



About the Data

Resources

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New Orleans Cold Storage

Search Criteria Used [\(More\)](#)

Level of Detail

Type of Report Output

Facility #1 : New Orleans Cold Storage

Basic Facility Info [?](#)


Facility ID	100000188879
Facility Name	New Orleans Cold Storage
Street Address Line 1	3411 S. Jourdan Road
City	New Orleans
State	LA
Zip Code	70126
Zip Code Extension	5049
County	Orleans Parish
Owner or Operator Name	Gary F. Escoffier
Latitude	29.996194
Longitude	-090.017778
Number of RMP Submissions	1

Most Recent Submission Info [?](#)

RMP ID	39702
Submission Type	first submission for facility
Submission Date	07/13/2004
Process Toxic Amount Total (lbs)	50,000
Process Flammable Amount Total (lbs)	0
Process Amount Total (lbs)	50,000
Number of Potential Offsite Consequence Processes	1
Potential Offsite Consequence Toxic Amount Total (lbs)	50,000
Potential Offsite Consequence Flammable Amount Total (lbs)	0
Potential Offsite Consequence Amount Total (lbs)	50,000
All Process NAICS	49312

Exec Summary Submission Date

07/13/2004

Executive Summary  (Facility #1 : New Orleans Cold Storage, executive summary: all)

Executive Summary

Executive Summary

A. Describe Accidental Release Prevention and Emergency Policies

New Orleans Cold Storages philosophy is "To do the job safely is to do the job right." The primary concern is the health and well being of the employees and the preservation of assets. No task is so urgent or important that we cannot take the time to do it safely and correctly, the first time.

Safety is a continuous process that requires the full diligence of each and every employee. This safety awareness must exist in everyone's actions, thinking and planning. Each employee must not only prevent obvious unsafe acts, but also must anticipate and eliminate potential hazards to him or her and co-workers.

Our safety objectives will only be met by "top to bottom" adherence to all applicable federal, state and local regulations and standards. This means all employees must be fully supportive of our Safety and Health Programs for it to be truly effective.

It is our company's policy that all tasks and assignments will be performed in a safe and efficient manner, assuring the maximum opportunity for an accident-free workplace.

Accidental Release Prevention and Emergency Policies are designed to comply with OSHA's Process Safety Management (PSM) standard (Process Safety Management of Highly Hazardous Chemicals, 29 CFR 1910.119) and EPA's Risk Management Program (RM program) regulation (Risk Management Programs for Chemical Accidental Release Prevention, 40 CFR Part 68).

The purpose of the accidental release prevention and emergency action program is to prevent the occurrence, and minimize the consequences, of significant releases of toxic substances as well as fires, explosions, and other types of catastrophic accidents. Overall, these programs prevent accidental fatalities, injuries and illnesses and avoid physical property damage.

B. Stationary Source and Regulated Substances Handled

New Orleans Cold Storage is a refrigerated warehouse for the storage of perishable foods.

This facility operates an ammonia refrigeration system to provide cooling and freezing capabilities. The amount of anhydrous ammonia (CAS #7662-41-7) contained in this system is in excess of 10,000 pounds. The ammonia inventory of this system is approximately 50,000 lbs. Since ammonia releases from this system could pose a risk of offsite public impact and is regulated under the OSHA PSM standard (29 CFR 1910.119), the system is subject to the Program 3 requirements of the EPA's RM program.

The closed loop ammonia refrigeration system at the facility provides (3) major suction pressures (temperatures) for use in the preservation and process freezing of perishable food products. Through the use of single stage compression the refrigeration system provides refrigerant temperatures of -25F., -35F and +11.5F.

The higher pressure portions of the system include the condenser, located on the roof, along with refrigerant vent lines where any leaks can dissipate to the air, joining ammonia produced by lightning where it can be consumed as it goes through a natural biodegrading process. Normal safeties include: high pressure cut-outs, relief valves, and ventilating systems for machine room areas.

C. Summary of Worst-Case and Alternative Release Scenarios

The Worst Case Release Scenario is determined to be a catastrophic release from the recirculator vessel V-5 Recirculator Vessel. A worst-case release from this vessel includes an estimated 12,475 pounds of ammonia. For this Worst Case Release Scenario, the distance from source to toxic endpoint is 0.6 miles.

The worst-case release scenario is unlikely for the following reasons:

The worst-case weather conditions which were used for this scenario are uncommon;

Industry standards were followed for the manufacture and quality control of these vessels;

Ammonia is not corrosive in this service;

Pressure safety valves limit operating pressures in these vessels and vessels have design margins of safety of about 4 to 1.

