

74

Same attachments
as # 66

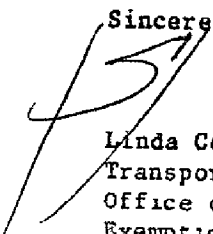
July 05, 1991

Mr. Steve Harshbarger
Controller
Gaylord Container Corporation
Gordon Street & 8th Avenue
Greenville, South Carolina 29611

Dear Mr. Harshbarger:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4523 is assigned as a manufacturer's symbol for the facility at Gordon Street & 8th Avenue, Greenville, South Carolina. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12B, 12C boxes and UN packaging tested at that facility.

Sincerely,



Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

DHM-32:LCooper:lc:07/05/91:64512

| CONCURRENCES | |
|--------------|---------|
| RTG SYMBOL | D4M 32 |
| INITIALS/SIG | D318 |
| DATE | 7/29/91 |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |

same attachments
as #66

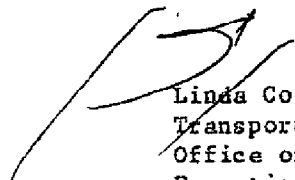
July 08, 1991

Mr. Randy Olson
Controller
Gaylord Container Corporation
4932 West Colter
Glendale, Arizona 85301

Dear Mr. Olson:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4526 is assigned as a manufacturer's symbol for the facility at 4932 West Colter, Glendale, Arizona. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12B, 12C boxes and UN packaging tested at that facility.

Sincerely,



Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

DHM-32:LCooper:lc:07/08/91:64512

| CONCURRENCES | |
|--------------|---------|
| RTG SYMBOL | Dhm 32 |
| INITIALS/SIG | DH |
| DATE | 7/26/91 |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |

76

Same attachments
as # 66

| | |
|--------------|---------|
| CONCURRENCES | |
| RTG SYMBOL | DHM32 |
| INITIALS/SIG | DSL |
| DATE | 7/24/91 |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
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| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |

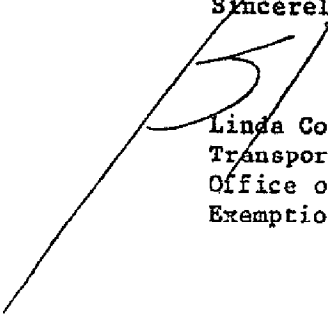
July 08, 1991

Ms. Connie Ucker
Controller
Gaylord Container Corporation
1600 Cascade Drive
Marion, Ohio 43002

Dear Ms. Ucker:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4524 is assigned as a manufacturer's symbol for the facility at 1600 Cascade Drive, Marion, Ohio. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12B, 12C boxes and UN packaging tested at that facility.

Sincerely,



Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

DHM-32:LCooper:lc:07/08/91:64512

Same attachments
as #66

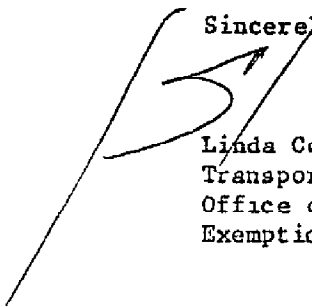
July 08, 1991

Mr. Felton Ferguson
Controller
Gaylord Container Corporation
1001 Ogletown Road
Newark, Delaware 19711

Dear Mr. Ferguson:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4525 is assigned as a manufacturer's symbol for the facility at 1001 Ogletown Road, Newark, Delaware. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12C boxes and UN packaging tested at that facility.

Sincerely,



Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

| | |
|--------------|---------|
| CONCURRENCES | |
| RTG SYMBOL | DHM-32 |
| INITIALS/SIG | LC |
| DATE | 7/29/91 |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |

DHM-32:LCooper:lc:07/08/91:64512

Same attachments
as # 66

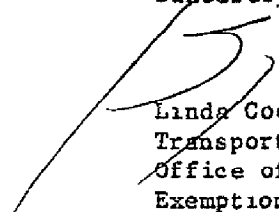
July 08, 1991

Ms. Beverly Harris
Controller
Gaylord Container Corporation
11333 General Drive
P.O. Box 465
Plymouth, Michigan 48170

Dear Ms. Harris:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4527 is assigned as a manufacturer's symbol for the facility at 11333 General Drive, Plymouth, Michigan. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12C boxes and UN packaging tested at that facility.

Sincerely,



Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

DHM-32:LCooper:lc:07/08/91:64512

| | |
|--------------|---------|
| CONCURRENCES | |
| RTG SYMBOL | Dhm |
| INITIALS/SIG | Delt |
| DATE | 7/29/91 |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
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| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |

14

same attachments
as # 66

July 08, 1991

Mr. David O'Grady
Controller
Gaylord Container Corporation
3200 Bush Street
99 Raleigh, North Carolina 27609

Dear Mr. O'Grady:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4528 is assigned as a manufacturer's symbol for the facility at 3200 Bush Street, 99 Raleigh, North Carolina. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12B, 12C boxes and UN packaging tested at that facility.

Sincerely,

Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

DHM-32:LCooper:lc:07/08/91:64512

| | | |
|--------------|---------|--|
| CONCURRENCES | | |
| RTG SYMBOL | DAM.32 | |
| INITIALS/SIG | Dent | |
| DATE | 7/28/91 | |
| RTG SYMBOL | ..... |  |
| INITIALS/SIG | ..... |  |
| DATE | ..... |  |
| RTG SYMBOL | ..... |  |
| INITIALS/SIG | ..... |  |
| DATE | ..... |  |
| RTG SYMBOL | ..... |  |
| INITIALS/SIG | ..... |  |
| DATE | ..... |  |
| RTG SYMBOL | ..... |  |
| INITIALS/SIG | ..... |  |
| DATE | ..... |  |
| RTG SYMBOL | ..... |  |
| INITIALS/SIG | ..... |  |
| DATE | ..... |  |

*Same attachments
as # 66*

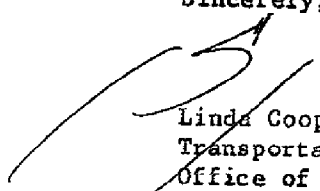
July 08, 1991

Mr. Allen Ison
Controller
Gaylord Container Corporation
1240 Mount Read Boulevard
P.O. Box 60950
Rochester, New York 14606

Dear Mr. Ison:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4529 is assigned as a manufacturer's symbol for the facility at 1240 Mount Read Boulevard, Rochester, New York. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12B, 12C boxes and UN packaging tested at that facility.

Sincerely,



Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

DHM-32:LCooper:lc:07/08/91:64512

| | |
|--------------|---------|
| CONCURRENCES | |
| RTG SYMBOL | DHM-32 |
| INITIALS/SIG | LC |
| DATE | 7/29/91 |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
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| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |

same attachments
as #66

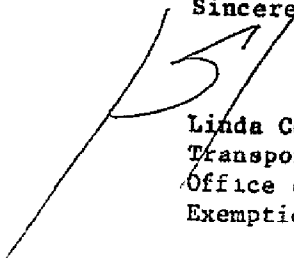
July 08, 1991

Mr. William Carroll
Controller
Gaylord Container Corporation
3323 E. Commerce
San Antonio, Texas 78220

Dear Mr. Carroll:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4531 is assigned as a manufacturer's symbol for the facility at 3323 E. Commerce, San Antonio, Texas. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12B, 12C boxes and UN packaging tested at that facility.

Sincerely,



Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

DHM-32:LCooper:lc:07/08/91:64512

| | |
|--------------|---------|
| CONCURRENCES | |
| RTG SYMBOL | DHM 32 |
| INITIALS/SIG | DJC |
| DATE | 7/29/91 |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
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| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |

Same attachments
as #66

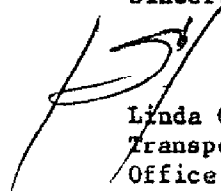
July 08, 1991

Mr. Tom Rellergert
Controller
Gaylord Container Corporation
5300 Bircher Boulevard
St. Louis, Missouri 63120

Dear Mr. Rellergert:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4530 is assigned as a manufacturer's symbol for the facility at 5300 Bircher Boulevard, St. Louis, Missouri. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12B, 12C boxes and UN packaging tested at that facility.

Sincerely,



Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

DHM-32:LCooper:lc:07/08/91:64512

| CONCURRENCES | |
|--------------|---------|
| RTG SYMBOL | DHM 32 |
| INITIALS/SIG | DLW |
| DATE | 7/24/91 |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
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| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
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| INITIALS/SIG | |
| DATE | |

Same attachments
as #66

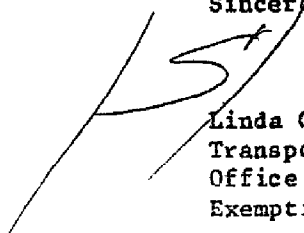
July 08, 1991

Mr. Paul Wilkins
Controller
Gaylord Container Corporation
8700 Adamo Drive
Tampa, Florida 33619

Dear Mr. Wilkins:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4532 is assigned as a manufacturer's symbol for the facility at 8700 Adamo Drive, Tampa, Florida. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12B, 12C boxes and UN packaging tested at that facility.

Sincerely,



Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

DHM-32:LCooper;lc:07/08/91:64512

| CONCURRENCES | |
|--------------|---------|
| RTG SYMBOL | DHM 32 |
| INITIALS/SIG | LSL |
| DATE | 7/29/91 |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |

84

*Line attachments
as #66*

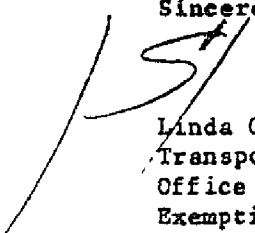
July 08, 1991

Mr. William Carroll
Controller
Gaylord Container Corporation
715 West Pike Blvd.
P.O. Box 265
Weslaco, Texas 78596

Dear Mr. Carroll:

Based on Mr. J.F. Borg's letter of June 28, 1991, the number M4533 is assigned as a manufacturer's symbol for the facility at 715 West Pike Blvd., Weslaco, Texas. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT Specification 12B, 12C boxes and UN packaging tested at that facility.

Sincerely,



Linda Cooper
Transportation Clerk
Office of Hazardous Materials
Exemptions and Approvals

DHM-32:LCooper:lc:07/08/91:64512

| | | |
|--------------|--------|--|
| CONCURRENCES | | |
| RTG SYMBOL | DM | |
| INITIALS/SIG | DEW | |
| DATE | 7/8/91 | |
| RTG SYMBOL | | |
| INITIALS/SIG | | |
| DATE | | |
| RTG SYMBOL | | |
| INITIALS/SIG | | |
| DATE | | |
| RTG SYMBOL | | |
| INITIALS/SIG | | |
| DATE | | |
| RTG SYMBOL | | |
| INITIALS/SIG | | |
| DATE | | |
| RTG SYMBOL | | |
| INITIALS/SIG | | |
| DATE | | |

same attachments
as #66

April 12, 1993

Mr. Scott Jeffrey
Gaylord Container Corporation
11333 Kingsley Road
P.O. Box 38008
Dallas, Texas 75238-0008

Dear Mr. Jeffrey:

Based on your letter of April 2, 1993, the number M4755 is assigned as a manufacturer's symbol for the facility at 11333 Kingsley Road, Dallas, Texas. This registration applies only to the facility above and is to be used as the registered symbol for self-certification of DOT and/or UN 4G packaging originated at that facility.

