



U.S. Department of Transportation  
Research and Special Programs Administration

## Hazardous Materials Incident Report

Form Approval OMB No. 3137-0039

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 2137-0039. The filling out of this information is mandatory and will take 96 minutes to complete.

### INSTRUCTIONS

Submit this report to the Information Systems Manager, U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Hazardous Materials Safety, DHM-63, Washington, D.C. 20590-0001. If space provided for any item is inadequate, use a separate sheet of paper, identifying the entry number being completed. Copies of this form and instructions can be obtained from the Office of Hazardous Materials Website at <http://hazmat.dot.gov>. If you have any questions, you can contact the Hazardous Materials Information Center at 1-800-HMR-4922 (1-800-467-4922) or online at <http://hazmat.dot.gov>.

### PART I - REPORT TYPE

1. Incident Id: X-2008050016  
2. This is to report: A

### PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:  
04/15/2008

4. Time of Incident (use 24-hour time):  
11:44

5. Enter National Response Center Report Number  
(if applicable):  
868006

6. If you submitted a report to another Federal DOT agency, enter  
the agency and report number:

7. Location of Incident:

City: COVINGTON  
County: COVINGTON CITY  
State: VA  
Zip Code: (if known): 24426  
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:

8. Mode of Transportation: Rail

9. Transportation Phase: In Transit

10. Carrier/Reporter:

Name: CSX Transportation  
Street: 500 Water Street J-875  
City: JACKSONVILLE  
State: FL  
Zip Code: 32202  
Federal DOT Id Number: Unavailable  
Hazmat Registration Number: 061605550027NP

11. Shipper/Officer:

Name: PCS Sales  
Street: 1530 NC Hwy. 306 South  
City: AURORA  
State: NC  
Zip Code: 27806  
Waybill/Shipping Paper: 712-011171-88279  
Hazmat Registration Number:

12. Origin (if different from shipper address)

Street: 1530 NC Hwy. 306 South  
City: AURORA  
State: NC  
Zip Code: 27806

13. Destination:

Street: 104 E. Riverside Street  
City: COVINGTON  
State: VA  
Zip Code: 24426

14. Proper Shipping Name of Hazardous  
Material: PHOSPHORIC ACID SOLUTION

15. Technical/Trade Name:

16. Hazardous Class/Division: Corrosive Material

17. Identification Number: (E.g. UN2764, NA 2020) UN1805

**18. Packing Group:** (if applicable) III

**19. Quantity Released:** (Include Measurement Units) 1136 Liquid - Gallon

**20. Was the material shipped as a hazardous waste?** False  
If yes, provide the EPA Manifest Number:

**21. Is this a Toxic by Inhalation (TIH) material?** False  
If yes, provide the Hazard Zone:

**22. Was the material shipped under an Exemption, Approval, or Competent Authority Certificate?** False  
If yes, provide the Exemption, Approval, or CA number:

**23. Was this an undeclared hazardous materials shipment?** False

### PART III - PACKAGING INFORMATION

**24. Check Packaging Type (check only one - if more than one, list type of packaging, copy Part III, and complete for each type:**

Tank Car

**25. See instructions and enter the appropriate failure codes found at the end of the instructions. Be sure to enter the codes from the list that corresponds to the particular packaging type checked above. Enter the number of codes as appropriate to describe the incident.**

Enter the most important failure point in line 1. If there are more than two failure points, provide in this format in part VI.

What Failed: - 160-Washout

How Failed: - 308-Leaked

Causes of Failure: - Deterioration or Aging

**26a. Provide the packaging identification markings, if available.**

Identification Markings: 211AW

(Examples: 1A1/Y1.4/150/92/USA/RB/93/RL, UN31H1/Y0493/USA/M9339/10800/1200, DOT - 105A - 100W (RAIL), DOT 406 (HIGHWAY), DOT 51, DOT 3-A)

**26b. For Non-bulk, IBC, or non-specification packaging, if identification markings are incomplete or unavailable, see instructions and complete the following:**

**Single Package or Outer Packaging:**

**Single Package or Inner Packaging (if any):**

Packaging Type:  
Material of Construction:  
Head Type (Drums only):

Packaging Type:  
Material of Construction:

**27. Describe the package capacity and the quantity:**

**Single Package or Outer Packaging:**

**Single Package or Inner Packaging (if any):**

Package Capacity: 16999 Liquid - Gallon  
Amount in Package: 16240 Liquid - Gallon  
Number in Shipment: 1  
Number Failed: 1

Package Capacity:  
Amount in Package:  
Number in Shipment:  
Number Failed:

**28. Provide packaging construction and test information, as appropriate:**

|                            |                                                                   |                   |
|----------------------------|-------------------------------------------------------------------|-------------------|
| Manufacturer:              | TRN022                                                            | Manufacture Date: |
| Serial Number:             | WACX151213                                                        | Last Test Date:   |
| Material of Construction:  | ASTM A516, Gr. 70 (if Tank Car, CTMV, Portable Tank, or Cylinder) |                   |
| Design Pressure:           | (if Tank Car, CTMV, Portable Tank)                                |                   |
| Shell Thickness:           | 0.437 inch (if Tank Car, CTMV, Portable Tank)                     |                   |
| Head Thickness:            | 0.437 inch (if Tank Car, CTMV)                                    |                   |
| Service Pressure:          | (if Cylinder)                                                     |                   |
| If valve or device failed: |                                                                   |                   |
| Type:                      |                                                                   |                   |
| Model:                     |                                                                   |                   |
| Manufacturer:              |                                                                   |                   |

