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1 (3)

From: National Response Center
USCG HQ Washington, D.C.
1-800-424-8802 FTS 202-267-2675

To: MS WISS
RSPA OFFICE HAZARDOUS MATERIALS
Incident Report # 311710

INCIDENT DESCRIPTION

*Report taken by MST3 BLANCHARD at 06:11 on 24-OCT-95, Incident Type: RAILROAD

Incident Cause: EQUIPMENT FAILURE
Affected Area: ATMOSPHERE
The incident occurred on 23-OCT-95 at 16:15 local time.
Affected Medium: AIR

REPORTING PARTY

Name: MARK MJONESS
Organization: EPA-ERD

Day Phone: (703) 6038870
Type of Organization: FEDERAL GOV'T

SUSPECTED RESPONSIBLE PARTY

Name: UNKNOWN
Organization: GAYLORD CHEMICALS
BOUGALUSA, LA

Type of Organization: PRIVATE ENTERPRISE

INCIDENT LOCATION

DOWNTOWN
BOUGALUSA, LA County: WASHINGTON

RELEASED MATERIAL(S)

SOURCE/CAUSE OF INCIDENT

RAILROAD(S)

Railroad Involved: UNKNOWN

Train Number: N/A

DAMAGE

Injuries: Fatalities: Evacuations: Damages: Air Close: Road Close:
4000 N N

REMEDIAL ACTIONS

WILL NEUTRALIZE WITH CAUSTIC

NOTIFICATIONS BY CALLER

NOTIFICATIONS BY NRC

U. S. EPA VI		MR FISHER
24-OCT-95	06:44	
MSO NEW ORLEANS		PO METZLER
24-OCT-95	06:45	
GULF STRIKE TEAM		DUTY OFFICER
24-OCT-95	06:46	
24-OCT-95	06:47	

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NOTIFICATIONS BY NRC

NTSB HIGHWAY

FEDERAL RAILROAD ADMIN.

FEDERAL EMERGENCY MANAGEMENT AGENCY	MR SULLIVAN
24-OCT-95 06:48	
EPA EMERGENCY RESPONSE DIVISION	MR MJONES
24-OCT-95 06:49	
OCCUPATIONAL SAFETY & HEALTH ADMIN	MR CURTIS
24-OCT-95 08:58	
AGCY TOXIC SUBST & DISEASE REGISTRY	MR NICKOLS
24-OCT-95 06:52	
RSPA OFFICE HAZARDOUS MATERIALS	MS WISS

ADDITIONAL INFORMATION

GENERIC / UPDATE QUESTIONS & ANSWERS

1. WHAT WAS THE ORIGINAL CALL NUMBER?
311690
2. ADDITIONAL INFORMATION
MATERIAL RELEASED WAS NITRIC ACID / MATERIAL WAS BEING NEUTRALIZED AND
BECAME MORE CORROSIVE / TANK IMPLoded DUE TO A FAILED 350 PSI PRESSURE
DOME / PLUME SIZE UNKNOWN / AIR SAMPLES = 1.4 PPM / 3000-4000 PEOPLE
EVACUATED / LOCAL ICU AT HOSPITAL EVACUATED
3. ADDITIONAL INFORMATION
EVACUATED / LOCAL ICU AT HOSPITAL EVACUATED

Information Bulletin
for the Administrator, RSPA

Subject: Railroad incident
Date & time activity occurred: 10/23/95 at 16:15 local time
Location: Downtown Bogalusa, LA (Washington county)
Date and time info rec'd.: 10/24/95 at 6:11 by MST3 Blanchard
Details: The nitric acid released from the rail tank car was being neutralized and became more corrosive. The tank imploded due to a failed 350 psi pressure dome. The plume size is unknown. Air samples are 1.4 ppm. About 4,000 people have been evacuated although no major roads have been closed.

Deaths/Injuries: 0	Evacuation Made?: 4,000 people
HazMat Involved? Yes	Chemical Name: Nitric acid
Hazmat in the Water? No	

Policy/Programmatic Issues:
RSPA Actions:
Notification made to: US EPA VI Mr. Fisher; MSO New Orleans PO Metzler; Gulf Strike Team Duty Officer; Federal Railroad Administration; FEMA Mr. Sullivan; EPA ERDA Mr. Mjones; OSHA Mr. Curtis; ATSDR MR. Nickols; RSPA Ms. Ann Weiss
Prepared by: Ann Weiss 10/23/95 6-2229



Situation Report
Tank Car Incident - Bogalusa, Louisiana

October 24, 1995
10:00 am EDT

GENERAL:

At approximately 4:15 pm on October 23, 1995 a DOT Specification 105A500W tank car containing nitrogen tetroxide failed, resulting in the release of the material within the Gaylord Chemical facility and causing an evacuation in Bogalusa, Louisiana. Preliminary reports indicate the incident was caused by contamination of the material by water.

BACKGROUND:

- o The tank car was found contaminated by plant personnel on October 17, 1995. The tank car was not in transportation.
- o The plant unloaded as much of the product as possible into stainless steel cargo tanks for temporary storage. However, the residue continued to react, causing the failure of the tank car.
- o There were no fatalities; however several injuries were reported.
- o Approximately 4,000 people were evacuated, including a local hospital. Reports indicate that the evacuation will remain in effect until the tank car is deemed safe.

DEPARTMENT OF TRANSPORTATION ACTIONS:

- o All information is being coordinated with the Federal Railroad Administration (FRA), Office of Safety Enforcement. FRA has investigators enroute to the scene as well as to the material supplier (Vicksburg Chemical).
- o An NTSB team is investigating the accident, and FRA has been invited to assist.

Source: Office of Hazardous Materials Safety

Contact: Robert McGuire, OHMS
(202) 366-0656

Prepared by: Charles Hochman, OHMS
(202) 366-4545



US Department
of Transportation

**Research and
Special Programs
Administration**

400 Seventh Street S W
Washington D C 20590

Situation Report #2
Tank Car Incident - Bogalusa, Louisiana

October 24, 1995
5:00 pm EDT

ADDITIONAL INFORMATION:

- o While there are no reports of death or serious injury, 150 people have been treated for exposure to the material and released; there are unconfirmed reports of an additional 400 persons exposed.
- o The US EPA is on scene and is coordinating response efforts with State and local authorities.
- o The DOT 105A500W tank car is still releasing vapors. No estimate has been made when the event will be resolved or the evacuation lifted.
- o Gaylord Chemical is currently storing the material from the leaking tank car in five DOT 407 cargo tank motor vehicles. At the direction of the EPA, the material will be transferred to rail tank cars.
- o DOD will lend Vicksburg Chemical, the manufacturer of the material, two DOT 105J500W tank cars to transport the material back to Vicksburg Chemical for reprocessing.
- o The DOD tank cars will be moved to Bogalusa on October 25th and be kept on a rail spur until the situation is stabilized. It is estimated that the material will be transferred into the tank cars early next week.
- o Both DOD and FRA have contacted the two rail carriers who will be involved to coordinate the move.

DEPARTMENT OF TRANSPORTATION ACTIONS:

- o Gaylord Chemical or Vicksburg Chemical will contact RSPA for authorization to move the product to Vicksburg Chemical. RSPA will coordinate with FRA and on scene authorities to ensure the safety of this operation.

Source: Office of Hazardous Materials Safety

Contact: Robert McGuire, OHMS
(202) 366-0656

Prepared by: Charles Hochman, OHMS
(202) 366-4545



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**Research and
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Situation Report #3
Tank Car Incident - Bogalusa, Louisiana

October 25, 1995
11:00 am EDT

Mike Ryan, EPA on scene coordinator, reported that emergency response was finished at 5:30 am today and that evacuation was lifted at 6:30 am.

ADDITIONAL BACKGROUND INFORMATION:

- o Gaylord Chemical contacted Vicksburg Chemical, the material supplier, on October 12th and stated that they had a problem with their production line.
- o Gaylord Chemical had pumped material from their production line into their 20,000 gallon storage tank. Some of that material was then transferred back into the tank car, contaminating the product. Gaylord requested that Vicksburg analyze a sample of the contaminated material. The analysis showed that the material contained nitric acid.
- o Vicksburg Chemical sent their emergency response team to assist Gaylord on October 12th and started to empty the tank car. However, material ate through tank car shell before transfer was completed.
- o Material is presently contained in five stainless steel DOT 407 cargo tanks. State authorities will not allow any material to be moved off-site in the cargo tanks. Cargo tanks will be weighed to determine amount of material to be transferred into rail cars borrowed from DOD.