Sincerely,

Linda Cooper
Transportation Assistant
Office of Hazardous Materials
Exemptions and Approvals

LCooper:DHM-32:lc:x64512:4/12/93

| | |
|--------------|---------|
| CONCURRENCES | |
| RTG SYMBOL | DHM-32 |
| INITIALS/SIG | LCW |
| DATE | 4/12/93 |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
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| INITIALS/SIG | |
| DATE | |
| RTG SYMBOL | |
| INITIALS/SIG | |
| DATE | |

U. S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM

Incidents Involving Gaylord Container and Gaylord Chemical (Bogalusa Plant)

| CARRIER | INCIDENT LOCATION | DATE | COMMODITY NAME | % | CLASS | NU-INJ-MN | DEAD | RESULTS | DAMAGES | |
|--|-------------------------------------|-----------------|---|-------|-----------------------|-----------|-------|---------|-------------------|-----------------------------|
| SHIPPER | SHIPMENT ORIGIN | MODE | D E CNT-1 | CNT-2 | CAPACITY | SHIPD | FAILD | AMT | RELEASE | |
| CONTAINER-1 FAILURE CODES | | | | | | | | | REPORT # | |
| | | | | | | | | | CONT-3? | |
| MATLACK INC GAYLORD CONTAINER 4,26,45 | BREAUX BRIDGE, LA BOGALUSA, LA | 06/26/87 H-H | DIMETHYL SULFIDE NONE NO CONTAINER-2 | | F. L. 5500.00 GAL | 0 | 0 | 0 | 5 1.00 GAL | \$10 87070447A NO |
| CSX TRANSPORTATION GAYLORD CONTAINER 10,26,35,40,45,149 | NEW ORLEANS, LA BOGALUSA, LA | 02/28/90 R | FLAMMABLE LIQUID N.O.S. 111AW NO CONTAINER-2 | | F L 21016.00 GAL | 0 | 0 | 0 | 5 1.00 GAL | \$0 90030319A NO |
| UNITED PARCEL SERVICE INC GAYLORD CONTAINER 18,27,34,35,43,51 | NEW STANTON, PA BOGALUSA, LA | 06/15/90 H-H | DIMETHYL SULFIDE BTL GLS BOX FBR 18,27,34,35,43,51 | | F. L. 0.00 GAL | 0 | 0 | 0 | SDV 0.75 GAL | \$207 90070147X NO |
| MC KENZIE TANK LINES INC AMERICAN CYANAMID CO 2,24,32,40,51 | RUSH, LA WESTMOGO, LA | 08/17/90 H-H | SULFURIC ACID H3O7 NO CONTAINER-2 | | CORROS 3600.00 GAL | 0 | 0 | 0 | SV 2331.00 GAL | \$123269 90080971A NO |
| CHEMICAL LEAMAN TANK LINES INC GAYLORD CONTAINER 4,26,32,41,45 | MATTHEWS, MO BOGALUSA, LA | 03/27/91 H-H | COMBUSTIBLE LIQUID N.O.S. M307 NO CONTAINER-2 | | COMB L 6694.00 GAL | 1 | 1 | 0 | 5 0.50 GAL | \$40 91050314A NO |
| ILLINOIS CENTRAL GULF RAILROAD GAYLORD CONTAINER 5,26,34,40,45 | NEW ORLEANS, LA BOGALUSA, LA | 04/28/91 R | FLAMMABLE LIQUIDS N.O.S. TANK CAR NONE NO CONTAINER-2 | | F L 24500.00 GAL | 0 | 0 | 0 | SV 0.00 | \$0 91050271A NO |
| CSX TRANSPORTATION SCM ORGANICS 4,26,32,40,45 | NEW ORLEANS, LA JACKSONVILLE, FL | 08/06/92 R | FLAMMABLE LIQUIDS N.O.S. 111AW NO CONTAINER-2 | | F L. 0.00 | 0 | 0 | 0 | S 1.00 GAL | \$0 92081034A NO |
| ELGIN, OLIVET & EASTERN RY CO GAYLORD CHEMICAL CO 18,26,35,40,46 | JOLIET, IL BOGALUSA, LA | 06/10/93 R | DIMETHYL SULFIDE 111AWL NO CONTAINER-2 | | F. L. 16787.00 GAL | 0 | 0 | 0 | S 0.00 | \$0 93070929A NO |
| UNITED PARCEL SERVICE INC GAYLORD CHEMICAL CO 18,27,15,40,46 | HOUSTON, TX BOGALUSA, LA | 11/03/93 H-H | DIMETHYL SULFIDE CNT PLS BOX FBR 18,27,35,43,51 | | F L. 5.00 GAL | 0 | 0 | 0 | S 1.00 GAL | \$0 94021175X NO |
| ILLINOIS CENTRAL GULF RAILROAD SCM CORP 4,27,31,41,45 | BOGALUSA, LA JACKSONVILLE, FL | 02/14/94 R | FLAMMABLE LIQUIDS N.O.S. TANK CAR NONE NO CONTAINER-2 | | F L. 0.00 | 0 | 0 | 0 | S 1.00 GAL | \$0 94020979A NO |
| ROADMAN PACKAGE SYSTEM INC BETZ LABORATORIES INC 4,26,31,40,46 | MCCOMB, MS HORSHAM, PA | 02/22/95 H-H | SULFURIC ACID BTL PLS BOX FBR 18,23,35,41,44 | | CORROS 0.00 GAL | 0 | 0 | 0 | S 0.13 GAL | \$125 95030710A NO |

86

11 RECORDS FOUND
 11 INCIDENTS

| | NUMBER OF INCIDENTS | INCIDENTS DUE TO VEHICULAR ACCIDENTS/DERAILMENTS | PERCENTAGE DUE TO VEHICULAR ACCIDENTS/DERAILMENTS |
|---------------------|---------------------|--|---|
| TOTAL | 11 | 1 | 9.09 |
| INDURITS MAJOR NDR | 0 | 0 | 0.00 |
| DEATHS | 0 | 0 | 0.00 |
| DAMAGE ¹ | 123,651 | 123,269 | 99.69 |
| EVACUA IONS | 1 | 0 | 0.00 |

U S DEPARTMENT OF TRANSPORTATION
 HAZARDOUS MATERIALS SAFETY
 HAZARDOUS MATERIALS INFORMATION SYSTEM

Incidents Involving Vicksburg Chemical Corp

CARRIER INCIDENT LOCATION DATE COMMODITY NAME & CLASS NJ-INJ-DEAD RESULTS \$DAMAGES
 SHIPPER SHIPMENT ORIGIN MODE D E CONT-1 CONT-2 CAPACITY SHIPD FAILED AMT RELEASE REPORT #
 CONTAINER-1 FAILURE CODES CONTAINER-2 FAILURE CODES CONT-3?

| | | | | | | | | | |
|---|-----------------------------------|----------|---|--------------------------|---|----|---|--------|----------------------------|
| SOUTHERN PACIFIC VICKSBURG, CH CO 18,27,35,43,51 | SACRAMENTO, CA VICKSBURG, MS | 12/05/72 | POTASSIUM NITRATE BAG PPR NONE NO CONTAINER-2 | OXIDIZR 50.00 LBS | 0 | 0 | 0 | 0.00 | \$4600 73010445A ND |
| AKRON CANTON AND Y VICKSBURG, CHEN CO 18,27,35,43,51 | COPELY, OH VICKSBURG, MS | 02/19/73 | POTASSIUM NITRATE R BAG PPR NONE NO CONTAINER-2 | OXIDIZR 100.00 LBS | 0 | 2 | 0 | 0.00 | \$14000 73020377A ND |
| CSX TRANSPORTATION VICKSBURG, CHEMICAL CO 41,44 | LAKELAND, FL VICKSBURG, MS | 12/01/86 | POTASS NITRATE R HOPPER R NONE NO CONTAINER-2 | OXIDIZR 0.00 | 0 | 1 | 0 | 0.00 | \$0 86120233A ND |
| BOUMAN TRANSPORTATION CO INC VICKSBURG, CHEMICAL CO 7,18,27,28,35,43,51 | JACKSON, MS VICKSBURG, MS | 01/22/87 | POTASS NITRATE R BAG PPR NONE NO CONTAINER-2 | OXIDIZR 100.00 LBS | 0 | 1 | 0 | 5.00 | \$0 87010411A ND |
| TOLLIE FREIGHTWAYS INC VICKSBURG, CHEMICAL CO 5,26,45 | LAKE VILLAGE, AR VICKSBURG, MS | 03/10/87 | CHLORINE H-H 106AX NO CONTAINER-2 | NONF.G. 2000.00 LBS | 0 | 13 | 1 | 995.00 | \$0 87030208A ND |
| ILLINOIS CENTRAL GULF RAILROAD VICKSBURG, CHEMICAL CO 5,26,34,40,45 | JACKSON, MS VICKSBURG, MS | 10/06/90 | CHLORINE R TANK CAR NONE NO CONTAINER-2 | NONF.G. 22500 00 GAL | 0 | 1 | 0 | 0.50 | \$0 90100644A ND |
| ABF FREIGHT SYSTEM INC VICKSBURG, CHEMICAL CO 8,12,24,31,36,44 | SPRINGFIELD, IL VICKSBURG, MS | 10/20/93 | POTASSIUM NITRATE H-H BAG PPR NONE NO CONTAINER-2 | OXIDIZR 50.00 LBS | 0 | 0 | 0 | 5 | \$50 93110283A ND |
| WICHITA SOUTHEAST KANSAS TRANS VICKSBURG, CHEMICAL CO 7,20,28,39,44 | PARSONS, KS VICKSBURG, MS | 04/20/94 | POTASSIUM NITRATE H-H CONT NO CONTAINER-2 | OXIDIZR 50 00 LBS | 0 | 2 | 0 | 0.25 | \$0 94041463A ND |
| UNION PACIFIC RAILROAD CO VICKSBURG, CHEMICAL CO 13,27,35,43,51 | KANSAS CITY, KS VICKSBURG, MS | 11/11/94 | POTASSIUM NITRATE R # TANK CAR NONE NO CONTAINER-2 | OXIDIZR 115240.00 LBS | 0 | 1 | 1 | 0 SFM | \$40000 94120704A ND |
| ROADWAY EXPRESS INC VICKSBURG, CHEMICAL CO 7,19,28,31,38,44 | PIEDMONT, SC VICKSBURG, MS | 04/07/95 | POTASSIUM NITRATE H-H BAG PPR NONE NO CONTAINER-2 | OXIDIZR 50 00 LBS | 0 | 0 | 0 | 5 | \$70 95040705A ND |

10 RECORDS FOUND
 10 INCIDENTS

| NUMBER OF INCIDENTS: | INCIDENTS | | PERCENTAGE | |
|----------------------|-----------------------------|--|-----------------------------|--|
| | TOTAL ACCIDENTS/DERAILMENTS | DUE TO VEHICULAR ACCIDENTS/DERAILMENTS | TOTAL ACCIDENTS/DERAILMENTS | DUE TO VEHICULAR ACCIDENTS/DERAILMENTS |
| INJURIES | 10 | 0 | 0.00 | |
| MAJOR | 0 | 0 | 0.00 | |
| MINOR | 12 | 0 | 0.00 | |
| DEATHS | 0 | 0 | 0.00 | |
| DAMAGES | 58,720 | 0 | 0.00 | |
| EVACUATIONS | 1 | 0 | 0.00 | |

