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-1996030307
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
02/05/1996

4. Time of Incident (use 24-hour time):
20:00

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: STRATFORD
County: SHERMAN
State: TX
Zip Code: (if known):
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
NEAR INTERSECTION OF USA

8. Mode of Transportation: Rail

9. Transportation Phase: Unloading

10. Carrier/Reporter:
Name: ATCHISON TOPEKA & SANTA FE RY
Street: 1700 EAST GOLF RD
City: SCHAUMBURG
State: IL
Zip Code: 60173
Federal DOT Id Number: ATSF
Hazmat Registration Number:

11. Shipper/Offeror:
Name: C F INDUSTRIES INC
Street: SALEM LAKE DRIVE
City: LONG GROVE
State: IL
Zip Code: 60047
Waybill/Shipping Paper: MP W/B 506622
Hazmat Registration Number:

12. Origin (if different from shipper address)
Street:
City: DONALDSONVILLE
State: LA
Zip Code:

13. Destination:
Street: 4 NORTH MAIN STREET
City: STRATFORD
State: TX
Zip Code: 79084

14. Proper Shipping Name of Hazardous Material: AMMONIA ANHYDROUS

15. Technical/Trade Name:

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) 10000 Liquid - Gallon

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

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

22. Was the material shipped under an Exemption, Approval, or Competent Authority Certificate?
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:
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: -
How Failed: - 303-Burst or Ruptured
Causes of Failure: -

26a. Provide the packaging identification markings, if available.
Identification Markings:
(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:	Packaging Type:
Material of Construction:	Material of Construction:
Head Type (Drums only):	

27. Describe the package capacity and the quantity:

Single Package or Outer Packaging:		**Single Package or Inner Packaging (if any):**
Package Capacity:	33617 Liquid - Gallon	Package Capacity:
Amount in Package:		Amount in Package:
Number in Shipment:	1	Number in Shipment:
Number Failed:	1	Number Failed:

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

Manufacturer:	NOT REPORTED BY CARRIER	Manufacture Date:
Serial Number:	GATX97043	Last Test Date:
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:

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

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

Fire/EMS Report #:
Police Report #:
In-house cleanup:
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:	$ 2,000.00
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:	
Responders:	0
General Public:	0

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? True

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

Hospitalized (Admitted Only):

Employees:	
Responders:	2
General Public:	0

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

Employees:	
Responders:	9
General Public:	15

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

If yes, provide the following information:

Total number of general public evacuated:	
Total number of employees evacuated:	
Total evacuated:	1200
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:

THE RAILWAY DISPATCHING CENTER WAS NOTIFIED BY THE SHERMAN COUNTY EMERGENCY MANAGEMENT CENTER OF A LARGE AMMONIA RELEASE IN STRAFORD. RAIL TRAFFIC WAS HELD AND ROUTINE NOTIFICATION PROCEDURES WERE IMPLEMENTED TO STATE AND FEDERAL AGENCIES. A TEAM OF RAILWAY HAZ MAT RESPONDERS WAS DISPATCHED TO THE SCENE TO PROVIDE ASSISTANCE. IN ADDITION, CHEMTREC WAS ASKED TO ACTIVATE THEIR MUTUAL AID SYSTEM TO MOBILIZE A TEAM OF HAZMAT RESPONDERS FROM PHILLIPS 66 AT BORGER. THE RELEASE RESULTED FROM SEVERED PIPING ON STATIONARY STORAGE TANK AND THE PUMPING APPARATUS. A NEW 7000 GALLONS PORTABLE STORAGE TANK HAD BEEN PLACED AT THE UNLOADING FACILITY. IT WAS SUPPORTED BY TWO CONCRETE CRADLES, EACH PLACED AT THE END OF A SKID-LIKE FRAME. THIS WAS THE FIRST TRANSFER FROM A RAIL CAR INTO THE NEW TANK. APPARENTLY THE WEIGHT OF THE PRODUCT FILLING THE TANK CAUSED THE SKID FRAME TO BUCKLE ACCOUNT SPACING OF THE CRADLES. WHEN THE FRAME BICKLED, IT DEFORMED THE RIGID PIPING BETWEEN THE TWO TANKS, PUMPED AND RAIL CAR. THEIS RESULTED IN SEVERED PIPES AND PERMITTED RELEASE OF THE PRODUCT ALREADY IN THE NEW TANK. FLOW OF PRODUCT FROM THE TANK CAR CEASED DUE TO THE EXCESS FLOW CHECK VALVES INCLUDED IN THE CAR'S DESIGN; HOWEVER, VALVES HAD TO BE CLOSED ON THE TANKS AND PUMPS TO STOP THE RELEASE OF PRODUCT. THE FIRE DEPARTENT SPRAYED THE RELEASED PRODUCT WITH WATER TO CONTROL THE VAPORS. A RESULTING POOL OF CORROSIVE LIQUID COVERED AN AREA OF ABOUT 10,000 SQUARE FEET BETWEEN THE RAIL CAR AND RAILWAY'S MAIN TRACK. A PUMP TRUCK WAS UTILIZED TO RECOVER LIQUID FROM THE POLING AREA. ESTIMATES FOR THE EVACUATION AND INJURY COUNTS WERE OBTAINED FROM THE EMERGENCY MANAGEMENT OFFICE AND RAILWAY PERSONNEL AT THE SCENE. COST ESTIMATES FOR DAMAGE AND REMEDIATION AREA NOT AVAILABLE.

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:

PART VIII – CONTACT INFORMATION

Contact's Name:	E R CHAPMAN
Contact's Title:	DIR SERVICES INTERRUPTION
Business Name and Address:	
E-mail Address:	
Telephone Number:	7089956350
Fax Number:	
Hazmat Registration Number:	
Date:	03/05/1996
Preparer is:	