DEPARTMENT OF TRANSPORTATION ACTIONS:

- o EPA, FRA and RSPA are discussing RSPA's procedures for approval to move the DOD tank cars to Bogalusa. RSPA is coordinating with FRA to expedite the necessary approval.

Source: Office of Hazardous Materials Safety

Contact: Robert McGuire, OHMS
(202) 366-0656

Prepared by: Charles Hochman, OHMS
(202) 366-4545



US Department of Transportation
Research and Special Programs Administration

400 Seventh Street S.W.
Washington D.C. 20590

Situation Report #4
Tank Car Incident - Bogalusa, Louisiana

October 26, 1995
4:00 pm EDT

ADDITIONAL BACKGROUND INFORMATION:

- o Louisiana State Police are in charge of the accident investigation.
- o This afternoon helicopters will take additional aerial photographs of the scene and emergency response personnel in protective clothing will attempt to approach and photograph the tank car.

DEPARTMENT OF TRANSPORTATION ACTIONS:

- o RSPA issued EPA an approval to move the DOD tank cars to Bogalusa on October 25th. The tank cars will be used to move the material off site.
- o OHMS is working with FRA and NTSB to determine the accident causation and possible hazardous materials violations.
- o FRA field staff is working on NTSB investigation teams looking at various aspects of this accident.
- o RSPA, FRA and Gaylord Chemical are discussing RSPA's procedures for approval to move the DOD tank cars to Vicksburg. RSPA is coordinating with FRA to expedite the necessary approval.

Source: Office of Hazardous Materials Safety

Contact: Robert McGuire, OHMS
(202) 366-0656

Prepared by: Charles Hochman, OHMS
(202) 366-4545

BRIEF PROFILE OF NITROGEN TETROXIDE

Nitrogen tetroxide is an equilibrium mixture of nitrogen tetroxide and nitrogen dioxide. The boiling point of the equilibrium mixture is 70.1 F. Nitrogen tetroxide is a volatile reddish-brown liquid. It is a strong oxidizing agent.

Nitrogen tetroxide reacts with water to form nitric and nitrous acids. The nitrous acid decomposes forming additional nitric acid and evolving nitric oxide (NO). Nitrogen tetroxide will not burn but will support combustion. It may react violently with many organic materials (hydrocarbon lubricants) and halogenated solvents. It reacts with metals to form nitrate salts.

Dry nitrogen tetroxide at ambient temperature is not corrosive to most common metals. Selection of metals for services of nitrogen tetroxide is governed by the moisture content in the nitrogen tetroxide. Generally, when the moisture content is 0.1 % or less the following metals are suitable: carbon steel, aluminum, stainless steel, nickel etc. When the moisture content is above 0.1 % only stainless steel of the 300 series should be used.

Nitrogen tetroxide is identified as a Zone A, PIH (poison inhalation hazard) gas in DOT's hazardous materials regulation. The poisonous effects of this material are often delayed in that the initial symptoms are slight and may not be noticed. The latent poison hazard, if not recognized, may lead to fatal consequences.

THE TELEPHONIC / ERNS REPORT GENERATOR

DATE: 10/24/1995

PAGE: 1

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REPORT ID : 458552 REPORT DATE/TIME: 10/23/1995 1918 SOURCE : N
 DATE OF INCIDENT : 10/23/1995 TIME: 1615 STATE : LA MODE : F
 SPILL LOCATION : BOUGALUSA LA COUNTY: WASHINGTON
 MATERIAL SPILLED: NITROGEN TERTROXIDE AMOUNT:

FATALITIES : 0 INJURIES: 0 PROPERTY DAMAGE: \$0.
 EVACUATION? : N NUMBER EVACUATED: 0
 ROAD CLOSED?: N FLIGHT PATTERN ALTERED?: N

SPILLER CONTACT : UNKNOWN, REPORTED BY SPILLER: N
 SPILLER COMPANY : GAYLORD CHEMICAL
 COMPANY ADDRESS :
 CALLER : FISHER, CHARLES
 CALLER COMPANY : EPA VI
 COMPANY ADDRESS : ADDRESS NOT GIVEN

DESCRIPTION : A TRANSFER OF MATERIAL HAS CAUSED A RAIL CAR TO EMPLODE
 REMEDIAL ACTION : FIRE DEPT IS ON SCENE/WATER IS BEING APPLIED
 TIME NRC CALLED; EPA OSC: 1936
 COAST GUARD OSC: 1935
 AGENCIES NOTIFIED BY NRC; TIME: 1935
 AGENCIES: NTSB_RAIL DOT_FRA FEMA ATSDR OSHA
 CALLER CALLED : STATE/LOCAL STATE POLICE,DEQ
 OTHER INFORMATION: THERE IS AN UNKNOWN AMT OF EVACUATIONS TO EMPLOYEES AND
 CITIZENS THERE ARE AN UNKNOWN AMT OF INJURIES REPORTED

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REPORT ID : 458557 REPORT DATE/TIME: 10/23/1995 2040 SOURCE : N
 DATE OF INCIDENT : 10/23/1995 TIME: 1600 STATE : LA MODE : F
 SPILL LOCATION : BOGALUSA LA COUNTY: WASHINGTON
 420 WILLIS AVE
 MATERIAL SPILLED: NITROGEN TETROXIDE AMOUNT:
 MATERIAL SPILLED: NITROGEN DIOXIDE AMOUNT:

FATALITIES : 0 INJURIES: 3 PROPERTY DAMAGE: \$0.
 EVACUATION? : N NUMBER EVACUATED: 0
 ROAD CLOSED?: N FLIGHT PATTERN ALTERED?: N

SPILLER CONTACT : FERGUSON, JOHN REPORTED BY SPILLER: Y
 SPILLER COMPANY : GAYLORD CHEMICAL
 COMPANY ADDRESS : 420 WILLIS AVE
 BOGALUSA, LA, 70427, 504-732-6300

DESCRIPTION : RAIL CAR (# UNKNOWN)/AT 1600 THE TANK CAR DEVELOPED A LEAK
 AT 1645 THE TANK CAR FAILED AND CREATED A CATASTROPHIC
 RELEASE OF VAPO
 REMEDIAL ACTION : RELEASE IS ON GOING(THE WORST IS OVER)/USING WATER TO
 MITIGATE THE VAPORS
 TIME NRC CALLED; EPA OSC: 2116
 COAST GUARD OSC:
 AGENCIES NOTIFIED BY NRC; TIME:
 AGENCIES:
 CALLER CALLED : LEPC
 OTHER INFORMATION: THERE WAS A EVACUATION TO RESIDENTS IN A 1 SQUARE MILE AREA
 WILL NOTIFY:DEQ, EPA

TABLE OF INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID#	NAME OF MATERIAL	SMALL SPILLS (From a small package or small leak from a large package)			LARGE SPILLS (From a large package or from many small packages)		
		First ISOLATE in all Directions (Feet)	Then, PROTECT persons DOWNWIND		First ISOLATE in all Directions (Feet)	Then, PROTECT persons DOWNWIND	
			DAY (Miles)	NIGHT (Miles)		DAY (Miles)	NIGHT (Miles)
1062	METHYL BROMIDE	500	0.1	0.4	500	0.3	2.1
1064	METHYL MERCAPTAN	500	0.1	0.4	500	0.3	2.0
1067	DINITROGEN TETROXIDE, liquefied	500	0.1	0.4	500	0.7	2.8
1067	NITROGEN DIOXIDE, liquefied	500	0.1	0.4	500	0.7	2.8
1067	NITROGEN PEROXIDE	500	0.1	0.4	500	0.7	2.8
1067	NITROGEN TETROXIDE	500	0.1	0.4	500	0.7	2.8
1069	NITROSYL CHLORIDE	500	0.3	2.1	1000	1.8	3.9
1071	OIL GAS	500	0.3	2.1	1500	2.2	4.3
1076	PHOSGENE	500	0.6	2.6	1500	3.2	5.5
1079	SULFUR DIOXIDE	500	0.5	2.5	1500	2.0	4.1
1079	SULFUR DIOXIDE, liquefied	500	0.5	2.5	1500	2.0	4.1
1082	TRIFLUOROCHLOROETHYLENE	500	0.1	0.4	500	0.3	2.1
1082	TRIFLUOROCHLOROETHYLENE, inhibited	500	0.1	0.4	500	0.3	2.1
1092	ACROLEIN, inhibited	500	1.0	3.1	1000	1.8	3.9
1098	ALLYL ALCOHOL	500	0.1	0.8	500	0.3	2.2
1135	ETHYLENE CHLOROHYDRIN	500	0.1	0.5	500	0.1	1.0
1143	CROTONALDEHYDE, inhibited	500	0.1	0.1	500	0.1	0.6
1143	CROTONALDEHYDE, stabilized	500	0.1	0.1	500	0.1	0.6
1163	DIMETHYLHYDRAZINE, unsymmetrical	500	0.1	1.4	1500	2.1	4.2
1182	ETHYL CHLOROFORMATE	500	0.1	1.2	500	0.2	1.5
1185	ETHYL MERCAPTAN, inhibited	500	0.5	2.5	500	0.2	2.3
1238	METHYL CHLOROCARBONATE	500	0.2	1.4	500	0.2	1.8
1238	METHYL CHLOROFORMATE	500	0.2	1.4	500	0.2	1.8
1239	METHYL CHLOROMETHYLETHYLE	500	0.1	1.1	500	0.1	2.1
1244	METHYLHYDRAZINE	500	0.8	1.0	1500	3.1	5.3
1251	METHYL VINYL KETONE	1000	1.3	3.4	1500	2.0	4.1
1259	NICKEL CARBONYL	1500	2.1	4.2	1500	4.4	7.0
1380	PERFLUOROCARBON	1000	1.2	1.1	1500	3.3	5.6