U S DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM

Incidents Involving Cedar Chemical (Vicksburg and West Helena Plants)

| CARRIER | INCIDENT LOCATION | DATE | COMMODITY NAME | CLASS | HAZ-INV-MN | DEAD | RESULTS | DAMAGES | | |
|-------------------------------|-----------------------|-------------|----------------------------------|-------------|---------------|--------|---------------|---------|---------------|-----------|
| SHIPPER | SHIPMENT ORIGIN | MODE | D E CONT-1 | CONT-2 | CAPACITY | SHIPD | FAILD | AMT | RELEASE | REPORT # |
| CONTAINER-1 | FAILURE CODES | CONTAINER-2 | FAILURE CODES | CONTAINER-3 | FAILURE CODES | CONT-3 | FAILURE CODES | CONT-4 | FAILURE CODES | CONT-5 |
| CEDAR CHEM CO | PASCAGOULA, MS | 12/31/86 | NITRIC ACID >40% | OXIDIZR | 0 | 0 | 0 | SH | | \$140000 |
| CEDAR CHEM CO | VICKSBURG, MS | H-P * | MC312 NONE | 0 00 | 1 | 1 | 2000 00 | GAL | 87010215A | ND |
| 1,2,7,18 | | | ND CONTAINER-2 | | | | | | | |
| BURLINGTON AIR EXPRESS | FORT WAYNE, IN | 08/15/89 | POISONOUS SOLID N.D | POISON | 0 | 0 | 0 | S | | \$0 |
| CEDAR CHEM CO | WEST HELENA, AR | F-F | BTTL GLS 12B | 4 00 | 1 | 1 | 0 02 | LBS | 89090004A | ND |
| 6,9 | | | 18,27,35,43,51 | | | | | | | |
| ROADWAY EXPRESS INC | TONAWANDA, NY | 12/02/89 | THIONYL CHLORIDE | CORROS | 0 | 0 | 0 | S | | \$0 |
| CEDAR CHEM CO | WEST HELENA, AR | H-H | DRUM HTL NONE | 31 00 | 1 | 1 | 1.00 | GAL | 89120319A | ND |
| 7,28 | | | ND CONTAINER-2 | | | | | | | |
| ATCHISON TOPEKA & SANTA FE RY | LOS ANGELES, CA | 01/29/90 | FLAMMABLE LIQUID NOS | F. L. | 0 | 0 | 0 | S | | \$5 |
| CEDAR CHEM CO | WEST HELENA, AR | R | 17E NONE | 55 00 | 1 | 1 | 0.13 | GAL | 90030102B | ND |
| 9,12,15,33,43,51 | | | ND CONTAINER-2 | | | | | | | |
| ATCHISON TOPEKA & SANTA FE RY | LOS ANGELES, CA | 01/29/90 | FLAMMABLE LIQUID NOS | F. L. | 0 | 0 | 0 | S | | \$5 |
| CEDAR CHEM CO | WEST HELENA, AR | R | 17E NONE | 55 00 | 1 | 1 | 0.13 | GAL | 90030102B | ND |
| 5,26,4,45 | | | ND CONTAINER-2 | | | | | | | |
| UNION PACIFIC RAILROAD CO | NORTH LITTLE ROCK, AR | 02/21/90 | TOLUENE | F. L. | 0 | 0 | 0 | S | | \$100 |
| CEDAR CHEM CO | WEST HELENA, AR | R | 111A NONE | 23526.00 | 1 | 1 | 4.00 | GAL | 90040488A | ND |
| 4,26,31,41,45 | | | ND CONTAINER-2 | | | | | | | |
| UNION PACIFIC RAILROAD CO | NORTH LITTLE ROCK, AR | 02/21/90 | COMPOUND TREE - WEED KILL CORROS | | 0 | 0 | 0 | S | | \$100 |
| CEDAR CHEM CO | WEST HELENA, AR | R | 111A NONE | 20704 00 | 1 | 1 | 0 00 | | | 90040662A |
| 4,26,31,41,45 | | | ND CONTAINER-2 | | | | | | | |
| ARKANSAS FREIGHTWAYS INC | MEMPHIS, TN | 08/04/90 | CORROSIVE LIQUID N.O.S. | CORROS | 0 | 0 | 0 | S | | \$0 |
| FRIENDLY PUBLIC WHESE | HOUSTON, TX | H-H | DRUM HTL NONE | 55 00 | 1 | 1 | 2 00 | GAL | 90080477A | ND |
| 7,19,29,41,44 | | | ND CONTAINER-2 | | | | | | | |
| KELLEY JACK B INC | AMARILLO, TX | 09/17/90 | NITROGEN TETROXIDE LIQUID | POT GAS | 0 | 2 | 0 | SV | | \$0 |
| CEDAR CHEM CO | VICKSBURG, MS | H-H | * TANK TRK NONE | 3000 00 | 1 | 1 | 0 63 | GAL | 90090591A | ND |
| 4,27,31,43,46 | | | ND CONTAINER-2 | | | | | | | |
| FEDERAL EXPRESS CORP | LAS CRUCES, NM | 10/30/91 | FLAMMABLE LIQUIDS N.O.S. | F. L. | 0 | 0 | 0 | S | | \$0 |
| CEDAR CHEM CO | WEST HELENA, AR | AIR | DRUM HTL NONE | 5 00 | 1 | 1 | 0.53 | GAL | 91120037A | ND |
| 18,26,28,41,44 | | | ND CONTAINER-2 | | | | | | | |
| FLEET TRANSPORT CO INC | SEMIPOBIA, MS | 01/19/92 | COMBUSTIBLE LIQUID N O S | COMB L | 0 | 0 | 0 | S | | \$75000 |
| WITCO CHEMICAL CORP | HARRAHAN, LA | H-H * | MC307 NONE | 6500.00 | 1 | 1 | 6000.00 | GAL | 92020082A | ND |
| 2,26,23,43,51 | | | ND CONTAINER-2 | | | | | | | |

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U S DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM

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Incidents Involving Cedar Chemical (Vicksburg and West Helena Plants)

| CARRIER | INCIDENT LOCATION | DATE | COMMODITY NAME | CLASS | HT-INJ-NN | DEAD | RESULTS | DAMAGES | |
|---|------------------------------------|-----------------|---|---------------------------|-----------|-------|---------|----------|--------------------------|
| SHIPPER | SHIPMENT ORIGIN | MODE | D E CONT-1 | CONT-2 | CAPACITY | SHIPD | FAILD | AMT | |
| CONTAINER-1 FAILURE CODES | | | CONTAINER-2 FAILURE CODES | | | | | RELEASE | |
| | | | | | | | | REPORT # | |
| | | | | | | | | CONT-3 | |
| UNITED PARCEL SERVICE INC CEDAR HEN CD 18-26, 13, 40, 31 | LITTLE ROCK, AR WEST HELENA, AR | 03/24/93 H-H | PYRIDINE JUG PLS BOX FRR 18, 26, 35, 43, 51 | F L 2.00 GAL | 0 | 3 | 0 | 5 | \$500 73080170X ND |
| UNITED PARCEL SERVICE INC CURTIN MATHESON SCIENTIFIC 14, 26, 10, 40, 44 | LITTLE ROCK, AR HOUSTON, TX | 02/13/79 H-H | CYCLONEXANE BOTL GLS BOX FRR 18, 27, 35, 43, 51 | F L 1.00 GAL | 0 | 1 | 0 | 5 | \$30 74030047X ND |
| AMERICAN FREIGHTWAYS CO INC MICRO ILD COMPANY 18-19, 8, 38, 51 | WEST HELENA, AR SPARKS, GA | 07/19/94 H-H | CARBAMATE PESTICIDE BAG PLS NONE NO CONTAINER-2 | SOLID POISON 50.00 LBS | 0 | 1 | 0 | 5 | \$0 74080371A ND |

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14 RECORDS FOUND
 13 INCIDENTS

| | TOTAL | INCIDENTS DUE TO VEHICULAR ACCIDENTS/DERAILMENTS | PERCENTAGE DUE TO VEHICULAR ACCIDENTS/DERAILMENTS |
|-----------------------------|---------|--|---|
| NUMBER OF INCIDENTS: | 13 | 2 | 15.38 |
| INJURIES MAJOR MINOR: | 0 7 | 0 0 | 0.00 0.00 |
| DEATHS | 0 | 0 | 0.00 |
| DAMAGE: | 215,741 | 215,000 | 99.66 |
| EVACUATIONS | 1 | 0 | 0.00 |

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U S DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM

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Incidents Involving Union Tank Car Company (Villie Platte Plant)

| CARRIER | INCIDENT LOCATION | DATE | COMMODITY NAME | CLASS | SHIPD | INJ | DEAD | RESULTS | DAMAGES |
|---|----------------------------------|-----------------|---|--------------------|--------|--------|--------|---------|--------------------------|
| SHIPPER | SHIPMENT ORIGIN | MODE | CONT-1 | CAPACITY | CONT-2 | CONT-3 | CONT-4 | CONT-5 | CONT-6 |
| CONTAINER-1 FAILURE CODES | | | | | | | | | |
| ROADWAY EXPRESS, INC INDIVIDUAL - NOT A COMPANY 11/27/29,41,44 | MERIDIAN, MS BEDFORD PARK, IL | 04/21/93 H-H | PAINT DR PAINT RELATED DRUM HTL NONE NO CONTAINER-2 | F L 55 00 GAL | 0 | 0 | 0 | S | \$20 93050841A ND |
| YELLOW FREIGHT SYSTEM INC RUF INTERNATIONAL 7/20/2E,41,44 | RICHLAND, MS LIVONIA, MI | 09/23/93 H-H | 1,1,1-TRICHLOROETHANE 17H NO CONTAINER-2 | POISON 5 00 GAL | 0 | 0 | 0 | S | \$400 93100935A ND |
| ROADWAY EXPRESS, INC HERESITE PROTECTIVE COATINGS 8,19,32,40,44 | MERIDIAN, MS MANTOWOC, MI | 01/16/94 H-H | ETHANOL PAIL HTL NONE NO CONTAINER-2 | F, L 5 00 GAL | 0 | 0 | 0 | S | \$300 94020028X ND |
| YELLOW FREIGHT SYSTEM INC RUF INTERNATIONAL 7,20,2E,41,44 | RICHLAND, MS LIVONIA, MI | 03/21/94 H-H | 1,1,1-TRICHLOROETHANE 1A2 NO CONTAINER-2 | POISON 5.00 GAL | 0 | 0 | 0 | S | \$560 94061046A ND |
| YELLOW FREIGHT SYSTEM INC RUF INTERNATIONAL 8,19,32,40,44 | RICHLAND, MS LIVONIA, MI | 12/21/94 H-H | 1,1,1-TRICHLOROETHANE PAIL HTL NONE NO CONTAINER-2 | POISON 5.00 GAL | 0 | 0 | 0 | S | \$505 95010561A ND |
| YELLOW FREIGHT SYSTEM INC RUF INTERNATIONAL 8,19,32,40,44 | RICHLAND, MS LIVONIA, MI | 02/27/95 H-H | 1,1,1-TRICHLOROETHANE PAIL HTL NONE NO CONTAINER-2 | POISON 5 00 GAL | 0 | 0 | 0 | S | \$500 95030928A ND |

4

89

5 RECORDS FOUND
6 INCIDENTS

| NUMBER OF INCIDENTS | INCIDENTS | | PERCENTAGE | |
|---------------------|-----------------------------|--|-----------------------------|--|
| | TOTAL ACCIDENTS/DERAILMENTS | DUE TO VEHICULAR ACCIDENTS/DERAILMENTS | TOTAL ACCIDENTS/DERAILMENTS | DUE TO VEHICULAR ACCIDENTS/DERAILMENTS |
| INJURIES | 6 | 0 | 0.00 | |
| DEATHS | 0 | 0 | 0.00 | |
| DAMAGE | 2,285 | 0 | 0.00 | |
| EVACUATIONS | 0 | 0 | 0.00 | |

