamination centers have been set up. |
| Approx.<br>6:24AM          | NS-Dispatch receives call from FRA in Atlanta, which requests additional information about the accident; NS-Dispatch offers to fax a consist, advises FRA that emergency responders have not been able to get close enough to confirm what has been released, but advises that a chlorine release is suspected.   |
| Approx.<br>6:24AM          | Aiken County 911 advises NS-PCC officer that there have been no reports of a chlorine release.  |
| Approx.<br>6:26AM          | Contractors Hepaco, additional Hulcher personnel and SRS and shipper Olin on the way to scene. Approx. 6:25 AM the State Warning Point Number was called by NS.   |
| Approx.<br>6:57AM          | Department of Homeland Security, Transportation and Security Administration in Herndon, VA calls NS-Dispatch to find out the chemicals and quantities released. NS-Dispatch advises that it is unclear what is being released because no one can get close enough to the scene, but that it is possibly chlorine or sodium hydroxide.   |
| Approx.<br>7:00AM          | A NS Special Agent and Aiken County Fire Department responders, all using proper PPE, arrive at actual wreck site. Jumble of wreckage makes it difficult to determine which car is leaking.   |
| Approx.<br>8AM             | Source of leak determined to be ninth car in consist.   |
| 9:00AM                     | NS advised by shipper through CHEMTREC that green cloud must be chlorine and not from rosin residue tank car.   |
| 9:00AM                     | Hulcher derailment services and hazmat team from Atlanta arrive at Command Center (old K-Mart).   |
| 9:08AM                     | CTEH arrives at Command Center.   |
| 10:00AM                    | Evacuation/shelter in place orders issued by local emergency management officials.  |
| 10:09AM                    | After reviewing Governor's video taken from helicopter ride of scene, Hulcher four-man hazmat team from Atlanta enter site in Level A protection to recon wreckage scene to take pictures and to render advice to the authorities in determining best response approach.  |

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| 10:15AM      | CTEH establishes air and meteorological strategic sites around incident scene to transmit data to CTEH's "central control".   |
| 10:30AM      | EPD HQ staff, the Chlorine Go-Team and supplies dispatched from Roanoke to Augusta, GA by corporate jet along with Claims personnel; NS Hazmat Trailer mobilized from Roanoke.              |
| 10:50AM      | Call to CHEMTREC from Eisenhower Medical Center; request information on chlorine.   |
| 12:00-1:00PM | Hepaco hazmat crew in proper PE recon wreck site to conduct survey and take photographs and video for evaluation of situation by emergency responders. Noted fuel oil leak from locomotive. |
| 2:00PM       | Additional Hulcher hazmat team arrives at K-Mart Command Center. NS Go Team from Roanoke arrives about 2:30 at the Command Center.  |
| 3:30PM       | Hulcher High hazard Team in Level B PPE enters site to check tank car pressure and perform initial "hands on" damage assessment of the three derailed chlorine tank cars.                   |
| 4:00PM       | Hepaco placed and monitored boom in Horse Creek to limit impact of diesel fuel that had spilled after the derailment.   |
| 4:45PM       | Hulcher High Hazard Team meets with NS staff to discuss course of action.   |
| 8:30PM       | Work Plan approved by NS, State and local agencies to apply a temporary patch while a permanent patch was built.  |
| 11:00PM      | Hulcher supervision enters site in Level B PPE to uncouple upright cars from derailed cars.   |

#### **Friday, January 7, 2005**

|         |   |
|---------|---|
| 1:30Am  | Wreck clearing operations begin.  |
| 7:00AM  | Meeting held with authorities to discuss ways to better coordinate site activities and secure consensus on appropriate response action. |
| 11:00AM | All work at site stopped so local fire department could enter site for search, rescue and recovery efforts.                             |
| 9:15PM  | Response efforts resumed.   |

#### **Saturday, January 8, 2005**

|         |  |
|---------|--|
| 7:00AM  | Local fire department recovery efforts still ongoing. No wrecking or patching work allowed.      |
| 11:30AM | Response operations resumed.   |
| 12:00PM | CTEH begins remediation. Surface water monitoring starts.  |
| 7:00PM  | Transfer begins on GATX 58326 (sodium hydroxide) car.  |
| 8:50PM  | First temporary patch to stop leak from breeched GATX 900270 applied, but it subsequently fails. |

#### **Sunday, January 9, 2005**

|              |   |
|--------------|---|
| 12:00-2:59AM | Wrecking operations ongoing to move damaged chlorine cars to reposition for transfer. |
| 3:00AM       | Work stopped due to chlorine release from damaged chlorine tank car GATX 900270.      |
| 3:37AM       | Second temporary (poly) patch applied to UTLX 900270.                                 |
| 7:00AM       | NS and Hulcher meet to discuss release and future damaged car-positioning             |

|                |   |
|----------------|---|
|                | tactics.  |
| 3:00PM         | Hulcher work stopped to allow access to county's 911 switch to assess and photograph possible damage.   |
| 3:30PM         | Transfer of GATX 58326 (sodium hydroxide car) completed into tank truck and then frac tanks. The plan was to sparge the chlorine by negative pressure from the damaged car in the sodium hydroxide to form bleach to allow for removal of a stable product from the site. |
| 5:00PM         | Hulcher re-enters site to continue wrecking operations.   |
| 7:00PM         | Contractors over several days add lime-slurry to incident scene area to aid in preventing chlorine release from the soils near the damaged chlorine rail car.   |
| 9:30PM         | Hulcher derailment services operations shut down due to impending renewed patch efforts on leaking chlorine car.  |
| Time Uncertain | Fish kill reported in Langley Pond by fish believed to have washed downstream from Horse Creek.   |

#### **Monday, January 10, 2005**

|               |  |
|---------------|--|
| 6:30AM        | Hulcher starts to move damaged chlorine car UTLX 900270 to more stable location. Car moved by 9 AM.  |
| 8:30AM        | Hulcher operations stopped to allow chlorine fumes from damaged car to dissipate.  |
| 9:30AM        | Jet pump on holed chlorine car fails. Pump replaced and operations resumed.  |
| 10:00AM       | Hulcher returns to wrecking operations.  |
| 4:00 - 7:00PM | Work on resetting patch to minimize leak potential.  |
| 7:00PM        | Permanent steel patch being built to plug breached UTLX 900270.  |
| 8:00PM        | Hulcher (derailment services) operations shut down for evening while transfer of product from SBLX 14146, a non-leaking, but derailed chlorine tank car, begins. Transfer is done in two phases: phase 1 at 12:10 pm on January 10 and phase 2 at 11:30 am January 11. |
| Evening       | Began working on Reoccupation Fact Sheet.  |

#### **Tuesday, January 11, 2005**

|        |   |
|--------|---|
| 8:45AM | Hulcher returns and starts tie down operations on damaged rail cars removed from derailment.          |
| 9:00AM | Reentry Committee met to initiate the formalization of the reentry plan.                              |
| 2:00PM | Transfer of chlorine from SBLX 14146 completed.   |
| 2:45PM | Hulcher repositions GATX 17105 upright and positions it for product transfer. SBLX 14146 moved.       |
| 3:00PM | First bolts attached to UTLX 900270 to commence process of applying steel permanent patch to the car. |

#### **Wednesday, January 12, 2005**

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|--------|--|
| 1:10AM | Transfer of chlorine tank car GATX 17105 begins. |
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| 9:30AM | Process of applying bolts and installing steel permanent patch to UTLX 900270 completed. |
| 2:10PM | Transfer of chlorine from GATX 17105 completed.  |
| 3:00PM | Hulcher resumes wreck-clearing operations.   |
| 7:00PM | Reoccupation Fact Sheet distributed to the public.                                       |

**Thursday, January 13, 2005**

|         |   |
|---------|---|
| 12:00AM | Wreck clearing, track repair and loading up of damaged cars continue.   |
| 8:30AM  | Reoccupation begins in stages.  |
| 2:30PM  | Wreck clearing operation suspended due to pressure rise in car into which product from UTLX 900270 (chlorine car with patch) was being sparged. |
| 6:30PM  | Hulcher holds meeting to discuss what caused the pressure spike and how to prevent future pressure spikes.                                      |
| 7:00PM  | Work crews return to site and resume operations.  |

**Friday, January 14, 2005**

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|--|--|
|  | Wreck clearing operations and chlorine transfer and site restoration continue. |
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|  |  |
|  |  |

**Saturday, January 15, 2005**

|  |   |
|--|---|
|  | Wreck clearing operations, chlorine transfer and site restoration continue. |
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**Sunday, January 16, 2005**

|  |   |
|--|---|
|  | Wreck clearing operations and chlorine transfer continue. |
|--|---|

**Monday, January 17, 2005**

|  |   |
|--|---|
|  | Wreck clearing operations and chlorine transfer continue. |
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**Tuesday, January 18, 2005**

|          |   |
|----------|---|
| 8:00AM   | Door-to-door inspections of remaining downtown Graniteville residences take place.      |
| 10:45AM  | Hulcher derailment services personnel released.   |
| Midnight | Chlorine vapor transfer from UTLX 900270 complete. No liquid chlorine remaining in car. |

**Wednesday, January 19, 2005**

|        |                                      |
|--------|--------------------------------------|
| 1:00AM | Begin purge of tank car UTLX 900270. |
| 2:30PM | Purge of UTLX 900270 complete.       |

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| 7:30PM | Hulcher hazmat crews released.  |
| 9:00PM | Hulcher derailment crew, who had returned from Atlanta for the load out of UTLX 900270, was released. |





**NORFOLK  
SOUTHERN**

Norfolk Southern Corporation  
Environmental Protection  
110 Franklin Road, S.E.  
Roanoke, Virginia 24042-0013

September 20, 2005

Ref: DCA 05 MR 008

File: 1-9-SC-GRNV-D19414

Via Overnight Delivery

Mr. Richard Downs  
Survival Factors- Working Group Chairman  
National Transportation Safety Board  
Office of Railroad, Pipeline and Hazardous  
Materials Investigation  
409 L'Enfant Plaza  
Washington, D.C. 20594

**RE: Survival Factors Factual Draft Report**

Dear Mr. Downs:

This refers to your email of September 16, 2005 on the captioned draft report wherein you request that Norfolk Southern Railway Company resubmit those documents which it wants included as the new exhibit referenced in Section 7.2.3 of the captioned draft report. In addition to the documents submitted by Norfolk Southern's August 11, 2005 submission to the NTSB, another copy of which material is attached hereto, Norfolk Southern asks that the following documents also be included in the new exhibit. These documents have also been bated stamped. Thus you have a complete package for your ready use for the new exhibit.

1) Excerpt from the NS Roanoke PBX records for the NS Police Communications Center ("PCC") showing NS PCC phone call to Aiken's Sheriff's Department at (803) 648-6811 to advise of the accident. These records show this call was completed at 2:42 AM.

2.) Excerpt from the NS Roanoke PBX records for the NS PCC showing that the fax call to the Bath Fire Department (803-593-2997) was completed at 3:01 AM. The scanned consist was faxed to the Bath Fire Department by NS Police Communication Officer Gale Stone at the request of Brandon Padillo of the Bath Fire Department so the information could be hand carried to the emergency responders closest to the scene.



Mr. Richard Downs  
September 20, 2005  
Page 2

3.) Excerpt from the NS Roanoke PBX records for the NS PCC showing PCC faxed the scanned consist to the South Carolina State Police. This call was completed at 3:22:13 AM. Call was made to (803) 901-9620.

4.) NS PCC CAD call information with explanation of CAD system. Note times reflected in the right hand column reflect the times when information was typed into the system by the PCC staff after events (such as conversations) happened. The events themselves, when measured again phone records, actually occurred about five or so minutes earlier than seemingly indicated on the CAD report.

5) Scanned consist faxed to Bath Fire Department and South Carolina Highway Patrol by the NS PCC at times shown in (2) and (3) above.

6.) Consist relied upon by Transportation Clerk Tom Mitchell to relay hazmat information verbally to Fire Chief Napier over the phone about 3:00 AM or shortly thereafter. See NTSB NTSB\_000381-NTSB\_000415.

7.) One-page consist faxed to Aiken County 911 by Dispatcher's Office between 4:00 and 4:30 AM on January 6 and additional hazmat information faxed by the Dispatcher's Office to Aiken County 911 about 5:00 AM.

8.) Chemtrec Report.

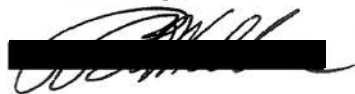
9.) NS Control Center NRC / NTSB report.

10.) NRC Report # 746298.

11.) Train consist and technical information faxed by Bill Oertly of the NS Environmental Protection Department in Roanoke to Aiken County 911

12.) Bill Oertly's notes.

Sincerely,



000105

**ATTACHMENT 1**

Excerpt from Norfolk Southern PBX Roanoke, VA Call Log

January 6, 2005

2:19 a.m. to 2:46 a.m.

000106

000107

NTSB\_000537

|             |      |      |   |     |             |      |   |     |     |   |
|-------------|------|------|---|-----|-------------|------|---|-----|-----|---|
| 01-06-2005  | 0219 | 0010 | 9 | 171 | 5826700     | 195  | 2 | 010 | 250 | 4 |
| 01-06-2005  | 0220 | 0031 | 7 | 196 | 18006247503 | 4913 | 2 |     | 300 | 4 |
| 01-06-2005  | 0221 | 0006 | 9 |     | 3986        | 196  | 0 | 470 |     | 0 |
| 01-06-2005  | 0221 | 0016 | 9 | 141 | 9438057     | 178  | 3 | 440 | 130 | 4 |
| 01-06-2005  | 0222 | 0030 | 7 | 171 | 5895944     | 4233 | 5 |     | 260 | 4 |
| 01-06-2005  | 0223 | 0008 | 7 | 171 | 6582381     | 4939 | 5 |     | 310 | 4 |
| 01-06-2005  | 0225 | 0000 | 7 | 171 | 6583910     | 5810 | 5 |     | 350 | 4 |
| 01-06-2005  | 0227 | 0059 | 9 | 142 | 9264442     | 171  | 3 | 470 | 030 | 4 |
| 01-06-2005  | 0229 | 0009 | 7 | 198 | 4447207     | 6053 | 5 |     | 210 | 4 |
| 01-06-2005  | 0229 | 0014 | 9 | 198 | 5401474     | 172  | 2 | 050 | 190 | 4 |
| 01-06-2005  | 0229 | 0004 | 9 | 142 | 9264321     | 178  | 3 | 450 | 040 | 4 |
| 01-06-2005  | 0231 | 0006 | 9 | 171 | 6582076     | 195  | 2 | 020 | 440 | 4 |
| 01-06-2005  | 0232 | 0002 | 9 |     | 3904        | 195  | 0 | 470 |     | 0 |
| 01-06-2005  | 0233 | 0026 | 7 | 171 | 6582156     | 4739 | 5 |     | 430 | 4 |
| 01-06-2005  | 0234 | 0018 | 7 | 171 | 5211467     | 5365 | 5 |     | 470 | 4 |
| 01-06-2005  | 0235 | 0007 | 9 |     | 2677        | 141  | 3 | 100 |     | 0 |
| 01-06-2005  | 0235 | 0009 | 9 | 142 | 9264342     | 171  | 3 | 470 | 060 | 4 |
| 01-06-2005  | 0235 | 0037 | 9 | 142 | 9264238     | 194  | 2 | 040 | 050 | 4 |
| 01-06-2005  | 0235 | 0019 | 9 | 171 | 5291961     | 195  | 2 | 030 | 250 | 4 |
| 01-06-2005  | 0237 | 0006 | 7 | 171 | 6582081     | 3905 | 5 |     | 490 | 4 |
| 01-06-2005  | 0237 | 0004 | 7 | 171 | 5896041     | 4351 | 5 |     | 520 | 4 |
| 01-06-2005  | 0237 | 0007 | 9 | 196 | 15403437226 | 171  | 3 | 470 | 320 | 0 |
| 01-06-2005  | 0238 | 0014 | 7 | 178 | 12604719258 | 5708 | 5 |     | 100 | 4 |
| 01-06-2005  | 0238 | 0031 | 9 |     | 3901        | 196  | 0 | 480 |     | 0 |
| 01-06-2005  | 0238 | 0007 | 9 |     | 6230        | 196  | 0 | 490 |     | 0 |
| 01-06-2005  | 0239 | 0005 | 9 | 198 | 2456196     | 172  | 2 | 040 | 220 | 4 |
| 01-06-2005  | 0239 | 0015 | 9 |     | 4739        | 158  | 2 | 030 |     | 0 |
| 01-06-2005  | 0240 | 0008 | 9 | 171 | 5896041     | 158  | 2 | 040 | 250 | 4 |
| 01-06-2005  | 0240 | 0018 | 9 |     | 2677        | 171  | 3 | 470 |     | 0 |
| 01-06-2005  | 0241 | 0004 | 9 | 172 | 4831260     | 178  | 3 | 450 | 200 | 4 |
| 01-06-2005  | 0242 | 0005 | 9 |     | 6230        | 196  | 0 | 470 |     | 0 |
| 01-06-2005  | 0242 | 0016 | 7 | 142 | 9264243     | 5177 | 5 |     | 070 | 4 |
| 01-06-2005  | 0242 | 0007 | 9 |     | 6053        | 171  | 3 | 470 |     | 0 |
| 01-06-2005  | 0242 | 0072 | 7 | 171 | 6720740     | 3836 | 5 |     | 280 | 4 |
| *01-06-2005 | 0242 | 0010 | 7 | 178 | 18036486811 | 5708 | 5 |     | 110 | 4 |
| 01-06-2005  | 0242 | 0005 | 9 |     | 6230        | 196  | 0 | 480 |     | 0 |
| 01-06-2005  | 0244 | 0005 | 9 |     | 6230        | 196  | 0 | 470 |     | 0 |
| 01-06-2005  | 0245 | 0005 | 9 |     | 6230        | 196  | 0 | 470 |     | 0 |
| 01-06-2005  | 0245 | 0022 | 7 | 178 | 13037764844 | 5042 | 5 |     | 260 | 4 |
| 01-06-2005  | 0245 | 0045 | 9 | 171 | 5896580     | 146  | 2 | 040 | 290 | 4 |
| 01-06-2005  | 0246 | 0005 | 9 |     | 6230        | 196  | 0 | 470 |     | 0 |
| 01-06-2005  | 0246 | 0001 | 9 | 142 | 9264281     | 194  | 2 | 010 | 090 | 4 |

Attachment A

**ATTACHMENT 2**

Excerpt from Norfolk Southern PBX Roanoke, VA Call Log

January 6, 2005

PCC Fax Call to Bath Fire Department

000108

NTSB\_000538

Gail below is an explanation of the fields in the big report.

|            |      |      |   |     |             |      |   |     |   |
|------------|------|------|---|-----|-------------|------|---|-----|---|
| 01-06-2005 | 0301 | 0010 | 7 | 178 | 18035932997 | 4063 | 5 | 280 | 4 |
| 01-06-2005 | 0322 | 0013 | 7 | 178 | 18038969620 | 4063 | 5 | 430 | 4 |

01-06-2005 = Date

0301 = Time (hrs-min)

0010 = Time (Tenths)

7 = Condition Code (7 means a call handled by the AAR table) -technical doesn't really affect the call

178 = Trunk group number (178 = Roanoke's SDN trunks) SDN is where all long distance calls rout to AT&T

18035932997 = Number dialed

4063 = Ext called from ( would be Roanoke ext 981-4063 - FAX Police Command Center )

5 = FRL (the FRL number determines what type of calls a certain extension can make )

280 = Trunk member number - (shows that the call went out member number 28, and we have 72)

4 = Feature Flag (4 indicates a voice call -even though this was a fax its still considered voice)