TABLE OF INITIAL ISOLATION AND PROTECTIVE ACTION DISTANCES

ID#	NAME OF MATERIAL	First ISOLATE in all Directions (Feet)
1510	TETRANITROMETHANE	500
1541	ACETONE CYANOHYDRIN, stabilized	500
1545	ALLYL ISOTHIOCYANATE, inhibited	500
1545	ALLYL ISOTHIOCYANATE, stabilized	500
1556	METHYLDICHLOROARSINE	500
1560	ARSENIC CHLORIDE	1500
1560	ARSENIC TRICHLORIDE	1500
1569	BROMOACETONE	500
1580	CHLOROPICRIN	500
1581	CHLOROPICRIN and METHYL BROMIDE MIXTURES	500
1581	METHYL BROMIDE and CHLOROPICRIN MIXTURES	500
1582	CHLOROPICRIN and METHYL CHLORIDE MIXTURES	500
1582	METHYL CHLORIDE and CHLOROPICRIN MIXTURES	500
1583	CHLOROPICRIN MIXTURES (as "Inhalation Hazard" is on shipping paper)	500
1599	CYANOGEN CHLORIDE, inhibited	500
1605	DIMETHYL SULFATE	500
1605	METHYL SULFATE	500
1605	1,2-DIBROMOETHANE	500
1605	ETHYLENE DIBROMIDE	500
1612	HEXAETHYL TETRAPHOSPHATE and COMPRESSED GAS MIXTURE	500

POTENTIAL HAZARDS

HEALTH HAZARDS

Poisonous, may be fatal if inhaled
Contact may cause burns to skin and eyes
Contact with liquid may cause frostbite
Runoff from fire control or dilution water may cause pollution

REOR EXPLOSION

May ignite other combustible materials (wood, paper, oil, etc.)
Mixture with fuels may explode
Cylinder may explode in heat of fire
Vapor explosion and poison hazard indoors, outdoors or in sewers

EMERGENCY ACTION

Keep unnecessary people away, isolate hazard area and deny entry
Stay upwind, out of low areas, and ventilate closed spaces before entering
Positive pressure self-contained breathing apparatus (SCBA) and chemical protective clothing which is specifically recommended by the shipper or manufacturer may be worn. It may provide little or no thermal protection
Structural firefighters' protective clothing is not effective for these materials
Isolate the leak or spill area immediately for at least 150 feet in all directions
See the Table of Initial Isolation and Protective Action Distances. If you find the ID Number and the name of the material there, begin protective action

CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, CALL CHEMTREC AT 1-800-424-9300.

If water pollution occurs, notify the appropriate authorities

RE

Small Fires: Water only; no dry chemical, CO₂ or Halon
Contain and let burn. If fire must be fought, water spray or fog is recommended

Move container from fire area if you can do it without risk
Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks
For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if this is impossible, withdraw from area and let fire burn

PILL OR LEAK

Keep combustibles (wood, paper, oil, etc.) away from spilled material
Fully-encapsulating, vapor-protective clothing should be worn for spills and leaks with no fire

Stop leak if you can do it without risk

Water spray may be used to reduce or direct vapors

Isolate area until gas has dispersed

IRST AID

Move victim to fresh air and call emergency medical care, if not breathing.

Give artificial respiration, if breathing is difficult, give oxygen

In case of contact with material, immediately flush skin or eyes with running water for at least 15 minutes

Remove and isolate contaminated clothing and shoes at the site

Keep victim quiet and maintain normal body temperature

Effects may be delayed, keep victim under observation

POTENTIAL HAZARDS

FIRE OR EXPLOSION

Cannot catch fire
Container may explode in heat of fire
HEALTH HAZARDS
Vapors may cause dizziness or suffocation
Contact with liquid may cause frostbite

EMERGENCY ACTION

Keep unnecessary people away, isolate hazard area and deny entry
Stay upwind, out of low areas, and ventilate closed spaces before entering
Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection
Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire.

CALL Emergency Response Telephone Number on Shipping Paper first. If Shipping Paper not available or no answer, CALL CHEMTREC AT 1-800-424-9300.

FIRE

Move container from fire area if you can do it without risk
Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks

SPILL OR LEAK

Do not touch or walk through spilled material
Stop leak if you can do it without risk

FIRST AID

Move victim to fresh air and call emergency medical care, if not breathing, give artificial respiration, if breathing is difficult, give oxygen
In case of frostbite, thaw frosted parts with water
Keep victim quiet and maintain normal body temperature



U.S. Department
of Transportation
**Research and
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10 (2)
400 Seventh Street S.W.
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APPROVAL SA-9511009
ISSUED BY THE COMPETENT AUTHORITY OF THE UNITED STATES

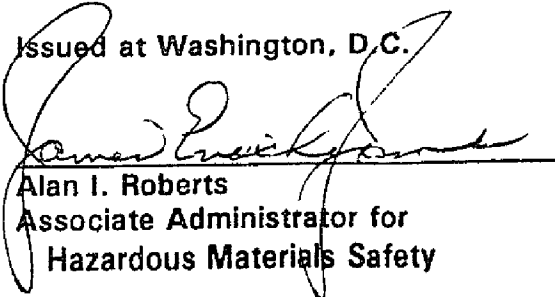
1. **APPROVAL HOLDER:** Gaylord Chemical Corporation
420 Wills Avenue
Bogalusa, LA 70427
2. **REGULATORY AUTHORITY:** 49 CFR 172.102(c)(3) Special Provision B61
3. **SYNOPSIS:** Gaylord Chemical Corporation is authorized a one-time shipment of one tank car containing the residue of dinitrogen tetroxide in accordance with the conditions set forth in this approval.
4. **BASIS:** This approval is issued in response to a request dated October 25, 1995 from Mr. Bill Householder on behalf of Gaylord Chemical Corporation.
5. **PERIOD OF VALIDITY AND CONDITIONS OF APPROVAL:** This approval does not provide relief from any other requirements of the Hazardous Materials Regulations. This approval shall remain valid for the duration of the one-time movement of the specified package from Bogalusa, Louisiana, to Vicksburg, Mississippi and no later than December 1, 1995.
 - (a) **Material Authorized:** Dinitrogen tetroxide, a division 2.3 poisonous by inhalation material, Hazard Zone A, UN 1067
 - (b) **Packaging to be used is DOT specification 105J500W tank car, DODX 7004 constructed of stainless steel and approved under AAR certificate of Construction Number A929024B dated 10/2/92.**
6. **SPECIAL PROVISIONS:**
 - (a) **A copy of this approval shall be provided to both carriers involved in the transportation of this shipment.**

- (b) Shipment of DODX 7004 is authorized on a one-time basis from Gaylord Chemicals, Corporated, Bogalusa, Louisiana to Vicksburg, Mississippi, via the Kansas City Southern Railway Company and the Illinois Central Gulf Railroad Company. Routing authorized is ICG-Jackson-KCS-Delivery.
- (c) The emergency response team from Gaylord Chemical and Vicksburg Chemical must be on stand-by for response to any incident involving the shipment.
- (d) This approval is limited to the material and packaging authorized above. Any modification requires advanced notice and approval by the Approvals Program.