U S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM

Incidents Involving Nitrogen Tetroxide (1973 to Present)

| CARRIER | INCIDENT LOCATION | DATE | COMMODITY NAME | CLASS | HAZ-INV-MN | DEAD | RESULTS | DAMAGES |
|---------------------------|---------------------------|------|----------------|--------|------------|-------|---------|----------|
| SHIPPER | SHIPMENT ORIGIN | MODE | D E CONT-1 | CONT-2 | CAPACITY | SHIPD | FAILD | AMT |
| CONTAINER-1 FAILURE CODES | CONTAINER-2 FAILURE CODES | | | | | | | RELEASE |
| | | | | | | | | REPORT # |

| | | | | | | | | | |
|--|------------------------------|-------------------|--|---------------------|---|---|---|---|----------------------------|
| HATCH N S CO, VICKSBURG CHEMICAL CO 18,27,35,43,51 | ABILENE, TX VICKSBURG, MS | 09/03/73 H-H * | NITROGEN TETROXIDE L HC330 NONE NO CONTAINER-2 | POI GAS 0.00 GAL | 0 | 0 | 0 | 5 | \$15000 73090299A ND |
|--|------------------------------|-------------------|--|---------------------|---|---|---|---|----------------------------|

| | | | | | | | | | |
|---|-----------------------------|-----------------|--|------------------------|---|---|---|---|--------------------------|
| PACIFIC INTERMOUNTAIN EXPRESS VICKSBURG CHEMICAL CO 5,26,45 | LONPOG, CA VICKSBURG, MS | 09/10/76 H-H | NITROGEN TETROXIDE L HC330 NONE NO CONTAINER-2 | POI GAS 4492.00 GAL | 0 | 0 | 0 | 5 | \$100 76090818A ND |
|---|-----------------------------|-----------------|--|------------------------|---|---|---|---|--------------------------|

| | | | | | | | | | |
|---|-----------------------------|-----------------|--|---------------------|---|---|---|---|------------------------|
| ROADWAY EXPRESS INC UNION CARBIDE CORP 13 | KEARNY, NJ E CHICAGO, IN | 07/06/78 H-H | NITROGEN DIOXIDE L CYL BOX WOOD NO FAILURE CODES | POI GAS 2.00 LBS | 0 | 1 | 0 | 5 | \$0 78071178A ND |
|---|-----------------------------|-----------------|--|---------------------|---|---|---|---|------------------------|

| | | | | | | | | | |
|---|----------------------------|-----------------|---|---------------------|---|---|---|---|-------------------------|
| YELLOW FREIGHT SYSTEM INC AIR PRODUCTS & CHEMICALS INC 18,27,35,43,51 | SAN JOSE, CA TAMQUA, PA | 07/03/80 H-H | NITROGEN DIOXIDE L CYL BOX FBR 18,27,35,43,51 | POI GAS 4.00 LBS | 0 | 1 | 0 | 5 | \$50 80071415A ND |
|---|----------------------------|-----------------|---|---------------------|---|---|---|---|-------------------------|

| | | | | | | | | | |
|--|--------------------------|-----------------|---|---------------------|---|---|---|---|--------------------------|
| YELLOW FREIGHT SYSTEM INC UNIVERSITY OF DENVER-CHEMISTRY 4,26,45 | DENVER, CO DENVER, CO | 06/21/89 H-H | NITROGEN DIOXIDE LI CYL NONE NO CONTAINER-2 | POI GAS 2.00 GAL | 0 | 0 | 0 | 5 | \$125 89080277A ND |
|--|--------------------------|-----------------|---|---------------------|---|---|---|---|--------------------------|

| | | | | | | | | | |
|---|-------------------------------|-----------------|--|------------------------|---|---|---|---|-----------------------|
| KELLEY JACK B INC CEDAR CHEM CO 4,27,35,43,46 | AMARILLO, TX VICKSBURG, MS | 09/17/90 H-H | NITROGEN TETROXIDE LIQUID TANK TRK NONE NO CONTAINER-2 | POI GAS 3000.00 GAL | 0 | 1 | 2 | 0 | SV 90090571A ND |
|---|-------------------------------|-----------------|--|------------------------|---|---|---|---|-----------------------|

| | | | | | | | | | |
|--|---|-----------------|---|-----------------|---|---|---|---|-----------------------|
| YOWELL INTERNATIONAL LOCKHEED MISSILES & SPACE CO 5,26,35,43,45,49 | FONTANA, CA VANDENBERG AIR FORCE, CA | 07/28/91 H-H | NITROGEN DIOXIDE LIQUIDE # CONT NONE NO CONTAINER-2 | POI GAS 0.00 | 0 | 1 | 1 | 0 | SV 91081079A ND |
|--|---|-----------------|---|-----------------|---|---|---|---|-----------------------|

| | | | | | | | | | |
|---|---------------------------|-----------------|--|------------------------|---|---|---|---|----------------------|
| SUPERIOR CARRIERS INC NOT REPORTED BY CARRIER 18,27,39,36,39,48 | MARHAM, IL UNKNOWN, XX | 05/09/94 H-H | NITROGEN DIOXIDE LIQUIDE # HC330 NONE NO CONTAINER-2 | POI GAS 2865.00 GAL | 0 | 1 | 1 | 0 | 5 94050997A ND |
|---|---------------------------|-----------------|--|------------------------|---|---|---|---|----------------------|

90

3 RECORDS FOUND
 9 INCIDENTS

| NUMBER OF INCIDENTS | INCIDENTS | | PERCENTAGE |
|---------------------|--|--|------------|
| | DUE TO VEHICULAR ACCIDENTS/DERAILMENTS | DUE TO VEHICULAR ACCIDENTS/DERAILMENTS | |
| 8 | 1 | 12.50 | |
| INJURIES | | | |
| MAJOR | 0 | 0.00 | |
| MINOR | 5 | 0.00 | |
| DEATHS | 0 | 0.00 | |
| DAMAGE | 30,675 | 48.90 | |
| EVACUATIONS | 3 | 0.00 | |

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HAZARDOUS MATERIALS INCIDENT REPORT (HAZREP) GUIDE

FEBRUARY 1994

SECTION HEADINGS

| | |
|---------------------------|--|
| CARRIER | : Carrier's Name |
| INCIDENT LOCATION | : City and State of the Incident |
| DATE | : Incident Date |
| COMMODITY NAME | : Proper Shipping Name of Commodity |
| CLASS | : Hazard Class of the Commodity |
| MJ-INJ-MN | : Injuries, MJ-Major, MN-Minor |
| DEAD | : Deaths |
| RESULTS | : Result from the Incident |
| DAMAGES | : Damages rounded to the nearest dollar amount |
| SHIPPER | : Shipper's Name |
| SHIPMENT ORIGIN | : City and State of Shipment's Origin |
| MODE | : Mode of Transportation |
| D | : '*' Indicates Vehicular Accident/Derailment |
| E | : '#' Indicates Evacuation |
| CONT-1 | : Inner (Main) Container |
| CONT-2 | : Outer (Secondary) Container |
| CAPACITY | : Capacity of Inner Container |
| SHIPD | : Number of Inner Containers Shipped |
| FAILD | : Number of Inner Containers Failed |
| AMT RELEASE | : Amount of Material Released |
| REPORT # | : DOT Assigned Number |
| CONTAINER-1 FAILURE CODES | : Reason(s) for failure of packaging for 1st container |
| CONTAINER-2 FAILURE CODES | : Reason(s) for failure of packaging for 2nd container |
| CONT-3? | : YES OR NO - Whether or not packaging for third container was given |

MULTIPLE REPORT CODES

| MULTIPLE CODE | DESCRIPTION |
|------------------|---|
| A | A report number appearing once in the database with an A code, indicates an incident involving a single shipper, commodity, container type and size, and container manufacturer |
| B | A report number appearing several times with codes B thru U, indicates an incident involving more than one shipper, commodity, container type or size, or container manufacturer. |
| V | Limited quantities of hazardous materials for which a packaging exception is listed in section 172.101, col. 5(a). |
| W | Any hazardous material released from a hose during the normal course of loading or unloading of a tank vehicle after the internal valve has been closed and the hose has been disconnected. |
| X | Shipments of flammable liquids in packagings of 5 gallons or less capacity (does not include limited quantities). |
| Y | Shipments of electric storage batteries. |
| Z | Any report which does not appear to meet the reporting criteria as outlined in section 171.16. |

NOTE. Codes V thru Z were added to the incident report database in January 1977.

| <u>DataBase</u> | <u>Attribute</u> |
|-----------------|------------------|
| HAZMAT.DMS | MTPL |

RESULT CODES

| <u>CODE</u> | <u>DESCRIPTION</u> |
|-------------|---------------------------------|
| S | SPILLAGE |
| F | FIRE |
| E | EXPLOSION |
| D | ENVIRONMENTAL DAMAGE |
| W | MATERIAL ENTERED WATERWAY/SEWER |
| V | VAPOR (GAS) DISPERSION |
| O | OTHER |
| N | NONE |

TRANSPORTATION MODE CODES

| <u>CODE</u> <u>ABBREVIATION</u> | <u>MODE OF TRANSPORTATION</u> |
|------------------------------------|-------------------------------|
| AIR | AIR |
| H-H | HIGHWAY (FOR HIRE) |
| H-P | HIGHWAY (PRIVATE) |
| R | RAILWAY |
| W | WATER |
| OTH | OTHER |

HAZARD CLASS CODES

| <u>CLASS ABBREVIATION</u> | <u>HAZARD CLASS</u> | <u>DEFINITION (CFR 49)</u> |
|-------------------------------|-----------------------------------|--------------------------------|
| COMB L | COMBUSTIBLE LIQUID | 173.120(b)1 |
| CORROS | CORROSIVE MATERIAL | 173.136a |
| DAN WET | DANGEROUS WHEN WET MATERIAL | 173.124 |
| EXPL.A. | EXPLOSIVES, CLASS A | 173.53 |
| EXPL.B | EXPLOSIVES, CLASS B | 173.53 |
| EXPL.C. | EXPLOSIVES, CLASS C | 173.53 |
| EXPLO 1 | EXPLOSIVE MASS EXPLOSION HAZARD | 173.50 |
| EXPLO 2 | EXPLOSIVE PROJECTION HAZARD | 173.50 |
| EXPLO 3 | EXPLOSIVE FIRE HAZARD | 173.50 |
| EXPLO 4 | EXPLOSIVE NO BLAST HAZARD | 173.50 |
| EXPLO 5 | VERY INSENSITIVE EXPLOSIVE | 173.50 |
| EXPLO 6 | EXTREMELY INSENSITIVE DETONATING | 173.50 |
| F. G. | FLAMMABLE COMPRESSED GAS | 173.115 |
| F. L. | FLAMMABLE - COMBUSTIBLE LIQUID | 173.120 |
| F. S. | FLAMMABLE SOLID | 173.124 |
| F. S. | FLAMMABLE SOLID (PRE 1991) | 173.150 |
| FORBID | FORBIDDEN | 173.21 |
| INF SUB | INFECTIOUS SUBSTANCE (ETIOLOGIC) | 173.134 |
| IRR | IRRITATING MATERIAL | 173.132 |
| MISCEL | MISCELLANEOUS HAZARDOUS MATERIAL | 173.140 |
| NONF.G. | NONFLAMMABLE COMPRESSED GAS | 173.115 |
| ORG PER | ORGANIC PEROXIDE | 173.128 |
| ORM-A | OTHER REGULATED MATERIAL, CLASS A | 173.140 |
| ORM-B | OTHER REGULATED MATERIAL, CLASS B | 173.140 |
| ORM-C | OTHER REGULATED MATERIAL, CLASS C | 173.140 |
| ORM-D | OTHER REGULATED MATERIAL, CLASS D | 173.144 |
| ORM-E | OTHER REGULATED MATERIAL, CLASS E | 173.140 |
| OXIDIZR | OXIDIZER | 173.127 |
| POI GAS | POISONOUS GAS | 173.115 |
| POISON | POISONOUS MATERIALS | 173.132 |
| R A.M. | RADIOACTIVE MATERIAL | 173.403 |
| SPONTAN | SPONTANEOUSLY COMBUSTIBLE | 173.124 |