000109

000110

NTSB\_000540

|            |      |      |   |     |             |      |         |   |     |       |
|------------|------|------|---|-----|-------------|------|---------|---|-----|-------|
| 01-06-2005 | 0300 | 0018 | 9 |     | 6053        | 178  |         | 3 | 450 | 0     |
| 01-06-2005 | 0300 | 0008 | 9 |     | 6053        | 171  |         | 3 | 470 | 0     |
| 01-06-2005 | 0300 | 0033 | 7 | 195 | 3284156     | 3836 |         | 5 | 020 | 4     |
| 01-06-2005 | 0300 | 0010 | 9 |     | 4739        | 171  |         | 3 | 460 | 0     |
| 01-06-2005 | 0301 | 0010 | 7 | 178 | 18035932997 | 4063 |         | 5 | 280 | 4     |
| 01-06-2005 | 0301 | 0007 | 9 |     | 5309        | 196  |         | 0 | 500 | 0     |
| 01-06-2005 | 0301 | 0002 | 9 |     | 5309        | 196  |         | 0 | 470 | 0     |
| 01-06-2005 | 0301 | 0034 | 9 |     | 5309        | 196  |         | 0 | 490 | 0     |
| 01-06-2005 | 0302 | 0003 | 9 |     | 5309        | 196  |         | 0 | 470 | 0     |
| 01-06-2005 | 0302 | 0059 | 9 |     | 5308        | 196  |         | 0 | 480 | 0     |
| 01-06-2005 | 0302 | 0001 | 9 | 169 | 6292003     | 172  |         | 2 | 010 | 130 4 |
| 01-06-2005 | 0304 | 0003 | 7 | 141 | 4935433     | 5042 |         | 5 | 150 | 4     |
| 01-06-2005 | 0305 | 0002 | 9 | 169 | 5394084     | 141  |         | 3 | 110 | 140 4 |
| 01-06-2005 | 0305 | 0004 | 7 | 166 | 9245535     | 4739 |         | 5 | 050 | 4     |
| 01-06-2005 | 0305 | 0016 | 9 |     | 6010        | 196  |         | 0 | 470 | 0     |
| 01-06-2005 | 0306 | 0003 | 9 |     | 6942        | 196  |         | 0 | 480 | 0     |
| 01-06-2005 | 0306 | 0009 | 7 | 198 | 5401474     | 6053 |         | 5 | 030 | 4     |
| 01-06-2005 | 0306 | 0024 | 7 | 178 | 17175412138 | 3943 |         | 5 | 300 | 4     |
| 01-06-2005 | 0307 | 0019 | 7 | 145 | 2284228     | 5706 |         | 5 | 070 | 4     |
| 01-06-2005 | 0308 | 0006 | 9 |     | 3904        | 196  |         | 0 | 470 | 0     |
| 01-06-2005 | 0309 | 0013 | 7 | 196 | 18004760151 | 5973 |         | 5 | 270 | 0     |
| 01-06-2005 | 0309 | 0009 | 9 | 178 | 14233606988 | 179  | 3212805 | 7 | 030 | 330 4 |
| 01-06-2005 | 0310 | 0001 | 7 | 196 | 9893648     | 4254 |         | 5 | 280 | 4     |
| 01-06-2005 | 0312 | 0011 | 7 | 178 | 18032406949 | 5708 |         | 5 | 350 | 4     |
| 01-06-2005 | 0312 | 0014 | 7 | 142 | 9264238     | 6053 |         | 5 | 170 | 4     |
| 01-06-2005 | 0312 | 0003 | 9 | 142 | 9264281     | 194  |         | 2 | 030 | 180 4 |
| 01-06-2005 | 0312 | 0000 | 7 | 171 | 6583910     | 5810 |         | 5 | 590 | 4     |
| 01-06-2005 | 0312 | 0001 | 9 |     | 3904        | 171  |         | 3 | 460 | 0     |
| 01-06-2005 | 0312 | 0070 | 7 | 171 | 6720740     | 3836 |         | 5 | 470 | 4     |
| 01-06-2005 | 0313 | 0016 | 9 | 171 | 5412158     | 172  |         | 2 | 240 | 580 4 |
| 01-06-2005 | 0313 | 0040 | 7 | 171 | 5826700     | 4323 |         | 5 | 540 | 4     |
| 01-06-2005 | 0314 | 0004 | 7 | 178 | 18035932997 | 4063 |         | 5 | 360 | 4     |
| 01-06-2005 | 0315 | 0022 | 9 |     | 4739        | 142  |         | 2 | 170 | 0     |
| 01-06-2005 | 0315 | 0013 | 9 | 171 | 5291527     | 142  |         | 2 | 180 | 020 4 |
| 01-06-2005 | 0316 | 0013 | 9 |     | 6053        | 171  |         | 3 | 470 | 0     |
| 01-06-2005 | 0316 | 0050 | 7 | 196 | 18008984296 | 5974 |         | 5 | 290 | 4     |
| 01-06-2005 | 0316 | 0001 | 7 | 178 | 18036421769 | 5708 |         | 5 | 380 | 4     |
| 01-06-2005 | 0316 | 0002 | 9 |     | 6116        | 178  |         | 3 | 440 | 0     |
| 01-06-2005 | 0316 | 0015 | 9 | 142 | 9264472     | 178  |         | 3 | 450 | 010 4 |
| 01-06-2005 | 0317 | 0003 | 9 |     | 4739        | 196  |         | 0 | 470 | 0     |
| 01-06-2005 | 0317 | 0004 | 9 | 142 | 9264467     | 171  |         | 3 | 460 | 020 4 |
| 01-06-2005 | 0317 | 0006 | 9 |     | 5919        | 171  |         | 3 | 450 | 0     |

**ATTACHMENT 3**

Excerpt from Norfolk Southern PBX Roanoke, VA Call Log

January 6, 2005

PCC Fax Call to South Carolina Highway Patrol

000111

Gail below is an explanation of the fields in the big report.

|            |      |      |   |     |             |      |   |     |   |
|------------|------|------|---|-----|-------------|------|---|-----|---|
| 01-06-2005 | 0301 | 0010 | 7 | 178 | 18035932997 | 4063 | 5 | 280 | 4 |
| 01-06-2005 | 0322 | 0013 | 7 | 178 | 18038969620 | 4063 | 5 | 430 | 4 |

01-06-2005 = Date

0301 = Time (hrs-min)

0010 = Time (Tenths)

7 = Condition Code (7 means a call handled by the AAR table) -technical doesn't really affect the call

178 = Trunk group number (178 = Roanoke's SDN trunks) SDN is where all long distance calls rout to AT&T

18035932997 = Number dialed

4063 = Ext called from ( would be Roanoke ext 981-4063 - FAX Police Command Center )

5 = FRL (the FRL number determines what type of calls a certain extension can make )

280 = Trunk member number - (shows that the call went out member number 28, and we have 72)

4 = Feature Flag (4 indicates a voice call -even though this was a fax its still considered voice)

000112



000113

NTSB\_000543

|            |      |      |   |     |             |      |         |   |     |       |
|------------|------|------|---|-----|-------------|------|---------|---|-----|-------|
| 01-06-2005 | 0317 | 0008 | 9 |     | 3836        | 171  |         | 3 | 470 | 0     |
| 01-06-2005 | 0317 | 0006 | 9 | 142 | 9264216     | 171  |         | 3 | 440 | 030 4 |
| 01-06-2005 | 0318 | 0016 | 9 | 171 | 2676858     | 178  |         | 3 | 440 | 250 4 |
| 01-06-2005 | 0318 | 0020 | 9 |     | 4233        | 196  |         | 0 | 480 | 0     |
| 01-06-2005 | 0318 | 0004 | 9 |     | 4900        | 196  |         | 0 | 470 | 0     |
| 01-06-2005 | 0318 | 0005 | 9 | 195 | 3284272     | 169  |         | 3 | 180 | 030 4 |
| 01-06-2005 | 0319 | 0029 | 7 | 178 | 18038969621 | 5042 |         | 5 | 390 | 4     |
| 01-06-2005 | 0319 | 0006 | 9 |     | 4187        | 196  |         | 0 | 470 | 0     |
| 01-06-2005 | 0319 | 0007 | 7 | 178 | 18036421761 | 5708 |         | 5 | 420 | 4     |
| 01-06-2005 | 0319 | 0005 | 9 |     | 3943        | 171  |         | 3 | 470 | 0     |
| 01-06-2005 | 0320 | 0005 | 9 | 171 | 5895963     | 194  |         | 2 | 040 | 320 4 |
| 01-06-2005 | 0322 | 0014 | 9 |     | 3629        | 196  |         | 0 | 470 | 0     |
| 01-06-2005 | 0322 | 0013 | 7 | 178 | 18038969620 | 4063 |         | 5 | 430 | 4     |
| 01-06-2005 | 0323 | 0007 | 9 |     | 5919        | 194  |         | 2 | 050 | 0     |
| 01-06-2005 | 0323 | 0045 | 9 |     | 4739        | 166  |         | 2 | 040 | 0     |
| 01-06-2005 | 0325 | 0006 | 9 | 142 | 9264467     | 171  |         | 3 | 470 | 040 4 |
| 01-06-2005 | 0325 | 0018 | 7 | 196 | 8907721     | 5708 |         | 5 | 470 | 4     |
| 01-06-2005 | 0326 | 0047 | 9 | 146 | 9288204     | 142  |         | 2 | 010 | 070 4 |
| 01-06-2005 | 0326 | 0006 | 9 |     | 3904        | 196  |         | 0 | 470 | 0     |
| 01-06-2005 | 0326 | 0003 | 9 | 171 | 5896041     | 177  |         | 2 | 040 | 250 4 |
| 01-06-2005 | 0326 | 0005 | 7 | 171 | 5273381     | 5919 |         | 5 | 490 | 4     |
| 01-06-2005 | 0326 | 0031 | 7 | 178 | 17573183953 | 5042 |         | 5 | 450 | 4     |
| 01-06-2005 | 0327 | 0086 | 7 | 171 | 5211485     | 4092 |         | 5 | 290 | 4     |
| 01-06-2005 | 0327 | 0036 | 9 |     | 4778        | 196  |         | 0 | 480 | 0     |
| 01-06-2005 | 0328 | 0004 | 7 | 145 | 3314351     | 3902 |         | 5 | 080 | 4     |
| 01-06-2005 | 0329 | 0029 | 7 | 196 | 9664221     | 5708 |         | 5 | 490 | 4     |
| 01-06-2005 | 0332 | 0025 | 9 | 194 | 9271163     | 142  |         | 2 | 030 | 010 4 |
| 01-06-2005 | 0332 | 0066 | 9 | 178 | 19043812103 | 142  | 7768189 | 7 | 020 | 460 4 |
| 01-06-2005 | 0332 | 0005 | 9 |     | 4243        | 196  |         | 0 | 470 | 0     |
| 01-06-2005 | 0332 | 0009 | 9 | 196 | 15403424551 | 171  |         | 3 | 460 | 240 4 |
| 01-06-2005 | 0333 | 0024 | 7 | 196 | 7743142     | 5708 |         | 5 | 500 | 4     |
| 01-06-2005 | 0334 | 0014 | 7 | 146 | 9288324     | 6053 |         | 5 | 090 | 4     |
| 01-06-2005 | 0335 | 0018 | 7 | 196 | 9771036     | 5708 |         | 5 | 470 | 4     |
| 01-06-2005 | 0335 | 0001 | 9 |     | 3904        | 196  |         | 0 | 480 | 0     |
| 01-06-2005 | 0335 | 0006 | 9 |     | 3901        | 142  |         | 2 | 040 | 0     |
| 01-06-2005 | 0336 | 0032 | 9 |     | 3905        | 173  |         | 3 | 450 | 0     |
| 01-06-2005 | 0336 | 0061 | 7 | 171 | 5291444     | 5042 |         | 5 | 310 | 4     |
| 01-06-2005 | 0336 | 0003 | 9 | 198 | 5205859     | 141  |         | 3 | 120 | 040 4 |
| 01-06-2005 | 0337 | 0005 | 9 | 171 | 5896041     | 153  |         | 2 | 050 | 410 4 |
| 01-06-2005 | 0337 | 0007 | 7 | 178 | 18036486811 | 5708 |         | 5 | 470 | 4     |
| 01-06-2005 | 0337 | 0022 | 7 | 142 | 9264442     | 6053 |         | 5 | 090 | 4     |
| 01-06-2005 | 0338 | 0001 | 9 |     | 8999        | 195  |         | 2 | 010 | 0     |

**ATTACHMENT 4**

Norfolk Southern Police Communications Center CAD Information

000114

NTSB\_000544

01/06/2005 14:54 540-981-4651

NS ENVIR PROTECT

PAGE 01/02

01/06/2005 00:52 5409814063

NS POLICE COMM CNTR

PAGE 01

-----  
1/06/05 HTE CAD PAGE 1  
7:45:44 CAD CALL INFORMATION 050060011  
-----

Call Number: 050060011 Call Type.: 097 Train Collision Police  
Entry Day/Tm: 1/06/05 2:40:30 097 Train Collision Police

ComN: MARSHALL ST - AIKEN CO SC Agency.....: 001 N.S.P.D.  
Location...: 17801 COLUMBIA DISTRICT (R LINE) PI Apt: .715670U  
City.....: AIKEN COUNTY, SC Block#: 700 Loc ID: C Mapr: COLUMBIA  
Intersectn.: MARSHALL COTTAGE

Caller Name: Last: First:DERRICK Mid: See Caller:  
Address...: Apt:  
City/State: Phone#: Source:

Call Taker.: 1478 PCC-THOMAS DAVID QPADEV0030  
Dispatcher.: 1478 PCC-THOMAS DAVID QPADEV0030

#### N A R R A T I V E

PI DIVN CTD ADVISED CREW OF TRAIN 192 IS REPORTING THAT 2:45:16  
WHEN THEY APPROACHED SUBJECT AREA THE SIDING SWITCH WAS 2:45:16  
LINED AGAINST THEM AND THE 192 WENT INTO THE SIDING AND 2:45:16  
STRUCK A STANDING ENGINE IN THE SIDING AT APPROX 45 MPH. 2:47:07  
CONDUCTOR IS REPORTING INJURIES, REQ EMS RESPOND. 2:47:07  
AIKEN CO SC SO ADVISED, ALREADY HAD REPORT OF TRAIN DERAIL- 2:47:07  
MENT AT LOCATION, UNITS ALREADY ENROUTE. 2:47:07

SSA HOLLAND NOTIFIED AND ENROUTE/GHS 2:48:14  
GST LUMPKIN NOTIFIED/GHS 2:48:27  
MGR KELLISON ADVISED AND REQ MR ALLEY BE NOTIFIED/GHS 2:54:50  
MR ALLEY NOTIFIED/GHS 2:57:08

PI DIVN ADVISED LFD REPORTING UNK TYPE SPILL IN THE AREA, 3:04:19  
UNK IF COMING FROM THE 192 OR CARS THAT WERE ALREADY IN 3:04:19  
THE SIDING. 3:04:19  
TRAIN INFO: 192P005, NIXON GA TO COLUMBIA SC, ENGINEER CG 3:04:19  
SHEELING, CONDUCTOR WA WRIGHT, 16 LOADS, 14 MTS. 2354 TONS, 3:04:19  
1903' LONG, LEAD UNIT NS6653. 3:04:39  
DAVE SCHOENDORFER FROM NS ENVIRONMENTAL ADVISED. 3:04:19  
PI DIVN CTD ADVISED OF INFO, STATED THE ENGINE THAT WAS 3:09:17  
IN THE SIDING WAS AN NS ENGINE LEFT THERE BY A LOCAL CREW 3:09:17  
THAT WAS WORKING THE AREA, UNOCCUPIED. 3:09:17

BRANDON AT LFD ADVISED 'PEOPLE ARE GETTING KNOCKED OUT' AND 3:10:15  
CANNOT GET CLOSE ENOUGH TO CAR TO DETERMINE NUMBER FOR 3:10:15  
CONTENTS. CONSIST FAXED TO THEM AT 803.593.2997/GHS 3:10:15

NO ANS AIKEN 911 OR SD./DWT 3:16:29

FRED AT HIGHWAY PATROL ADVISED APPARENTLY DISPATCH 3:20:26  
CENTER IS NOT ANSWERING NON EMERGENCY LINES. HE REQUEST 3:20:36  
CONSIST, FAXED TO 803.696.9620/GHS 3:20:36

NO ANS AIKEN CO 911./DWT 3:23:07  
MGR KELLISON ADVISED, REQ DEP DIR ALLEY BE UPDATED./DWT 3:25:52

FR MS TERPAY NOTIFIED OF SITUATION/GHS 3:27:13

JAN 06 2005 15:33

540 981 4651

01/06/05

000115

NTSB\_000546

01/06/2005 14:54 540-981-4651

NS ENVIR PROTECT

PAGE 02/02

01/06/2005 08:52 5409814063

NS POLICE COMM CNTR

PAGE 02

1/06/05 HTE CAD PAGE 2  
7:45:44 CAD CALL INFORMATION 050060011

DEP DIR ALLEY ADVISED./DWT 3:28:33  
DIRECTOR HANES ADVISED, REQ SAC GOFORTH BE ADVISED. 3:36:14  
SAC GOFORTH ADVISED./DWT 3:36:14  
AIKEN CO 911 ADVISED FIRE UNITS ON SCENE REPORTING RELEASE 3:40:08  
OF SODIUM HYDROXIDE. EMS ON SCENE TREATING VICTIMS, UNK 3:40:08  
STATUS OF NS CREW. ADVISED WORKERS TRAPPED IN MILL NEARBY 3:40:08  
BECAUSE OF FUMES./DWT 3:40:08  
  
WILLIAMS AT GST UPDATED WITH INFO, HE ADVISED 3:41:22  
DIV SUPT BRYSON, ASSIST. DIV SUPT DILL ARE BOTH RESPONDING 3:41:22  
/GHS 3:41:22  
  
GST (WILLIAMS) UPDATED./DWT 3:53:50  
  
LINDSAY AT PIED ADVISED SUPRV ON SCENE, HAVE UNCONFIRMED 4:33:04  
REPORT THAT ENGINEER WAS TRANSPORTED TO THE HOSPITAL. 4:33:04  
ONE TRAIN BEING HELD AT AUGUSTA BUT NOT COMPROMISING 4:33:04  
EMERGENCY EXITS TO OR FROM SCENE/GHS 4:33:04  
  
SSA STANLEY ADVISED, MEMO'ED COPY OF CONSIST. 4:51:40  
DAVE SCHOENDORFER UPDATED./DWT 4:51:40  
  
SA SILVER NOTIFIED AND WILL BE ENROUTE ALSO/GHS 5:02:41  
  
S/A PURVIS W/ CSX PD ADVISED COLUMBIA OFFICE OF FBI 5:49:48  
CONTACTED HIM LOOKING FOR SSA HOLLAND, REQ CALL FBI 5:49:48  
S/A ROGER STANTON [REDACTED] 5:49:48  
  
PIED CTD GRIFFIN ADVISED THE CREW HAS BEEN TAKEN TO THE 6:11:21  
LOCAL HOSPITAL, THE ENG IS IN INTENSIVE CARE, CONDUCTOR 6:11:21  
IS RECEIVING STITCHES. THERE ARE AN ADDITIONAL 300 PERSONS 6:11:21  
AT THE HOSPITAL WAITING TO BE TREATED FOR HAZMAT RELATED 6:11:21  
HEALTH COMPLAINTS/GHS 6:11:21  
  
DAVID REED W/ SC DEPT OF HEALTH AND ENVIRONMENTAL SERVICES 6:24:20  
ADVISED REPORT OF CHLORINE RELEASE. [REDACTED] 6:24:20  
AIKEN CO 911 ADVISED NO REPORTS OF CHLORINE RELEASE. AREA 6:24:20  
RESIDENTS ADVISED TO STAY INSIDE AND TURN OFF VENTILATION 6:24:20  
SYSTEMS. HWY 1 THRU TOWN CLOSED TO TRAFFIC, 2 DECONTAM SITES 6:24:20  
SET UP. 6:24:20  
DAVE SCHOENDORFER ADVISED. STATED SOME INFO REGARDING 6:26:29  
CHLORINE RELEASE. HEPACO (ENVIRONMENTAL CONTRACTOR) 6:26:29  
ENROUTE, HULCHER FROM TEXAS ENROUTE. OLIN CHEMICAL 6:26:29  
FROM AUGUSTA ENROUTE (SHIPPER)./DWT 6:26:29  
  
RANDY JOHNSON FROM WYS TV IN COLUMBIA SC REQUEST CALL 6:44:06  
BACK FROM PR TO [REDACTED] 6:44:06  
  
SSA HOLLAND ADVISED ENGINEER DIED @ HOSPITAL. 7:42:01  
ALSO ADVISED THREE (3) ADDITIONAL FATALITIES. 7:42:01  
NON EMPLOYE. UNKNOWN CAUSE. (LAK) 7:42:01

LFD

Unit Status History Information

JAN 06 2005 15:34

540 981 4651

PAGE.02

000116

NTSB\_000547

**ATTACHMENT 5**

Scanned Consist Faxed to Aiken County, South Carolina 911  
and South Carolina Highway Patrol by  
Norfolk Southern Police Communications Center

000117

NTSB\_000548

(4)

**Jordan, A. Gayle**

**From:** Kellison, Lew A.  
**Sent:** Thursday, January 13, 2005 3:45 PM  
**To:** Jordan, A. Gayle  
**Cc:** Sinquefield, Mark; Hartman, John S.; Alley, C. Fred; Hanes, Steven G  
**Subject:** FW: 192 consist per your request

Gayle A. Jordan  
 General Solicitor

Reference our telephone conversation earlier this afternoon, please find below the 192 train consist that was faxed to the Aiken County SC 911 Center and the South Carolina Highway Patrol.