7. **GENERAL PROVISIONS:**

- (a) Failure by any person to comply with the terms and conditions of this approval and the Hazardous Materials Regulations, 49 CFR 171-180, may result in the suspension or revocation of that person's authority to use this approval. Failure to comply may also subject that person to penalties prescribed by 49 U.S.C. §§5123 and 5124. This approval may be modified, suspended or terminated in it's entirety if that action is justified in light of changes in circumstances, including additional information not available when this exemption was issued. Unless immediate modification, suspension, or termination is necessary to avoid imminent material harm to persons or property, before action is taken that person will be notified and provided with an opportunity to show why the proposed action should not be taken.
- (b) Please refer to the aforementioned special approval number in any future correspondence regarding this authorization.

Issued at Washington, D.C.


Alan I. Roberts
Associate Administrator for
Hazardous Materials Safety

NOV 14 1995

DATE

Address all inquiries to: Associate Administrator for Hazardous Materials Safety,
Research and Special Programs Administration, Department of Transportation,
Washington, D.C. 20590. Attention: DHM-32.



US Department
of Transportation

Research and
Special Programs
Administration

400 Seventh Street S.W.
Washington D.C. 20590

APPROVAL SA-9510014

ISSUED BY THE COMPETENT AUTHORITY OF THE UNITED STATES

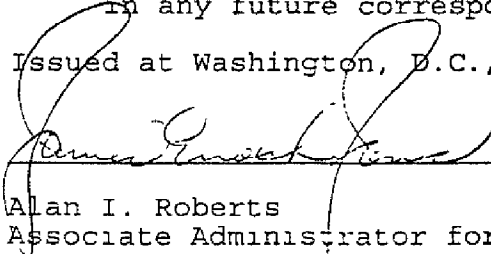
1. APPROVAL HOLDER: U.S. Environmental Agency
Region 6, Dallas, Texas
2. REGULATORY AUTHORITY: 49 CFR 172.102(c)(3) Special Provision
B61
3. SYNOPSIS: The United States Environmental Protection Agency, Washington, DC. is authorized a one-time shipment of two tank cars containing the residue of dinitrogen tetroxide in accordance with the conditions set forth in this approval.
4. BASIS: This approval is issued in response to a request dated October 27, 1995 and additional information dated November 8, 1995 from the On scene Coordinator, U.S. Environmental Protection Agency, Region 6, Dallas, Texas.
5. PERIOD OF VALIDITY AND CONDITIONS OF APPROVAL: This approval does not provide relief from any other requirements of the Hazardous Materials Regulations. This approval shall remain valid for the duration of the one-time movement of the specified packages from Vicksburg, Mississippi, to Bogalusa, Louisiana, and no later than November 25, 1995.
 - (a) Material Authorized: Dinitrogen tetroxide, a division 2.3 poisonous by inhalation material, Hazard Zone A, UN 1067
 - (b) Packaging to be used are two DOT specification 105J500W tank cars, DODX 7004 and DODX 7008, constructed of stainless steel and approved under AAR certificate of Construction Number A929C24B dated 10/2/92.
6. SPECIAL PROVISIONS:
 - (a) A copy of this approval shall be provided to both carriers involved in the transportation of this shipment

- (b) Shipment of DODX 7004 and DODX 7008 is authorized on a one-time basis from Vicksburg Chemicals, Vicksburg, Mississippi, to Gaylord Chemicals, Incorporated, Bogalusa, Louisiana via the Kansas City Southern Railway Company and the Illinois Central Gulf Railroad Company. Routing authorized is KCS-Jackson-ICG-Delivery.
- (c) The emergency response team from Gaylord Chemical and Vicksburg Chemical must be on stand-by for response to any incident involving the shipment.
- (d) This approval is limited to the material and packaging authorized above. Any modification requires advanced notice and approval by the Approvals Program.

7. GENERAL PROVISIONS:

- (a) Failure by any person to comply with the terms and conditions of this approval and the Hazardous Materials Regulations, 49 CFR 171-180, may result in the suspension or revocation of that person's authority to use this approval. Failure to comply may also subject that person to penalties prescribed by 49 U.S.C. §§5123 and 5124. This approval may be modified, suspended or terminated in it's entirety if that action is justified in light of changes in circumstances, including additional information not available when this exemption was issued. Unless immediate modification, suspension, or termination is necessary to avoid imminent material harm to persons or property, before action is taken that person will be notified and provided with an opportunity to show why the proposed action should not be taken.
- (b) Please refer to the aforementioned special approval number in any future correspondence regarding this authorization.

Issued at Washington, D.C., October 25, 1995.


Alan I. Roberts
Associate Administrator for
Hazardous Materials Safety

11-8-95
REVISED DATE

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D C. 20590.
Attention: DHM-32



US Department
of Transportation

Research and
Special Programs
Administration

400 Seventh Street S.W.
Washington D.C. 20590

12(2)

APPROVAL SA-9510014

ISSUED BY THE COMPETENT AUTHORITY OF THE UNITED STATES


1. **APPROVAL HOLDER:** United States Environmental Protection Agency
Region 6, Dallas, Texas
2. **REGULATORY AUTHORITY:** 49 CFR 172.102(c)(3) Special Provision B61
3. **SYNOPSIS:** The United States Environmental Protection Agency, Dallas, Texas, is authorized a one-time shipment of two tank cars containing residue of dinitrogen tetroxide in accordance with the conditions set forth in this approval.
4. **BASIS:** This approval is issued in response to a request dated October 27, 1995 from the On Scene Coordinator, U.S. Environmental Protection Agency, Region 6, Dallas, Texas.
5. **PERIOD OF VALIDITY AND CONDITIONS OF APPROVAL:** This approval provides no relief from any other requirements of the Hazardous Materials Regulations. This approval shall remain valid for the duration of the one-time movement of the specified packages from Vicksburg, Mississippi, to Bogalusa, Louisiana, and not later than November 1, 1995.
 - (a) **Material Authorized:** Dinitrogen tetroxide, Division 2.3, UN 1067
 - (b) **Packagings to be used** are two DOT specification 105J500W tank cars, DODX 7004 and DODX 7008, constructed of stainless steel and approved under AAR certificate of Construction Number A929024B dated 10/2/92.
6. **SPECIAL PROVISIONS:**
 - (a) Shipment of DODX 7004 and DODX 7008 is authorized on a one-time basis from Vicksburg Chemicals, Vicksburg, Mississippi, to Gaylord Chemicals, Incorporated, Bogalusa, Louisiana via the Kansas City Southern Railway Company and the Illinois Central Gulf Railroad Company. Routing authorized is KCS-Jackson-ICG-Delivery.

- (b) A copy of this approval shall be provided to both carriers involved in the transportation of this shipment.
- (c) The emergency response teams from Gaylord Chemical and Vicksburg Chemical must be on stand-by for response to any incident involving the shipment.
- (d) This approval is limited to the material and packaging authorized above. Any modification requires advanced notice and approval by the Approvals Program.

7. GENERAL PROVISIONS:

- (a) Failure by any person to comply with the terms and conditions of this approval and the Hazardous Materials Regulations, 49 CFR 171-180, may result in the suspension or revocation of that person's authority to use this approval. Failure to comply may also subject that person to penalties prescribed by 49 U.S.C. §§5123 and 5124. This approval may be modified, suspended or terminated in its entirety if that action is justified in light of changes in circumstances, including additional information not available when this approval was issued. Unless immediate modification, suspension, or termination is necessary to avoid imminent material harm to persons or property, before action is taken the holder will be notified and provided with an opportunity to show why the proposed action should not be taken.
- (b) Please refer to the aforementioned special approval number in any future correspondence regarding this authorization.

Issued at Washington, D.C.


Alan I. Roberts
Associate Administrator for
Hazardous Materials Safety

OCT 25 1995

Date

Address all inquiries to: Associate Administrator for Hazardous Materials Safety,
Research and Special Programs Administration, Department of Transportation,
Washington, D.C. 20590. Attention: DHM-32



DOT/RCR/0115
EXEMPTION APPROVALS
95 NOV - 1 11:26

October 25, 1995

Mr. James Enoch Jones
Chief, Approvals Branch Exemptions
and Approvals Division
Office of Hazardous Materials Transportation
400 Seventh Street, S W.
Washington, D.C. 20590

United States Department of Transportation
Research and Special Programs Administration

Re: SA-830307
Issued pursuant to 49 CFR § 173.336(a)(4).
Approval to Operate UTLX 82329

Dear Mr. Jones:

This letter is written as immediate notification of an incident involving damage, injury or loss of contents while handling materials covered by subject authorization. The incident involves the release of contents of the rail car as a result of rupture of the tank. A more detailed incident report will follow as soon as the currently ongoing investigation is concluded.