| ABBR OR SPEC NO. | BULK | TYPE | CONTAINER DESCRIPTION |
|---------------------|------|-----------------|---------------------------------|
| 103 | YES | TANK CAR | NON-PRESSURE |
| 103A | YES | TANK CAR | NON-PRESSURE |
| 103AALW | YES | TANK CAR | NON-PRESSURE |
| 103AL | YES | TANK CAR | NON-PRESSURE |
| 103ALW | YES | TANK CAR | NON-PRESSURE |
| 103ANW | YES | TANK CAR | NON-PRESSURE |
| 103AW | YES | TANK CAR | NON-PRESSURE |
| 103B | YES | TANK CAR | NON-PRESSURE |
| 103BW | YES | TANK CAR | NON-PRESSURE |
| 103C | YES | TANK CAR | NON-PRESSURE |
| 103CAL | YES | TANK CAR | NON-PRESSURE |
| 103CW | YES | TANK CAR | NON-PRESSURE |
| 103DW | YES | TANK CAR | NON-PRESSURE |
| 103EW | YES | TANK CAR | NON-PRESSURE |
| 103W | YES | TANK CAR | NON-PRESSURE |
| 104 | YES | TANK CAR | NON-PRESSURE |
| 104A | YES | TANK CAR | NON-PRESSURE |
| 104AW | YES | TANK CAR | NON-PRESSURE |
| 104W | YES | TANK CAR | NON-PRESSURE |
| 105 | YES | TANK CAR | PRESSURE |
| 105A | YES | TANK CAR | PRESSURE |
| 105AALW | YES | TANK CAR | PRESSURE |
| 105AF | YES | TANK CAR | PRESSURE |
| 105AW | YES | TANK CAR | PRESSURE |
| 106A | YES | TANK CAR | MULTI-UNIT |
| 106ANCI | YES | TANK CAR | MULTI-UNIT |
| 106AW | YES | TANK CAR | MULTI-UNIT |
| 106AX | YES | TANK CAR | MULTI-UNIT |
| 107A | YES | TANK CAR | HIGH PRESSURE |
| 109AALW | YES | TANK CAR | PRESSURE |
| 109AW | YES | TANK CAR | PRESSURE |
| 10A | --- | BARREL/KEG WOOD | WOODEN BARRELS AND KEGS (TIGHT) |
| 10B | --- | BARREL/KEG WOOD | WOODEN BARRELS AND KEGS (TIGHT) |
| 10C | --- | BARREL/KEG WOOD | WOODEN BARRELS AND KEGS (TIGHT) |
| 110A | YES | TANK CAR | MULTI-UNIT |
| 110AW | YES | TANK CAR | MULTI-UNIT |
| 111A | YES | TANK CAR | NON-PRESSURE |
| 111AALW | YES | TANK CAR | NON-PRESSURE |
| 111AF | YES | TANK CAR | NON-PRESSURE |
| 111AW | YES | TANK CAR | NON-PRESSURE |
| 112A | YES | TANK CAR | PRESSURE |
| 112AF | YES | TANK CAR | PRESSURE |
| 112AW | YES | TANK CAR | PRESSURE |
| 112J | YES | TANK CAR | PRESSURE |
| 112JW | YES | TANK CAR | PRESSURE |
| 112S | YES | TANK CAR | PRESSURE |
| 112SW | YES | TANK CAR | PRESSURE |
| 112T | YES | TANK CAR | PRESSURE |
| 113A175W | YES | TANK CAR CRYO | LIQUIFIED HYDROGEN |
| 113A60W | YES | TANK CAR CRYO | LIQUIFIED HYDROGEN |
| 113AW | YES | TANK CAR | LIQUIFIED HYDROGEN |
| 113C120W | YES | TANK CAR CRYO | LIQUIFIED HYDROGEN |
| 113CW | YES | TANK CAR | LIQUIFIED HYDROGEN |
| 113DW | YES | TANK CAR | LIQUIFIED HYDROGEN |
| 114A | YES | TANK CAR | PRESSURE |
| 114AW | YES | TANK CAR | PRESSURE |

CONTAINER ABBREVIATIONS AND SPECIFICATION NUMBERS

| ABBR OR SPEC NO | BULK | TYPE | CONTAINER DESCRIPTION |
|--------------------|------|-----------------|---|
| 114CW | YES | TANK CAR | PRESSURE |
| 114J | YES | TANK CAR | PRESSURE |
| 114JW | YES | TANK CAR | PRESSURE |
| 114S | YES | TANK CAR | PRESSURE |
| 114SW | YES | TANK CAR | PRESSURE |
| 114T | YES | TANK CAR | PRESSURE |
| 115AALW | YES | TANK CAR | NON-PRESSURE |
| 115AW | YES | TANK CAR | NON-PRESSURE |
| 11A | --- | BARREL/KEG WOOD | WOODEN BARRELS AND KEGS (SLACK) |
| 11B | --- | BARREL/KEG WOOD | WOODEN BARRELS AND KEGS (SLACK) |
| 12A | --- | BOX FIBER | BOXES NRC |
| 12B | --- | BOX FIBER | BOXES |
| 12C | --- | BOX FIBER | BOXES |
| 12D | --- | BOX FIBER | BOXES |
| 12E | --- | BOX FIBER | BOXES |
| 12H | --- | BOX FIBER | BOXES |
| 12F | --- | BOX FIBER | BOXES NRC |
| 12R | --- | BOX FIBER | PAPER FACED EXPANDED POLYSTRENE NRC |
| 13 | --- | KEG METAL | METAL KEGS |
| 13A | --- | DRUM METAL | METAL DRUMS |
| 14 | --- | BOX WOOD | NAILED |
| 15A | --- | BOX WOOD | NAILED |
| 15B | --- | BOX WOOD | NAILED |
| 15C | --- | BOX WOOD | NAILED |
| 15D | --- | BOX WOOD | NAILED |
| 15E | --- | BOX WOOD | FIBERBOARD LINED |
| 15L | --- | BOX WOOD | BOXES |
| 15M | --- | BOX WOOD | METAL LINED |
| 15P | --- | BOX WOOD | GLUED PLYWOOD OR WOODEN BOX |
| 15X | --- | BOX WOOD | WOODEN BOXES FOR TWO FIVE-GALLON CANS |
| 16A | --- | BOX WOOD | PLYWOOD OR WOODEN BOXES, WIREBOUND |
| 16B | --- | BOX WOOD | WOODEN BOXES, WIREBOUND |
| 16D | --- | BOX WOOD | WOODEN WIREBOUND OVERWRAP |
| 17C | --- | DRUM METAL | STEEL STC RHA |
| 17E | --- | DRUM METAL | STEEL STC RHNA |
| 17E/17H | --- | DRUM METAL | RECONDITIONED 17E (CLOSED HEAD), CONVERTED TO 17H (OPEN HEAD) STC RHR |
| 17F | --- | DRUM METAL | STEEL STC RHNA |
| 17H | --- | DRUM METAL | STEEL STC RHR |
| 17X | --- | DRUM METAL | STEEL BARRELS OR DRUMS STC RHNA |
| 18B | --- | BOX WOOD | WOODEN KITS |
| 19A | --- | BOX WOOD | WOODEN BOXES, PLYWOOD, CLEATED |
| 19B | --- | BOX WOOD | WOODEN BOXES, PLYWOOD, NAILED |
| 1A | --- | CARBOY | BOXED |
| 1A1 | --- | DRUM METAL | NON-REMOVABLE HEAD STEEL DRUM |
| 1A2 | --- | DRUM METAL | REMOVABLE HEAD STEEL DRUM |
| 1B | --- | CARBOY | BOXED LEAD |
| 1B1 | --- | DRUM METAL | NON-REMOVABLE HEAD ALUMINUM DRUM |
| 1B2 | --- | DRUM METAL | REMOVABLE HEAD ALUMINUM DRUM |
| 1C | --- | CARBOY | IN KEGS |
| 1D | --- | CARBOY | BOXED GLASS |
| 1D | --- | BARREL/KEG WOOD | PLYWOOD DRUM |
| 1E | --- | CARBOY | GLASS, IN PLYWOOD DRUMS |
| 1EX | --- | CARBOY | GLASS, IN PLYWOOD DRUMS STC |
| 1G | --- | DRUM NON-METAL | FIBER DRUM |
| 1H | --- | CARBOY | POLYETHYLENE, IN METAL CRATES |

| ABBR OR SPEC NO | BULK | TYPE | CONTAINER DESCRIPTION |
|--------------------|------|-----------------|--|
| 1H1 | --- | DRUM NON-METAL | NON-REMOVABLE HEAD PLASTIC DRUM |
| 1H2 | --- | DRUM NON-METAL | REMOVABLE HEAD PLASTIC DRUM |
| 1K | --- | CARBOY | GLASS, CUSHIONED WITH EXPANDABLE POLYSTYRENE IN WOODEN WIREBOUND BOX |
| 1M | --- | CARBOY | GLASS WITH EXPANDED POLYSTYRENE OVERPACK |
| 1N1 | --- | DRUM METAL | NON-REMOVABLE HEAD METAL DRUM |
| 1N2 | --- | DRUM METAL | REMOVABLE HEAD METAL DRUM |
| 1X | --- | CARBOY | BOXED, 5 TO 6 1/2 GALLONS FOR EXPORT ONLY STC |
| 20PF | --- | RAM CONTAINER | PHENOLIC-FOAM INSULATED, METAL OVERPACK |
| 20WC | --- | RAM CONTAINER | WOODEN PROTECTIVE JACKET |
| 21C | --- | DRUM NON-METAL | FIBER DRUM |
| 21P | --- | DRUM NON-METAL | FIBER DRUM OVERPACK FOR INSIDE PLASTIC CONTAINER |
| 21PF | --- | RAM CONTAINER | FIRE AND SHOCK RESISTANT, PHENOLIC-FOAM INSULATED, METAL OVERPACK |
| 21WC | --- | RAM CONTAINER | WOODEN PROTECTIVE OVERPACK |
| 22A | --- | DRUM NON-METAL | WOODEN DRUMS, PLYWOOD |
| 22B | --- | DRUM NON-METAL | WOODEN DRUMS, PLYWOOD |
| 22C | --- | DRUM NON-METAL | PLYWOOD DRUM FOR PLASTIC INSIDE CONTAINER |
| 23F | --- | BOX FIBER | FIBERBOARD BOXES |
| 23G | --- | BOX FIBER | SPECIAL CYLINDRICAL FIBERBOARD BOX FOR HIGH EXPLOSIVES |
| 23H | --- | BOX FIBER | FIBERBOARD BOXES |
| 25 | YES | TANK | STEEL CYLINDER, SEAMLESS, MAXIMUM SIZE 120 POUNDS WATER CAPACITY |
| 26 | YES | TANK | STEEL CYLINDER, SEAMLESS, MAXIMUM SIZE 220 POUNDS WATER CAPACITY |
| 28 | --- | CARBOY | METAL-JACKETED |
| 28A | --- | CARBOY | METAL-JACKETED |
| 29 | --- | TUBE | MAILING TUBE |
| 2A | --- | INSIDE CONTAIN | INSIDE CONTAINER METAL CANS, PAILS AND KITS |
| 2C | --- | INSIDE CONTAIN | CORRUGATED FIBERBOARD CARTONS |
| 2C1 | --- | BARREL/KEG WOOD | BUNG TYPE WOODEN BARREL |
| 2C2 | --- | BARREL/KEG WOOD | SLACK TYPE (REMOVABLE HEAD) WOODEN BARREL |
| 2D | --- | INSIDE CONTAIN | DUPLEX PAPER BAGS |
| 2E | --- | INSIDE CONTAIN | POLYETHYLENE BOTTLE |
| 2F | --- | INSIDE CONTAIN | METAL CONTAINERS AND LINERS |
| 2G | --- | INSIDE CONTAIN | FIBER CANS AND BOXES |
| 2J | --- | INSIDE CONTAIN | WATERPROOF PAPER BAGS FOR LININGS |
| 2K | --- | INSIDE CONTAIN | PAPER BAGS FOR LININGS |
| 2L | --- | INSIDE CONTAIN | LINING FOR BOXES |
| 2M | --- | INSIDE CONTAIN | WATERPROOF PAPER LINING |
| 2N | --- | INSIDE CONTAIN | METAL CANS |
| 2P | --- | INSIDE CONTAIN | NON-REFILLABLE METAL CONTAINERS |
| 2Q | --- | INSIDE CONTAIN | NON-REFILLABLE METAL CONTAINERS |
| 2R | --- | INSIDE CONTAIN | METAL TUBES FOR RADIOACTIVE MATERIALS |
| 2S | --- | INSIDE CONTAIN | POLYETHYLENE CONTAINERS RHNA |
| 2SL | --- | INSIDE CONTAIN | POLYETHYLENE CONTAINERS RHNA |
| 2T | --- | INSIDE CONTAIN | POLYETHYLENE CONTAINERS |
| 2TL | --- | INSIDE CONTAIN | POLYETHYLENE CONTAINERS |
| 2U | --- | INSIDE CONTAIN | POLYETHYLENE CONTAINERS OVER ONE GALLON CAPACITY RHNA |
| 3 | --- | CYLINDER | STEEL CYLINDER, SEAMLESS |
| 31 | --- | JUG | JUGS IN TUBS |
| 32A | --- | BOX METAL | METAL CASES, RIVETED OR LOCK-SEAMED |
| 32B | --- | BOX METAL | METAL CASES, WELDED OR RIVETED |
| 32C | --- | BOX METAL | METAL TRUNKS |
| 32D | --- | BOX METAL | METAL BOXES |