Lew Kellison  
 Manager-Police Communications Center  
 Roanoke, VA

-----Original Message-----

**From:** Stone, Gale H.  
**Sent:** Thursday, January 06, 2005 4:44 AM  
**To:** [REDACTED] LewKellison (polak); DavidDemeester (s8757); Helm John (Helm, John W.)  
**Subject:** 192 consist per your request

## Scanner Detail

[Help](#)   [Home](#)   [Intermodal Scanner Detail](#)

| Detailed Consist for Train 192.5 passing HAMBURG SCANNER at 6 Jan 2:18A |          |        |                |      |       |     |                   |               |                                       |      |
|---|----------|--------|----------------|------|-------|-----|-------------------|---------------|---------------------------------------|------|
| Seq   | Car Init | Car Nr | Eq Desc        | Type | Wb Dt | L/E | STCC              | Orgn City     | Dest City                             | On . |
| 1   | NS       | 6653   |                |      |       |     |                   |               |                                       |      |
| 2   | NS       | 6593   |                |      |       |     |                   |               |                                       |      |
| 3   | NS       | 473153 | EQPD<br>BOXCAR | A405 | 01-02 | L   | PULPBOARD<br>NEC  | MAHRT, AL     | CHARLESTON,<br>SC                     |      |
| 4   | NS       | 269182 | COV<br>HOPPER  | C113 | 01-04 | L   | KAOLIN<br>PROCESD | HEPHZIBAH, GA | WARWICK, SC                           |      |
| 5   | SOU      | 6774   | COV<br>HOPPER  | C313 | 01-04 | L   | KAOLIN<br>PROCESD | HEPHZIBAH, GA | AIKEN, SC                             |      |
| 6   | ACFX     | 51213  | COV<br>HOPPER  | C614 | 01-04 | E   |                   | WESTOVER, GA  | COLUMBIA, SC<br>(CASTLE<br>HAYNE, NC) |      |
| 7   | NAHX     | 551307 | COV            | C614 | 01-04 | E   |                   | WESTOVER, GA  | COLUMBIA, SC                          |      |

1/13/2005

000118

NTSB\_000549

|    |       |        |                 |      |       |   |                     |                                      |                                       |     |
|----|-------|--------|-----------------|------|-------|---|---------------------|--------------------------------------|---------------------------------------|-----|
|    |       |        | HOPPER          |      |       |   |                     |                                      | (CASTLE<br>HAYNE, NC)                 |     |
| 8  | SRI X | 14146  | TANK            | T564 | 01-04 | L | CHLORINE,<br>2.3    | NIXON, GA                            | ORANGEBURG,<br>SC                     |     |
| 9  | GATX  | 17105  | TANK            | T564 | 01-04 | L | CHLORINE,<br>2.3    | NIXON, GA                            | CHARLESTON,<br>SC                     |     |
| 10 | GATX  | 58326  | TANK            | T104 | 01-04 | L | SODIUM<br>HYDROXID  | NIXON, GA                            | CHARLOTTE,<br>NC                      |     |
| 11 | UTLX  | 900270 | TANK            | T944 | 01-04 | L | CHLORINE,<br>2.3    | NIXON, GA                            | CHARLESTON,<br>SC                     |     |
| 12 | NAHX  | 551599 | COV<br>HOPPER   | C614 | 12-31 | E |                     | WESTOVER, GA                         | COLUMBIA, SC<br>(CASTLE<br>HAYNE, NC) |     |
| 13 | CSXT  | 496430 | EQPD<br>GONDOLA | E241 | 12-27 | L | SHEET<br>STEEL      | AUGUSTA, GA<br>(NUCOR, IN)           | ROCK HILL, SC                         | CSX |
| 14 | CSXT  | 496904 | EQPD<br>GONDOLA | E241 | 12-27 | L | SHEET<br>STEEL      | AUGUSTA, GA<br>(NUCOR, IN)           | ROCK HILL, SC                         | CSX |
| 15 | CSXT  | 495573 | EQPD<br>GONDOLA | E241 | 12-27 | L | SHEET<br>STEEL      | AUGUSTA, GA<br>(NUCOR, IN)           | ROCK HILL, SC                         | CSX |
| 16 | NS    | 411178 | EQPD<br>BOXCAR  | A332 | 01-02 | L | PULPBOARD<br>NEC    | MAHRT, AL                            | CHARLESTON,<br>SC                     |     |
| 17 | NS    | 403130 | EQPD<br>BOXCAR  | A302 | 01-02 | L | PULPBOARD<br>NEC    | MAHRT, AL                            | CHARLESTON,<br>SC                     |     |
| 18 | GATX  | 31941  | TANK            | T105 | 12-29 | E | LIQUID<br>ROSIN     | MERIDIAN, MS<br>(DE RIDDER, LA)      | CHARLESTON,<br>SC                     | KCS |
| 19 | GATX  | 25262  | TANK            | T105 | 12-29 | E | LIQUID<br>ROSIN     | MERIDIAN, MS<br>(DE RIDDER, LA)      | CHARLESTON,<br>SC                     | KCS |
| 20 | GATX  | 49030  | TANK            | T106 | 12-28 | L | CRESOL<br>CLASS6.1  | NEW ORLEANS,<br>LA<br>(HOUSTON, TX)  | CHARLESTON,<br>SC                     | BNS |
| 21 | DOWX  | 6695   | TANK            | T106 | 12-21 | L | AMMONIUM<br>CMPNDS  | NEW ORLEANS,<br>LA<br>(FREEPORT, TX) | CHARLESTON,<br>SC                     | UP  |
| 22 | WVCX  | 2049   | EQPD<br>GONDOLA | E500 | 12-29 | L | PULPWOOD-<br>HARDWO | EAST<br>WARRENTON,<br>GA             | CHARLESTON,<br>SC                     |     |
| 23 | WVCX  | 2014   | EQPD<br>GONDOLA | E500 | 12-30 | L | PULPWOOD-<br>HARDWO | EAST<br>WARRENTON,<br>GA             | CHARLESTON,<br>SC                     |     |
| 24 | WVCX  | 3015   | EQPD<br>GONDOLA | E700 | 12-30 | L | PULPWOOD-<br>HARDWO | EAST<br>WARRENTON,<br>GA             | CHARLESTON,<br>SC                     |     |

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|    |      |        |                 |      |       |   |                     |   |                                   |     |
|----|------|--------|-----------------|------|-------|---|---------------------|---|-----------------------------------|-----|
| 25 | WVCX | 3077   | EQPD<br>GONDOLA | E700 | 12-29 | L | PULPWOOD-<br>HARDWO | EAST<br>WARRENTON,<br>GA                              | CHARLESTON,<br>SC                 |     |
| 26 | UTLX | 201323 | TANK            | T108 | 01-03 | E | METHANOL<br>SOLUTI  | VIENNA, GA  | CHARLESTON,<br>SC                 |     |
| 27 | GPPX | 9595   | TANK            | T108 | 01-03 | E | METHANOL<br>SOLUTI  | VIENNA, GA  | CHARLESTON,<br>SC                 |     |
| 28 | GPPX | 5078   | TANK            | T108 | 01-04 | E | METHANOL<br>SOLUTI  | VIENNA, GA  | CHARLESTON,<br>SC                 |     |
| 29 | NATX | 37214  | TANK            | T108 | 01-04 | E | METHANOL<br>SOLUTI  | VIENNA, GA  | CHARLESTON,<br>SC                 |     |
| 30 | WVCX | 2040   | EQPD<br>GONDOLA | E500 | 12-22 | L | PULPWOOD-<br>HARDWO | EAST<br>WARRENTON,<br>GA                              | CHARLESTON,<br>SC                 |     |
| 31 | PTLX | 41864  | COV<br>HOPPER   | C214 | 12-28 | L | PLYETHIN<br>GRNIR   | NEW ORLEANS,<br>LA<br>(DAYTON<br>PLASTIC STOR,<br>TX) | PROSPERITY,<br>SC                 | BNS |
| 32 | PSPX | 5703   | COV<br>HOPPER   | C214 | 12-28 | L | PLYETHIN<br>GRNIR   | NEW ORLEANS,<br>LA<br>(DAYTON<br>PLASTIC STOR,<br>TX) | PROSPERITY,<br>SC                 | BNS |
| 33 | OLNX | 224010 | TANK            | T104 | 01-01 | L | SODIUM<br>HYDROXID  | MCINTOSH, AL  | ORANGEBURG,<br>SC                 |     |
| 34 | TTPX | 804131 | FLATCAR         | F443 | 12-31 | L | PLATE IORS<br>NEC   | LEMOYNE, AL   | LOCK JOINT,<br>SC                 |     |
| 35 | CSXT | 502716 | EQPD<br>BOXCAR  | A302 | 01-04 | E |                     | KNOXVILLE, TN   | NEWBERRY,<br>SC                   |     |
| 36 | DUPX | 22027  | TANK            | T426 | 12-13 | L | ANILINE OIL         | ATLANTA, GA<br>(PASCAGOULA,<br>MS)                    | FT MILL, SC                       | CSX |
| 37 | DUPX | 22009  | TANK            | T656 | 12-20 | L | ANILINE OIL         | ATLANTA, GA<br>(PASCAGOULA,<br>MS)                    | FT MILL, SC                       | CSX |
| 38 | NATX | 22479  | TANK            | T105 | 01-03 | E |                     | VALDOSTA, GA  | KERSHAW, SC                       |     |
| 39 | NATX | 73697  | TANK            | T105 | 01-03 | E |                     | VALDOSTA, GA  | KERSHAW, SC                       |     |
| 40 | UELX | 78286  | TANK            | T104 | 01-03 | E |                     | VALDOSTA, GA  | KERSHAW, SC                       |     |
| 41 | SOU  | 98325  | COV<br>HOPPER   | C113 | 01-02 | E |                     | AIKEN, SC   | SHULER, SC                        |     |
| 42 | CSXT | 495198 | EQPD<br>GONDOLA | E241 | 12-31 | E |                     | MONTMORENCI,<br>SC                                    | COLUMBIA, SC<br>(BERKELEY,<br>SC) |     |
| 43 | CSXT | 498063 | EQPD<br>GONDOLA | E241 | 12-31 | E |                     | MONTMORENCI,<br>SC                                    | COLUMBIA, SC<br>(BERKELEY,<br>SC) |     |
| 44 | CSXT | 497760 | EQPD<br>GONDOLA | E241 | 12-31 | E |                     | MONTMORENCI,<br>SC                                    | COLUMBIA, SC<br>(BERKELEY,<br>SC) |     |

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|    |    |        |         |      |  |  |  |  |     |  |
|----|----|--------|---------|------|--|--|--|--|-----|--|
|    |    |        |         |      |  |  |  |  | SC) |  |
| 45 | CR | 915396 | MOW/EOT | M970 |  |  |  |  |     |  |

A total of 45 rows were retrieved.

Send questions and comments to Mark Landry [mdlandry@memoid.com](mailto:mdlandry@memoid.com) or MEMOID [mdlandry@memoid.com](mailto:mdlandry@memoid.com)

*Last update Fri Jan 19 15:33:16 2001*

**ATTACHMENT 6**

Consist Referred to Transportation  
Clerk Tom Mitchell in Relaying  
Information to Fire Chief Napier.  
See NTSB\_000381 – NTSB\_000415

000122

NTSB\_000553

**ATTACHMENT 7**

One Page Consist Faxed to Aiken County 911  
By Dispatcher's Office (between 4:00-4:30 a.m.  
January 6, 2005)

And  
Additional Material Faxed to Aiken County 911 by  
Dispatcher's Office about 5:00 a.m. on  
January 6, 2005

000123

NTSB\_000554

106ound Train Details - Loc R191 - AUGUSTA

1/6/2005

3:43AM

On Dt: 01/06/05 02:13AM Train: 192P005 - NACON -COLUMBIA MER  
 vs: 45 Loads: 25 Empties: 17 Tons: 3521 Feet: 2353

| WTrn | HR | Init | Number  | LE | Wgt  | Class   | Hand | Block  | NxtTrain | Prt | Road | Del | It |
|------|----|------|---------|----|------|---------|------|--------|----------|-----|------|-----|----|
| 01   | 1  | NS   | E006653 | E  | 0    | ENG     |      |        |          |     |      |     |    |
| 01   | 2  | NS   | E006593 | E  | 0    | ENG     |      |        |          |     |      |     |    |
| 01   | 3  | NS   | 473153  | L  | 2058 | CHSTNP  |      | CHSTNP | 192P005  |     |      |     |    |
| 01   | 4  | NS   | 269182  | L  | 2184 | CLMBAP  |      |        | 192P005  |     |      |     |    |
| 01   | 5  | SOU  | 006774  | L  | 1799 | WARENP  |      |        | 192P006  |     |      |     |    |
| 01   | 6  | ACFX | 051213  | E  | 711  | CLMBAP  |      | CLMBAP | 192P003  |     |      |     |    |
| 01   | 7  | NAHX | 551307  | E  | 650  | CLMBAP  |      | CLMBAP | 192P005  |     |      |     |    |
| 01   | 8  | SDLX | 014144  | L  | 2402 | CLMBAP  | DANG | CLMBAP | 192P005  |     |      |     |    |
| 01   | 9  | GATX | 017105  | L  | 2612 | CLMBAP  | DANG | CLMBAP | 192P005  |     |      |     |    |
| 01   | 10 | GATX | 058326  | L  | 2038 | CLMBAP  | DANG | CLMBAP | 192P005  |     |      |     |    |
| 01   | 11 | UTLX | 900270  | L  | 2613 | CLMBAP  | DANG | CLMBAP | 192P005  |     |      |     |    |
| 01   | 12 | NAHX | 551599  | E  | 654  | CLMBAP  |      | CLMBAP | 192P005  |     |      |     |    |
| 01   | 13 | CSXT | 496430  | L  | 2326 | CLMBAP  |      | CLMBAP | 192P005  |     |      |     |    |
| 01   | 14 | CSXT | 496904  | L  | 2382 | CLMBAP  |      | CLMBAP | 192P005  |     |      |     |    |
| 01   | 15 | CSXT | 495573  | L  | 2362 | CLMBAP  |      | CLMBAP | 192P005  |     |      |     |    |
| 01   | 16 | NS   | 411178  | L  | 1696 | CHSTNP  |      | CHSTNP | 192P005  |     |      |     |    |
| 01   | 17 | NS   | 403130  | L  | 1689 | CHSTNP  |      | CHSTNP | 192P005  |     |      |     |    |
| 01   | 18 | GATX | 031941  | E  | 670  | CHSTNP  | HAZH | CHSTNP | 192P005  |     |      |     |    |
| 01   | 19 | GATX | 023262  | E  | 712  | CHSTNP  | HAZH | CHSTNP | 192P005  |     |      |     |    |
| 01   | 20 | GATX | 049030  | L  | 2441 | CHSTNP  | DANG | CHSTNP | 192P005  |     |      |     |    |
| 01   | 21 | DOWX | 006695  | L  | 2441 | CHSTNP  | LT   | CHSTNP | 192P005  |     |      |     |    |
| 01   | 22 | WUCX | 002049  | L  | 2364 | CHSTNP  |      | CHSTNP | 192P005  |     |      |     |    |
| 01   | 23 | WUCX | 002014  | L  | 2373 | CHSTNP  |      | CHSTNP | 192P005  |     |      |     |    |
| 01   | 24 | WUCX | 003045  | L  | 2504 | CHSTNP  |      | CHSTNP | 192P005  |     |      |     |    |
| 01   | 25 | WUCX | 003077  | L  | 2510 | CHSTNP  |      | CHSTNP | 192P005  |     |      |     |    |
| 01   | 26 | DELX | 201323  | E  | 667  | CHSTNP  | DANG | CHSTNP | 192P005  |     |      |     |    |
| 01   | 27 | SPPX | 009595  | E  | 661  | CHSTNP  | DANG | CHSTNP | 192P005  |     |      |     |    |
| 01   | 28 | SPPX | 005078  | E  | 670  | CHSTNP  | DANG | CHSTNP | 192P005  |     |      |     |    |
| 01   | 29 | NATX | 037214  | E  | 681  | CHSTNP  | DANG | CHSTNP | 192P005  |     |      |     |    |
| 01   | 30 | WUCX | 002040  | L  | 2369 | CHSTNP  |      | CHSTNP | 192P005  |     |      |     |    |
| 01   | 31 | PTLX | 041864  | L  | 2584 | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 32 | SPPX | 005703  | L  | 2613 | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 33 | DLNX | 224010  | L  | 2596 | CLSCP   | DANG | CLSCP  | 192P005  |     |      |     |    |
| 01   | 34 | TPPX | 804131  | L  | 2516 | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 35 | CSXT | 502716  | E  | 639  | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 36 | DUPX | 022027  | L  | 2551 | CLSCP   | DANG | CLSCP  | 192P005  |     |      |     |    |
| 01   | 37 | DUPX | 023009  | L  | 2554 | CLSCP   | DANG | CLSCP  | 192P005  |     |      |     |    |
| 01   | 38 | NATX | 022479  | E  | 662  | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 39 | NATX | 073697  | E  | 614  | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 40 | DELX | 078286  | E  | 628  | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 41 | SOU  | 098825  | E  | 446  | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 42 | LSX  | 493198  | E  | 625  | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 43 | CSXT | 498063  | E  | 695  | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 44 | CSXT | 497760  | E  | 642  | CLSCP   |      | CLSCP  | 192P005  |     |      |     |    |
| 01   | 45 | CR   | X915396 | E  | 0    | 0000000 | EDT  |        |          |     |      |     |    |

This is one page which was typed by itself.  
 my

\*\*\* TOTAL PAGE.14 \*\*\*

000124

NTSB\_000555

JAN 13 2005 16:06 FR CHEIF DISPATCH OFFICE864 255 5722 TO 76292607  
\*\*\*\*\*

P.02  
P.01/35

NORFOLK SOUTHERN RAILWAY COMPANY

THIS TRAIN CONTAINS THE FOLLOWING "KEY-TRAIN" HAZARDOUS MATERIALS LOADS:

```
*****
*
*                               IN          SET-OUT/PICK-UP
*                               TRAIN
* POISON INHALATION HAZARD COMMODITIES 3
* OTHER LOADED HAZMAT CARS OR IM TANKS 5
*
*
*                               TOTAL:      8
*****
```

```
#####
#
#          EEEEEEE DDDDDD
#          E      D      D
#          EEEEEEE D      D
#          E      D      D
#          EEEEEEE DDDDDD
#
#####
# This consist contains cars with excessive
# dimensions. Check for proper clearance.
#
#####
```

*Prod moved Div*  
*Devalued*  
*Sax*  
*228-4241*

000125

NTSB\_000556

CARS IN THIS CONSIST COUNT FROM HEAD TO REAR

HAZARDOUS CONSIST FOR TRAIN 192P005 PAGE 01 OF  
DEPARTED WARRENV SC 01/06/2005 03:59 PRINTED 01/06/05 4:00 AM  
ON DUTY: OFF DUTY:

\*\*CARS SET OUT\*\*

EQ INIT NUMBER L/E DEST/OFFJCT NXRD TON CONSIGNE S T C C TYPE TIME TRACK LINE

00 NS E06653 E 0000000 D126 NO WAYBILL  
00 NS E06593 E 0000000 D126 NO WAYBILL

01 NS 473153 L CHARLEST SC PUCC 103 SOUTH CA 2631117 A405  
FRM B-END/UNLD RIGHT SIDE  
PLTF  
FROM BRAKE END-UNLOAD FROM RIGHT SIDE

02 NS 269182 L WARWICK SC NS 110 PPG INDU 3295231 C113  
OVERAGE CAR - CAN NOT BE LOADED OFF LINE NS (XA TCC)  
RESTRICTED IN INTERCHANGE - DO NOT DELIVER OR ACCEPT.

03 SOU 006774 L AIKEN SC NS 90 AGY 3295231 C313  
OVERAGE CAR - CAN NOT BE LOADED OFF LINE NS (XA TCC)  
RESTRICTED IN INTERCHANGE - DO NOT DELIVER OR ACCEPT.

04 ACFX 051213 E COLUMBIA SC CSXT 36 ELECHRLP 0000000 C614

05 NAHX 551307 E COLUMBIA SC CSXT 33 ELECHRLP 0000000 C614  
SET AND RELEASE HAND BRAKE TWICE BEFORE SET OUT.

06 SBLX 014146 L ORANGERU SC NS 131 GULBRAND 4920523 T564  
ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

CHLORINE  
2.3(8)//UN1017  
RQ(CHLORINE)  
MARINE POLLUTANT  
(CHLORINE)  
POISON INHALATION HAZARD  
HAZARD ZONE B  
EMERGENCY CONTACT:  
18004249300  
DOT E 7616  
HAZMAT STCC=4920523  
HAZARDOUS MATERIAL  
SBLX 14146 GAL CP= 17380

TO/CONSIGNEE:  
GULBRAND  
ORANGEBURG

FROM/SHIPPER:  
OLIN COR  
AUGUSTA GA

SC  
LOADED TANK CAR.  
DIVISION 2.3 (ZONE B,C,D) >DANGEROUS<

7 GATX 017105 L CHARLEST SC NS 131 RHODIA I 4920523 T564

000126

NTSB\_000557

PIH

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

CHLORINE  
2.3(8)//UN1017  
RQ(CHLORINE)  
MARINE POLLUTANT  
(CHLORINE)  
POISON INHALATION HAZARD  
HAZARD ZONE B  
EMERGENCY CONTACT:  
18004249300  
DOT E 7616  
HAZMAT STCC=4920523  
HAZARDOUS MATERIAL  
GATX 17105 GAL CP= 17312

TO/CONSIGNEE:  
RHODIA I  
CHARLESTON

FROM/SHIPPER:

OLIN COR  
AUGUSTA GA

SC  
LOADED TANK CAR.  
DIVISION 2.3 (ZONE B,C,D) >DANGEROUS<  
"EXCESSIVE WEIGHT - IS OKAY FOR CAR AND ROUTE"

08 GATX 058326 L CHARLOTT NC CSXT 127 JONES CH 4935240 T104  
ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

SODIUM HYDROXIDE SOLUTION  
8//UN1824//PG II  
RQ(SODIUM HYDROXIDE)  
EMERGENCY CONTACT:  
CHEMTREC  
1-800-424-9300  
DOT E 7616  
HAZMAT STCC=4935240  
HAZARDOUS MATERIAL  
GATX 58326 GAL CP= 16141

TO/CONSIGNEE:  
JONES CH  
CHARLOTTE

FROM/SHIPPER:

OLIN COR  
AUGUSTA GA

NC  
LOADED TANK CAR.  
CLASS 8 (CORROSIVE MATERIAL) >DANGEROUS<

09 UTLX 900270 L CHARLEST SC NS 131 RHODIA I 4920523 T944  
PIH ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

CHLORINE  
2.3(8)//UN1017  
RQ(CHLORINE)  
MARINE POLLUTANT  
(CHLORINE)  
POISON INHALATION HAZARD  
HAZARD ZONE B  
EMERGENCY CONTACT:  
18004249300  
DOT E 7616  
HAZMAT STCC=4920523  
HAZARDOUS MATERIAL  
UTLX 900270 GAL CP= 17403

000127

NTSB\_000558

## TO/CONSIGNEE:

RHODIA I  
CHARLESTON

SC

## FROM/SHIPPER:

OLIN COR  
AUGUSTA

GA

LOADED TANK CAR.

DIVISION 2.3 (ZONE B,C,D) &gt;DANGEROUS&lt;

110 NAHX 551599 E COLUMBIA SC CSXT 33 ELECHRLP 0000000 C614  
SET AND RELEASE HAND BRAKE TWICE BEFORE SET OUT.

111 CSXT 496430 L ROCK HIL SC NS 117 SAMUEL S 3312332 E241

112 CSXT 496904 L ROCK HIL SC NS 115 SAMUEL S 3312332 E241

113 CSXT 495573 L ROCK HIL SC NS 119 SAMUEL S 3312332 E241

114 NS 411178 L CHARLEST SC PUCC 85 SOUTH CA 2631117 A332  
FRM B-END/UNLD LEFT SIDE  
FROM BRAKE END-UNLOAD FROM LEFT SIDE115 NS 403130 L CHARLEST SC PUCC 85 SOUTH CA 2631117 A302  
FRM B-END/UNLD RIGHT SIDE  
FROM BRAKE END-UNLOAD FROM RIGHT SIDE116 GATX 031941 E CHARLEST SC NS 34 MEADWEST 4960147 T105  
ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*

1 TNK

\* HAZARDOUS \*

\* MATERIALS \*

\*\*\*\*\*

RESIDUE: LAST CONTAINED  
ELEVATED TEMPERATURE LIQU  
ID, N.O.S.