Sincerely Yours,

GAYLORD CHEMICAL CORPORATION

Toby Brierson
Toby Brierson
Assistant Operations Manager

TO: HARPREET SINGH
FROM: BILL HOUSEHOLDER
DATE: OCTOBER 27, 1995
SUBJECT : DODX CARS ON GAYLORD SPECIAL APPROVAL

RECENTLY WE TALKED ABOUT TRYING TO INCLUDE A DODX CAR ON OUR SPECIAL APPROVAL AND WE EVENTUALLY DISCONTINUED THIS REQUEST. DUE TO THE EMERGENCY AT OUR PLANT REGARDING N2O4 AND THE TRANSPORTATION OF MATERIAL FROM THE INCIDENT. WE CURRENTLY HAVE FIVE TRAILERS OF N2O4 AND HNO3 AT VARIOUS LEVELS OF CONCENTRATION. THIS MATERIAL WILL BE RETURNED TO VICKSBURG CHEMICAL FOR REPROCESSING IN THEIR PROCESS.

YESTERDAY, 10/25/95 THERE WAS A CONFERENCE CALL INVOLVING PERSONNEL AT BOGALUSA AND KELLY AIR FORCE BASE:

- BOGALUSA: MIKE RYAN EPA
- DAVE MADSEN VICKSBURG CHEMICAL
- JOHN MILES VICKSBURG CHEMICAL - VP OPERATIONS
- BILL HOUSEHOLDER GAYLORD CHEMICAL - PLANT MANAGER
- OTHER RESOURCES
- KELLY AIR FORCE BASE:
- GILBERT NOREIGA
- TERRY CLARK
- OTHER RESOURCES (LEGAL, TRANSPORTATION, OTHERS)

DUE TO THE EMERGENCY NATURE OF THE SITUATION, GILBERT HAD RESOURCED ALL AREAS INVOLVED WITH THE USE OF DODX CARS FOR OUR EMERGENCY USE. THE AIR FORCE AGREED TO RELEASE THE TWO CARS ALL PARTIES WERE IN AGREEMENT. THE CARS WILL BE LEASED TO VICKSBURG CHEMICAL SINCE THEY HAVE THE CONTRACT WITH KELLY AIR FORCE AND WILL ASSUME RESPONSIBILITY AND LIABILITY FOR THE USE OF THE TWO CARS. GAYLORD CHEMICAL HAS AGREED TO SUB LEASE AND BE CO- LEASERS IN ORDER TO ASSIGN THE CARS TO OUR SPECIAL APPROVAL FOR THIS TEMPORARY EMERGENCY USE. JOHN MILES, BILL HOUSEHOLDER AND GILBERT NOREIGA WERE IN AGREEMENT WITH THIS ARRANGEMENT AND I WAS ASSIGNED THE RESPONSIBILITY OF CONTACTING YOU AND JIM JONES FOR OBTAINING THE APPROVAL.

THE RAIL CARS WILL BE SHIPPED FROM VICKSBURG TO BOGALUSA ON 10/27/95 AND LOCATED IN OUR RAIL YARD. THEY WILL NOT BE BROUGHT ONTO OUR SITE AN USED UNTIL WE RECEIVE PERMISSION TO USE THE CARS ON OUR SPECIAL APPROVAL. THE TWO CARS THAT ARE REQUESTED ON OUR APPROVAL ARE: DODX 7008 AND DODX 7004. THESE ARE TWO OF THE NEW FLEET OF STAINLESS STEEL CARS CURRENTLY USED BY DOD.

THE FIVE TRAILERS OF MATERIAL WILL BE LOADED INTO THE RAILCARS AND SHIPPED TO VICKSBURG:

- TWO TRAILERS 82% HNO3/WATER AND 18% N2O4
- TWO TRAILERS N2O4 WITH OUT OF SPEC H2O
- ONE TRAILER WEAK HNO3 THAT NEEDS TO BE RETESTED AND CONFIRMED

THERE MAY BE ANOTHER TRAILER OF WEAK HNO3 THAT IS CURRENTLY IN THE PROCESS OF BEING LOADED FROM THE DAMAGED RAILCAR.

YOUR PROMPT CONSIDERATION AND APPROVAL OF THIS REQUEST WILL BE APPRECIATED. I WILL BE IN AND OUT OF THE OFFICE TODAY DEALING WITH THE COORDINATION OF THE WRAP-UP OF OUR EMERGENCY SO IF YOU CANNOT REACH ME CALL 732-6301 OR 732-6304 , MY VOICE MAIL OR FAX 504-732-5301. HARPREET, I AGAIN APPRECIATE YOUR FRIENDLY AND HELPFUL APPROACH TO MY REQUESTS AND PROBLEMS.

WILLIAM D. HOUSEHOLDER
PLANT MANAGER
GAYLORD CHEMICAL CORPORATION

U.S. ENVIRONMENTAL PROTECTION AGENCY
REGION 6, DALLAS, TEXAS
RESPONSE & PREVENTION BRANCH

MEMORANDUM

DATE: September 27, 1995
FROM: OSC Robert M. Ryan, P.E.
Response & Prevention Branch
TO: Mr. Al Roberts
Research and Special Programs Administration
U.S. Department of Transportation
ATTN: Mr. Bill Schoonoveer

This memorandum is to request approval to move two railroad tankcars, DODX 7004 and DODX 7008, from their present location at Vicksburg Chemicals, Vicksburg, MS to Gaylord Chemicals, Bogalusa, LA. These tankcars are requested for use in response to a chemical spill of Nitrogen Tetraoxide at the Gaylord facility. I understand that the tankcars are presently considered to be "residue cars" and as such require a special exemption in order to be moved from their present location.

Thank you for your attention to this emergency exemption request. If you need further information or have any questions, please contact me at (214) 665-2273.

Should be dated October



16
file
DOT/RSPA/OHMS
EXEMPTIONS & APPROVALS
95 JAN 10 PM 4:24

January 04, 1995

Mr. James Enoch Jones
Chief, Approvals Branch Exemptions
and Approvals Division
Office of Hazardous Materials Transportation
400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Mr. Jones:

As part of the requirements under Approval Number SA-83037 for Gaylord Chemical Corporation to operate UTLX 82329 in the service of Nitrogen Tetroxide transport, the following is a "Record of Experience" for the calendar year 1994 for Gaylord Chemical Corporation:

January 1994:	From Vicksburg Chemical To Gaylord Chemical FULL
May 1994:	To Vicksburg Chemical EMPTY
June 1994:	Back to Gaylord Chemical FULL
October 1994:	To Vicksburg Chemical EMPTY Back to Gaylord Chemical FULL

There were no incidents involving damage, injury, or loss of contents while handling or transporting the material covered by the above authorization.

Sincerely Yours,

GAYLORD CHEMICAL CORPORATION

Toby Frerison
Toby Frerison
Assistant Operations Manager



September 21, 1993

Mr. James Enoch Jones
 Chief, Approvals Branch
 Exemptions and Approvals Division
 Office of Hazardous Materials Transportation
 400 Seventh Street, S.W.
 Washington, D.C. 20590

Re: Approval SA-830307 for Nitrogen Tetroxide Railcar Operations

Dear Mr. Jones:

I would like to request, in writing, a change to the Principal Officer Section of Approval SA-830307 that gives Gaylord Chemical Corporation the authority to transport Nitrogen Tetroxide by rail in conjunction with Vicksburg Chemical (Division of Cedar Chemical Company) between Bogalusa, Louisiana and Vicksburg, Mississippi.

The heading to this document presently reads Bob Wilson, Plant Superintendent, Gaylord Chemical Corporation. Bob is no longer employed by Gaylord Chemical Corporation. As Operations Manager, I see that the provisions of SA-830307 are complied with. Please revise the heading to read Toby Frierson, Operations Manager, Gaylord Chemical Corporation.

Your cooperation pertaining to this matter is greatly appreciated.

OPTIONAL FORM NO. 10 (MAY 1962 EDITION)

FAX TRANSMITTAL		# of pages ▶
To	From	
Dept. Agency	Phone #	
Fax #	Fax #	
NSN 7540-01-317-368 5099-101 GSA FPMR, SERVICES ADMINISTRATION		

Sincerely Yours,

Toby D. Frierson
 Operations Manager
 Gaylord Chemical Corp.

cc: John Ferguson

MARCH 05, 1991

Mr. James Enoch Jones
Chief, Approvals Branch Exemptions
and Approvals Division
Office of Hazardous Materials Transportation
400 Seventh Street, S.W.
Washington, D.C. 20590

3-11-91

Dear Mr. Jones:

As part of the requirements under Approval Number SA-830307 for Gaylord Chemical Corporation to operate UTLX 82329 in the service of Nitrogen Tetroxide transport, the following is a "Record of Experience" for the fiscal year 1990 for Gaylord Chemical:

March 1990: To Vicksburg Chemical Empty
Back to Gaylord Chemical Full

September 1990: To Vicksburg Chemical Empty
Back to Gaylord Chemical Full

There were no incidents involving damage, injury, or loss of contents while handling or transporting the material covered by the above authorization. Future correspondence regarding Approval Number SA-830307 should be to the attention of Mr. Toby Frierson, Operations Manager for Gaylord Chemical Corp..