| ABBR OR SPEC NO | BULK | TYPE | CONTAINER DESCRIPTION |
|-----------------|------|----------------|--|
| 33 | YES | TANK | STEEL CYLINDER, SEAMLESS, MAXIMUM SIZE 120 POUNDS WATER CAPACITY |
| 33A | --- | OTHER | POLYSTYRENE CASES |
| 34 | --- | DRUM NON-METAL | REUSABLE MOLDED POLYETHYLENE CONTAINER WITHOUT OVERPACK RHNA |
| 34B | --- | CARBOY | ALUMINUM CARBOYS |
| 35 | --- | DRUM NON-METAL | NON-REUSABLE MOLDED POLYETHYLENE DRUM FOR USE WITHOUT OVERPACK RHR |
| 36A | --- | BAG CLOTH | LINED CLOTH (TRIPLEX) |
| 36B | --- | BAG CLOTH | BURLAP, LINED |
| 36C | --- | BAG CLOTH | BURLAP, PAPER LINED |
| 37A | --- | DRUM METAL | DRUMS STC RHR |
| 37B | --- | DRUM METAL | DRUMS STC RHNA |
| 37C | --- | DRUM METAL | DRUMS NRC RHR |
| 37D | --- | DRUM METAL | DRUMS NRC RHNA |
| 37K | --- | DRUM METAL | DRUMS STC RHA |
| 37M | --- | DRUM METAL | STEEL OVERPACK FOR INSIDE PLASTIC CONTAINER NRC |
| 37P | --- | DRUM METAL | STEEL DRUMS WITH POLYETHYLENE LINER |
| 38 | YES | TANK | STEEL CYLINDER, SEAMLESS, MINIMUM SIZE 5 POUNDS WATER CAPACITY |
| 39 | --- | CYLINDER | NON-REUSABLE (NON-REFILLABLE) CYLINDERS NRC |
| 3A | YES | CYLINDER BULK | SEAMLESS STEEL |
| 3A1 | --- | JERRICAN | NON-REMOVABLE HEAD STEEL JERRICAN |
| 3A2 | --- | JERRICAN | REMOVABLE HEAD STEEL JERRICAN |
| 3A480X | --- | CYLINDER | SEAMLESS STEEL |
| 3AA | --- | CYLINDER | SEAMLESS STEEL, MADE OF DEFINITELY PRESCRIBED STEELS |
| 3AAx | YES | CYLINDER TRL | SEAMLESS STEEL, MADE OF DEFINITELY PRESCRIBED STEELS OVER 1000 POUNDS WATER VOLUME |
| 3AL | --- | CYLINDER | SEAMLESS CYLINDER MADE OF DEFINITELY PRESCRIBED ALUMINUM ALLOYS |
| 3AX | YES | CYLINDER TRL | SEAMLESS STEEL, OVER 1000 POUNDS WATER VOLUME |
| 3B | --- | CYLINDER | SEAMLESS STEEL |
| 3BN | --- | CYLINDER | SEAMLESS NICKEL |
| 3C | --- | CYLINDER | SEAMLESS STEEL |
| 3D | --- | CYLINDER | SEAMLESS STEEL |
| 3E | --- | CYLINDER | SEAMLESS STEEL |
| 3H1 | --- | JERRICAN | NON-REMOVABLE HEAD PLASTIC JERRICAN |
| 3H2 | --- | JERRICAN | REMOVABLE HEAD PLASTIC JERRICAN |
| 3HT | --- | CYLINDER | INSIDE CONTAINERS, SEAMLESS STEEL FOR A/C USE |
| 3T | --- | CYLINDER | SEAMLESS STEEL |
| 4 | --- | CYLINDER | FORGE WELDED STEEL |
| 40 | --- | CYLINDER | NON-REFILLABLE METAL CONTAINERS |
| 41 | --- | CYLINDER | NON-REFILLABLE METAL CONTAINERS |
| 42 | --- | DRUM METAL | ALUMINUM DRUM |
| 42B | --- | DRUM METAL | DRUMS |
| 42C | --- | DRUM METAL | BARRELS OR DRUMS |
| 42D | --- | DRUM METAL | DRUMS |
| 42E | --- | DRUM METAL | DRUMS STC |
| 42F | --- | DRUM METAL | BARRELS OR DRUMS RHR |
| 42G | --- | DRUM METAL | DRUMS |
| 42H | --- | DRUM METAL | DRUMS RHNA |
| 43A | --- | DRUM NON-METAL | RUBBER DRUMS |
| 44B | --- | BAG PAPER | PAPER BAGS |
| 44C | --- | BAG PAPER | PAPER BAGS |
| 44D | --- | BAG PAPER | PAPER BAGS |
| 44E | --- | BAG PAPER | PAPER BAGS |

| ABBR OR SPEC NO | BULK | TYPE | CONTAINER DESCRIPTION |
|--------------------|------|---------------|---|
| 4CF | | BAG PLASTIC | ALL PLASTIC BAG |
| 45B | --- | BAG CLOTH | BAGS, CLOTH AND PAPER, LINED |
| 4A | --- | CYLINDER | FORGED WELDED STEEL |
| 4A1 | --- | BOX METAL | UNLINED AND UNCOATED STEEL BOX |
| 4A2 | --- | BOX METAL | STEEL BOX WITH INNER LINER OR COATING |
| 4AA480 | --- | CYLINDER | WELDED STEEL |
| 4B | --- | CYLINDER | WELDED AND BRAZED STEEL |
| 4B1 | --- | BOX METAL | UNLINED AND UNCOATED ALUMINUM BOX |
| 4B2 | --- | BOX METAL | ALUMINUM BOX WITH INNER LINER OR COATING |
| 4B240ET | --- | CYLINDER | WELDED AND BRAZED |
| 4B240FLW | --- | CYLINDER | WELDED OR WELDED AND BRAZED |
| 4B240X | --- | CYLINDER | CYLINDER WITHOUT LONGITUDINAL SEAM FOR PRESSURES OF 150 TO 500 POUNDS PSI |
| 4BA | --- | CYLINDER | WELDED OR BRAZED STEEL, MADE OF DEFINITELY PRESCRIBED STEELS |
| 4BW | --- | CYLINDER | WELDED STEEL |
| 4C | --- | CYLINDER | WELDED AND BRAZED STEEL |
| 4C1 | --- | BOX WOOD | NATURAL WOOD BOX |
| 4C2 | --- | BOX WOOD | NATURAL WOOD BOX WITH SIFT-PROOF WALLS |
| 4D | --- | CYLINDER | INSIDE CONTAINERS, WELDED STEEL |
| 4D | --- | BOX WOOD | PLYWOOD BOX |
| 4DA | --- | CYLINDER | INSIDE CONTAINERS, WELDED STEEL FOR A/C USE |
| 4DS | --- | CYLINDER | INSIDE CONTAINERS, WELDED STAINLESS STEEL |
| 4E | --- | CYLINDER | WELDED ALUMINUM |
| 4F | --- | BOX WOOD | RECONSTITUTED WOOD BOX |
| 4G | --- | BOX FIBER | FIBERBOARD BOX |
| 4H1 | --- | BOX PLASTIC | EXPANDED PLASTIC BOX |
| 4H2 | --- | BOX PLASTIC | SOLID PLASTIC BOX |
| 4L | --- | CYLINDER | WELDED, INSULATED |
| 5 | --- | DRUM METAL | STEEL BARRELS OR DRUMS RHA |
| 50 | YES | TANK | STEEL PORTABLE TANK |
| 51 | YES | TANK | STEEL |
| 51X | YES | TANK | STEEL PORTABLE TANK |
| 52 | YES | TANK | ALUMINUM OR MAGNESIUM PORTABLE TANK |
| 53 | YES | TANK | CYLINDRICAL ALUMINUM PORTABLE TANK |
| 55 | --- | RAM CONTAINER | METAL ENCASED, URANIUM OR LEAD SHIELDED CONTAINER FOR RADIOACTIVE MATERIALS |
| 56 | YES | TANK | METAL |
| 57 | YES | TANK | METAL |
| 5A | --- | DRUM METAL | STEEL BARRELS OR DRUMS RHNA |
| 5B | --- | DRUM METAL | STEEL BARRELS OR DRUMS RHA |
| 5C | --- | DRUM METAL | STEEL BARRELS OR DRUMS RHNA |
| 5D | --- | DRUM METAL | STEEL BARRELS OR DRUMS, LINED RHA |
| 5F | --- | DRUM METAL | STEEL DRUM RHNA |
| 5H | --- | DRUM METAL | STEEL BARRELS OR DRUMS, LEAD LINED RHNA |
| 5H1 | --- | BAG PLASTIC | UNLINED OR NON-COATED WOVEN PLASTIC BAG |
| 5H2 | --- | BAG PLASTIC | SIFT PROOF WOVEN PLASTIC BAG |
| 5H3 | --- | BAG PLASTIC | WATER-RESISTANT WOVEN PLASTIC BAG |
| 5H4 | --- | BAG PLASTIC | PLASTIC FILM BAG |
| 5K | --- | DRUM METAL | NICKEL BARRELS OR DRUMS RHNA |
| 5L | --- | DRUM METAL | STEEL BARRELS OR DRUMS RHNA |
| 5L1 | --- | BAG CLOTH | UNLINED OR NON-COATED TEXTILE BAG |
| 5L2 | --- | BAG CLOTH | SIFT PROOF TEXTILE BAG |
| 5L3 | --- | BAG CLOTH | WATER-RESISTANT TEXTILE BAG |
| 5M | --- | DRUM METAL | MONEL DRUMS |
| 5M1 | --- | BAG PAPER | MULTI-WALL PAPER BAG |

