



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-2010120048
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
11/11/2010
4. Time of Incident (use 24-hour time):
07:40
5. Enter National Response Center Report Number (if applicable):
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:
7. Location of Incident:
- City: WOODWARD
County: Woodward
State: OK
Zip Code: (if known): 73801
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: BNSF Railway Company
Street: 2600 Lou Menk Drive
City: FORT WORTH
State: TX
Zip Code: 76131-2830
Federal DOT Id Number: 281683
Hazmat Registration Number: 051909004014RT
11. Shipper/Officer:
- Name: Abengoa Bioenergy of Nebraska LLC
Street: 35955 Navaho Road
City: RAVENNA
State: NE
Zip Code: 68869
Waybill/Shipping Paper: BNSF234442
Hazmat Registration Number: N/A
12. Origin (if different from shipper address)
- Street: 35955 Navaho Road
City: RAVENNA
State: NE
Zip Code: 68869
13. Destination:
- Street: 24710 S. Wilmington Avenue
City: CARSON
State: CA
Zip Code: 90745
14. Proper Shipping Name of Hazardous Material: ALCOHOLS, N.O.S.
15. Technical/Trade Name:
16. Hazardous Class/Division: Flammable - Combustible Liquid
17. Identification Number: (E.g. UN2764, NA 2020) UN1987

- 18. Packing Group:** (if applicable) II
- 19. Quantity Released:** (Include Measurement Units) 9200 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: - 106-Bottom Outlet Valve; 106-Bottom Outlet Valve

How Failed: - 308-Leaked; 308-Leaked

Causes of Failure: - Loose Closure, Component, or Device; Valve Open

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

Identification Markings: 111AW

(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:	
Package Capacity: Amount in Package: Number in Shipment: Number Failed:	Package Capacity: Amount in Package: Number in Shipment: Number Failed:
28. Provide packaging construction and test information, as appropriate:	
Manufacturer: TRN023 Serial Number: TILX193983 Material of Construction: AAR TC-128, Gr. B (if Tank Car, CTMV, Portable Tank, or Cylinder) Design Pressure: 100 (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: 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: \$ 17,000.00
Carrier Damage: \$ 0.00
Property Damage: \$ 0.00
Response Cost: \$ 2,000.00
Remediation/Cleanup Cost: \$ 12,000.00
(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:

BNSF was notified by Woodward, OK authorities that a passing BNSF train with entrained tank cars was leaking. The identified BNSF train was stopped on main track at station Tangier for crew inspection. The train crew reported entrained TILX 193983 (DOT 111A100W1 tank car) was leaking product from its bottom outlet valve (BOV). BNSF and response contractors inspected TILX 193983 and reported that the bottom operated BOV operating handle was not pinned in the closed position and the bottom outlet cap (BOC) was not applied and was hanging from its securement chain. The responders closed the BOV operating handle and wedged a wooden shim to secure it in the closed position which ended any further product release. The BOC was applied and tool tightened. The unpinned BOV operating handle allowed it to vibrate to an open position and with no BOC in place to contain product resulted in this product release from the BOV. Two other entrained tank cars were also noted with their BOC's not applied and hanging from their securement chains with no product leaks detected; responders applied these BOC's and tool tightened them. This BNSF train was reinspected by BNSF mechanical/hazardous material responders upon its arrival at Amarillo, TX. Responders resecured the BOV bottom operating handle on TILX 193983 by pinning it with a bolt/nut application in its closed position. Remediation of spillage at the main track train stop location was initiated after the rain events in that area ceased. Responders remediated spillage by soil aeration with applications of Micro-Blaze. Also, previous sites were entrained TILX 193983 may have leaked product on the ground were inspected and no evidence of product spillage was noted.

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:

Ensure shipper's pre-trip inspection process is fully implemented and validated as it relates to the total securement and mechanical fitness of all valves and fittings.

PART VIII – CONTACT INFORMATION

Contact's Name:	Richard McMahon
Contact's Title:	Manager Hazardous Materials Risk Management
Business Name and Address:	BNSF Railway Company 4200 Deen Road FORT WORTH TX 76106
E-mail Address:	rich.mcmahon@bnsf.com
Telephone Number:	(817) 740-7355
Fax Number:	(817) 740-7250
Hazmat Registration Number:	051909004014RT
Date:	
Preparer is:	Carrier

02/12/2007