Sincerely yours,

GAYLORD CHEMICAL CORPORATION

Robert E Wilson

Robert E. Wilson
Product and Quality Manager

19 (2)



4-5-90

March 30, 1990

Mr. James Enoch Jones
Chief, Approvals Branch
Exemptions and Approvals Division
Office of Hazardous Materials Transportation
400 Seventh Street, S. W.
Washington, D. C. 20590

Re: Approval SA-830307 for Nitrogen Tetroxide Rail Car Operations

Dear Mr. Jones:

I would like to request, in writing, a change to the Principal Officer Section of Approval SA-830307 that gives Gaylord Chemical Corporation the authority to transport Nitrogen Tetroxide by rail in conjunction with Vicksburg Chemical (Division of Cedar Chemical Company) between Bogalusa, Louisiana and Vicksburg, Mississippi.

The heading to this document presently reads John Ferguson, Chemical Operations Manager, Gaylord Chemical Corporation. John has been placed on special assignment with the company and presently does not follow the movements of the railcar in question on a regular basis. As Gaylord Chemical's Plant Superintendent, I see that the provisions of SA-830307 are complied with by both parties regularly. We would like the heading to read Robert E. Wilson, Plant Superintendent, Gaylord Chemical Corporation.

Mr. James Enoch Jones
Chief, Approvals Branch
Exemptions and Approvals Division
Office of Hazardous Materials Transportation
March 30, 1990
2

Your cooperation pertaining to this matter is greatly appreciated.

Sincerely yours,

GAYLORD CHEMICAL CORPORATION

Robert Wilson / dsf

Robert E. Wilson
Plant Superintendent

REW/dsf

cc: John Ferguson
James LeBlanc
Steve Henriques

Will Carter
Hazardous Materials Inspector
U.S. Department of Transportation
Federal Railroad Administration
U.S. Postal Service Building
701 Loyola Avenue
New Orleans, Louisiana 70113



September 5, 1989

Mr. James Enoch Jones
 Chief, Approvals Branch Exemptions
 & Approvals Division
 Office of Hazardous Materials Transportation
 400 Seventh Street, S. W.
 Washington D. C. 20590

UTLX Correspondence Dated March 14, 1983

Dear Mr. Jones:

I would like to request, in writing, a copy of the submission letter from Union Tank Car Company to the U.S. Department of Transportation Research and Special Programs Administration dated March 14, 1983 regarding details of tank car appurtenances, dome fitting, safety devices, markings and loadings, inspection, and testing practices presented to the U.S. Department of Transportation on the above-mentioned UTLX 82329.

Any reference that would have been made to the Crown Zellerbach Corporation would now apply to Gaylord Chemical Corporation. I would appreciate your timely assistance in this matter. My telephone number is (504) 732-8667 and our fax number at this same location is (504) 732-8665.

Sincerely yours,

GAYLORD CHEMICAL CORPORATION

Robert E. Wilson

Robert E. Wilson
 Plant Superintendent

REW/dsf

cc: Mr. Will Carter
 Hazardous Materials Inspector
 U. S. Department of Transportation
 Federal Railroad Administration
 U. S. Postal Service Building
 701 Loyola Street
 New Orleans, Louisiana 70113



OFFICE OF HAZARDOUS MATERIALS
REGULATION
U.S. DEPARTMENT OF TRANSPORTATION
WASHINGTON, D.C. 20590

January 24, 1989

Mr. James Enoch Jones
Chief, Approvals Branch
Office of Hazardous Material
Regulation
U. S. Department of Transportation
400 Seventh Street, S.W.
Washington, D.C. 20590

RE: SA-830307
1988 Record of Experience

Dear Mr. Jones:

Tank car UTLX 82329 was used in February and September 1988 to transport 110,000 pounds (each trip) from Vicksburg Chemical Division of Cedar Chemical Corp. in Vicksburg, MS, to our plant in Bogalusa, LA. The material was unloaded into our fixed storage tank and the empty tank car was stored in our plant on each occasion.

Please contact me if you need additional information.

Sincerely,

GAYLORD CHEMICAL CORPORATION

John Ferguson
Chemical Operations Manager

JF/sv

Gaylord Chemical Corporation
P O Box 1209
Slidell, LA 70459-1209

FILE

February 25, 1988

Mr. James Enoch Jones
Chief, Approvals Branch
Office of Hazardous Materials Regulation
U. S. Department of Transportation
400 Seventh Street, S.W.
Washington, D.C. 20590

RE: SA-830307
1987 Record of Experience

Dear Mr. Jones:

The former Gaylord Chemical division of Gaylord Container Corporation has been organized as a new Corporation, Gaylord Chemical Corporation. The ownership has not changed.

Tank car UTLX 82026 was returned to Union Tank Car Company, clean and empty, without having received any nitrogen tetroxide.

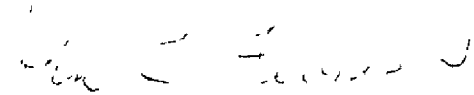
Tank car UTLX 82329 was used in February 1987 to transport 110,000 pounds of nitrogen tetroxide from Vicksburg Chemical Company in Vicksburg, Mississippi to our plant in Bogalusa, Louisiana. The material was unloaded into our fixed storage tank and the tank car was stored on our site. The tank car was cleaned and sent to the Union Tank Car Company shop in Hightower, Texas during November 1987 for valve tests and preventative maintenance.

At your suggestion, we had the under-carriage modified, while the railcar was in the shop; it now has the newer, safer, roller-bearing construction. The railcar was still in the shop at year-end.

Mr. G. R. Cowan, who was your former contact is no longer employed by Gaylord Chemical Corporation. Please change your records to show me as your new contact.

Please let me know if any further information is required.

Sincerely,


John L. Ferguson
Chemical Operations Manager

JLF/rfw yfw

The property described below in apparent good order except as noted (contents and condition of contents of packages unknown) marked consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official Southern Western and Illinois Freight Classification in effect on the date hereof if this is a rail or a rail-water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CONSIGNEE TO		(Mail or Street Address of Consignee—For Purposes of Notification Only)		ORDER NO	D A T E
UNION TANK CAR SMI CO.		REPAIR SMI SHOP		11-4-87	
HIGHTOWER, TX		CAR INITIALS & NO		B/L NO. 532 3119	
DELIVERING CARRIER		ICG-Shreveport, LA-MP-Beaumont, SF		FREIGHT CHARGES (PREPAID OR COLLECT)	
		UTLX 82329		FREE	
NO	PKGS	KIND OF PACKAGE DESCRIPTION OF ARTICLES SPECIAL MARKS AND EXCEPTIONS	WEIGHT (GROSS TO CORR)	CLASS OR RATE	CHARGES
1		<p>CLEAN, EMPTY & AIR PURGED TANK CAR LAST CONTAINING: NITROGEN NITROGEN TETROXIDE, LIQUID POISON A NA 1067,RQ</p> <p>PLACARDS NOT REQUIRED</p> <p>THIS CAR LEASED TO GAYLORD CONTAINER CORP. BOGALUSA, LA</p> <p>D,O,T. AUTHORIZATION: SA-830307 (COPY ATTACHED)</p> <p>NOTE: CAR BEING SENT TO SHOPPER FOR FOLLOWING: 1. INSPECT & TEST SAFETY RELIEF VALVE, etc. AS PER DOT RULES 2. REPAIR OR REPLACE ALL 4 OUTLET VALVES (LIQUID & VAPOR) 3. REPAIR PAINT, especially inside dome, on guard rails & body 4. REPAIR PLACARD HOLDER ON "B" end 5. ANY OTHER SAFETY INSPECTIONS OR REPAIRS WHICH ARE NEEDED</p>			
GROSS					
TARE					
NET					
SEAL NUMBERS		CP 05535			

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
 The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

PER GC CORP
 The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____

PER
 "For help in emergencies involving spill, leak, fire, or exposure, call toll free 800-424-9300 day or night"

"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight"

NOTE—Where the weight is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

GAYLORD CONTAINER CORPORATION, SHIPPER
 This is to certify that the herein named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

Origin Carrier Name
 ICG

Per
 Shipper's Signature *JF*

Per
 City
 BOGALUSA, LOUISIANA

Gaylord Container
 Chemical Products
 P O BOX 1060



U.S. Department
of Transportation
Research and
Special Programs
Administration

24 (2)

DEPARTMENT OF TRANSPORTATION
400 Seventh Street S.W.
Washington D.C. 20590

RECEIVED
MAY 12 5 25 84

OFFICE OF HAZARDOUS
MATERIALS
Revised April 30, 1987

Mr. G. R. Cowan
Senior Project Engineer
Gaylord Chemical
Division of Gaylord Container
Corporation
P.O. Box 4266

SA-830307

Dear Mr. Cowan:

Under provisions of Section 173.336(a)(4) of Title 49, Code of Federal Regulations (49 CFR) Gaylord Chemical is hereby issued approval number SA-830307. This approval covers details of tank car appurtenances, dome fittings and safety devices, and marking, loading, inspection and testing practices presented in Union Tank Car Company's submission of March 14, 1983, and your revised submission of February 25, 1987.

