



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: E-2005040177
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
03/25/2005
4. Time of Incident (use 24-hour time):
08:10
5. Enter National Response Center Report Number
(if applicable):
753728
6. If you submitted a report to another Federal DOT agency, enter
the agency and report number:
7. Location of Incident:
- City: FREDONIA
County: WILSON
State: KS
Zip Code: (if known): 66736
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
West Washington
8. Mode of Transportation: Highway
9. Transportation Phase: Unloading
10. Carrier/Reporter:
- Name: CHS Inc.
Street: PO Box 64089
City: SAINT PAUL
State: MN
Zip Code: 55164
Federal DOT Id Number: 124419
Hazmat Registration Number: 060603701008LN
11. Shipper/Officer:
- Name: Terra Industries
Street: PO Box 35507
City: TULSA
State: OK
Zip Code: 74153
Waybill/Shipping Paper: 80805517
Hazmat Registration Number:
12. Origin (if different from shipper address)
- Street: 6606 E 540 RD.
City: CLAREMORE
State: OK
Zip Code: 74017
13. Destination:
- Street: West Washington
City: FREDONIA
State: KS
Zip Code: 66736
14. Proper Shipping Name of Hazardous
Material: AMMONIA ANHYDROUS
15. Technical/Trade Name: Anhydrous Ammonia
16. Hazardous Class/Division: Poisonous Gas
17. Identification Number: (E.g. UN2764, NA 2020) UN1005

- 18. Packing Group:** (if applicable)
- 19. Quantity Released:** (Include Measurement Units) 32000 Gas - Quart
- 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:
Cargo Tank Motor Vehicle (CTMV)

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: - 125-Hose
How Failed: - 303-Burst or Ruptured
Causes of Failure: - Defective Component or Device

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

Identification Markings: DOT MC 331

(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:

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

Single Package or Inner Packaging (if any):

Packaging Type:
Material of Construction:

27. Describe the package capacity and the quantity:

Single Package or Outer Packaging:

Package Capacity: 88298 Gas - Pound
Amount in Package: 40420 Gas - Pound
Number in Shipment: 1
Number Failed: 1

Single Package or Inner Packaging (if any):

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

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

Manufacturer:	Lubbock	Manufacture Date:	02/01/1974
Serial Number:	58536	Last Test Date:	03/08/2005
Material of Construction:	Steel (if Tank Car, CTMV, Portable Tank, or Cylinder)		
Design Pressure:	265 PSI (if Tank Car, CTMV, Portable Tank)		
Shell Thickness:	0.399 INCH (if Tank Car, CTMV, Portable Tank)		
Head Thickness:	0.25 INCH (if Tank Car, CTMV)		
Service Pressure:	(if Cylinder)		
If valve or device failed:			
Type:	Rubber		
Model:			
Manufacturer:	Goodall		

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: | False | - Fire: | False |
| - Explosion: | False | - Material Entered Waterway/Storm Sewer: | False |
| - Vapor (Gas) Dispersion: | True | - 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?

True

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

Material Loss: \$ 5,600.00
Carrier Damage: \$ 0.00
Property Damage: \$ 0.00
Response Cost: \$ 2,000.00
Remediation/Cleanup Cost: \$ 15,000.00
(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: 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?

True

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: 9

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

True

If yes, provide the following information:

Total number of general public evacuated: 4
Total number of employees evacuated: 0
Total evacuated: 4
Duration of the evacuation: 2

36. Was a major transportation artery or facility closed?

False

If yes, how many? 0

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

False

If yes, provide the following information:

Estimated speed (mph): 0
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:

Tractor-Trailer unit was unloading Anhydrous Ammonia into Storage facility when a defective hose burst, dispersing Anhydrous Ammonia into the atmosphere.

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:

CHS has taken action to remove all rubber crossover hoses and retrofitting with steel pipe.

PART VIII – CONTACT INFORMATION

Contact's Name:	Bryan Lewis
Contact's Title:	Driver Compliance Administrator
Business Name and Address:	CHS Inc. PO Box 64089 SAINT PAUL MN 55164
E-mail Address:	bryan.lewis@chsinc.com
Telephone Number:	651-355-5177
Fax Number:	651-355-5062
Hazmat Registration Number:	060603701008LN
Date:	04/19/2005
Preparer is:	Carrier

02/01/1974