| ABBR OR SPEC NO | BULK | TYPE | CONTAINER DESCRIPTION |
|-----------------|------|---------------|---|
| 5M2 | --- | BAG PAPER | MULTI-WALL WATER-RESISTANT PAPER BAG |
| 5P | --- | DRUM METAL | LAGGED STEEL DRUMS RHNA |
| 5X | --- | DRUM METAL | STEEL DRUMS, ALUMINUM LINED RHNA |
| 60 | YES | TANK | STEEL |
| 6A | --- | DRUM METAL | STEEL BARRELS OR DRUMS RHA |
| 6B | --- | DRUM METAL | STEEL BARRELS OR DRUMS RHA |
| 6C | --- | DRUM METAL | STEEL BARRELS OR DRUMS RHA |
| 6D | --- | DRUM METAL | CYLINDRICAL STEEL OVERPACK, STRAIGHT SIDED, FOR INSIDE PLASTIC CONTAINERS |
| 6HA1 | --- | COMPOSITE | PLASTIC RECEPTACLE WITHIN A PROTECTIVE STEEL DRUM |
| 6HA2 | --- | COMPOSITE | PLASTIC RECEPTACLE WITHIN A PROTECTIVE STEEL CRATE OR BOX |
| 6HB1 | --- | COMPOSITE | PLASTIC RECEPTACLE WITHIN A PROTECTIVE ALUMINUM DRUM |
| 6HB2 | --- | COMPOSITE | PLASTIC RECEPTACLE WITHIN A PROTECTIVE ALUMINUM CRATE OR BOX |
| 6HC | --- | COMPOSITE | PLASTIC RECEPTACLE WITHIN A PROTECTIVE WOODEN BOX |
| 6HD1 | --- | COMPOSITE | PLASTIC RECEPTACLE WITHIN A PROTECTIVE PLYWOOD DRUM |
| 6HD2 | --- | COMPOSITE | PLASTIC RECEPTACLE WITHIN A PROTECTIVE PLYWOOD BOX |
| 6HG1 | --- | COMPOSITE | PLASTIC RECEPTACLE WITHIN A PROTECTIVE FIBER DRUM |
| 6HG2 | --- | COMPOSITE | PLASTIC RECEPTACLE WITHIN A PROTECTIVE FIBERBOARD BOX |
| 6HH | --- | COMPOSITE | PLASTIC RECEPTACLE WITHIN A PROTECTIVE PLASTIC DRUM |
| 6J | --- | DRUM METAL | STEEL BARRELS OR DRUMS RHA |
| 6K | --- | DRUM METAL | STEEL BARRELS OR DRUMS RHA |
| 6L | --- | RAM CONTAINER | METAL PACKAGING |
| 6M | --- | RAM CONTAINER | METAL PACKAGING |
| 6PA1 | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE STEEL DRUM |
| 6PA2 | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE STEEL CRATE OR BOX |
| 6PB1 | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE ALUMINUM DRUM |
| 6PB2 | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE ALUMINUM CRATE OR BOX |
| 6PC | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE WOODEN BOX |
| 6PD1 | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE PLYWOOD DRUM |
| 6PD2 | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE WICKER WORK HAMPER |
| 6PG1 | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE FIBER DRUM |
| 6PG2 | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE FIBERBOARD BOX |
| 6PH1 | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE EXPANDED PLASTIC PACKAGING |
| 6PH2 | --- | COMPOSITE | GLASS, PORCELAIN OR STONEWARE RECEPTACLE WITHIN A PROTECTIVE SOLD PLASTIC PACKAGING |
| 7A | --- | RAM CONTAINER | GENERAL PACKAGING, FOR TYPE A RADIOACTIVE MATERIALS |
| 8 | --- | CYLINDER | STEEL FOR ACETYLENE |
| 8AL | --- | CYLINDER | STEEL FOR ACETYLENE |
| 9 | --- | CYLINDER | NON-REFILLABLE METAL CONTAINERS |
| BAG CLTH | --- | BAG CLOTH | CLOTH OR BURLAP BAG (CONT1 FOR SOLID MATERIALS) |
| BAG PLS | --- | BAG PLASTIC | PLASTIC BAG (CONT1 FOR SOLID MATERIALS) |
| BAG PPR | --- | BAG PAPER | PAPER BAG (CONT1 FOR SOLID MATERIALS) |
| BAGGAGE | --- | OTHER | PACKAGES OR CONTAINERS CHECKED ON BOARD AN AIRCRAFT BY A PASSENGER IN ADDITION TO LUGGAGE |
| BARGE | YES | OTHER | BARGE (USE ONLY IF SPILL OCCURRED DURING LOADING OR UNLOADING) |

| ABBR. OR SPEC NO | BULK | TYPE | CONTAINER DESCRIPTION |
|------------------|------|-----------------|--|
| BARREL W | --- | BARREL/KEG WOOD | WOODEN BARREL (CONT1 FOR SOLID MATERIALS) |
| BATTERY | --- | INSIDE CONTAIN | CONTAINER FOR ACID SPILLED FROM BATTERY. |
| BE-27 | YES | CYLINDER BULK | CYLINDER, 150 TO 2000 POUNDS WATER VOLUME FOR RAIL TRANSPORT ONLY |
| BIN PORT | YES | OTHER | PORTABLE BIN (CONT1 FOR SOLID MATERIALS) |
| BLANK | --- | OTHER | REPORTER LEFT CONTAINER BLANK |
| BOTL | --- | BOTTLE | BOTTLE, PLASTIC OR GLASS NOT SPECIFIED, CAPACITY 2 GALLONS OR LESS |
| BOTL GLS | --- | BOTTLE | GLASS BOTTLE, CAPACITY 2 GALLONS OR LESS |
| BOTL PLS | --- | BOTTLE | PLASTIC BOTTLE, CAPACITY 2 GALLONS OR LESS |
| BOX | --- | BOX | BOX, WOOD OR FIBERBOARD NOT SPECIFIED |
| BOX FBR | --- | BOX FIBER | FIBERBOARD BOX OR CARTON |
| BOX MTL | --- | BOX METAL | METAL BOX |
| BOX WOOD | --- | BOX WOOD | WOODEN BOX |
| CAGE | --- | OTHER | CAGE MADE OF WOODEN FRAME WITH WIRE COVER (CONT2 ONLY) |
| CAN | --- | CAN | CAN, OTHER THAN METAL OR ALUMINUM |
| CAN AERO | --- | CAN | AEROSOL CAN (CONTENTS UNDER PRESSURE) |
| CAN ALUM | --- | CAN | ALUMINUM CAN |
| CAN FBR | --- | CAN | FIBERBOARD CAN |
| CAN MTL | --- | CAN | METAL CAN, CAPACITY 7 GALLONS OR LESS |
| CARBOY | --- | CARBOY | CARBOY, OTHER THAN GLASS OR PLASTIC OR MATERIAL UNSPECIFIED, CAPACITY 5 GALLONS OR MORE |
| CARBOY G | --- | CARBOY | GLASS CARBOY, CAPACITY 5 GALLONS OR MORE |
| CARBOY P | --- | CARBOY | PLASTIC CARBOY, CAPACITY 5 GALLONS OR MORE |
| CARTON P | --- | CONTAINER | PLASTIC CARTON OR BOX (CONT2 PRIMARILY) |
| CONT | --- | CONTAINER | CONTAINER, NO DESCRIPTION GIVEN (DO NOT USE IF AT ALL POSSIBLE) |
| CONT GLS | --- | INSIDE CONTAIN | GLASS CONTAINER, NO CAPACITY OR DESCRIPTION GIVEN |
| CONT LD | --- | RAM CONTAINER | LEAD CONTAINER USED AS SHIELDING FOR INNER CONTAINER OF RADIOACTIVE MATERIALS |
| CONT PLS | --- | INSIDE CONTAIN | PLASTIC CONTAINER, NO CAPACITY OR DESCRIPTION GIVEN |
| CONT STY | --- | OTHER | MOLDED STYROFOAM OVERPACK FOR BOTTLES, JUGS OR CARBOYS |
| CYL | --- | CYLINDER | CYLINDER, A PRESSURE VESSEL FOR COMPRESSED GASES |
| CYL MTL | --- | OTHER | CYLINDRICAL METAL CONTAINER, NOT FOR COMPRESSED GASES (i.e., NOT A PRESSURE VESSEL) |
| DRUM | --- | DRUM | DRUM - FIBER, METAL OR PLASTIC, NOT SPECIFIED |
| DRUM FBR | --- | DRUM NON-METAL | FIBER DRUM, CONT1 FOR SOLIDS, CONT2 FOR LIQUIDS |
| DRUM MTL | --- | DRUM METAL | METAL DRUM |
| DRUM PLS | --- | DRUM NON-METAL | PLASTIC DRUM |
| DRUM RBR | --- | DRUM NON-METAL | RUBBER DRUM |
| FLASK ST | --- | OTHER | STEEL OR IRON FLASK FOR THE SHIPMENT OF MERCURY |
| HOPPER R | YES | HOPPER | RAIL HOPPER CAR FOR SOLID MATERIALS ONLY |
| HOPPER T | YES | HOPPER | HIGHWAY HOPPER TRAILER FOR SOLID MATERIALS ONLY |
| ICC-27 | YES | CYLINDER BULK | CYLINDER, 1700 POUNDS WATER VOLUME FOR RAIL TRANSPORT ONLY |
| IM101 | YES | TANK INTERMODAL | CARGO TANK |
| IM102 | YES | TANK INTERMODAL | CARGO TANK |
| JAR | --- | JAR | JAR, GLASS, PLASTIC OR EARTHENWARE, NOT SPECIFIED |
| JAR GLS | --- | JAR | GLASS JAR |
| JAR PLS | --- | JAR | PLASTIC JAR |
| JUG | --- | JUG | JUG, GLASS OR PLASTIC, NOT SPECIFIED, CAPACITY MORE THAN 2 GALLONS AND LESS THAN 5 GALLONS |
| JUG GLS | --- | JUG | GLASS JUG, CAPACITY MORE THAN 2 GALLONS AND LESS THAN 5 GALLONS |
| JUG PLS | --- | JUG | PLASTIC JUG, CAPACITY MORE THAN 2 GALLONS AND LESS THAN 5 GALLONS |

