



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: I-2007020351
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
01/11/2007
4. Time of Incident (use 24-hour time):
07:00
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: SHREVEPORT
County: CADD0
State: LA
Zip Code: (if known): 71107
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
4601 SHREVEPORT BLANCHARD HWY
8. Mode of Transportation: Rail
9. Transportation Phase: In Transit
10. Carrier/Reporter:
- Name: KANSAS CITY SOUTHERN RWY CO
Street: 427 W 12TH STREET (PO BOX 219335,64121-9
City: KANSAS CITY
State: MO
Zip Code: 64105-1804
Federal DOT Id Number: KCS
Hazmat Registration Number: 0628065520670
11. Shipper/Officer:
- Name: BOC GASES
Street: 159 ANDREW CHAPEL ROAD
City: BRANDON
State: MS
Zip Code: 39042
Waybill/Shipping Paper: 97066
Hazmat Registration Number:
12. Origin (if different from shipper address)
- Street:
City:
State:
Zip Code:
13. Destination:
- Street: 2728 N WESTMORELAND RD
City: DALLAS
State: TX
Zip Code: 75212
14. Proper Shipping Name of Hazardous Material: CARBON DIOXIDE, REFRIGERATED LIQUID
15. Technical/Trade Name:
16. Hazardous Class/Division: Nonflammable Compressed Gas
17. Identification Number: (E.g. UN2764, NA 2020) UN2187

18. Packing Group: (if applicable)

19. Quantity Released: (Include Measurement Units) 50000 Liquid - Pound

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: - 119-Frangible Disc

How Failed: - 308-Leaked

Causes of Failure: - Defective Component or Device

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

Identification Markings: 105J500W

(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: 166300 Liquid - Pound
Amount in Package: 20096 Liquid - Pound
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: FULL
Serial Number: ARIX43114
Material of Construction: AAR TC-128, GR.B (if Tank Car, CTMV, Portable Tank, or Cylinder)
Design Pressure: (if Tank Car, CTMV, Portable Tank)
Shell Thickness: 0.787 INCH (if Tank Car, CTMV, Portable Tank)
Head Thickness: 0.787 INCH (if Tank Car, CTMV)
Service Pressure: (if Cylinder)
If valve or device failed:
Type:
Model:
Manufacturer:

Manufacture Date:
Last Test Date:

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

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

Transport Index:

PART IV – CONSEQUENCES

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

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

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

- Fire/EMS Report #: False
Police Report #: False
In-house cleanup: False
Other Cleanup: False

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

False

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: \$ 0.00
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: 0
Responders: 0
General Public: 0

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

False

If yes, how many? 0

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: 0
Responders: 0
General Public: 0

Non-Hospitalized:

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

Employees: 0
Responders: 0
General Public: 0

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 January 11, 2007, at approximately 0700 hours, a railway tankcar ARIX 43114, loaded with Carbon Dioxide, Refrigerated Liquid, nonflammable gas, UN2187, was reported venting at the Kansas City Southern Railway (KCSR) Shreveport Louisiana yard. The tank car was discovered leaking from a ruptured frangible disk. The shipper representative responded to the site and replaced the disk. There were no injuries, no damage to the environment.

CODE: 441

NARRI: 5(5+1 +0)x(5+0)=150

Ruptured Frangible Disk

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:

On The Kansas City Southern Railway (KCSR), shippers are immediately notified of all HAZMAT releases. For non-accident releases (a.k.a. package or closure defects), where possible, shippers (responsible party) are requested to respond, repair and remediate. By immediately involving the shipper, in-depth knowledge of the release cause is gained by the same organization that can implement process changes to prevent recurrence. After each NAR incident, KCSR provides outreach to the shipper to help investigate root-cause factors for correction. For non-accident related releases, the shipper should be contacted directly for details associated with actions taken to prevent recurrence.

PART VIII – CONTACT INFORMATION

Contact's Name:	KAREN DAVIDSON
Contact's Title:	ENVIRONMENTAL SYSTEMS MANAGER
Business Name and Address:	KANSAS CITY SOUTHERN RAILROAD 427 W 12TH STREET KANSAS CITY MO 64105-1804
E-mail Address:	KAREN.L.DAVIDSON@KCSR.COM
Telephone Number:	816-983-1603
Fax Number:	816-983-1622
Hazmat Registration Number:	
Date:	01/31/2007
Preparer is:	Carrier