**29. If the packaging is for Radioactive Materials, complete the following:**

|                          |                  |
|--------------------------|------------------|
| Packaging Category:      |                  |
| Packaging Certification: |                  |
| Certification Number:    |                  |
| Nuclide(s) Present:      | Transport Index: |
| Activity:                |                  |
| Critical Safety Index:   |                  |

## PART IV – CONSEQUENCES

### 30. Result of Incident (check all that apply):

- |                           |       |                                          |  |
|---------------------------|-------|------------------------------------------|--|
| - Spillage:               | True  | - Fire:                                  |  |
| - Explosion:              |       | - Material Entered Waterway/Storm Sewer: |  |
| - Vapor (Gas) Dispersion: |       | - Environmental Damage:                  |  |
| - No Release:             | False |                                          |  |

### 31. Emergency Response: The following entities responded to the incident: (Check all that apply)

- Fire/EMS Report #: True None  
Police Report #: True None  
In-house cleanup: True  
Other Cleanup:

### 32. Damages Was the total damage cost more than \$500?

True

If yes, enter the following information: (If no, go to question 33.)

Material Loss: \$ 0.00  
Carrier Damage: \$ 0.00  
Property Damage: \$ 0.00  
Response Cost: \$ 20,000.00  
Remediation/Cleanup Cost: \$ 0.00

(See damage definitions in the instructions)

### 33a. Did the hazardous material cause or contribute to a human fatality?

False

If yes, enter the number of fatalities resulting from the hazardous material:

Employees:  
Responders:  
General Public:

### 33b. Were there human fatalities that did not result from the hazardous material?

False

If yes, how many?

### 34. Did the hazardous material cause or contribute to personal injury?

False

If yes, enter the number of injuries resulting from the hazardous material:

#### Hospitalized (Admitted Only):

Employees:  
Responders:  
General Public:

#### Non-Hospitalized:

(e.g.: On site first aid or Emergency Room observation and release)

Employees:  
Responders:  
General Public:

### 35. Did the hazardous material cause or contribute to an evacuation?

False

If yes, provide the following information:

Total number of general public evacuated:  
Total number of employees evacuated:  
Total evacuated:  
Duration of the evacuation:

### 36. Was a major transportation artery or facility closed?

False

If yes, how many?

### 37. Was the material involved in a crash or derailment?

False

If yes, provide the following information:

Estimated speed (mph):  
Weather conditions:  
Vehicle overturned?  
Vehicle left roadway/track?

## PART V - AIR INCIDENT INFORMATION (please refer to S 175.31 to report a discrepancy for air shipments)

### 38. Was the shipment on a passenger aircraft?

If yes, was it tendered as cargo, or as passenger baggage?

### 39. Where did the incident occur (if unknown, check the appropriate box for the location where the incident was discovered)?

### 40. What phase(s) had the shipment already undergone prior to the incident? (Check all that apply)

- |                                          |                                                  |
|------------------------------------------|--------------------------------------------------|
| - Shipment had not been transported      | - Transported by air (first flight)              |
| - Transport by air (subsequent flights)  | - Initial transport by highway to cargo facility |
| - Transfer at sort center/cargo facility |                                                  |

## PART VI - DESCRIPTION OF EVENTS & PACKAGE FAILURE

- Describe the sequence of events that led to the incident and the actions taken at the time it was discovered. Describe the package failure, including the size and location of holes, cracks, etc. Photographs and diagrams should be submitted if needed for clarification. Estimate the duration of the release, if possible. Describe what was done to mitigate the effects of the release. Continue on additional sheets if necessary.

### Describe:

On April 15, 2008 at 11:44, personnel in the CSXT CovingtonYard discovered WACX 151213, a loaded tank car of Phosphoric Acid, leaking from the bottom of the car. The car was located in the middle of the classification yard. Virginia EOC, PCS Sales, Meadwestvaco, Chemtrec and the NRC were notified. WEL Environmental, a CSXT response contractor, was dispatched to the scene and found the bottom wash out leaking approximately 3 to 5 gallons per minute. CSXT contacted Meadewetsvaco, who supplied an empty rail car to transload the product from the leaking tank car. Once the product was transloaded, it was determined that the gasket on the bottom washout blind flange had deteriorated, causing the leak.

Cause Code: 641

NARRI: 5(5+3+0) X (5+0) = 200

## PART VII - RECOMMENDATIONS/ACTIONS TAKEN TO PREVENT RECURRENCE

- Where you are able to do so, suggest or describe changes (such as additional training, use of better packaging, or improved operating procedures) to help prevent recurrence. Provide recommendations for improvement to hazardous materials transportation beyond the control of your individual company. Continue on additional sheets if necessary.

### Describe:

No additional comments.

## PART VIII – CONTACT INFORMATION

|                             |                                                                    |
|-----------------------------|--------------------------------------------------------------------|
| Contact's Name:             | Michael Lunsford                                                   |
| Contact's Title:            | Director - Hazardous Material Systems                              |
| Business Name and Address:  | CSX Transportation<br>500 Water Street J-875 JACKSONVILLE FL 32202 |
| E-mail Address:             | michael_lunsford@csx.com                                           |
| Telephone Number:           | (904) 359-1685                                                     |
| Fax Number:                 | (904) 245-2993                                                     |
| Hazmat Registration Number: | 061605550027NP                                                     |
| Date:                       |                                                                    |
| Preparer is:                | Carrier                                                            |