CONTAINER ABBREVIATIONS AND SPECIFICATION NUMBERS

| ABBR OR SPEC NO | BULK | TYPE | CONTAINER DESCRIPTION |
|--------------------|------|-----------------|--|
| KEG MTL | --- | KEG METAL | METAL KEG |
| KEG WOOD | --- | BARREL/KEG WOOD | WOODEN KEG |
| LINR PLS | --- | INSIDE CONTAIN | PLASTIC LINER FOR FIBER DRUMS AND BOXES OR METAL DRUMS CONTAINING LIQUIDS |
| LUGGAGE | --- | OTHER | PASSENGER LUGGAGE ON BUS OR AIRCRAFT |
| MC200 | --- | OTHER | FOR LIQUID NITROGLYCERIN OR DIETHYLENE GLYCOL DINITRATE |
| MC201 | --- | OTHER | CONTAINER FOR BLASTING CAPS |
| MC300 | YES | TANK | CARGO TANK |
| MC301 | YES | TANK | CARGO TANK |
| MC302 | YES | TANK | CARGO TANK |
| MC303 | YES | TANK | CARGO TANK |
| MC304 | YES | TANK | CARGO TANK |
| MC305 | YES | TANK | CARGO TANK |
| MC306 | YES | TANK | CARGO TANK |
| MC307 | YES | TANK | CARGO TANK |
| MC310 | YES | TANK | CARGO TANK |
| MC311 | YES | TANK | CARGO TANK |
| MC312 | YES | TANK | CARGO TANK |
| MC330 | YES | TANK | CARGO TANK |
| MC331 | YES | TANK | CARGO TANK |
| MC338 | YES | TANK CRYO | CARGO TANK FOR CRYOGENIC LIQUIDS |
| MIL ORD | --- | MIL ORD | MILITARY ORDNANCE, AMMUNITION (INCLUDING BOMB, TORPEDOES, ETC.) |
| NONE | --- | OTHER | USED ON BATTERY REPORTS WHEN REPORTER STATED NO PACKAGING USED |
| PAIL | --- | PAIL | PAIL, OPEN HEAD, CAPACITY 10 GALLONS OR LESS |
| PAIL MTL | --- | DRUM METAL | METAL PAIL, OPEN HEAD, CAPACITY 10 GALLONS OR LESS |
| PAIL PLS | --- | DRUM NON-METAL | PLASTIC PAIL, OPEN HEAD, CAPACITY 10 GALLONS OR LESS |
| PALLET | --- | OTHER | PALLET, USED ONLY FOR BATTERY REPORTS WHEN NO OTHER CONTAINER GIVEN |
| TANK | YES | TANK | NON-PORTABLE TANK |
| TANK CAR | YES | TANK CAR | RAILROAD TANK CAR |
| TANK PRT | YES | TANK | PORTABLE TANK |
| TANK RBR | YES | TANK | PORTABLE RUBBER TANK |
| TANK STG | YES | TANK | STORAGE TANK |
| TANK TRK | YES | TANK | TANK TRUCK, TANK MOUNTED ON TRUCK CHASSIS |
| TANK TRL | YES | TANK | TANK TRAILER, SEMI-TRAILER OR FULL TRAILER (TWO AXLES) |
| TUBE | --- | TUBE | SQUEEZE TUBE |
| TUBE FBR | --- | TUBE | FIBER TUBE |
| TUBE GLS | --- | TUBE | GLASS TUBE |
| TUBE MAL | --- | TUBE | MAILING TUBE, FIBERBOARD |
| TYPE A | --- | RAM CONTAINER | TYPE A CONTAINER FOR RADIOACTIVE MATERIALS |
| TYPE B | YES | RAM CONTAINER | TYPE B CONTAINER FOR RADIOACTIVE MATERIALS (INCLUDES SMALL PACKAGES THRU LARGE CASKS) |

CONTAINER FAILURE CODES

ACTION CONTRIBUTING TO PACKAGING FAILURE

- 1 Transport Vehicle Collision
- 2 Transport Vehicle Overturn
- 3 Overloading/Overfilling
- 4 Loose Fittings, Valves
- 5 Defective Fittings, Valves
- 6 Dropped
- 7 Struck/Rammed
- 8 Improper Loading
- 9 Improper Blocking
- 10 Corrosion
- 11 Metal Fatigue
- 12 Friction/Rubbing
- 13 Fire/Heat
- 14 Freezing
- 15 Venting
- 16 Vandalism
- 17 Incompatible Materials
- 18 Other

OBJECT CAUSING FAILURE

- 19 Other Freight
- 20 Forklift
- 21 Nail/Protrusion
- 22 Other Transport Vehicle
- 23 Water/Other Liquid
- 24 Ground/Floor/Roadway
- 25 Roadside Obstacle
- 26 None
- 27 Other

HOW PACKAGE(S) FAILED

- 28 Punctured
- 29 Cracked
- 30 Burst/Internal Pressure
- 31 Ripped
- 32 Crushed
- 33 Rubbed/Abraded
- 34 Ruptured
- 35 Other

CONTAINER FAILURE CODES (cont'd)

PACKAGE AREA THAT FAILED

- 36 End, Forward
- 37 End, Rear
- 38 Side, Right
- 39 Side, Left
- 40 Top
- 41 Bottom
- 42 Center
- 43 Other

WHAT FAILED ON PACKAGE(S)

- 44 Basic Package Material
- 45 Fitting/Valve
- 46 Closure
- 47 Chime
- 48 Weld/Seam
- 49 Hose/Piping
- 50 Inner Liner
- 51 Other

NOTE: ENTRIES CONTAINING AN "*" HAVE MORE THAN 16 FAILURE CODES FOR THIS CONTAINER

TO: HARPREET SINGH
FROM: BILL HOUSEHOLDER
DATE: OCTOBER 17, 1995
SUBJECT: RAILCAR EXEMPTION APPROVAL

MS. SINGH,

YESTERDAY I TYPED THE ATTACHED LETTER AT DON HILTS RECOMMENDATION TO PROVIDE YOU WITH THE INFORMATION I DISCUSSED ON THE TELEPHONE. AT THAT TIME I WAS JUST STARTING THE PROCESS OF OBTAINING INFORMATION HOW TO PROCEED TO OBTAIN APPROVAL FOR RAILCAR (S) TO TEMPORARY REPLACE OUR PRESENT CAR UTLX 82329. THE CAR WAS INVOLVED WITH CONTAMINATED MATERIAL AND WILL NOT BE AVAILABLE FOR USE FOR 2-3 MONTHS. MY FIRST APPROACH WAS TO TEMPORARILY SEEK APPROVAL FOR USE OF A DODX CAR LISTED IN MY OTHER NOTE.

AT THIS TIME I AM INTERESTED IN PURSUING A SHORT TERM AND A LONG TERM SOLUTION TO MY PROBLEM OF HAVING N2O4 TRANSPORTED TO OUR PLANT. THE SHORT TERM SOLUTION IS TO HAVE A DODX CAR LISTED ON THEIR SPECIAL APPROVAL TEMPORARILY ASSIGNED TO OUR EXEMPTION APPROVAL. OF COURSE I WOULD NEED DOD'S APPROVAL FOR USE OF THEIR CAR IF I COULD GET A CAR ASSIGNED TO OUR EXEMPTION PERMIT. I AM WORKING ON THAT ALSO.

A LONG TERM PROGRAM WAS TO OBTAIN A RAILCAR OR TWO CARS THAT WOULD EVENTUALLY REPLACE OUR UTLX 82329. WITH THE CURRENT PROBLEM, THIS PRIORITY BECOMES MUCH MORE IMPORTANT IN THAT 82329 MAY BE UNAVAILABLE OR UNUSABLE. WE HAVE TWO CARS OF DOT 105A500 CONSTRUCTION IN OUR FLEET OF CARS AND ARE INTERESTED IN HAVING ONE AND PROBABLY BOTH CARS CONSIDERED FOR EXEMPTION APPROVAL. THE TWO CARS, UTLX 27972 AND UTLX 27976, ARE CURRENTLY IN USE TO SHIP AND STORE OUR PRODUCT BUT HAD ALREADY DEVELOPED A PROGRAM TO HAVE ALL THE VALVES, LABELS, ETC. UPDATED TO MEET THE REQUIREMENTS FOR NITROGEN TETROXIDE (N2O4).

PLEASE CONSIDER BOTH APPROACHES FOR POSSIBLE SOLUTIONS TO OUR CURRENT TRANSPORTATION PROBLEM. SINCE THIS IS MY FIRST COMMUNICATIONS AND EFFORT TO CHECK INTO THE PROCESS REQUIRED TO SEEK APPROVAL, PLEASE LET ME KNOW THE PROCESS AND WHAT I MAY NEED TO DO TO ASSIST YOU IN CONSIDERING OUR REQUEST.

YOUR ASSISTANCE IS APPRECIATED AND I AM READY TO GIVE YOU ANY INFORMATION YOU MAY NEED.

BILL

95

OCTOBER 16, 1995
12:05 PM

JAMES ENOCH JONES
CHIEF APPROVALS BRANCH
EXEMPTIONS AND APPROVALS DIVISION
OFFICE OF HAZMAT TRANSPORTATION

MR. JONES,

I JUST COMPLETED A CALL TO DENNIS AND HE RECOMMENDED WE PUT THE INFORMATION AND REQUEST IN WRITING AND FAX IT TO YOU FOR REVIEW. ANY ASSISTANCE YOU CAN PROVIDE IN THE FOLLOWING MATTER WOULD BE VERY HELPFUL.

I AM BILL HOUSEHOLDER, PLANT MANAGER, GAYLORD CHEMICAL CORPORATION, BOGALUSA, LA. OUR PLANT HAS A SPECIAL APPROVAL TO SHIP N2O4 BY RAILCAR UTLX 82329 FROM VICKSBURG CHEMICAL COMPANY TO OUR SITE IN LOUISIANA. THE SPECIAL PERMIT IS SA-830307. TOBY FRIERSON HAS WORKED WITH YOU IN THE PAST IN THE ANNUAL UPDATE OF THIS PERMIT. TOBY AND I ARE WORKING TOGETHER ON THIS REQUEST.

LAST WEEK WE RECEIVED THE RAILCAR FROM VICKSBURG WITH CONTAMINATED MATERIAL. THIS REQUIRED US TO CURTAIL OPERATION UNTIL WE CAN OBTAIN A SHIPMENT OF N2O4 FROM THEM. CURRENTLY THE DEPT. OF DEFENSE IS THE ONLY OTHER GROUP WHO HAS SPECIAL PERMIT APPROVED CARS. THERE ARE THREE EMPTY CARS AT VICKSBURG CHEMICAL, DODX 7007, DODX 7003, DODX 7002 THAT THEY COULD LOAD AND SHIP TO US IN ONE DAY. I HAVE TALKED WITH PERSONNEL AT KELLY AIR FORCE BASE ON 10/13/95 WHO ORDER AND ARRANGE TRANSPORTATION AND THEY ARE WILLING TO HELP BUT ARE NOT SURE IF THEY CAN BECAUSE OF THE LIMITATIONS AND PERMIT STIPULATIONS. I HAVE NOT TALKED WITH THEM SINCE I HAVE LEARNED ABOUT THE CARS AT VICKSBURG. I AM NOT SURE IF MY FIRST CONTACT SHOULD BE WITH YOU OR THEM BUT I DECIDED TO START WITH YOU SINCE YOU WERE FAMILIAR WITH OUR PERMIT.

WITH OUR OPERATION BEING CURTAILED AND A NEED TO RESUME OPERATION AS SOON AS POSSIBLE, I AM INTERESTED IN PURSUING THE TRANSFER OF ONE OF THE GOVT. APPROVED CARS FROM THEIR PERMIT TO OUR PERMIT FOR 1-2 MONTHS. I AM INTERESTED TO KNOW IF THIS IS POSSIBLE AND IF SO, HOW DO I PROCEED TO GET THE NECESSARY APPROVALS? WHAT GROUPS WOULD NEED TO BE CONTACTED FOR THIS APPROVAL?

THIS IS A VERY IMPORTANT MATTER FOR US AND REALIZE THE LIMITED RESOURCES WE HAVE IN OBTAINING THE N2O4 SO ANY HELP YOU COULD GIVE US WOULD BE APPRECIATED.

BILL HOUSEHOLDER
PLANT MANAGER
GAYLORD CHEMICAL CORPORATION
BOGALUSA, LA
1-504-732-6305 SECRETARY: 1-504-732-6301 OR 1-504-732-6304
1-504-732-5301 FAX