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-2010080547
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
05/18/2010

4. Time of Incident (use 24-hour time):
12:30

5. Enter National Response Center Report Number (if applicable):
940692

6. If you submitted a report to another Federal DOT agency, enter the agency and report number:

7. Location of Incident:
City: BRIGHTON
County: SUFFOLK
State: MA
Zip Code: (if known): 02135
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
2635 Beacon Street

8. Mode of Transportation: Highway

9. Transportation Phase: In Transit

10. Carrier/Reporter:
Name: Airgas East, Inc
Street: 1 Plank Street
City: BILLERICA
State: MA
Zip Code: 01821
Federal DOT Id Number: 107106
Hazmat Registration Number: 052609016008RT

11. Shipper/Offeror:
Name: Airgas East, Inc
Street: 1 Plank Street
City: BILLERICA
State: MA
Zip Code: 01821
Waybill/Shipping Paper:
Hazmat Registration Number:

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

13. Destination:
Street:
City:
State:
Zip Code:

14. Proper Shipping Name of Hazardous Material: CHLORINE

15. Technical/Trade Name:

16. Hazardous Class/Division: Poisonous Gas

17. Identification Number: (E.g. UN2764, NA 2020) UN1017

18. Packing Group: (if applicable)

19. Quantity Released: (Include Measurement Units) 2 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? True
If yes, provide the Hazard Zone: B

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:
Cylinder

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: - 114-Cylinder Valve
How Failed: - 308-Leaked
Causes of Failure: - Human Error

26a. Provide the packaging identification markings, if available.
Identification Markings: DOT 3AA480
(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:	150 Gas - Pound	Package Capacity:	
Amount in Package:	2.9 Gas - Pound	Amount in Package:	
Number in Shipment:	8	Number in Shipment:	
Number Failed:	1	Number Failed:	

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

Manufacturer:
Manufacture Date: 11/12/1987
Serial Number: 481436Y
Last Test Date: 02/12/2006
Material of Construction: Cylinder (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: 480 PSI (if Cylinder)
If valve or device failed:
- Type: Brass
- Model: 660
- Manufacturer: Sherwood

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 #: True 25407
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: $ 0.00
Carrier Damage: $ 0.00
Property Damage: $ 0.00
Response Cost: $ 6,659.00
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? True

If yes, provide the following information:

Total number of general public evacuated: 100
Total number of employees evacuated: 0
Total evacuated: 100
Duration of the evacuation: 4

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:

Release Description and Location:

On May 18, 2010 at approximately 12:30 pm, an Airgas box style truck was in route between the Dedham Wastewater Treatment Plant(WWTP) in Dedham, MA and Boston College in Brighton, MA to deliver chlorine gas cylinders and pick up empty cylinders. After the driver stopped to deliver the cylinders to Boston College, the driver noticed an odor, presumably chlorine, emanating from the back of the vehicle in the vicinity of 2635 Beacon Street in Brighton, MA. The incident response and sealing of the leak occurred at this location.

The area where the incident response occurred consists of a two lane roadway with curb side parking and is surrounded by residences and classroom buildings of Boston College.

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:

Steps taken to Prevent Recurrence of Future Leaks:

Airgas has taken the following steps to address root and contributing causes of the incident so as to prevent a future recurrence of this type of event:

1) Discussed with Alexander Chemical the need to change their shipping protocol with respect to lead gaskets.

2) Will conduct training sessions with Dedham (WWTP) personnel on properly preparing "empty" cylinders for shipment back to supplier.

3) Raised awareness of the event within Airgas by conducting a safety meeting with associates where the root and contributing causes of the release were discussed as well as preventive measures we are taking to prevent such an occurrence in the future.

PART VIII – CONTACT INFORMATION

Contact's Name:	Tim Reading
Contact's Title:	Safety and Compliance Director
Business Name and Address:	Airgas East, Inc 1 Plank Street BILLERICA MA 01821
E-mail Address:	tim.reading@airgas.com
Telephone Number:	978-439-1412
Fax Number:	
Hazmat Registration Number:	
Date:	08/26/2010
Preparer is:	Carrier

11/12/1987