9//UN3257//PG III

DOT-E 7616

EMERGENCY CONTACT:

8004249300

HAZMAT STCC=4960147

RESIDUE: LAST CONTAINED E  
LEVATED TEMPERATURE LIQUI  
D, N.O.S.

## TO/CONSIGNEE:

MEADWEST

N. CHARLESTON

SC

## FROM/SHIPPER:

WESTVACO

DE RIDDER

LA

CLASS 9 &gt; LOADED CARS MAY NOT BE NEXT TO SHIFTABLE LOADS.

17 GATX 025262 E CHARLEST SC NS 36 MEADWEST 4960147 T105  
ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*

1 TNK

\* HAZARDOUS \*

\* MATERIALS \*

\*\*\*\*\*

RESIDUE: LAST CONTAINED  
ELEVATED TEMPERATURE LIQU  
ID, N.O.S.

9//UN3257//PG III

DOT-E 7616

EMERGENCY CONTACT:

8004249300

HAZMAT STCC=4960147

RESIDUE: LAST CONTAINED E  
LEVATED TEMPERATURE LIQUI  
D, N.O.S.

## TO/CONSIGNEE:

MEADWEST

## FROM/SHIPPER:

WESTVACO

000128

NTSB\_000559



N. CHARLESTON SC DE RIDDER LA  
CLASS 9 > LOADED CARS MAY NOT BE NEXT TO SHIFTABLE LOADS.

018 GATX 049030 L CHARLEST SC NS 123 RHODIA I 4921706 T106  
\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*  
CRESOLS, SOLID  
6.1//UN2076//PG II  
RQ(CRESOL)  
POISON  
EMERGENCY CONTACT:  
800-424-9300  
HAZMAT STCC=4921706  
HAZMAT  
TO/CONSIGNEE: FROM/SHIPPER:  
RHODIA I MERISOL  
CHARLESTON SC HOUSTON TX  
LOADED TANK CAR.  
IF BAD ORDERED NOTIFY SHIPPER  
DIVISION 6.1 (OTHER THAN PGI ZONE A) >DANGEROUS<

19 DOWX 006695 L CHARLEST SC NS 123 CAROLINA 2843152 T106  
LOADED TANK CAR.

20 WVCX 002049 L CHARLEST SC NS 119 WESTVACO 2411560 E500  
PLTF

21 WVCX 002014 L CHARLEST SC NS 119 WESTVACO 2411560 E500  
PLTF

22 WVCX 003045 L CHARLEST SC NS 126 WESTVACO 2411560 E700  
PLTF

23 WVCX 003077 L CHARLEST SC NS 126 WESTVACO 2411560 E700  
PLTF

24 UTLX 201323 E CHARLEST SC NS 34 ALLIED T 4909230 T108  
ENDORSED AS HAZARDOUS MAT  
\*\*\*\*\*  
1 TNK

\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

RESIDUE: LAST CONTAINED  
METHANOL  
3//UN1230//PG II  
RQ(METHANOL)  
EMERGENCY CONTACT:  
CHEMTREC  
1-800-424-9300  
HAZMAT STCC=4909230  
RESIDUE: LAST CONTAINED  
UTLX 201323 GAL CP= 30122

TO/CONSIGNEE: FROM/SHIPPER:  
ALLIED T GEORGIA-  
N CHARLESTON SC VIENNA GA  
CLASS 3 (FLAMMABLE LIQUID) >DANGEROUS<

5 GPPX 009595 E CHARLEST SC NS 34 ALLIED T 4909230 T108  
ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK  
RESIDUE: LAST CONTAINED

000129

\*\*\*\*\*

METHANOL  
3//UN1230//PG II  
RQ (METHANOL)  
EMERGENCY CONTACT:  
CHEMTREC  
1-800-424-9300  
HAZMAT STCC=4909230  
RESIDUE: LAST CONTAINED  
GPPX 9595 GAL CP= 29400

TO/CONSIGNEE:

ALLIED T  
N CHARLESTON

SC

FROM/SHIPPER:

GEORGIA-  
VIENNA

GA

CLASS 3 (FLAMMABLE LIQUID) &gt;DANGEROUS&lt;

26 GPPX 005078 E CHARLEST SC NS 34 ALLIED T 4909230 T108

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

RESIDUE: LAST CONTAINED  
METHANOL  
3//UN1230//PG II  
RQ (METHANOL)  
EMERGENCY CONTACT:  
CHEMTREC  
1-800-424-9300  
HAZMAT STCC=4909230  
RESIDUE: LAST CONTAINED  
GPPX 5078 GAL CP= 30000

TO/CONSIGNEE:

ALLIED T  
N CHARLESTON

SC

FROM/SHIPPER:

GEORGIA-  
VIENNA

GA

CLASS 3 (FLAMMABLE LIQUID) &gt;DANGEROUS&lt;

27 NATX 037214 E CHARLEST SC NS 35 ALLIED T 4909230 T108

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

RESIDUE: LAST CONTAINED  
METHANOL  
3//UN1230//PG II  
RQ (METHANOL)  
EMERGENCY CONTACT:  
CHEMTREC  
1-800-424-9300  
HAZMAT STCC=4909230  
RESIDUE: LAST CONTAINED  
NATX 37214 GAL CP= 29973

TO/CONSIGNEE:

ALLIED T  
N CHARLESTON

SC

FROM/SHIPPER:

GEORGIA-  
VIENNA

GA

CLASS 3 (FLAMMABLE LIQUID) &gt;DANGEROUS&lt;

8 WVCX 002040 L CHARLEST SC NS 119 WESTVACO 2411560 E500  
PLTF

9 PTLX 041864 L PROSPERI SC NS 130 INTERNAT 2821142 C214

0 PSPX 005703 L PROSPERI SC NS 131 INTERNAT 2821142 C214

1 OLNK 224010 L ORANGEBU SC CSXT 130 ALBEMARL 4935240 T104

000130

NTSB\_000561

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

SODIUM HYDROXIDE SOLUTION  
8//UN1824//PG II  
RQ(SODIUM HYDROXIDE)  
EMERGENCY CONTACT:  
CHEMTREC  
1-800-424-9300  
DOT E 7616  
HAZMAT STCC=4935240  
HAZARDOUS MATERIAL  
OLNX 224010 GAL CP= 15969

TO/CONSIGNEE:  
ALBEMARL  
ORANGEBURG

FROM/SHIPPER:  
OLIN COR  
CHARLESTON TN

SC  
LOADED TANK CAR.  
CLASS 8 (CORROSIVE MATERIAL) >DANGEROUS<

032 TTPX 804131 L LOCK JOI SC NS 126 CHATHAM 3312253 F443 \_\_\_\_\_  
033 CSXT 502716 E NEWBERRY SC NS 32 TENPACKA 0000000 A302 \_\_\_\_\_  
034 DUPX 022027 L FT MILL SC NS 128 NATION F 4921410 T426 \_\_\_\_\_

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

ANILINE  
6.1//UN1547//PG II  
RQ(ANILINE)  
POISON  
EMERGENCY CONTACT:  
8004249300  
HAZMAT STCC=4921410  
ANILINE  
ANILINE

TO/CONSIGNEE:  
NATION F  
FT MILL

FROM/SHIPPER:  
DUPONT E  
PASCAGOULA MS

SC  
LOADED TANK CAR.  
DIVISION 6.1 (OTHER THAN PGI ZONE A) >DANGEROUS<

35 DUPX 022009 L FT MILL SC NS 128 NATION F 4921410 T656 \_\_\_\_\_  
ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

ANILINE  
6.1//UN1547//PG II  
RQ(ANILINE)  
POISON  
EMERGENCY CONTACT:  
8004249300  
HAZMAT STCC=4921410  
ANILINE  
ANILINE ANILINE

TO/CONSIGNEE:  
NATION F  
FT MILL

FROM/SHIPPER:  
FIRST CH  
PASCAGOULA MS

SC  
LOADED TANK CAR.  
DIVISION 6.1 (OTHER THAN PGI ZONE A) >DANGEROUS<

000131

JAN 13 2005 16:09 FR CHEIF DISPATCH OFFICE864 255 5722 TO 76292607

P.09

|     |      |        |   |          |    |      |    |          |         |      |            |       |       |
|-----|------|--------|---|----------|----|------|----|----------|---------|------|------------|-------|-------|
| 036 | NATX | 022479 | E | KERSHAW  | SC | NS   | 34 | ARCDANMI | 0000000 | T105 | _____      | _____ | _____ |
| 037 | NATX | 073697 | E | KERSHAW  | SC | NS   | 31 | ARCDANMI | 0000000 | T105 | _____      | _____ | _____ |
| 038 | UELX | 078286 | E | KERSHAW  | SC | NS   | 32 | ARCDANMI | 0000000 | T104 | _____      | _____ | _____ |
| 039 | SOU  | 098325 | E | SHULER   | SC | NS   | 33 | U. S. SI | 0000000 | C113 | _____      | _____ | _____ |
| 040 | CSXT | 495198 | E | COLUMBIA | SC | CSXT | 32 | NUCSTEEL | 0000000 | E241 | _____      | _____ | _____ |
| 041 | CSXT | 498063 | E | COLUMBIA | SC | CSXT | 35 | NUCSTEEL | 0000000 | E241 | _____      | _____ | _____ |
| 042 | CSXT | 497760 | E | COLUMBIA | SC | CSXT | 33 | NUCSTEEL | 0000000 | E241 | _____      | _____ | _____ |
| 000 | CR   | X15396 | E |          |    |      |    |          | 0000000 | M970 | NO WAYBILL |       |       |

|  | LOADS | EMPTYES | NET TONS | LT WT | GROSS TONS | LENGTH |
|--|-------|---------|----------|-------|------------|--------|
| MAIN TOTALS:                                 | 025   | 017     | 02087    | 01433 | 03521      | 02553  |
| HEAD RADIO:                                  | 000   | 000     | 00000    | 00000 | 00000      | 00000  |
| TOTALS DO NOT INCLUDE UNITS AND/OR CABOOSSES |       |         |          |       |            |        |

000132

NTSB\_000563

Norfolk Southern Railway Company  
Notice of Rail Cars & Intermodal Units Containing Hazardous Materials

Train#: 192P005

Location: WARRENVILLE SC 01/06/05 03:59

The following rail cars & intermodal units containing hazardous materials are located in your train. They must be positioned in your train in accordance with the train placement chart. Revision columns are to be used to make placement changes enroute.

| IT NUMBER | L<br>E | CONTAINER<br>INIT NUMBER | L<br>E | COMMENT | I.D.<br>NO. | TRAIN<br>POSITION | REVISION<br>1st 2nd 3rd |
|-----------|--------|--------------------------|--------|---------|-------------|-------------------|-------------------------|
|-----------|--------|--------------------------|--------|---------|-------------|-------------------|-------------------------|

000133

NTSB\_000564

NTSB\_000565

006 FROM ENGINE SBLX014146  
007 FROM ENGINE GATX017105  
CHLORINE  
DIVISION 2.3 (POISON GAS)  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE (RQ-10/4.54)

4920523  
UN1017

CHLORINE IS A GREENISH YELLOW GAS WITH A PUNGENT SUFFOCATING ODOR. IT IS TOXIC BY INHALATION. IT IS SLIGHTLY SOLUBLE IN WATER. IT REACTS EXPLOSIVELY OR FORMS EXPLOSIVE COMPOUNDS, WITH MANY COMMON CHEMICALS. CONTACT WITH LIQUID SHOULD BE AVOIDED AS IT CAN CAUSE FROSTBITE. THE LIQUID READILY VAPORIZES TO A GAS. CHLORINE DOES NOT BURN BUT WILL SUPPORT COMBUSTION (LETS OTHER ARTICLES BURN). LONG TERM EXPOSURE TO LOW CONCENTRATIONS OR SHORT TERM EXPOSURE TO HIGH CONCENTRATIONS MAY RESULT IN ADVERSE HEALTH EFFECTS FROM INHALATION. THE VAPORS ARE MUCH HEAVIER THAN AIR AND TEND TO SETTLE IN LOW AREAS. CONTACT CHEMTREC TO ACTIVATE CHLORINE RESPONSE TEAM (800 424-9300 OR 202 483-7616). IT WEIGHS 13.0 LBS./GAL. IT IS USED TO PURIFY WATER, BLEACH WOOD PULP, AND TO MAKE OTHER CHEMICALS.

ENVIRONMENTAL CONSIDERATIONS - AIR SPILL  
APPLY WATER SPRAY OR MIST TO KNOCK DOWN VAPORS  
VAPOR KNOCKDOWN WATER IS CORROSIVE OR TOXIC AND SHOULD  
BE DIKED FOR CONTAINMENT

COMPATIBLE PROTECTIVE EQUIPMENT CONSTRUCTION MATERIALS INCLUDE:  
NEOPRENE  
CHLORINATED POLYETHYLENE  
POLYVINYL CHLORIDE  
VITON

EVACUATION  
IF MATERIAL LEAKING (NOT ON FIRE) CONSIDER EVACUATION OF  
ONE-HALF (1/2) MILE RADIUS BASED ON AMOUNT OF MATERIAL SPILLED,  
LOCATION AND WEATHER CONDITIONS

IF MATERIAL ON FIRE OR INVOLVED IN FIRE  
SOLID STREAMS OF WATER MAY BE INEFFECTIVE  
EXTINGUISH FIRE USING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE  
(MATERIAL ITSELF DOES NOT BURN OR BURNS WITH DIFFICULTY.)  
COOL ALL AFFECTED CONTAINERS WITH FLOODING QUANTITIES OF WATER  
APPLY WATER FROM AS FAR A DISTANCE AS POSSIBLE  
USE WATER SPRAY TO KNOCK-DOWN VAPORS

ENVIRONMENTAL CONSIDERATIONS - LAND SPILL  
DIG A PIT, POND, LAGOON, HOLDING AREA  
TO CONTAIN LIQUID OR SOLID MATERIAL  
DIKE SURFACE FLOW USING SOIL, SAND BAGS,  
FOAMED POLYURETHANE, OR FOAMED CONCRETE  
ABSORB BULK LIQUID WITH FLY ASH OR CEMENT POWDER  
NEUTRALIZE WITH DILUTE CAUSTIC SODA (NAOH) OR SODA ASH (NA2CO3)

FIRST AID RESPONSES  
MOVE VICTIM TO FRESH AIR; CALL EMERGENCY MEDICAL CARE.  
IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.  
IF BREATHING, IS DIFFICULT, GIVE OXYGEN.  
REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE SITE.  
IN CASE OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH SKIN OR EYES WITH  
RUNNING WATER FOR AT LEAST 15 MINUTES.

000135

NTSB\_000566

KEEP VICTIM QUIET AND MAINTAIN NORMAL BODY TEMPERATURE.  
EFFECTS MAY BE DELAYED, KEEP VICTIM UNDER OBSERVATION.

IF MATERIAL NOT ON FIRE AND NOT INVOLVED IN FIRE  
KEEP MATERIAL OUT OF WATER SOURCES AND SEWERS  
ATTEMPT TO STOP LEAK IF WITHOUT UNDUE PERSONNEL HAZARD  
DO NOT APPLY WATER TO POINT OF LEAK IN TANK CAR OR CONTAINER

PERSONNEL PROTECTION

AVOID BREATHING VAPORS  
KEEP UPWIND  
WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS  
AVOID BODILY CONTACT WITH THE MATERIAL  
WEAR APPROPRIATE CHEMICAL PROTECTIVE CLOTHING  
DO NOT HANDLE BROKEN PACKAGES UNLESS WEARING  
APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT  
WASH AWAY ANY MATERIAL WHICH MAY HAVE CONTACTED THE BODY  
WITH COPIOUS AMOUNTS OF WATER OR SOAP AND WATER

ENVIRONMENTAL CONSIDERATIONS - WATER SPILL

ADD DILUTE CAUSTIC SODA (NAOH)  
IF DISSOLVED, IN REGION OF 10PPM OR GREATER CONCENTRATION,  
APPLY ACTIVATED CARBON AT TEN TIMES THE SPILLED AMOUNT  
USE MECHANICAL DREDGES OR LIFTS  
TO REMOVE IMMOBILIZED MASSES OF POLLUTANTS AND PRECIPITATES

08 FROM ENGINE GATX058326

SODIUM HYDROXIDE SOLUTION  
CLASS 3 (CORROSIVE MATERIAL)

4935240  
UN1824

ENVIRONMENTALLY HAZARDOUS SUBSTANCE (RQ-1000/454)

SODIUM HYDROXIDE IS A DARK COLORED, THICK LIQUID. IT IS SOLUBLE IN WATER  
AND WEIGHS MORE THAN WATER. CONTACT WITH THE MATERIAL MAY CAUSE SEVERE  
IRRITATION TO SKIN, EYES, AND MUCOUS MEMBRANES. IT MAY BE TOXIC BY  
INGESTION. IT IS CORROSIVE TO METALS AND TISSUE. IT WEIGHS 13 LBS./GAL.

ENVIRONMENTAL CONSIDERATIONS - AIR SPILL

APPLY WATER SPRAY OR MIST TO KNOCK DOWN VAPORS

IF MATERIAL ON FIRE OR INVOLVED IN FIRE  
SOLID STREAMS OF WATER MAY BE INEFFECTIVE  
EXTINGUISH FIRE USING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE  
(MATERIAL ITSELF DOES NOT BURN OR BURNS WITH DIFFICULTY.)  
USE WATER IN FLOODING QUANTITIES AS FOG  
APPLY WATER FROM AS FAR A DISTANCE AS POSSIBLE

ENVIRONMENTAL CONSIDERATIONS - LAND SPILL

DIG A PIT, POND, LAGOON, HOLDING AREA  
TO CONTAIN LIQUID OR SOLID MATERIAL  
DIKE SURFACE FLOW USING SOIL, SAND BAGS,  
FOAMED POLYURETHANE, OR FOAMED CONCRETE  
ABSORB BULK LIQUID WITH FLY ASH OR CEMENT POWDER  
NEUTRALIZE WITH VINEGAR OR OTHER DILUTE ACID

FIRST AID RESPONSES

MOVE VICTIM TO FRESH AIR; CALL EMERGENCY MEDICAL CARE.

000136

NTSB\_000567



**ATTACHMENT 8**

CHECMTREC Emergency Report

000137

NTSB\_000568



## Facsimile Transmission

**To**

Name..... NORFOLK SOUTHERN CORPORATION  
Company..... NORFOLK SOUTHERN CORPORATION  
Location.....  
Fax Number..... 1(540) 981-4651  
Voice Number....