Gaylord Chemical may make shipment in accordance with the above procedure subject to the following conditions:

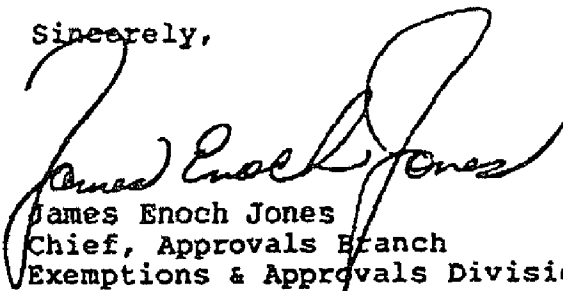
- A. Authorized Commodity: Nitrogen Tetroxide
- B. Authorized Packaging: Tank Car identified as UTLX82329
- C. This approval does not relieve Gaylord Chemical or its employees from any obligations imposed by applicable requirements of the DOT's Hazardous Materials Regulations (49 CFR).
- D. Gaylord Chemical must furnish each carrier with a copy of this approval. All shipping papers must be marked with the approval number SA-830307.
- E. Each car used in this service must be marked with the approval number SA-830307 in characters at least 4 inches high near the U.N. number.
- F. A record of experience including any difficulties, casualties, or losses shall be sent to the Chief, Approvals Branch within 60 days of completion of each calendar year of operation. In addition, an immediate detailed report shall be sent in the event of any incident involving damage, injury, or loss of contents while handling or transporting materials covered by this authorization. This requirement is in addition to requirements of 49 CFR Sections 171.15 and 171.16.

Continuation of SA-830307

- G. Advance notice and approval by the Approvals Branch is required for any changes in the processes and procedures covered by this authorization.
- H. This approval shall remain valid so long as there is no change or modification in the information submitted in support of this approval.

Any correspondence relative to this approval should be addressed to the Approvals Branch and reference SA-830307.

Sincerely,



James Enoch Jones
Chief, Approvals Branch
Exemptions & Approvals Division
Office of Hazardous Materials
Transportation

25

The property described below in apparent good order, except as noted (contents and condition of contents of packages unknown) marked, consigned and destined as indicated below which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official Southern, Western and Illinois Freight Classifications in effect on the date hereof, if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, including those on the back thereof set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

CONSIGNEE TO UNION TANK CAR CO. STORAGE YARD CLEVELAND, TX		ORDER NO -----		D 22-37	
DESTINATION ROUTE		CAR INITIALS & NO.		B/L NO. 532 2677	
DELIVERING CARRIER ICG-NO-MP-BEAUMONT-ATSF		UTLX 52926		FREIGHT CHARGES (PREPAID OR COLLECT) FREE	
NO PKGS	KIND OF PACKAGE DESCRIPTION OF ARTICLES, SPECIAL MARKS AND EXCEPTIONS	WEIGHT (GROSS TO CORN)	CLASS OR RATE	CHARGES	
1	CLEAN & EMPTY TANK CAR (NEVER PUT IN SERVICE BY GC/CZ) PLACARDS NOT REQUIRED CAR BEING RELEASED & RETURNED TO OWNER.				
GROSS TARE NET SEAL NUMBERS				<p>Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:</p> <p>The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.</p> <p>PER GC CORP The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____</p> <p>PER _____</p> <p>"For help in emergencies involving spill, leak, fire, or exposure, call toll free 800-424-9300 day or night"</p> <p>*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight.*</p> <p>NOTE—Where the weight is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.</p>	

GAYLORD CONTAINER CORPORATION, SHIPPER

This is to certify that the herein named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Origin Carrier Name

ICG

Per JE
Shipper's Signature

Per _____

City

BOGALUSA, LOUISIANA

Gaylord Container

Chemical Products
P.O. BOX 1060

UNIFORM STRAIGHT BILL OF LADING — ORIGINAL — NOT NEGOTIABLE

905 — MidSouth Rail Corp. — 905

PATRON CODE

RECEIVED subject to the classifications and tariffs in effect on the date of the receipt by the carrier of the property described in the Original Bill of Lading the property described below in apparent good order except as noted contents and condition of contents of packages unknown, marked, consigned and destined as indicated below which said company the ward company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract agrees to carry to its usual place of delivery at said destination if on its own road or its own water line otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law whether printed or written herein contained including the conditions on back hereof which are hereby agreed to by the shipper and accepted for himself and his assigns

CAR INITIALS AND NUMBER **LITLX 82329**

T. TRAILER INITIAL AND NUMBER _____ LENGTH _____ PLAN NUMBER _____

O. _____

F. TRAILER INITIAL AND NUMBER _____ LENGTH _____

C. _____

FOR (See Special Instructions)

BILL OF LADING DATE **2-20-87** BILL OF LADING No **105205** **MSRC 93734**

CONSIGNEE AND ADDRESS AT STOP **BC1650-87-D**

S AT _____

T AT _____

O AT _____

P AT _____

TO STATION STATE FROM No STATION STATE

BOGALUSA, LA 11400 VICKSBURG MS

ROUTE Show each Junction and Carrier in Route Order to Destination

905-MSRC JACKSON ICG

Show "A" if Agent's Routing or "S" if Shipper's Routing

FROM (Full Name of Shipper Street and Post Office Address) PATRON CODE

Vicksburg Chemical Div of Cedar Chemical P.O. Box 3 Vicksburg MS 39180

PLACE X IF CHARGES DUE FROM OTHER THAN SHIPPER IF PREPAID OR FORWARDED

CONSIGNEE TO Mail or street address of Consignee — PATRON CODE

GAYLORD/CROWN ZELLERBACH P.O. BOX 1060 BOGALUSA, LA 70427

PLACE X IF CHARGES DUE FROM OTHER THAN CONSIGNEE IF COLLECT FORWARDED

SHOW TO WHOM CHARGES SHOULD BE BILLED IF OTHER THAN SHIPPER OR CONSIGNEE

NAME _____ ADDRESS _____ CITY _____ STATE _____ ZIP _____

RECONSIGNEED TO STATION STATE **RWC**

AUTHORITY

FINAL DESTINATION STATION STATE OR PROV

Subject to Section 7 of Conditions If this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement. The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

SIGNATURE OF CONSIGNOR _____

INSTRUCTIONS (Specify who is to pay service charge if any)

IF CAR BAD ORDERED CALL 1-800-227-2798 in MS (601-636-1231)

WHERE RATE IS BASED ON VALUATION OF GOODS INDICATE AGREED OR DECLARED VALUE NOT EXCEEDING

SCALE WEIGHT OR WEIGHING BUREAU STAMP

MSRC WEIGHT AGREEMENT

WEIGHED AT **177,360**

PER GROSS

TARE **67,360**

ALLOWANCE

NET **110,000 55.T**

IF CHARGES ARE TO BE PREPAID WRITE OR STAMP HERE TO BE PREPAID COLLECT

NO PKGS	Description of Articles, Special Marks and Exceptions	COMMODITY CODE NO	WEIGHT	RATE				
1	T/C Nitrogen Tetroxide, Liquid, Poison A, NA 1067, RQ (Chemicals, NOI) Placarded: POISON GAS and 1067 <i>Analysis shown</i>		110,000 #					

RECEIVED

MIDSOUTH RAIL CORP. FREIGHT OFFICE

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

FEB 20 1987

SHIPPER **Vicksburg Chemical Div of Cedar Chemicals** AGENT **LOAD AND UNLOAD**

PER **W. C. F. WERS Transportation Asst.** PER **VICKSBURG, MISS.**

Permanent Postoffice Address of Shipper

RECEIVED \$ _____

0 APP. IN PREPAYMENT OF THE CHARGES ON THE PROPERTY DESCRIBED HEREON

PER _____

AGENT OR CASHER THE SIGNATURE HERE ACKNOWLEDGES ONLY THE AMOUNT PREPAID

Thank you for shipping MidSouth Rail Corp.

