



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-2006050057
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
04/26/2006
4. Time of Incident (use 24-hour time):
09:10
5. Enter National Response Center Report Number (if applicable):
795213
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:
7. Location of Incident:
City: CRAIG
County: PLYMOUTH
State: IA
Zip Code: (if known): 51017
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
Hwy C-12 1/2 mile west of K-18
8. Mode of Transportation: Highway
9. Transportation Phase: In Transit
10. Carrier/Reporter:
Name: Farmers Cooperative Society
Street: 317 Third St. NW.
City: SIOUX CENTER
State: IA
Zip Code: 51250
Federal DOT Id Number:
Hazmat Registration Number:
11. Shipper/Officer:
Name: Farmers Cooperative Society
Street: 317 Third St. NW.
City: SIOUX CENTER
State: IA
Zip Code: 51250
Waybill/Shipping Paper:
Hazmat Registration Number:
12. Origin (if different from shipper address)
Street: 1004 Hwy. K-30
City: IRETON
State: IA
Zip Code: 51027
13. Destination:
Street:
City:
State:
Zip Code:
14. Proper Shipping Name of Hazardous Material: AMMONIA ANHYDROUS
15. Technical/Trade Name: Anhydrous Ammonia
16. Hazardous Class/Division: Nonflammable Compressed Gas
17. Identification Number: (E.g. UN2764, NA 2020) UN1005

18. Packing Group: (if applicable)

19. Quantity Released: (Include Measurement Units) 2000 Gas - 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?

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: - 115-Discharge Valve or Coupling

How Failed: - 308-Leaked

Causes of Failure: - Vehicular Crash or Accident Damage

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

Identification Markings: NO MARKINGS GIVEN

(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:
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:

Serial Number:

Material of Construction: (if Tank Car, CTMV, Portable Tank, or Cylinder)

Design Pressure: (if Tank Car, CTMV, Portable Tank)

Shell Thickness: (if Tank Car, CTMV, Portable Tank)

Head Thickness: (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: | True | - Environmental Damage: | True |
| - No Release: | False | | |

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

- Fire/EMS Report #: False
Police Report #: True 506000881
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: \$ 500.00
Carrier Damage: \$ 150.00
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?

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: 1
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: 0
Total number of employees evacuated: 0
Total evacuated: 0
Duration of the evacuation: 0

36. Was a major transportation artery or facility closed?

True

If yes, how many? 1

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:

An employee of Farmers Cooperative Society was towing two anhydrous ammonia nurse tanks behind a company pickup truck. The wheel bolts came loose on the right hand rear wheel of the front nurse tank. When the wheel fell off, the running gear landed on the axle hub. This vibration caused the liquid withdrawal valve, located on top of the front nurse tank to open. There was no mechanical defect or failure of the valve. The valve appears to have opened due to the vibration caused from driving on the wheel hub. The driver immediately pulled to the side of the road and exited the vehicle. Company officials were contacted and the Plymouth County Sheriff's Office and the Akron, Iowa Volunteer Fire Department responded. Highway C-12 was closed in both directions for approximately one hour. The Volunteer Fire Department donned protective clothing, then approached the nurse tank and closed the valve, ending the release. The driver of the pickup truck inhaled a small amount of ammonia vapor when he exited the vehicle. He did not complain of any symptoms, but was checked out at the local hospital as a precautionary measure. A small amount of vegetative burn was noted on the grass ditch along both sides of the highway. No anhydrous ammonia reached the waters of the State. No evacuations were required. No clean-up or mitigation of the scene was required.

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:

Farmers Cooperative Society conducts an annual inspection of all ammonia nurse tanks. Daily inspections of each nurse tank are also conducted, prior to transportation. Driver's who deliver the nurse tanks have been trained to inspect the nurse tanks and running gears for any defects or deficiencies. Company officials will review that training with each driver and ensure that each driver conducts a complete inspection, prior to transporting the nurse tank.

PART VIII - CONTACT INFORMATION

Contact's Name:	Ken Ehrp
Contact's Title:	General Manager
Business Name and Address:	Farmers Cooperative Society 317 Third St. NW. SIOUX CENTER IA 51250
E-mail Address:	kehrrp@farmerscoopssociety.com
Telephone Number:	712-722-2671
Fax Number:	712-722-2674
Hazmat Registration Number:	
Date:	05/08/2006
Preparer is:	Shipper