**From**

Name.....  
Fax Number..... (703) 741-6090  
Voice Number.... (800) 424-9300

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**Message or comment ...**

Chemtrec Incident Report



Date and time of transmission: 1/6/2005 4:45:44 PM  
Number of pages: 9 (Including this cover page)



1/24/2005

Attw: A.G. Jordan  
14 pages to her

DLS

000138

NTSB\_000569

CHEMTREC EMERGENCY REPORT

CHEMTREC Report Number: 01062005004

Actual Incident Date: 01/06/2005

Actual Incident Time:

Date Reported: 01/06/2005

Local Time: 03:45:00

Incident Location: MILE POST R178 GRANITEVILLE, SC

\*\*\*\*\* THIS INCIDENT APPEARS TO BE A CHEMICAL  
DISTRIBUTION INCIDENT ( CDI ) AND MAY REQUIRE A RESPONSE BY A CHEM  
TEAM. \*\*\*\*\*

Population Center Nearby: Yes

POINT OF CONTACT

Name: R.G. MORTON  
Title: CHIEF DISPATCH  
Organization: NORFOLK SOUTHERN CORPORATION

Location: GREENVILLE, SC

Phone:

Alternate Phone: CALL-BACK TO GILL TURNER:

DOT NAME: UN1017 CHLORINE  
TRADE NAME: -  
MUTUAL AID: CHLOREP  
BOL/SID: 549820  
PRO#: -  
CONTAINER TYPE: TANK CAR  
CONTAINER ID: -  
PACKING NUMBER: -  
HAZARD CLASS: POISON BY INHALATION  
TANK OR TRUCK NUMBER: SBLX14146  
SHIPPER: OLIN CORPORATION, CHARLESTON, TN  
ALTERNATE SHIPPER: -  
CONSIGNEE: -  
CARRIER: -

DOT NAME: UN2076 CRESOLS  
TRADE NAME: -  
MUTUAL AID: -  
BOL/SID: 764376  
PRO#: -

RightFax

1/6/2005 4:52

PAGE 3/9 RightFax

1/6/2005 4:52

CONTAINER TYPE: TANK CAR  
CONTAINER ID: -  
PACKING NUMBER: -  
HAZARD CLASS: -  
TANK OR TRUCK NUMBER: GATX49030  
SHIPPER: MERISOL USA LLC HOUSTON, TX  
ALTERNATE SHIPPER: -  
CONSIGNEE: RHODIA INC CHARLESTON, SC  
CARRIER: NORFOLK SOUTHERN CORPORATION

DOT NAME: UN1824 CAUSTIC SODA, SOLUTION  
TRADE NAME: SODIUM HYDROXIDE  
MUTUAL AID: -  
BOL/SID: 489585  
PRO#: -  
CONTAINER TYPE: TANK CAR  
CONTAINER ID: -  
PACKING NUMBER: -  
HAZARD CLASS: -  
TANK OR TRUCK NUMBER: OLN224010  
SHIPPER: CLIN CORPORATION CHARLESTON, TN  
ALTERNATE SHIPPER: -  
CONSIGNEE: ALBEMARLE CORPORATION ORANGEBURG, SC  
CARRIER: NORFOLK SOUTHERN CORPORATION

DOT NAME: UN3257 ELEVATED TEMPERATURE LIQUID, N.O.S., AT OR ABOVE 100 DEGR  
C (212 DEGREES F) AND BELOW ITS FLASH POINT  
TRADE NAME: NOS  
MUTUAL AID: -  
BOL/SID: 923739  
PRO#: 22661  
CONTAINER TYPE: TANK CAR  
CONTAINER ID: -  
PACKING NUMBER: -  
HAZARD CLASS: -  
TANK OR TRUCK NUMBER: GATX25262  
SHIPPER: WESTVACO CORP  
ALTERNATE SHIPPER: -  
CONSIGNEE: MEAD WESTVACO CORPORATION CHARLESTON, SC  
CARRIER: NORFOLK SOUTHERN CORPORATION

DOT NAME: UN3257 ELEVATED TEMPERATURE LIQUID, N.O.S., AT OR ABOVE 100 DEGR  
C (212 DEGREES F) AND BELOW ITS FLASH POINT  
TRADE NAME: NOS  
MUTUAL AID: -  
BOL/SID: 923643  
PRO#: 22661  
CONTAINER TYPE: TANK CAR

000140

NTSB\_000571

CONTAINER ID: -  
PACKING NUMBER: -  
HAZARD CLASS: -  
TANK OR TRUCK NUMBER: GATX31941  
SHIPPER: WESTVACO CORP DERIDDER, LA  
ALTERNATE SHIPPER: -  
CONSIGNEE: MEAD WESTVACO CORPORATION NORTH CHARLESTON, SC  
CARRIER: NORFOLK SOUTHERN CORPORATION

DOT NAME: UN1230 METHANOL  
TRADE NAME: RESIDUE  
MUTUAL AID: -  
BOL/SID: 176707  
PRO#: -  
CONTAINER TYPE: TANK CAR  
CONTAINER ID: -  
PACKING NUMBER: -  
HAZARD CLASS: -  
TANK OR TRUCK NUMBER: GPPX5078  
SHIPPER: GEORGIA PACIFIC CORPORATION VIENNA, GA USA  
ALTERNATE SHIPPER: -  
CONSIGNEE: ALLIED TERMINALS NORTHCHARLESTON, SC  
CARRIER: NORFOLK SOUTHERN CORPORATION

DOT NAME: UN1230 METHANOL  
TRADE NAME: RESIDUE  
MUTUAL AID: -  
BOL/SID: 176256  
PRO#: -  
CONTAINER TYPE: TANK CAR  
CONTAINER ID: -  
PACKING NUMBER: -  
HAZARD CLASS: -  
TANK OR TRUCK NUMBER: GPPX9595  
SHIPPER: GEORGIA PACIFIC CORPORATION VIENNA, GA USA  
ALTERNATE SHIPPER: -  
CONSIGNEE: ALLIED TERMINALS NORTHCHARLESTON, SC  
CARRIER: NORFOLK SOUTHERN CORPORATION

DOT NAME: UN1230 METHANOL  
TRADE NAME: RESIDUE  
MUTUAL AID: -  
BOL/SID: 176255  
PRO#: -  
CONTAINER TYPE: TANK CAR  
CONTAINER ID: -  
PACKING NUMBER: -  
HAZARD CLASS: -

TANK OR TRUCK NUMBER: UTLX201323  
SHIPPER: GEORGIA PACIFIC CORPORATION VIENNA, GA USA  
ALTERNATE SHIPPER: -  
CONSIGNEE: ALLIED TERMINALS NORTHCHARLESTON, SC  
CARRIER: NORFOLK SOUTHERN CORPORATION

01/06/2005 03:54

CALLER REPORTS A MULTIPLE CAR DERAILMENT WITH INJURIES. CALLER STATES THAT IT IS BELIEVED THAT SODIUM HYDROXIDE CAR IS LEAKING. CALLER UNABLE TO PROVIDE NUMBER OF INJURED OR EXTENT OF DAMAGE TO CARS. CALLER STATES MULTIPLE EMERGENCY AGENCIES OF SCENE INCLUDING ARMY HAZMAT FROM FORT GORDON AND SAVANNA RIVER HAZMAT, AS WELL AS LOCAL FIRE/RESCUE/POLICE. CALLER REQUESTING SHIPPER NOTIFICATION FOR HAZMAT CARS. CHEMTREC WILL COMPLY. NO OTHER ASSISTANCE FROM CHEMTREC REQUIRED AT THIS TIME. END CALL  
EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 04:03:04

OUT TO OLIN CHEMICAL, CHLOREP. 706-795-1510. Aiken County, South Carolina. NO ANSWER. CHEMTREC WILL NOTIFY NEXT SHIPPER IN LINE WHO IS ALSO OLIN CHEMICAL.  
EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 04:07:00

OUT TO OLIN CHEMICAL. SPOKE WITH BUTCH RIPPETOR. ADVISED OF INCIDENT, PROVIDED CONTACT INFORMATION FOR RAILROAD. HE WILL PASS FOR ACTION. HE WAS ALSO NOTIFIED THAT OLIN IS LISTED AS CHLOREP FOR THE COUNTY INVOLVED. WAS ADVISED THAT NO CHLOREP CONTACT WAS MADE BUT HE WILL PASS FOR ACTION AS WELL. END CALL.  
EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 04:10:00

OUT TO MERISOL. SPOKE WITH LEE HURTT. ADVISED OF INCIDENT, PROVIDED CONTACT INFORMATION FOR RAILROAD. HE WILL PASS FOR ACTION. END CALL.  
EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 04:10 AM

IN FROM PAUL WILLIAMS, NORFOLK SOUTHERN. HE WAS CALLING TO REPORT THE INCIDENT. CHEMTREC ADVISED A REPORT HAD ALREADY BEEN MADE. HE RELAYED THERE IS A CLOUD AND BELIEVES THAT CHLORINE HAS RELEASED. CHEMTREC ADVISED THAT A CHLOREP HAD BEEN ACTIVATED AND OLIN HAS BEEN NOTIFIED.  
EMERGENCY SERVICES SPECIALIST: PAMELA BACON

01/06/2005 04:15:02

OUT TO MEAD WESTVACO. SPOKE WITH HERBERT TOWNSEND. ADVISED OF INCIDENT, PROVIDED CONTACT INFORMATION FOR RAILROAD. HE WILL PASS FOR ACTION. END CALL.  
EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 04:15:02

OUT TO MEAD WESTVACO. SPOKE WITH HERBERT TOWNSEND. ADVISED OF INCIDENT, PROVIDED CONTACT INFORMATION FOR RAILROAD. HE WILL PASS FOR ACTION. END CALL.  
EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 04:20

OUT TO GEORGIA PACIFIC CORPORATION. SPOKE WITH DEBRA LAWRENCE. ADVISED OF INCIDENT, PROVIDED CONTACT INFORMATION FOR RAILROAD. SHE WILL PASS FOR ACTION. END CALL.

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 04:27

OUT TO CARL REYNOLDS. CHEMTREC DIRECTOR. ADVISED OF INCIDENT. END CALL.

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 04:38 AM

IN FROM BUTCH RIPPETOE, OLIN, CHARLESTON, SC. HE WAS INQUIRING AS TO LOCATION OF THE INCIDENT WHICH CHEMTREC RELAYED. HE ADVISED THAT OLIVER LIVELY OF OLIN, AUGUSTA, GA HA TAKEN FOR ACTION.

EMERGENCY SERVICES SPECIALIST: PAMELA BACON

01/06/2005 05:09

IN FROM DEBRA LAWRENCE, GEORGIA GULF. INFORMS CHEMTREC THAT THEY HAVE NO CARS ON THAT TRAIN AND THAT THIS NOTIFICATION IS INCORRECT.

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:10

IN FROM DAVID RIGGS [REDACTED], GEORGIA GULF. INFORMS CHEMTREC THAT THEY HAVE NO CA ON THAT TRAIN AND THAT THIS NOTIFICATION IS INCORRECT.

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:10

OUT TO JAMES HOLMES, GEORGIA PACIFIC. ADVISED OF INCIDENT. PROVIDED CONTACT INFORMATION. HE WILL TAKE FOR ACTION. END CALL.

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:19:00

PAGE BOFF

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:22:53

IN FROM PAUL WILLIAMS. [REDACTED] NORFOLK SOUTHERN RAILROAD. UPDATED THAT CARS LEAKING WERE FOUND TO BE SODIUM HYDROXIDE AND CREOSOL. CALLER REQUESTS SHIPPER CONTACT ASAP.

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:26

OUT TO LEE HURTT, MERISOL. ADVISED THAT THEY NEEDED TO CONTACT RAILROAD AT NUMBER PROVIDED. THEY WILL COMPLY.

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:31

OUT TO OLIN CHEMICAL. PROVIDED NEW CONTACT NUMBER FOR PAUL WILLIAMS AT RAILROAD. END CALL.

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:32

OUT TO ALLIED CHEMICAL. 843-853-0453. NUMBER FOUND POWER FINDER. REACHED MACHINE. MESSAGE STATED TO CONTACT BOB WELCH AT [REDACTED] 7 FOR EMERGENCY. CHEMTREC WILL MAKE CAL

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:34

OUT TO BOB WELCH, ALLIED TERMINAL. REACHED VOICEMAIL. LEFT MESSAGE. END CALL.

EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:38

IN FROM AL MATTY, BOFE. ADVISED OF INCIDENT. HE WILL TAKE FOR ACTION. END CALL.  
EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:50

IN FROM PAUL WILLIAMS, NORFOLK SOUTHERN. REQUEST CHEMTREC RE-ALERT CHLOREP TEAM AS  
THERE ARE NOW REPORTS OF CHLORINE SMELL IN AIR.  
EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:52 AM

IN FROM JAN, DISPATCHER, WITH AIKEN COUNTY, SC SHERIFF'S DEPARTMENT. SHE JUST WANTED  
REPORT THE INCIDENT. NO ADVICE/ASSISTANCE REQUESTED. HER NUMBER IS [REDACTED].  
ADVISED HER THAT THE INCIDENT HAD BEEN REPORTED AND ALL SHIPPERS HAVE BEEN  
NOTIFIED. EMERGENCY SERVICES SPECIALIST: PAMELA BACON

01/06/2005 05:53

OUT TO OLIN CHLOREP. [REDACTED] PHONE RANG OFF. NO ANSWER. END CALL.  
EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 05:57

OUT TO RICK HALL, OLIN. HE STATES THAT CHLOREP HAS BEEN ACTIVATED AND IS IN ROUTE..  
WILL CONTACT PAUL WILLIAMS AT SCENE. END CALL.  
EMERGENCY SERVICES SPECIALIST: KIP MASON

01/06/2005 07:12

IN FROM RANDY SPEIGHT, CHEMTREC. REQUESTED A COPY OF THE INCIDENT REPORT EMAILED TO HIM  
EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 07:23

IN FROM DIANE LARSON, OCCIDENTAL CHEMICAL. REQUESTING TO KNOW WHERE THE INCIDENT IS  
LOCATED. I ADVISED HER IT WAS IN GREENVILLE, SC. I OFFERED TO FAX DIANE A COPY OF THE  
INCIDENT REPORT. SHE REQUESTED I FAX IT TO HER AT (972) 404-3275. I ALSO OBTAINED HER C  
BACK NUMBER. [REDACTED] ALONG WITH HER EMAIL: [REDACTED]  
EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 08:10:00 AM

IN FROM TOM LASSEIGNE, NTSB. HE IS REQUESTING DETAILS OF INCIDENT. PROVIDED KNOWN  
INFORMATION THAT CHEMTREC WAS AWARE OF.  
EMERGENCY SERVICES SPECIALIST: JOE MILAZZO

01/06/2005 08:20:00 AM

IN FROM TOM LASSEIGNE, NTSB. HE IS REQUESTING A COPY OF REPORT FOR HIS RECORDS. HIS FAX  
NUMBER IS 202-314-6482.  
EMERGENCY SERVICES SPECIALIST: JOE MILAZZO

01/06/2005 08:25:00

IN FROM MATT KRAUSMANN AND BOB WELCH AT ALLIED TERMINALS. CHEMTREC PROVIDED MATT AND BO  
WITH THE MOST RECENT INCIDENT DETAILS AND CONTACT INFORMATION FOR NORFOLK SOUTHERN.  
CHEMTREC WILL FAX REPORT TO ALLIED TERMINALS AT [REDACTED]  
EMERGENCY SERVICES SPECIALIST: LAURA CATHCART

01/06/2005 08:58:00



IN FROM MS. GAIL JORDAN. NORFOLK SOUTHERN RAILROAD. [REDACTED] REPORTING THAT THERE IS A GREEN CLOUD OR GREEN SMOKE COMING FROM TANK CAR# GATX-31941. CALLER IS REQUESTING INFORMATION ON THE PRODUCT THAT THE CAR IS CARRYING. I WAS UNABLE TO GIVE MS. JORDAN AN ANSWER. I ADVISED HER TO STAY ON THE LINE WHILE I TRY TO CONFERENCE HER IN WITH A REPRESENTATIVE OF WESTVACO THE SHIPPER.  
EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 09:03

OUT TO MR. J. HUGHES. WESTVACO. DAYTIME NUMBER. LEFT URGENT MESSAGE IN VOICEMAIL. RECORDING STATED TO PAGE MR. HUGHES IF IT IS AN EMERGENCY AT [REDACTED]  
EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 09:04

OUT TO MR. J. HUGHES. WESTVACO. [REDACTED] PAGED MR. HUGHES.  
EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 09:05:00

\*\*\*\*\* PLEASE REFERENCE REPORT# 10602005023\*\*\*\*\*  
EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 04:39:53

9 FAXES QUEUED.

5 EMAILS QUEUED.

E-MAIL QUEUED TO JACK AHERNE AT CHLOREP

FAX QUEUED TO JAMES J. HOLMES AT GEORGIA PACIFIC CORPORATION

E-MAIL QUEUED TO JAMES J. HOLMES. AT GEORGIA PACIFIC CORPORATION

FAX QUEUED TO WANDA LINGERFELT AT OLIN CORPORATION

E-MAIL QUEUED TO W. LINGERFELT AT OLIN CORPORATION

FAX QUEUED TO RICK HALL AT OLIN CORPORATION

FAX QUEUED TO EMERGENCY CENTER AT OLIN CORPORATION

FAX QUEUED TO JIM HINTON AT MERISOL USA LLC

FAX QUEUED TO CHRIS BARKIN AT BUREAU OF EXPLOSIVES

FAX QUEUED TO AAR AT BUREAU OF EXPLOSIVES

E-MAIL QUEUED TO AAR OPERATIONS CENTER AT BUREAU OF EXPLOSIVES

FAX QUEUED TO NORFOLK SOUTHERN CORPORATION AT NORFOLK SOUTHERN CORPORATION

FAX QUEUED TO J W HUGHES AT MEAD WESTVACO CORPORATION

E-MAIL QUEUED TO J W HUGHES. AT MEAD WESTVACO CORPORATION

01/06/2005 05:14:51

9 FAXES QUEUED.

5 EMAILS QUEUED.

E-MAIL QUEUED TO JACK AHERNE AT CHLOREP

FAX QUEUED TO JAMES J. HOLMES AT GEORGIA PACIFIC CORPORATION

E-MAIL QUEUED TO JAMES J. HOLMES. AT GEORGIA PACIFIC CORPORATION

FAX QUEUED TO WANDA LINGERFELT AT OLIN CORPORATION

E-MAIL QUEUED TO W. LINGERFELT AT OLIN CORPORATION

FAX QUEUED TO RICK HALL AT OLIN CORPORATION

FAX QUEUED TO EMERGENCY CENTER AT OLIN CORPORATION

FAX QUEUED TO JIM HINTON AT MERISOL USA LLC

FAX QUEUED TO CHRIS BARKIN AT BUREAU OF EXPLOSIVES

FAX QUEUED TO AAR AT BUREAU OF EXPLOSIVES

E-MAIL QUEUED TO AAR OPERATIONS CENTER AT BUREAU OF EXPLOSIVES

FAX QUEUED TO NORFOLK SOUTHERN CORPORATION AT NORFOLK SOUTHERN CORPORATION

FAX QUEUED TO J W HUGHES AT MEAD WESTVACO CORPORATION

60 PAGE  
RightFax

1594 186 075

1/6/2005 4:52

PAGE 9/9

RightFax

50:61 5002 42 NHT

E-MAIL QUEUED TO J W HUGHES.. AT MEAD WESTVACO CORPORATION

01/06/2005 07:22:25

0 FAXES QUEUED.

1 EMAILS QUEUED.

E-MAIL QUEUED TO RANDY SPEIGHT AT CHEMTREC

01/06/2005 07:30:07

0 FAXES QUEUED.

1 EMAILS QUEUED.

E-MAIL QUEUED TO DIANE LARSON AT OCCIDENTAL CHEMICAL

01/06/2005 08:30:11 AM

1 FAXES QUEUED.

0 EMAILS QUEUED.

FAX QUEUED TO TOM LASSEIGNE AT NTSB

01/06/2005 08:36:25

1 FAXES QUEUED.

0 EMAILS QUEUED.

FAX QUEUED TO MATT KRAUSMANN AND BOB WELCH AT ALLIED TERMINALS

01/06/2005 09:03:31 AM

01/06/2005 16:14:15

1 FAXES QUEUED.

0 EMAILS QUEUED.

FAX QUEUED TO NORFOLK SOUTHERN CORPORATION AT NORFOLK SOUTHERN CORPORATION



### Facsimile Transmission

**To**

Name..... DAVID SCHOENDEERFER  
Company..... NORFOLK SOUTHERN  
Location.....  
Fax Number..... 1(540) 981-4651  
Voice Number....

**From**

Name.....  
Fax Number..... (703) 741-6090  
Voice Number.... (800) 424-9300

#### DISCLAIMER

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### Message or comment ...

Chemtrec Incident Report



Date and time of transmission: 1/6/2005 4:44:50 PM  
Number of pages: 4 (including this cover page)



11:30PM  
RightFax

1997 186 075

1/6/2005 4:45

PAGE 2/4

RightFax

50:51 5002 62 NAF

CHEMTREC EMERGENCY REPORT

CHEMTREC Report Number: 01062005023

Actual Incident Date: 01/06/2005

Actual Incident Time:

Date Reported: 01/06/2005

Local Time:

Incident Location:

GRANITEVILLE

, SC

\*\*\*\*\* THIS INCIDENT APPEARS TO BE A CHEMICAL  
DISTRIBUTION INCIDENT ( CDI ) AND MAY REQUIRE A RESPONSE BY A CHEMN  
TEAM. \*\*\*\*\*

Population Center Nearby: Yes

POINT OF CONTACT

Name: R.G. MORTON

Title: CHIEF DISPATCH

Organization: NORFOLK SOUTHERN CORPORATION

Location: GRANITEVILLE  
, SC

Phone:

Alternate Phone

: CALL-BACK TO GILL TURNER:

000148

NTSB\_000579

01/06/2005 09:05:00

\*\*\*\*\* REPORT CONTINUED FROM INITIAL CHEMTREC REPORT# 01062005004\*\*\*\*\*  
OUT TO TOM ALEXANDER, WESTVACO, DAYTIME NUMBER. I ADVISED HIM THAT MS. GAIL JORDAN OF NORFOLK SOUTHERN RAILROAD IS REQUESTING CONTACT WITH A REPRESENTATIVE OF WESTVACO. MR. ALEXANDER CONSENTED AND I CONFERENCED HIM IN WITH MS. JORDAN. MR. ALEXANDER ADVISED THAT THE PEOPLE ON SCENE MUST HAVE THE CARS CONFUSED. HE ADVISED THAT BOTH OF THEIR RAIL CAR CONTAIN ROSIN RESIDUE IN A BRICK FORM.  
EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 09:41:00

IN FROM MR. BOLER, NORFOLK SOUTHERN RAILROAD. [REDACTED] REQUESTING CONTACT WITH REPRESENTATIVE OF WESTVACO REGARDING TANK CAR# GATX-31941. I ADVISED MR. BOLER TO STAY THE LINE WHILE I CONFERENCE HIM IN WITH MR. TOM ALEXANDER OF WESTVACO.  
EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 09:44:00

OUT TO MR. TOM ALEXANDER, WESTVACO. I CONFERENCED HIM IN WITH MR. BOLER OF NORFOLK SOUTHERN RAILROAD. MR. BOLER STATED THAT THEY THINK THAT TANK CAR # GATX-31941 IS ON FI. MR. ALEXANDER ADVISED THAT THE PRODUCT IS CRUDE TALL OIL WHICH IS A NON-REGULATED WOOD PRODUCT. MR. ALEXANDER ADVISED THAT THE INSULATION OF THE CAR COULD POSSIBLY BE ON FIRE DURING THE COURSE OF THE CONFERENCE MR. BOLER RECEIVED WORD FROM NORFOLK SOUTHERN RAILROAD PERSONNEL ON SCENE THAT THE TANK CAR IN QUESTION IS NOT ON FIRE.  
EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 09:48

IN FROM MR. J. HUGHES, WESTVACO, RETURNING CHEMTREC'S CALL. MR. ALEXANDER WAS ALSO ON T LINE. HE ADVISED THAT HE HAD JUST FINISHED BRIEFING MR. HUGHES OF THE INCIDENT AND RECEIVED CALLS. NO FURTHER ASSISTANCE NEEDED FROM CHEMTREC AT THIS TIME.  
EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 10:50

IN FROM EISENHOWER MEDICAL CENTER, FT GORDEN GEORGIA, SHE IS REQUESTING INFORMATION ON CHLORINE. SHE ADVISES THAT THEY HAVE 1 PATIENT AT THEIR FACILITY THAT MAY BE SUFFERING FROM EXPOSURE TO THE PRODUCT. CHEMTREC WILL FAX THE CALLER THE SHIPPERS MSDS ON CHLORINE. FAX [REDACTED] CALL BACK, [REDACTED]  
EMERGENCY SERVICES SPECIALIST: ROBERT WIBLE

01/06/2005 11:00:00

FAXED MSDS 44482658 TO DEBBIE MERRELL.  
EMERGENCY SERVICES SPECIALIST: ROBERT WIBLE

01/06/2005 11:10

IN FROM DEBBIE MERRELL REQUESTING MEDICAL ASSISTANCE FROM A DOCTOR FOR THE TREATING PHYSICIAN DR LEVIERI. CHEMTREC ADVISE THE CALLER TO STANDBY FOR A CONFERENCE WITH THE PROSAR.  
EMERGENCY SERVICES SPECIALIST: ROBERT WIBLE

01/06/2005 11:15

OUT TO PROSAR, INITIATED CONFERENCE, WITH PROSAR, UNABLE TO MONITOR CONFERENCE DUE TO INCOMING CALLS.,  
EMERGENCY SERVICES SPECIALIST: ROBERT WIBLE

01/06/2005 11:15

000149

NTSB\_000580

ET'398d  
RightFAX

1594 186 075  
1/6/2005 4:45

PAGE 4/4 RightFax

90:91 5002 42 NHR

IN FROM SENIOR MASTER SERGEANT JOHN LESLIE WITH SOUTHEAST AIR DEFENSE SECTOR AT TINDLE BASE, FLORIDA. LESLIE ADVISED THAT HE NEEDED TO KNOW DOWNWIND EVACUATION DISTANCES FROM THE DERAILED RAILCAR BECAUSE HE HAD PEOPLE AND EQUIPMENT IN THE AREA AT AN UNDISCLOSABLE LOCATION. CHEMTREC ADVISED LESLIE THAT CHEMTREC WILL CALL BACK WITH THE UPDATED INCIDENT DETAILS.