16

from - via - via - come -
Full N2O4
tank car enough
bills for the tank
car is requested
H. Ferguson

LETTER OF LADING — ORIGINAL — NOT NEGOTIABLE
105 — MidSouth Rail Corp. — 905

SEPARATE PATRON CODE

on the date of the receipt by the carrier of the property described in the Original Bill of Lading the property described below
description of contents of packages unknown, marked, consigned and destined as indicated below, which said company (the word
bring any person or corporation in possession of the property under the contract, agrees to carry to its usual place of delivery
itination if on its own road or its own water line otherwise to deliver to another carrier of the route to said destination. It
agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each
my time interested in all or any of said property that every service to be performed hereunder shall be subject to all the
conditions not prohibited by law whether printed or written herein contained, including the con-
ditions on back hereof which are hereby agreed to by the shipper and accepted for himself and
his assigns

4GTH PLAN NUMBER
4GTH BILL OF LADING DATE 6-10-86
BILL OF LADING NO. 105-905
VOC# 901
SHIPPER No. B 4590-86-C
(See Special Instructions) CONSIGNEE AND ADDRESS AT STOP

TO BOGALUSA LA STATE LA FROM No. STATION STATE
B/A FROM (Full Name of Shipper, Street and Post Office Address) PATRON CODE
VERTAC CHEMICAL CORP
P.O. BOX 3
VICKSBURG, MS 39180
PLACE X IF CHARGES DUE FROM OTHER THAN SHIPPER IF PREPAID FORWARD

ROUTE show each junction and Carrier in route Order to Destination
905-MSRC ICG
Show "X" if Agents Routing or "S" if Shipper's Routing
CONSIGNEE TO Mail or street address of Consignee — PATRON CODE
CROWN ZELLERBACH
MILL DIVISION
P.O. BOX 1060
BOGALUSA, LA 70427
RECONSIGNEE TO STATION STATE RWC
AUTHORITY
FINAL DESTINATION STATION STATE OR PROV

SHOW TO WHOM CHARGES SHOULD BE BILLED IF OTHER THAN SHIPPER OR CONSIGNEE NAME ADDRESS CITY STATE ZIP
Subject to Section 7 of Conditions if this shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges. SIGNATURE OF CONSIGNOR

INSTRUCTIONS (Specify who is to pay service charge if any)
WHERE RATE IS BASED ON VALUATION OF GOODS INDICATE AGREED OR DECLARED VALUE NOT EXCEEDING
SCALE WEIGHT OR WEIGHING BUREAU STAMP
WEIGHED AT VERTAC CHEMICAL
GROSS 177,220
TARE 67,220
IF CHARGES ARE TO BE PREPAID WRITE OR STAMP HERE TO BE PREPAID COLLECT
ALLOWANCE NET 110,000

NO PKGS	Description of Articles, Special Marks and Exceptions	COMMODITY CODE NO	WEIGHT	RATE				
1	T/C NITROGEN TETROXIDE, LIQUID, POISON A, NA 1067 RQ (CHEMICALS NOI) PLACARDED NITROGEN TETROXIDE N ₂ O ₄ Rate \$1.86/cwt Tar. Ref: SFA 2011 I. 26442.29 SEAL: 01310		110,000#					

RECEIVED
MID-SOUTH RAIL CORP.
FREIGHT OFFICE

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the regulations of the Department of Transportation.

SHIPPER: VERTAC CHEMICAL CORP AGENT: W. G. FLOWERS, Transportation Assl., VICKSBURG, MISS.
PER: [Signature] PER: [Signature]
Permanent Postoffice Address of Shipper
RECEIVED TO APPLY IN PREPAYMENT OF THE CHARGES ON THE PROPERTY DESCRIBED HEREON
AGENT OR CASHIER THE SIGNATURE HERE ACKNOWLEDGES ONLY THE AMOUNT PREPAID

4354

Thank you for shipping MidSouth Rail Corp.

PART 1

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the Orig

Empty No 04
tank car -
more info

RECEIVED SUBJECT TO THE CLASSIFICATION OF LADING

and order, except as noted (contents and condition of contents of packages unknown) marked, consigned, and destined as indicated below understood throughout this contract as meaning any person or corporation in possession of the property under the contract agrees to carry on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official, Southern Western and Illinois Freight Classification or conditions of the Uniform Domestic Straight Bill of Lading set forth (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. It is a rail or a fall water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment. It is familiar with all the terms and conditions of the said bill of lading including those on the back thereof set forth in the classification of this shipment and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

ORDER NO
B-4590-86D
DATE
5-30-86

DESTINATION: VICKSBURG, MISSISSIPPI
ROUTE:
DELIVERING CARRIER: ICG
CAR INITIALS & NO: UTLX 82329

B/L NO 532 2058
FREIGHT CHARGES (PREPAID OR COLLECT)
FREE

NO PKGS	KIND OF PACKAGE DESCRIPTION OF ARTICLES SPECIAL MARKS AND EXCEPTIONS	WEIGHT (GROSS TO CORR)	CLASS OR RATE	CHARGES
1	EMPTY TANK CAR LAST CONTAINMENT CONTAINING: NITROGEN TETROXIDE, LIQUID POISON A NA 1067, RQ PLACARDED POISON GAS THIS CAR LEASED TO CROWN ZELLERBACH CORP./GAYLORD D.O.T. AUTHORIZATION: SA-830307 (COPY ATTACHED) SEAL # WZ-17536			

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

PER
The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding

PER

"For help in emergencies involving spill, leak, fire, or exposure, call toll free 800-424-9300 day or night

"If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading shall state whether it is carrier's or shipper's weight."

NOTE—Where the weight is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property

CROWN ZELLERBACH CORPORATION SHIPPER
This is to certify that the herein named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation

Origin Carrier Name ICG

Per JF [Signature]
Shipper's Signature

Per [Signature] City

CrownZellerbach
Chemical Products
PO BOX 1060



BOGALUSA, LOUISIANA

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CrownZellerbach
Chemical Products Division

January 24, 1986

UTLX 82329

Mr. James Enoch Jones
Chief, Approvals Branch
Office of Hazardous Materials Regulation
U. S. DEPARTMENT OF TRANSPORTATION
400 Seventh Street, S. W.
Washington, D. C. 20590

Dear Mr. Jones:

Reference: SA-830307

This record of experience covers the calendar year 1985 and is a response to condition F of approval SA-830307.

Tank car UTLX 82329 containing 84,500 pounds of nitrogen tetroxide was moved from the PakTank Corporation storage terminal in Westwego, Louisiana to Bogalusa, Louisiana where it was unloaded into our fixed storage tank. Tank car UTLX 82329 is empty and is currently stored in Bogalusa.

Tank car UTLX 82026 is in Bogalusa, Louisiana and has not yet received any nitrogen tetroxide.

Please let us know if any additional information is required.

Sincerely,

Senior Project Engineer

G. R. COWAN/hw

cc: G. E. Bergstrom
J. L. Ferguson - CZ
G. W. Bartu - CZ



CrownZellerbach
Chemical Products Division

January 15, 1985

Mr. James Enoch Jones
Chief, Approvals Branch
Officer of Hazardous Materials Regulation
U. S. DEPARTMENT OF TRANSPORTATION
400 Seventh Street, S. W.
Washington, D. C. 20590

Dear Mr. Jones:

Reference: SA-830307

This record of experience covers the calendar year 1984 and is a response to condition F of approval SA-830307.

Tank car UTLX 82329 contains 84,500 lbs. of nitrogen tetroxide and is stored at the PakTank Corporation storage terminal in Westwego, Louisiana. There have been no storage problems and no shipping operations in 1984.

Tank car UTLX 82026 is in Bogalusa, Louisiana and has not yet received an nitrogen tetroxide.

Please let us know if any additional information is required.

Sincerely,

A handwritten signature in cursive script that reads "G R Cowan".

Senior Project Engineer

G. R. COWAN/lvt

cc: J. L. Ferguson - CZ
J. G. Stanley - CZ
G. W. Bartu - CZ

Mailing Address: P O Box 4266, Vancouver (Orchards) WA 98662
Street Address: 10619 N.E. Coxley Dr. Phone: (206) 254-0922 TWX: 910 474 8663