EMERGENCY SERVICES SPECIALIST: LAURA CATHCART

01/06/2005 11:15

IN FROM SENIOR MASTER SERGEANT JOHN LESLIE WITH SOUTHEAST AIR DEFENSE SECTOR IN TINDLE BASE, FLORIDA REQUESTING DOWNWIND EVACUATION DISTANCES FOR EQUIPMENT AND PERSONNEL THAT WERE IN AN UNDISCLOSED AREA NEAR THE INCIDENT. CHEMTREC WILL CALL BACK WITH THE UPDATED INCIDENT DETAILS.

EMERGENCY SERVICES SPECIALIST: LAURA CATHCART

01/06/2005 11:25

OUT TO JOHN LESLIE AT [REDACTED]. CHEMTREC WILL FAX MSDS (DOC ID# 44482656). CHEMTREC ADVISED LT. COL. THEOBALD THAT FOR THE PURPOSES OF EVACUATION DISTANCES TO CONSIDER THE PRODUCT CONTAINED IN THE RAILCAR TO BE A LIQUID THAT UPON RELEASE TURNS INTO A GAS.

EMERGENCY SERVICES SPECIALIST: LAURA CATHCART

01/06/2005 11:25

OUT TO JOHN LESLIE AT [REDACTED] CHEMTREC WILL FAX MSDS (DOC ID# 44482656) TO 850-28 5469. CHEMTREC ADVISED LIEUTENANT COLONEL THEOBALD THAT FOR THE PURPOSE OF EVACUATION DISTANCES THAT THE PRODUCT IN THE CHLORINE RAIL CAR IS A LIQUID THAT TURNS INTO A GAS & RELEASED.

EMERGENCY SERVICES SPECIALIST: LAURA CATHCART

01/06/2005 11:28

FAX OF MSDS TO JOHN LESLIE WITH SOUTHEAST AIR DEFENSE SECTOR.

EMERGENCY SERVICES SPECIALIST: LAURA CATHCART

01/06/2005 16:13

IN FROM DAVID SCHOENDOREFER AT NORFOLK SOUTHERN REQUESTING A FAX OF CHEMTREC'S INCIDENT REPORT TO 540-981-4651.

EMERGENCY SERVICES SPECIALIST: LAURA CATHCART

01/06/2005 16:42

IN FROM DAVID. NORFOLK SOUTHERN. REQUESTING THAT CHEMTREC REFAX BOTH REPORTS AGAIN.

EMERGENCY SERVICES SPECIALIST: JOHN STEIN

01/06/2005 16:17:16

1 FAXES QUEUED.

0 EMAILS QUEUED.

FAX QUEUED TO DAVID SCHOENDOREFER AT NORFOLK SOUTHERN

Edit History:

ET'398d

000150

000150

NTSB\_000581

**ATTACHMENT 9**

Norfolk Southern Control Center NTSB / NRC Report

000151

NTSB

Date: 01/06/05

D. A. Lumpkin  
(Person Reporting)

Norfolk Southern Corporation

Location of accident Graniteville SC Milepost R 178

County: Aiken Time: 240Am Date: 01/06/05

Description  
#192 derailed with hazmat release

Casualties:

Fatalities: ONE (confirmed)

Injuries: Multiple Reported (Not confirmed)

Estimated property damage (railroad):

(other):

Called: Crews 400A 01/06/05  
(Name and Title) (Time and Date)

NTSB REPORT NUMBER: 746298  
(NTSB Phone Number: 800-424-0201)

Copy: T. A. Heilig  
M. J. Ebuna

Safety Department  
Office File

txdec 03/15/04

000152

\*\* TOTAL PAGE.01 \*\*

NTSB\_000583



**ATTACHMENT 10**

NRC Report # 746298

000153

NATIONAL RESPONSE CENTER - PUBLIC REPORT

Incident Report # 746298

INCIDENT DESCRIPTION

\*Report taken by: MST3 CREWS at 03:58 on 06-JAN-05

Incident Type: RAILROAD

Incident Cause: DERAILMENT

Affected Area:

The incident occurred on 06-JAN-05 at 02:40 local time.

Affected Medium: AIR ATMOSPHERE

---

SUSPECTED RESPONSIBLE PARTY

Name: DENNIS LUMPKIN

Organization: NORFOLK SOUTHERN RAILROAD Address: 185 SPRING STREET SW

ATLANTA, GA 30303

PRIMARY Phone: [REDACTED]

Type of Organization: PRIVATE ENTERPRISE

---

INCIDENT LOCATION

MARSHALL STREET County: AIKEN City: GRANITEVILLE State: SC

MM R178

---

RELEASED MATERIAL(S)

CHRIS Code: NCC Official Material Name: NO CHRIS CODE

Also Known As: CHLORINE

Qty Released: 0 UNKNOWN AMOUNT

CHRIS Code: SHD Official Material Name: SODIUM HYDROXIDE

Also Known As:

Qty Released: 0 UNKNOWN AMOUNT

---

DESCRIPTION OF INCIDENT

THE MATERIAL IS RELEASING FROM THE TRAIN DUE TO A DERAILMENT

---

INCIDENT DETAILS

Grade Crossing: NO

Location Subdivision: PIEDMONT

Railroad Milepost: R178

Type of Vehicle Involved:

Crossing Device Type:

Device Operational: YES

DOT Crossing Number:

Date and Time Service was/will be Restored:

Brake Failure: NO

Federal Post-Accident 219.201 Sub Part C Testing Required:

---

---RAILROAD INFORMATION---

Railroad Involved: NORFOLK SOUTHERN

Train Number: 19205

Train Type: FREIGHT Train Direction: N

000154

Attachment B

NTSB\_000585

Train Speed: 45 Track Speed: 45  
 Locomotives: 2 Cars: 42 Derailed:  
 Suspected DOT Regulation Non Compliance: NO

## DERAILED CARS:

| Pos. | Carnumber | Type | Cargo |
|------|-----------|------|-------|
|------|-----------|------|-------|

DAMAGES

Fire Involved: NO Fire Extinguished: UNKNOWN

|              |    |                |          |              |            |            |  |
|--------------|----|----------------|----------|--------------|------------|------------|--|
| INJURIES:    | 2  | Hospitalized:  | 2        | Empl/Crew:   | 2          | Passenger: |  |
| FATALITIES:  |    | Empl/Crew:     |          | Passenger:   |            | Occupant:  |  |
| EVACUATIONS: | 10 | Who Evacuated: | EVERYONE | Radius/Area: | .5 Mile(s) |            |  |

Damages:

| Closure Type | Description of Closure | Length of Closure | Direction of Closure |
|--------------|------------------------|-------------------|----------------------|
| Air:         | N                      |                   |                      |
| Road:        | N                      |                   | M<br>Ar              |
| Waterway:    | N                      |                   |                      |
| Track:       | Y PIEDMONT             | 24                | N/S                  |

Passengers Transferred:

Media Interest: MEDIUM Community Impact due to Material: YES

REMEDIAL ACTIONS

POLICE AND FIRE ARE ON SCENE HEPECO HAS BEEN HIRED TO CLEANUP  
 Release Secured: UNKNOWN Release Rate: Estimated Release Duration:

WEATHER

Weather: CLEAR, 59°F Wind speed: 7 MPH Wind direction: SW

ADDITIONAL AGENCIES NOTIFIED

|                       |                   |
|-----------------------|-------------------|
| Federal:              | NO                |
| State/Local:          | LOCAL AUTHORITIES |
| State/Local On Scene: | DD, FD            |
| State Agency Number:  | NONE              |

NOTIFICATIONS BY NRC

|  |       |              |          |
|--|-------|--------------|----------|
| DOT CRISIS MANAGEMENT CENTER (PRIMARY) |       |              |          |
| 06-JAN-05                              | 04:11 | (202)3661863 |          |
| FEDERAL RAILROAD ADMIN. (PRIMARY)      |       |              |          |
| 06-JAN-05                              | 04:25 | (202)4936214 | GRAY     |
| EPA OEPPR (PRIMARY)                    |       |              |          |
| 06-JAN-05                              | 04:15 | (202)5643850 | MS KELLY |

000155

U.S. EPA IV (PRIMARY)  
 06-JAN-05 04:15 (404)6504955 R4DUTYOSC  
 FEDERAL EMERGENCY MANAGEMENT AGENCY (PRIMARY)  
 06-JAN-05 04:17 (800)6347084 MR AUSTIN  
 NOAA 1ST CLASS BB RPTS FOR SC (PRIMARY)  
 06-JAN-05 04:11 (206)5266344  
 NATIONAL RESPONSE CENTER HQ (PRIMARY)  
 06-JAN-05 04:25 (202)2672100 CREWS  
 NTSB PIPELINE (PRIMARY)  
 06-JAN-05 04:11 (202)3146293  
 NTSB RAIL (PRIMARY)  
 06-JAN-05 04:11 (202)3146293  
 HOMELAND SEC COORDINATION CENTER (PRIMARY)  
 06-JAN-05 04:11 (202)2828300  
 OCCUPATIONAL SAFETY & HEALTH ADMIN (PRIMARY)  
 06-JAN-05 04:20 (801)2334900 CURTIS  
 RSPA OFFICE HAZARDOUS MATERIALS (PRIMARY)  
 06-JAN-05 04:18 (202)3661863 BRISCO  
 RSPA OFFICE HAZARDOUS MATERIALS (RSPAOMM FAX#2)  
 06-JAN-05 04:11 (202)3661863  
 RSPA OFFICE OF PIPELINE SAFETY (PRIMARY)  
 06-JAN-05 04:17 DO NOT NOTIFY  
 SC EMERGENCY PREPAREDNESS DIVISION (PRIMARY)  
 06-JAN-05 04:11 (803)7378500  
 GEORGIA EMERGENCY MNGMT AGENCY (PRIMARY)  
 06-JAN-05 04:11 (404)6357200  
 SC DEPT OF ENV CNTL ATTN: ERS (PRIMARY)  
 06-JAN-05 04:11 (803)2536488  
 TSA MARITIME AND LAND (PRIMARY)  
 06-JAN-05 04:18 (703)5633236 HOUAK

---

ADDITIONAL INFORMATION

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\*\*\* END INCIDENT REPORT # 746298 \*\*\*

000156

NTSB\_000587

**ATTACHMENT 11**

Train Consist Technical Information  
Faxed to Aiken 911 Center by  
Bill Oertly, Norfolk Southern  
Environmental Protection Department

000157

TRANSMISSION VERIFICATION REPORT

TIME : 01/06/2005 05:15  
 NAME : NS ENVIR PROTECT  
 FAX : 540-981-4651  
 TEL :  
 SER.# : BROJ2J693870

DATE, TIME  
 FAX NO./NAME  
 DURATION  
 PAGE(S)  
 RESULT  
 MODE

01/06 05:03  
 718036422010  
 00:11:31  
 37  
 OK  
 STANDARD  
 ECM



Norfolk Southern Corporation

From:

BILL OERTLY

Environmental Protection Department  
 110 Franklin Road SE  
 Roanoke, VA 24042-0013

Phone:

Fax: (540) 981-4651

Date:

JAN 6, 2005

Number of pages

Including this page:

37

To:

CATHY RANDALL

Company:

AIKEN 911 CENTER

Facsimile#:

Subject:

TRAIN DERAILMENT

Note:

TRAIN CONSIST AND TECHNICAL

000158

NTSB\_000589



Norfolk Southern Corporation

From: BILL OERTLY

Environmental Protection Department  
110 Franklin Road SE  
Roanoke, VA 24042-0013

Phone: [REDACTED]

Fax: (540) 981-4651

Date: JAN 6, 2005 Number of pages  
Including this page: 37

To: CATHY RANDALL

Company: AIKEN 911 CENTER

Facsimile #:

Subject: TRAIN DERAILMENT

Note: TRAIN CONSIST AND TECHNICAL  
INFORMATION ABOUT CHLORINE  
SODIUM HYDROXIDE + CRESOL

If there is any problem with the transmission process of this facsimile, please contact the above mentioned individual at the phone number listed.

000159

NTSB\_000590



# Norfolk Southern Corporation

From:

BILL OERTLY

Environmental Protection Department  
110 Franklin Road SE  
Roanoke, VA 24042-0013

Phone:

[REDACTED]

Fax:

(540) 981-4651

Date:

JAN 6, 2005

Number of pages

Including this page:

37

To:

DOUG SNYDER

Company:

HEPACO

Facsimile#:

770-621-0238

Subject:

TRAIN DERAILMENT

Note:

TRAIN CONSIST AND TECHNICAL  
INFORMATION ABOUT CHLORINE,  
SODIUM HYDROXIDE AND CRESOL

If there is any problem with the transmission process of this facsimile, please contact the above mentioned individual at the phone number listed.

000160



## NORFOLK SOUTHERN

THIS TRAIN CONTAINS THE FOLLOWING "KEY-TRAIN" HAZARDOUS MATERIALS LOADS:

```
*****
*
*                               IN                               SET-OUT/PICK-UP
*                               TRAIN
*
* POISON INHALATION HAZARD (HZ A OR B)  3 (PIH)  _____  _____  _____  _____
* DIVISION 1.1 OR 1.2 (EXPLOSIVES)      0 (EX)   _____  _____  _____  _____
* DIVISION 2.1 (FLAMMABLE GAS)          0 (FG)   _____  _____  _____  _____
* ENVIRONMENTALLY SENSITIVE CHEMICALS    0 (ESC)  _____  _____  _____  _____
*
*                               TOTAL:    3
*****
```

```
P0 OUT NIXON      GA    D122 1215A
P0 IN  AUGUSTA    GA    R191 1235A
P0 OUT AUGUSTA    GA    R191 0235A
P0 IN  WARRENV I SC    R179 0300A
P0 OUT WARRENV I SC    R179 0330A
P0 IN  COLUMBIA   SC    R109 0645A
```

000161

PAGE 002 OF 037 F #PZA

CARS IN THIS CONSIST COUNT FROM FRONT TO REAR

HAZARDOUS CONSIST FOR TRAIN 192-P0-05 DIRECTION: OUT PAGE 01 OF  
DEPARTED AUGUSTA GA 01/06/05 02:13 AM PRINTED 01/06/05 04:13 AM  
CONDUCTOR: ON DUTY: OFF DUTY:

+++++  
BLOCKS IN THIS TRAIN  
BLOCK NAME HEAD CAR REAR CAR LOADS EMPTY TONS LENGTH  
-----  
CHSTNP NS 473153 WVCX 002040 10 6 1325 975  
CLMBAP ACFX 051213 CSXT 495573 7 3 968 539  
CLSCP PTLX 041864 CSXT 497760 6 8 1028 784  
UNKNOWN NS 269182 SOU 006774 2 0 199 112  
+++++

\*\*CARS SET OUT\*\*

SEQ INIT NUMBER L/E DEST/OFFJCT NXRD TON CONSIGNE S T C C TYPE TIME TRACK LINE  
000 NS E06653 E 000  
000 NS E06593 E 000  
000 CR X15396 E 000 M970

000162

NTSB\_000593

PAGE 003 OF 037 F #PZA

001 NS 473153 L CHARLEST SC PUCC 103 SCPORT 2631117 A405 \_\_\_\_\_  
FRM B-END/UNLD RIGHT SIDE

002 NS 269182 L WARWICK SC 109 PPGINDUS 3295231 C113 \_\_\_\_\_

003 SOU 006774 L AIKEN SC 090 AGY 3295231 C313 \_\_\_\_\_

004 ACFX 051213 E COLUMBIA SC CSXT 036 ELECHRLP C614 \_\_\_\_\_

005 NAHX 551307 E COLUMBIA SC CSXT 033 ELECHRLP C614 \_\_\_\_\_

006 SBLX 014146 L ORANGEBU SC 130 GULMANUF 4920523 T564 \_\_\_\_\_

PIH ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

CHLORINE  
2.3(8)/UN1017  
RQ(CHLORINE)  
MARINE POLLUTANT  
(CHLORINE)  
POISON INHALATION HAZARD

000163

NTSB\_000594

PAGE 004 OF 037 F #PZA

HAZARD ZONE B  
EMERGENCY CONTACT:  
18004249300  
DOT E 7616  
HAZMAT STCC=4920523

TO/CONSIGNEE:  
GULBRANDSEN MFG CO; ORANGEBURG  
ORANGEBURG SC

FROM/SHIPPER:  
OLIN CORP  
AUGUSTA GA

007 GATX 017105 L CHARLEST SC 131 RHOPULE 4920523 T564

PIH ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

CHLORINE  
2.3(8)//UN1017  
RQ(CHLORINE)  
MARINE POLLUTANT  
(CHLORINE)  
POISON INHALATION HAZARD  
HAZARD ZONE B  
EMERGENCY CONTACT:

000164

NTSB\_000595

PAGE 005 OF 037 F #PZA

TO/CONSIGNEE:

RHODIA INC; CHARLESTO  
CHARLESTON SC

18004249300  
DOT E 7616  
HAZMAT STCC=4920523  
FROM/SHIPPER:  
OLIN CORP  
AUGUSTA GA

008 GATX 058326 L CHARLOTT NC CSXT 127 JONCHEMI 4935240 T104  
ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

SODIUM HYDROXIDE SOLUTION  
8//UN1824//PG II  
RQ(SODIUM HYDROXIDE)  
EMERGENCY CONTACT:  
CHEMTREC  
1-800-424-9300  
DOT E 7616  
HAZMAT STCC=4935240

TO/CONSIGNEE:

JONES CHEMICALS INC; CHARLOTTE

FROM/SHIPPER:  
OLIN CORP

000165

NTSB\_000596

PAGE 006 OF 037 F #PZA  
CHARLOTTE

NC

AUGUSTA

GA

009 UTLX 900270 L CHARLEST SC 131 RHOPULE 4920523 T944  
PIH ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

CHLORINE  
2.3 (8) //UN1017  
RQ (CHLORINE)  
MARINE POLLUTANT  
(CHLORINE)  
POISON INHALATION HAZARD  
HAZARD ZONE B  
EMERGENCY CONTACT:  
18004249300  
DOT E 7616  
HAZMAT STCC=4920523

TO/CONSIGNEE:  
RHODIA INC; CHARLESTO  
CHARLESTON SC

FROM/SHIPPER:  
OLIN CORP  
AUGUSTA GA

000166

NTSB\_000597

PAGE 007 OF 037 F #PZA

|     |      |        |   |                               |                           |       |       |       |
|-----|------|--------|---|-------------------------------|---------------------------|-------|-------|-------|
| 010 | NAHX | 551599 | E | COLUMBIA SC CSXT 033 ELECHRLP | C614                      | _____ | _____ | _____ |
| 011 | CSXT | 496430 | L | ROCKHILL SC                   | 116 DIEINDUS 3312332 E241 | _____ | _____ | _____ |
| 012 | CSXT | 496904 | L | ROCKHILL SC                   | 114 DIEINDUS 3312332 E241 | _____ | _____ | _____ |
| 013 | CSXT | 495573 | L | ROCKHILL SC                   | 118 DIEINDUS 3312332 E241 | _____ | _____ | _____ |
| 014 | NS   | 411178 | L | CHARLEST SC PUCC 085 SCPORT   | 2631117 A332              | _____ | _____ | _____ |
|     |      |        |   | FRM B-END/UNLD LEFT SIDE      |                           |       |       |       |
| 015 | NS   | 403130 | L | CHARLEST SC PUCC 084 SCPORT   | 2631117 A302              | _____ | _____ | _____ |
|     |      |        |   | FRM B-END/UNLD RIGHT SIDE     |                           |       |       |       |
| 016 | GATX | 031941 | E | CHARLEST SC                   | 034 MEADWEST 4960147 T105 | _____ | _____ | _____ |
|     |      |        |   | ENDORSED AS HAZARDOUS MAT     |                           |       |       |       |

\*\*\*\*\*

1 TNK

\* HAZARDOUS \*

\* MATERIALS \*

\*\*\*\*\*

RESIDUE: LAST CONTAINED  
ELEVATED TEMPERATURE LIQU  
ID, N.O.S.

000167

NTSB\_000598

PAGE 008 OF 037 F #PZA

TO/CONSIGNEE:  
MEADWESTVACO CORP-CHS,SC  
N. CHARLESTON SC

9//UN3257//PG III  
DOT-E 7616  
EMERGENCY CONTACT:  
8004249300  
HAZMAT STCC=4960147  
FROM/SHIPPER:  
WESTVACO CORP  
DE RIDDER LA

017 GATX 025262 E CHARLEST SC 036 MEADWEST 4960147 T105  
ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

RESIDUE: LAST CONTAINED  
ELEVATED TEMPERATURE LIQU  
ID, N.O.S.  
9//UN3257//PG III  
DOT-E 7616  
EMERGENCY CONTACT:  
8004249300  
HAZMAT STCC=4960147

000168

NTSB\_000599



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TO/CONSIGNEE:

MEADWESTVACO CORP-CHS, SC  
N. CHARLESTON SC

FROM/SHIPPER:

WESTVACO CORP  
DE RIDDER LA

018 GATX 049030 L CHARLEST SC 122 RHOPPOULE 4921706 T106

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*

1 CAR

\* HAZARDOUS \*

\* MATERIALS \*

\*\*\*\*\*

CRESOLS, SOLID  
6.1//UN2076//PG II  
RQ(CRESOL)  
POISON

EMERGENCY CONTACT:  
800-424-9300

HAZMAT STCC=4921706

TO/CONSIGNEE:

RHODIA INC  
CHARLESTON SC

FROM/SHIPPER:

MERISOL USA LLC  
HOUSTON TX

019 DOWX 006695 L CHARLEST SC 122 CARSTALL 2843152 T106

000169

NTSB\_000600

PAGE 010 OF 037 F #PZA

|                   |             |              |              |       |       |       |
|-------------------|-------------|--------------|--------------|-------|-------|-------|
| 020 WVCX 002049 L | CHARLEST SC | 118 MEAD     | 2411560 E500 | _____ | _____ | _____ |
| 021 WVCX 002014 L | CHARLEST SC | 119 MEAD     | 2411560 E500 | _____ | _____ | _____ |
| 022 WVCX 003045 L | CHARLEST SC | 125 MEAD     | 2411560 E700 | _____ | _____ | _____ |
| 023 WVCX 003077 L | CHARLEST SC | 126 MEAD     | 2411560 E700 | _____ | _____ | _____ |
| 024 UTLX 201323 E | CHARLEST SC | 033 ALLTERMI | 4909230 T108 | _____ | _____ | _____ |

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*

1 TNK

\* HAZARDOUS \*

\* MATERIALS \*

\*\*\*\*\*

RESIDUE: LAST CONTAINED

METHANOL

3//UN1230//PG II

RQ (METHANOL)

EMERGENCY CONTACT:

CHEMTREC

1-800-424-9300

HAZMAT STCC=4909230

TO/CONSIGNEE:

FROM/SHIPPER:

000170

NTSB\_000601

PAGE 011 OF 037 F #PZA  
ALLIED TERMINALS INC  
N CHARLESTON SC

GEORGIA-PACIFIC CORP  
VIENNA GA

025 GPPX 009595 E CHARLEST SC 033 ALLTERMI 4909230 T108  
ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

RESIDUE: LAST CONTAINED  
METHANOL  
3//UN1230//PG II  
RQ(METHANOL)  
EMERGENCY CONTACT:  
CHEMTREC  
1-800-424-9300  
HAZMAT STCC=4909230

TO/CONSIGNEE:  
ALLIED TERMINALS INC  
N CHARLESTON SC

FROM/SHIPPER:  
GEORGIA-PACIFIC CORP  
VIENNA GA

026 GPPX 005078 E CHARLEST SC 034 ALLTERMI 4909230 T108  
ENDORSED AS HAZARDOUS MAT

000171

NTSB\_000602

PAGE 012 OF 037 F #PZA

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

TO/CONSIGNEE:  
ALLIED TERMINALS INC  
N CHARLESTON SC

027 NATX 037214 E CHARLEST SC 034 ALLTERMI 4909230 T108

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

RESIDUE: LAST CONTAINED  
METHANOL  
3//UN1230//PG II  
RQ(METHANOL)  
EMERGENCY CONTACT:  
CHEMTREC  
1-800-424-9300  
HAZMAT STCC=4909230  
FROM/SHIPPER:  
GEORGIA-PACIFIC CORP  
VIENNA GA

1 TNK

RESIDUE: LAST CONTAINED  
METHANOL  
3//UN1230//PG II

000172

NTSB\_000603

PAGE 013 OF 037 F #PZA

TO/CONSIGNEE:  
ALLIED TERMINALS INC  
N CHARLESTON SC

RQ(METHANOL)  
EMERGENCY CONTACT:  
CHEMTREC  
1-800-424-9300  
HAZMAT STCC=4909230  
FROM/SHIPPER:  
GEORGIA-PACIFIC CORP  
VIENNA GA

|     |      |        |   |          |         |     |          |         |      |       |       |       |
|-----|------|--------|---|----------|---------|-----|----------|---------|------|-------|-------|-------|
| 028 | WVCX | 002040 | L | CHARLEST | SC      | 118 | MEAD     | 2411560 | E500 | _____ | _____ | _____ |
| 029 | PTLX | 041864 | L | PROSPERI | SC      | 129 | INTPAPER | 2821142 | C214 | _____ | _____ | _____ |
| 030 | PSPX | 005703 | L | PROSPERI | SC      | 131 | INTPAPER | 2821142 | C214 | _____ | _____ | _____ |
| 031 | OLNX | 224010 | L | ORANGEBU | SC CSXT | 130 | ALBEMARL | 4935240 | T104 | _____ | _____ | _____ |

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 TNK

SODIUM HYDROXIDE SOLUTION  
8//UN1824//PG II

000173

NTSB\_000604

RQ(SODIUM HYDROXIDE)

EMERGENCY CONTACT:

CHEMTREC

1-800-424-9300

DOT E 7616

HAZMAT STCC=4935240

TO/CONSIGNEE:

ALBEMARLE CORPORATION

ORANGEBURG SC

FROM/SHIPPER:

OLIN CORP

CHARLESTON TN

032 TTPX 804131 L LOCKJOIN SC 126 CHASTEEL 3312253 F443 \_\_\_\_\_

033 CSXT 502716 E NEWBERRY SC 032 TENPACKA A302 \_\_\_\_\_

034 DUPX 022027 L FTMILL SC 128 NATFORCH 4921410 T426 \_\_\_\_\_

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*

1 CAR

\* HAZARDOUS \*

\* MATERIALS \*

\*\*\*\*\*

ANILINE

6.1//UN1547//PG II

RQ(ANILINE)

000174

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TO/CONSIGNEE:  
NATION FORD CHEMICAL  
FT MILL SC

POISON  
EMERGENCY CONTACT:  
8004249300  
HAZMAT STCC=4921410  
FROM/SHIPPER:  
DUPONT E I DENEMOURS  
PASCAGOULA MS

035 DUPX 022009 L FTMILL SC 128 NATFORCH 4921410 T656

ENDORSED AS HAZARDOUS MAT

\*\*\*\*\*  
\* HAZARDOUS \*  
\* MATERIALS \*  
\*\*\*\*\*

1 CAR

ANILINE  
6.1//UN1547//PG II  
RQ (ANILINE)

POISON  
EMERGENCY CONTACT:  
8004249300  
HAZMAT STCC=4921410

TO/CONSIGNEE:  
NATION FORD CHEMICAL

FROM/SHIPPER:  
FIRST CHEMICAL CORP

000175

NTSB\_000606

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|     | FT MILL       | SC               | PASCAGOULA   | MS   |
|-----|---------------|------------------|--------------|------|
| 036 | NATX 022479 E | KERSHALC SC      | 033 ARCDANMI | T105 |
| 037 | NATX 073697 E | KERSHALC SC      | 031 ARCDANMI | T105 |
| 038 | UELX 078286 E | KERSHALC SC      | 031 ARCDANMI | T104 |
| 039 | SOU 098325 E  | SHULER SC        | 032 USSILICA | C113 |
| 040 | CSXT 495198 E | COLUMBIA SC CSXT | 031 NUCSTEEL | E241 |
| 041 | CSXT 498063 E | COLUMBIA SC CSXT | 035 NUCSTEEL | E241 |
| 042 | CSXT 497760 E | COLUMBIA SC CSXT | 032 NUCSTEEL | E241 |

|  | LOADS | EMPTYIES | NET TONS | LT WT | GROSS TONS | LENGTH |
|--|-------|----------|----------|-------|------------|--------|
| TRAIN TOTALS:                                  | 025   | 017      | 02087    | 01433 | 03520      | 02552  |
| AHEAD RADIO:                                   | 000   | 000      | 00000    | 00000 | 00000      | 00000  |
| TOTALS DO N O T INCLUDE UNITS AND/OR CABOOSSES |       |          |          |       |            |        |

000176

NTSB\_000607



UNLOAD FROM 555 - NORFOLK SOUTHERN - 555  
RIGHT SIDE SERIAL NUMBER 3463290600 IMAGE ID E5010209646990  
\* MEMO WAYBILL \*  
EDI-BOL MERCHANDISE WAYBILL  
\*\*\*\*REPRINT\*\*\*\*  
? 01/06/05 04:21A W20

S 473153 A405 PLATE F CAR  
XP 50'06" 01/02/05 197516  
U  
VERSION 2 EDI  
09:31 AT1

54867 CHARLESTON SC 59723 MAHRT AL  
/P 54867 CHARLESTON SC  
/A 55555 ATLANTA AOC CA 55555 ATLANTA AOC GA  
S 25671981

S CHAS ,PUCC DELY  
MEADWESTVACO CORP  
HIGHWAY 165 SOUTH  
MAHRT AL36868  
165860042  
OUTH CAROLINA STATE PORT AUTHORITY 01-02-05 09:31 20029397  
O JOHNSON ST  
HARLESTON SC29413

5: NA  
MEADWESTVACO CORP 25670278  
COURTHOUSE PLAZA NORTHEAST  
ATTN GINNY VANDERPOOL  
DAYTON OH45402

PREPAID NO  
SHIPPER WEIGHT AGREEMENT  
205,853  
68,200  
137,653

2631117  
1CARPULPBOARD  
PULPBOARD  
PULPBOARD  
SCHEDULED DELY:  
050111 :  
JCC DEST SWITCH AMT1 00.00  
SHIPPER ORDER NUMBER: 20029397  
OSA 137653 MEMO WAYBILL  
DESTINATION AGENT TO PROCESS  
THRU TERMINAL ACCRUAL

MEMO (?T)

000177

NTSB\_000608

EST PRO # 001435 RPTD: 01/06/05 BY: AT1

OM REPORT:A204 USER:CICSZ@RT @ TERMID:#PZA 01/06/05 04:21:31 F@RT

000178

NTSB\_000609

IN THE EVENT OF ACCIDENT THESE INSTRUCTIONS MUST PROMPTLY  
BE MADE AVAILABLE TO EMERGENCY , FIRE OR POLICE PERSONNEL

FOR ADDITIONAL EMERGENCY INFORMATION AND ASSISTANCE, CALL  
CHEMTREC - TELEPHONE (800) 424-9300.

006 FROM ENGINE SBLX014146

007 FROM ENGINE GATX017105

009 FROM ENGINE UTLX900270

CHLORINE

4920523

DIVISION 2.3 (POISON GAS)

UN1017

ENVIRONMENTALLY HAZARDOUS SUBSTANCE (RQ-10/4.54)

CHLORINE IS A GREENISH YELLOW GAS WITH A PUNGENT SUFFOCATING ODOR. IT IS  
TOXIC BY INHALATION. IT IS SLIGHTLY SOLUBLE IN WATER. IT REACTS EXPLOSIVELY  
OR FORMS EXPLOSIVE COMPOUNDS, WITH MANY COMMON CHEMICALS. CONTACT WITH LIQUID  
SHOULD BE AVOIDED AS IT CAN CAUSE FROSTBITE. THE LIQUID READILY VAPORIZES TO  
A GAS. CHLORINE DOES NOT BURN BUT WILL SUPPORT COMBUSTION (LETS OTHER  
ARTICLES BURN). LONG TERM EXPOSURE TO LOW CONCENTRATIONS OR SHORT TERM

000179

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EXPOSURE TO HIGH CONCENTRATIONS MAY RESULT IN ADVERSE HEALTH EFFECTS FROM INHALATION. THE VAPORS ARE MUCH HEAVIER THAN AIR AND TEND TO SETTLE IN LOW AREAS. CONTACT CHEMTREC TO ACTIVATE CHLORINE RESPONSE TEAM (800 424-9300 OR 202 483-7616). IT WEIGHS 13.0 LBS./GAL. IT IS USED TO PURIFY WATER, BLEACH WOOD PULP, AND TO MAKE OTHER CHEMICALS.

IF MATERIAL ON FIRE OR INVOLVED IN FIRE

SOLID STREAMS OF WATER MAY BE INEFFECTIVE

EXTINGUISH FIRE USING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE

(MATERIAL ITSELF DOES NOT BURN OR BURNS WITH DIFFICULTY.)

COOL ALL AFFECTED CONTAINERS WITH FLOODING QUANTITIES OF WATER

APPLY WATER FROM AS FAR A DISTANCE AS POSSIBLE

USE WATER SPRAY TO KNOCK-DOWN VAPORS

IF MATERIAL NOT ON FIRE AND NOT INVOLVED IN FIRE

KEEP MATERIAL OUT OF WATER SOURCES AND SEWERS

ATTEMPT TO STOP LEAK IF WITHOUT UNDUE PERSONNEL HAZARD

DO NOT APPLY WATER TO POINT OF LEAK IN TANK CAR OR CONTAINER

PERSONNEL PROTECTION

AVOID BREATHING VAPORS

000180

NTSB\_000611

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KEEP UPWIND

WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS

AVOID BODILY CONTACT WITH THE MATERIAL

WEAR APPROPRIATE CHEMICAL PROTECTIVE CLOTHING

DO NOT HANDLE BROKEN PACKAGES UNLESS WEARING

APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

WASH AWAY ANY MATERIAL WHICH MAY HAVE CONTACTED THE BODY

WITH COPIOUS AMOUNTS OF WATER OR SOAP AND WATER

EVACUATION

IF MATERIAL LEAKING (NOT ON FIRE) CONSIDER EVACUATION OF  
ONE-HALF (1/2) MILE RADIUS BASED ON AMOUNT OF MATERIAL SPILLED,  
LOCATION AND WEATHER CONDITIONS

ENVIRONMENTAL CONSIDERATIONS - LAND SPILL

DIG A PIT, POND, LAGOON, HOLDING AREA

TO CONTAIN LIQUID OR SOLID MATERIAL

DIKE SURFACE FLOW USING SOIL, SAND BAGS,

FOAMED POLYURETHANE, OR FOAMED CONCRETE

ABSORB BULK LIQUID WITH FLY ASH OR CEMENT POWDER

NEUTRALIZE WITH DILUTE CAUSTIC SODA (NAOH) OR SODA ASH (NA<sub>2</sub>CO<sub>3</sub>)

000181

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ENVIRONMENTAL CONSIDERATIONS - WATER SPILL

ADD DILUTE CAUSTIC SODA (NAOH)

IF DISSOLVED, IN REGION OF 10PPM OR GREATER CONCENTRATION,

APPLY ACTIVATED CARBON AT TEN TIMES THE SPILLED AMOUNT

USE MECHANICAL DREDGES OR LIFTS

TO REMOVE IMMOBILIZED MASSES OF POLLUTANTS AND PRECIPITATES

ENVIRONMENTAL CONSIDERATIONS - AIR SPILL

APPLY WATER SPRAY OR MIST TO KNOCK DOWN VAPORS

VAPOR KNOCKDOWN WATER IS CORROSIVE OR TOXIC AND SHOULD

BE DIKED FOR CONTAINMENT

FIRST AID RESPONSES

MOVE VICTIM TO FRESH AIR; CALL EMERGENCY MEDICAL CARE.

IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.

IF BREATHING, IS DIFFICULT, GIVE OXYGEN.

REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE SITE.

IN CASE OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH SKIN OR EYES WITH

RUNNING WATER FOR AT LEAST 15 MINUTES.

KEEP VICTIM QUIET AND MAINTAIN NORMAL BODY TEMPERATURE.

000182

NTSB\_000613

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EFFECTS MAY BE DELAYED, KEEP VICTIM UNDER OBSERVATION.

COMPATIBLE PROTECTIVE EQUIPMENT CONSTRUCTION MATERIALS INCLUDE:

NEOPRENE

CHLORINATED POLYETHYLENE

POLYVINYL CHLORIDE

VITON

008 FROM ENGINE GATX058326

031 FROM ENGINE OLNX224010

SODIUM HYDROXIDE SOLUTION

4935240

CLASS 8 (CORROSIVE MATERIAL)

UN1824

ENVIRONMENTALLY HAZARDOUS SUBSTANCE

(RQ-1000/454)

SODIUM HYDROXIDE IS A DARK COLORED, THICK LIQUID. IT IS SOLUBLE IN WATER AND WEIGHS MORE THAN WATER. CONTACT WITH THE MATERIAL MAY CAUSE SEVERE IRRITATION TO SKIN, EYES, AND MUCOUS MEMBRANES. IT MAY BE TOXIC BY INGESTION. IT IS CORROSIVE TO METALS AND TISSUE. IT WEIGHS 13 LBS./GAL.

000183

NTSB\_000614

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IF MATERIAL ON FIRE OR INVOLVED IN FIRE

SOLID STREAMS OF WATER MAY BE INEFFECTIVE

EXTINGUISH FIRE USING AGENT SUITABLE FOR TYPE OF SURROUNDING FIRE

(MATERIAL ITSELF DOES NOT BURN OR BURNS WITH DIFFICULTY.)

USE WATER IN FLOODING QUANTITIES AS FOG

APPLY WATER FROM AS FAR A DISTANCE AS POSSIBLE

IF MATERIAL NOT ON FIRE AND NOT INVOLVED IN FIRE

KEEP MATERIAL OUT OF WATER SOURCES AND SEWERS

BUILD DIKES TO CONTAIN FLOW AS NECESSARY

#### PERSONNEL PROTECTION

AVOID BREATHING VAPORS OR DUSTS

AVOID BODILY CONTACT WITH THE MATERIAL

WEAR APPROPRIATE CHEMICAL PROTECTIVE GLOVES, BOOTS AND GOGGLES

DO NOT HANDLE BROKEN PACKAGES UNLESS WEARING

APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

WASH AWAY ANY MATERIAL WHICH MAY HAVE CONTACTED THE BODY

WITH COPIOUS AMOUNTS OF WATER OR SOAP AND WATER

IF CONTACT WITH THE MATERIAL ANTICIPATED,

WEAR APPROPRIATE CHEMICAL PROTECTIVE CLOTHING

000184



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ENVIRONMENTAL CONSIDERATIONS - LAND SPILL

DIG A PIT, POND, LAGOON, HOLDING AREA  
TO CONTAIN LIQUID OR SOLID MATERIAL  
DIKE SURFACE FLOW USING SOIL, SAND BAGS,  
FOAMED POLYURETHANE, OR FOAMED CONCRETE  
ABSORB BULK LIQUID WITH FLY ASH OR CEMENT POWDER  
NEUTRALIZE WITH VINEGAR OR OTHER DILUTE ACID

ENVIRONMENTAL CONSIDERATIONS - WATER SPILL

NEUTRALIZE WITH DILUTE ACID

ENVIRONMENTAL CONSIDERATIONS - AIR SPILL

APPLY WATER SPRAY OR MIST TO KNOCK DOWN VAPORS

FIRST AID RESPONSES

MOVE VICTIM TO FRESH AIR; CALL EMERGENCY MEDICAL CARE.  
REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE SITE.  
IN CASE OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH SKIN OR EYES WITH  
RUNNING WATER FOR AT LEAST 15 MINUTES.  
KEEP VICTIM QUIET AND MAINTAIN NORMAL BODY TEMPERATURE.

000185

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016 FROM ENGINE GATX031941  
017 FROM ENGINE GATX025262

ELEVATED TEMPERATURE LIQUID, N.O.S.  
CLASS 9 (MISCELLANEOUS HAZARDOUS MATERIAL)

4960147  
UN3257

ELEVATED TEMPERATURE LIQUID IS SHIPPED AT A TEMPERATURE ABOVE 212 DEG. F. ONCE RELEASED THE MOLTEN MATERIAL WILL COOL RAPIDLY AND SOLIDIFY. IN ITS MOLTEN STATE, DIRECT CONTACT MAY RESULT IN THERMAL BURNS TO THE AFFECTED AREA. THE TEMPERATURE OF THE MOLTEN MATERIAL IS SUFFICIENTLY HIGH THAT PLASTIC OR RUBBER MAY MELT OR LOSE ITS STRENGTH. PROTECTIVE EQUIPMENT DESIGNED FOR CHEMICAL EXPOSURE ONLY WILL NOT BE EFFECTIVE AGAINST DIRECT CONTACT WITH MOLTEN MATERIAL. BE CAREFUL IF WALKING ON THE SURFACE OF A SPILL DUE TO POCKETS OF MOLTEN MATERIAL BELOW THE CRUST.

IF MATERIAL ON FIRE OR INVOLVED IN FIRE  
USE WATER IN FLOODING QUANTITIES AS FOG  
COOL ALL AFFECTED CONTAINERS WITH FLOODING QUANTITIES OF WATER  
APPLY WATER FROM AS FAR A DISTANCE AS POSSIBLE

000186

NTSB\_000617

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IF MATERIAL NOT ON FIRE AND NOT INVOLVED IN FIRE  
KEEP MATERIAL OUT OF WATER SOURCES AND SEWERS  
BUILD DIKES TO CONTAIN FLOW AS NECESSARY

PERSONNEL PROTECTION

AVOID BREATHING VAPORS OR DUSTS  
DO NOT HANDLE BROKEN PACKAGES UNLESS WEARING  
APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT  
IF CONTACT WITH THE MATERIAL ANTICIPATED,  
WEAR APPROPRIATE CHEMICAL PROTECTIVE CLOTHING  
WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS  
WHEN FIGHTING FIRES INVOLVING THIS MATERIAL  
APPROACH FIRE WITH CAUTION

FIRST AID RESPONSES

MOVE VICTIM TO FRESH AIR; CALL EMERGENCY MEDICAL CARE.  
IN CASE OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH SKIN OR EYES WITH  
RUNNING WATER FOR AT LEAST 15 MINUTES.

000187

NTSB\_000618

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018 FROM ENGINE GATX049030

CRESOLS, LIQUID <OR> CRESOLS, SOLID  
DIVISION 6.1 (POISONOUS MATERIALS)  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE (RQ-100/45.4)

4921706  
UN2076

CRESOLS ARE COLORLESS TO YELLOW LIQUIDS WITH A TAR-LIKE ODOR. IT IS  
POISONOUS BY INGESTION AND SKIN ABSORPTION, AND IT IS CORROSIVE TO SKIN. IT  
IS COMBUSTIBLE AND HAS A FLASH POINT OF 178 DEG. F. IT IS INSOLUBLE IN  
WATER. IT WEIGHS 8.7 LBS./GALLON.

IF MATERIAL ON FIRE OR INVOLVED IN FIRE  
USE WATER IN FLOODING QUANTITIES AS FOG  
SOLID STREAMS OF WATER MAY BE INEFFECTIVE  
COOL ALL AFFECTED CONTAINERS WITH FLOODING QUANTITIES OF WATER  
APPLY WATER FROM AS FAR A DISTANCE AS POSSIBLE  
USE FOAM, DRY CHEMICAL, OR CARBON DIOXIDE  
USE WATER SPRAY TO KNOCK-DOWN VAPORS

IF MATERIAL NOT ON FIRE AND NOT INVOLVED IN FIRE  
KEEP SPARKS, FLAMES, AND OTHER SOURCES OF IGNITION AWAY

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KEEP MATERIAL OUT OF WATER SOURCES AND SEWERS  
BUILD DIKES TO CONTAIN FLOW AS NECESSARY  
NEUTRALIZE SPILLED MATERIAL WITH CRUSHED LIMESTONE, SODA ASH, OR LIME

PERSONNEL PROTECTION

AVOID BREATHING VAPORS  
KEEP UPWIND  
AVOID BODILY CONTACT WITH THE MATERIAL  
WEAR APPROPRIATE CHEMICAL PROTECTIVE GLOVES, BOOTS AND GOGGLES  
DO NOT HANDLE BROKEN PACKAGES UNLESS WEARING  
APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT  
WASH AWAY ANY MATERIAL WHICH MAY HAVE CONTACTED THE BODY  
WITH COPIOUS AMOUNTS OF WATER OR SOAP AND WATER  
IF CONTACT WITH THE MATERIAL ANTICIPATED,  
WEAR APPROPRIATE CHEMICAL PROTECTIVE CLOTHING

ENVIRONMENTAL CONSIDERATIONS - LAND SPILL

DIG A PIT, POND, LAGOON, HOLDING AREA  
TO CONTAIN LIQUID OR SOLID MATERIAL  
DIKE SURFACE FLOW USING SOIL, SAND BAGS,  
FOAMED POLYURETHANE, OR FOAMED CONCRETE

000189

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ABSORB BULK LIQUID WITH FLY ASH, CEMENT POWDER,  
OR COMMERCIAL SORBENTS

ENVIRONMENTAL CONSIDERATIONS - WATER SPILL

USE NATURAL DEEP WATER POCKETS, EXCAVATED LAGOONS, OR SAND BAG  
BARRIERS TO TRAP MATERIAL AT BOTTOM

IF DISSOLVED, IN REGION OF 10PPM OR GREATER CONCENTRATION,

APPLY ACTIVATED CARBON AT TEN TIMES THE SPILLED AMOUNT

USE MECHANICAL DREDGES OR LIFTS

TO REMOVE IMMOBILIZED MASSES OF POLLUTANTS AND PRECIPITATES

ENVIRONMENTAL CONSIDERATIONS - AIR SPILL

APPLY WATER SPRAY OR MIST TO KNOCK DOWN VAPORS

VAPOR KNOCKDOWN WATER IS CORROSIVE OR TOXIC AND SHOULD

BE DIKED FOR CONTAINMENT

FIRST AID RESPONSES

MOVE VICTIM TO FRESH AIR; CALL EMERGENCY MEDICAL CARE.

IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.

IF BREATHING, IS DIFFICULT, GIVE OXYGEN.

IN CASE OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH SKIN OR EYES WITH

000190

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RUNNING WATER FOR AT LEAST 15 MINUTES.

SPEED IN REMOVING MATERIAL FROM SKIN IS OF EXTREME IMPORTANCE.  
REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE SITE.  
KEEP VICTIM QUIET AND MAINTAIN NORMAL BODY TEMPERATURE.  
EFFECTS MAY BE DELAYED, KEEP VICTIM UNDER OBSERVATION.

COMPATIBLE PROTECTIVE EQUIPMENT CONSTRUCTION MATERIALS INCLUDE:

NATURAL RUBBER

NEOPRENE

CHLORINATED POLYETHYLENE

024 FROM ENGINE UTLX201323

025 FROM ENGINE GPPX009595

026 FROM ENGINE GPPX005078

027 FROM ENGINE NATX037214

METHANOL <OR> METHANOL SOLUTION

CLASS 3 (FLAMMABLE LIQUID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE (RQ-5000/2270)

4909230

UN1230

000191

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METHANOL IS A COLORLESS, FAIRLY VOLATILE LIQUID WITH A FAINTLY SWEET PUNGENT ODOR LIKE ETHYL ALCOHOL. IT IS FULLY SOLUBLE IN WATER. IT HAS A CLOSED CUP FLASH POINT OF 54 DEG. F. THE VAPORS ARE SLIGHTLY HEAVIER THAN AIR AND MAY TRAVEL SOME DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. ANY ACCUMULATION OF VAPORS IN CONFINED SPACES, SUCH AS BUILDINGS OR SEWERS, MAY EXPLODE IF IGNITED. IT WEIGHS 6.6 LBS./GAL. IT IS USED AS A RAW MATERIAL TO MAKE CHEMICALS, TO REMOVE WATER FROM AUTOMOTIVE AND AVIATION FUELS, AS A SOLVENT FOR PAINTS AND PLASTICS, AND AS AN INGREDIENT IN A WIDE VARIETY OF PRODUCTS.

IF MATERIAL ON FIRE OR INVOLVED IN FIRE

DO NOT EXTINGUISH FIRE UNLESS FLOW CAN BE STOPPED

USE WATER IN FLOODING QUANTITIES AS FOG

SOLID STREAMS OF WATER MAY BE INEFFECTIVE

COOL ALL AFFECTED CONTAINERS WITH FLOODING QUANTITIES OF WATER

APPLY WATER FROM AS FAR A DISTANCE AS POSSIBLE

USE "ALCOHOL" FOAM, DRY CHEMICAL OR CARBON DIOXIDE

IF MATERIAL NOT ON FIRE AND NOT INVOLVED IN FIRE

KEEP SPARKS, FLAMES, AND OTHER SOURCES OF IGNITION AWAY

KEEP MATERIAL OUT OF WATER SOURCES AND SEWERS

BUILD DIKES TO CONTAIN FLOW AS NECESSARY

000192

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ATTEMPT TO STOP LEAK IF WITHOUT UNDUE PERSONNEL HAZARD  
USE WATER SPRAY TO DISPERSE VAPORS AND  
DILUTE STANDING POOLS OF LIQUID

PERSONNEL PROTECTION

AVOID BREATHING VAPORS

KEEP UPWIND

WEAR APPROPRIATE CHEMICAL PROTECTIVE GLOVES, BOOTS AND GOGGLES

DO NOT HANDLE BROKEN PACKAGES UNLESS WEARING

APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

WASH AWAY ANY MATERIAL WHICH MAY HAVE CONTACTED THE BODY  
WITH COPIOUS AMOUNTS OF WATER OR SOAP AND WATER

ENVIRONMENTAL CONSIDERATIONS - LAND SPILL

DIG A PIT, POND, LAGOON, HOLDING AREA

TO CONTAIN LIQUID OR SOLID MATERIAL

DIKE SURFACE FLOW USING SOIL, SAND BAGS,

FOAMED POLYURETHANE, OR FOAMED CONCRETE

ENVIRONMENTAL CONSIDERATIONS - WATER SPILL

ALLOW TO AERATE

000193

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USE NATURAL BARRIERS OR OIL SPILL CONTROL BOOMS TO LIMIT SPILL TRAVEL  
REMOVE TRAPPED MATERIAL WITH SUCTION HOSES

ENVIRONMENTAL CONSIDERATIONS - AIR SPILL  
APPLY WATER SPRAY OR MIST TO KNOCK DOWN VAPORS

FIRST AID RESPONSES

MOVE VICTIM TO FRESH AIR; CALL EMERGENCY MEDICAL CARE.  
IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.  
IF BREATHING, IS DIFFICULT, GIVE OXYGEN.  
REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE SITE.  
IN CASE OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH SKIN OR EYES WITH  
RUNNING WATER FOR AT LEAST 15 MINUTES.  
KEEP VICTIM QUIET AND MAINTAIN NORMAL BODY TEMPERATURE.  
EFFECTS MAY BE DELAYED, KEEP VICTIM UNDER OBSERVATION.

COMPATIBLE PROTECTIVE EQUIPMENT CONSTRUCTION MATERIALS INCLUDE:

BUTYL RUBBER  
NATURAL RUBBER  
NEOPRENE  
NEOPRENE/STYRENE-BUTADIENE RUBBER

000194

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NITRILE RUBBER  
NITRILE RUBBER/POLYVINYL CHLORIDE  
POLYETHYLENE  
CHLORINATED POLYETHYLENE  
POLYURETHANE  
STYRENE-BUTADINE RUBBER  
VITON

034 FROM ENGINE DUPX022027  
035 FROM ENGINE DUPX022009

ANILINE  
DIVISION 6.1 (POISONOUS MATERIALS)  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE (RQ-5000/2270)

4921410  
UN1547

ANILINE IS A YELLOWISH TO BROWNISH, OILY LIQUID WITH A AROMATIC, AMINE-LIKE OR MUSTY, FISHY ODOR. IT HAS A FLASH POINT OF 158 DEG. F. IT CAN REACT WITH TOLUENE DIISOCYANATE WITH THE REACTION LEADING TO POSSIBLE IGNITION. IT IS HEAVIER THAN WATER AND SLIGHTLY SOLUBLE IN WATER AND ITS VAPORS ARE HEAVIER THAN AIR. IT IS TOXIC BY SKIN ABSORPTION AND INHALATION. TOXIC OXIDES OF

000195

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NITROGEN ARE PRODUCED DURING COMBUSTION OF THIS MATERIAL. IT WEIGHS 8.5 LBS./GAL. IT IS USED TO MANUFACTURE OTHER CHEMICALS, ESPECIALLY DYES, PHOTOGRAPHIC CHEMICALS, AGRICULTURAL CHEMICALS AND OTHERS.

IF MATERIAL ON FIRE OR INVOLVED IN FIRE

DO NOT EXTINGUISH FIRE UNLESS FLOW CAN BE STOPPED

USE WATER IN FLOODING QUANTITIES AS FOG

SOLID STREAMS OF WATER MAY BE INEFFECTIVE

COOL ALL AFFECTED CONTAINERS WITH FLOODING QUANTITIES OF WATER

APPLY WATER FROM AS FAR A DISTANCE AS POSSIBLE

USE FOAM, DRY CHEMICAL, OR CARBON DIOXIDE

IF MATERIAL NOT ON FIRE AND NOT INVOLVED IN FIRE

KEEP SPARKS, FLAMES, AND OTHER SOURCES OF IGNITION AWAY

KEEP MATERIAL OUT OF WATER SOURCES AND SEWERS

BUILD DIKES TO CONTAIN FLOW AS NECESSARY

ATTEMPT TO STOP LEAK IF WITHOUT UNDUE PERSONNEL HAZARD

USE WATER SPRAY TO KNOCK-DOWN VAPORS

PERSONNEL PROTECTION

AVOID BREATHING VAPORS

000196

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KEEP UPWIND

WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS

AVOID BODILY CONTACT WITH THE MATERIAL

WEAR APPROPRIATE CHEMICAL PROTECTIVE CLOTHING

DO NOT HANDLE BROKEN PACKAGES UNLESS WEARING

APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT

WASH AWAY ANY MATERIAL WHICH MAY HAVE CONTACTED THE BODY

WITH COPIOUS AMOUNTS OF WATER OR SOAP AND WATER

#### EVACUATION

IF MATERIAL LEAKING (NOT ON FIRE) CONSIDER EVACUATION FROM

DOWNWIND AREA BASED ON AMOUNT OF MATERIAL SPILLED,

LOCATION AND WEATHER CONDITIONS

#### ENVIRONMENTAL CONSIDERATIONS - LAND SPILL

DIG A PIT, POND, LAGOON, HOLDING AREA

TO CONTAIN LIQUID OR SOLID MATERIAL

DIKE SURFACE FLOW USING SOIL, SAND BAGS,

FOAMED POLYURETHANE, OR FOAMED CONCRETE

ABSORB BULK LIQUID WITH FLY ASH OR CEMENT POWDER

APPLY "UNIVERSAL" GELLING AGENT TO IMMOBILIZE SPILL

000197

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REMOVE AND ISOLATE CONTAMINATED CLOTHING AND SHOES AT THE SITE.  
KEEP VICTIM QUIET AND MAINTAIN NORMAL BODY TEMPERATURE.  
EFFECTS MAY BE DELAYED, KEEP VICTIM UNDER OBSERVATION.

COMPATIBLE PROTECTIVE EQUIPMENT CONSTRUCTION MATERIALS INCLUDE:

BUTYL RUBBER  
NATURAL RUBBER  
NEOPRENE  
NITRILE RUBBER  
POLYETHYLENE  
CHLORINATED POLYETHYLENE  
POLYVINYL ALCOHOL  
STYRENE-BUTADINE RUBBER  
VITON

000198

NTSB\_000629

ENVIRONMENTAL CONSIDERATIONS - WATER SPILL

USE NATURAL DEEP WATER POCKETS, EXCAVATED LAGOONS, OR SAND BAG  
BARRIERS TO TRAP MATERIAL AT BOTTOM  
IF DISSOLVED, IN REGION OF 10PPM OR GREATER CONCENTRATION,  
APPLY ACTIVATED CARBON AT TEN TIMES THE SPILLED AMOUNT  
REMOVE TRAPPED MATERIAL WITH SUCTION HOSES  
USE MECHANICAL DREDGES OR LIFTS  
TO REMOVE IMMOBILIZED MASSES OF POLLUTANTS AND PRECIPITATES

ENVIRONMENTAL CONSIDERATIONS - AIR SPILL

APPLY WATER SPRAY OR MIST TO KNOCK DOWN VAPORS  
COMBUSTION PRODUCTS INCLUDE CORROSIVE OR TOXIC VAPORS

FIRST AID RESPONSES

MOVE VICTIM TO FRESH AIR; CALL EMERGENCY MEDICAL CARE.  
IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.  
IF BREATHING, IS DIFFICULT, GIVE OXYGEN.  
IN CASE OF CONTACT WITH MATERIAL, IMMEDIATELY FLUSH SKIN OR EYES WITH  
RUNNING WATER FOR AT LEAST 15 MINUTES.  
SPEED IN REMOVING MATERIAL FROM SKIN IS OF EXTREME IMPORTANCE.

000199

## TRANSMISSION VERIFICATION REPORT

TIME : 01/07/2005 09:47  
NAME : NS ENVIR PROTECT  
FAX : 540-981-4651  
TEL :  
SER.# : BRQJ2J693870

DATE, TIME  
FAX NO./NAME  
DURATION  
PAGE(S)  
RESULT  
MODE

01/07 09:25  
710036005048  
00:22:14  
20  
OK  
STANDARD



Norfolk Southern Corporation

From:

BILL OERTLY

Environmental Protection Department  
110 Franklin Road SE  
Roanoke, VA 24042-0013

Phone:

Fax:

(540) 981-4651

Date:

JAN 7, 2005

Number of pages

Including this page:

20

To:

PAUL WILLIAMS

/ JIM HENDERSON

Company:

NORFOLK SOUTHERN

/ NTSB

Facsimile#:

803-608-5048

Subject:

TRAIN CONSIST

Note:

000200

NTSB\_000631





Norfolk Southern Corporation

From:

BILL OERTLY

Environmental Protection Department  
110 Franklin Road SE  
Roanoke, VA 24042-0013

Phone:

[REDACTED]

Fax:

(540) 981-4651

Date:

JAN 7, 2005

Number of pages

Including this page:

20

To:

PAUL WILLIAMS

JIM HENDERSON

Company:

NORFOLK SOUTHERN

NTSB

Facsimile#:

803-608-5048

Subject:

TRAIN CONSIST

Note:

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If there is any problem with the transmission process of this facsimile, please contact the above mentioned individual at the phone number listed.

000201

NTSB\_000632



Norfolk Southern Corporation

From:

BILL OERTLY

Environmental Protection Department  
110 Franklin Road SE  
Roanoke, VA 24042-0013

Phone:

[REDACTED]

Fax:

(540) 981-4651

Date:

JANUARY 7, 2005

Number of pages

Including this page:

11

To:

PAUL WILLIAMS

Company:

NORFOLK SOUTHERN

Facsimile#:

803-608-5048

Subject:

CERTIFICATES

Note:

ATTACHED ARE CERTIFICATE OF CONSTRUCTION  
FOR SBLX 14146, UTLX 900270, & GATX 17105  
ALSO DRAWINGS FOR SBLX 14146 & UTLX 900270

If there is any problem with the transmission process of this facsimile, please contact the above mentioned individual at the phone number listed.

000202

NTSB\_000633

**ATTACHMENT 12**

Bill Oertly 's Notes  
(includes Conversations with Piedmont Division Dispatch,  
Aiken County 911 Center)

000203

3:13 AM CALLED BY PAUL WILLIAMS & INFORMED OF ACCIDENT  
3:45 AM AT OFFICE  
4:15 AM SPOKE TO DERRICK COX ASST CHIEF DISPATCHER  
( ) PIEDMONT DIVISION TO CONFIRM  
AVAILABLE INFORMATION - could not get list of cars on siding from info  
6:45 AM CALLED AIKEN SC 911 center ( ) gave them  
information as to who was coming for us + ~~was~~ was  
told their information was that the Sodium Hydroxide  
& Cresols were leaking. Asked if they could use  
copy of train consist, was told yes.  
5:00 AM FAXED train consist to Aiken SC, 911 center, attn  
Cathy Randall ( )  
5:15 AM Called Aiken SC 911 center to confirm they had received  
consist & copies of EAG pages for Chlorine, Sodium  
Hydroxide & Cresols. Was told that there was no  
evacuation and they were advising ~~personnel~~ local  
residents to shelter in place. ~~They were~~ They were  
arranging for emergency personnel to travel into  
area to escort people out. Was further advised  
that Aiken emergency room was no longer accepting  
patients, 15 people had been transported to the Augusta  
Ga. Trauma Center and there was possibly a fatality.  
Also secured phone numbers for command center Sheriff  
( ) (cell) and David Ruth - County Emergency  
Management Coordinator ( ) ~~was also told~~  
Center reported that a green cloud had been observed  
& there was a strong "clopo" smell, ~~as~~ smell was  
reported from locations 5 miles from accident.  
0528 FAX Consist to Doug Anderson, HERRIN ( )

(2)

9:40 A DRIVE TO AIRPORT

11:20 A FLIGHT w/ PSW, CTW, KM departed

2:10 P PIC to Pat Student ( ) re chlorine releases

3:05 P PIC from Joe Bennett confirmed 2 locomotives & 15 cars derailed  
Not involving waterways at present

3:12 Mike Stines - Chip Day & crew is in wreck & examining cars  
needs MSDS for ACFX 51213, NAFX 551307 551595 ~~Residue~~ Residue  
of Sodium Sulfate.

3:25 Called 3E requested MSDS, Marie Request ID 793081

3:40 Received MSDS from 3E, Fax to Mike Stines at ( )

4:00 Call Mike, he asked for waybills

4:05 FAX waybill attempted, no answer

4:50 Jordan from Public Relations to identify "Sodium Hydroxylamine"  
cannot find in Emerg Handling or Chemical Dictionary

5:30 Call Phil Daum UTLX re UTLX 900270

5:35 Call John Sweeney GATX re GATX 17105 & 58326

5:45 call Ken Campbell ~~Trinity~~ re SBLX 14146

7:35 call Marie Essick Occidental to see if can get name of supplier  
for chlorine monitoring equipment

7:50 Marie said they get from Valen Safety 1-800-4 VALLEN

7:55 PIC Valen, need to talk to Chris Mayone, got voice mail, left msg

8:15 PIC to Tom Davis warn him may need to head south

8:20 PIC John Sweeney GATX ( ) left msg request cert of const 17105

8:40 Msg from Sweeney will E Mail Cert

8:55 call Sweeney for E Mail

8:56 PIC to Joe Osborn (6773) re DuPont being at Graniteville SC

9:35 FAX CONSIST TO PAUL WILLIAM ( )

11:25 FAX CERT. OF CONST. TO PAUL

11:30 ~~Leaking~~ LEAKING TANK CAR CORRECTED TO UTLX 900270

000205

NTSB\_000636