Alternative Release Scenario Analysis

An Alternative Release Scenario is chosen as a pipe failure. The

potential for a pipe failure is possible given the extensive ammonia piping system extending throughout the Facility and, as such, represents a more realistic event than the catastrophic failure of a vessel.

Assumed is the failure of a 1-inch pipe connected to the V-1 Receiver. Using EPA-suggested meteorological parameters for alternative scenarios and following a one-hour release, the distance from release point to the toxic endpoint is 0.2 miles.

The Alternative Release Scenario is unlikely for the following reasons:

The high pressure liquid lines are located in enclosed areas that could help to contain such a release;

Industry standards were followed for the manufacture and quality control of these lines;

Ammonia is not corrosive in this service.

Vessel design uses a factor of approximately 4 to 1 margin for safety.

Active mitigation would be the Emergency Shutdown System which permits system to equalize to 50-60 psig

D. Description of the Accidental Release Prevention Program

The prevention program (OSHA Process Safety Management CFR 1910.119) consists of the following elements:

Employee Participation

Process Safety Information

Process Hazard Analysis

Operating Procedures

Training

Contractors

Pre-startup Safety Review

Mechanical Integrity

Hot Work Permit

Management of Change

Incident Investigation

Compliance Audits

E. Five-Year Accident History

This is a new facility. There have been no reportable incidents in the past five years.

F. Description of the Emergency Response Program

This facility will call in local emergency personnel in the event of a significant ammonia release. The facility is included in the community

Emergency Response Program coordinated by the Orleans Parish, Louisiana LEPC, 317 Decatur St., New Orleans, LA 70130, 1-504-565-7800.

G. Planned Changes to Improve Safety

A Process Hazard Analysis was conducted on 5/14/03. Any recommendations resulting from this analysis will be evaluated and implemented as required.

Submission - Other Facility Info

Owner or Operator Name	Gary F. Escoffier
Owner or Operator Address Line 1	400 Alba Rd.
Owner or Operator City	New Orleans
Owner or Operator State	LA
Owner or Operator Zip	70129
Parent Dun and Bradstreet Number	0
Second Parent Dun and Bradstreet Number	0
Number of Full Time Employees	42
Number of FTE CBI Flag	No
Covered by OSHA PSM Standard	Yes
Covered by EPCRA Section 302	Yes
Covered by CAA Title V	No
Last Safety Inspection By	Never had one
OSHA Star or Merit Ranking	No
LEPC Name	Orleans Parish LEPC

Submission - Contact Info

(Facility #1 : New Orleans Cold Storage, RMP submission #1 : 2004-07-13)

Owner or Operator Phone	5042542231
Facility Dun and Bradstreet Number	0
RMP Contact	James Bienvenu
RMP Contact Title	Chief Engineer

Submission - Additional Info

RMP Complete Flag	No
Predictive Filing	No
No RMP Accidents Last 5 Years	Yes
Complete Check Date	09/07/2004
Error Report Date	09/07/2004
Postmark Date	07/08/2004

Anniversary Date 07/08/2009

Confidential Business Information No

Submission - Lat/Long Info ?

Latitude 29.996194
Longitude -090.017778
Valid Lat/Long Yes
Lat/Long Method Interpolation - Photo
Lat/Long Location Type Unknown
FRS Latitude 0
FRS Longitude 0

Submission - Counts and

(Facility #1 : New Orleans Cold Storage, RMP submission
#1 : 2004-07-13)

Totals ?

Number of RMP Accidents 0
Number of Processes 1
Number of Process Chemicals 1
Number of Toxic Worst-case Scenarios 1
Number of Toxic Alternate Case Scenarios 1
Number of Flammable Worst-case Scenarios 0
Number of Flammable Alternate Case Scenarios 0
RMP Accident Flammable Total (lbs) 0
RMP Accident Toxic Total (lbs) 0
RMP Accident Amount Total (lbs) 0
Total RMP Accident Deaths 0
Total RMP Accident Injuries 0
Total RMP Accident Evacuated/Sheltering In Place 0
Total RMP Accident Property Damage \$0

Processes ?

Process Description NOCS
Program Level 3
Confidential Business Information No
Toxic Amount Total (lbs) 50,000
Flammable Amount Total (lbs) 0
Process Amount Total (lbs) 50,000
Number of Process Chemicals 1
Number of Toxic Worst-Case Scenarios 1
Number of Toxic Alternate Scenarios 1

Number of Flammable Worst-Case Scenarios	0
Number of Flammable Alternate Scenarios	0

Process

(Facility #1 : New Orleans Cold Storage, RMP submission #1 : 2004-07-13, process #1 : NOCS, process chemical #1)

Chemicals ?

Process Chemical ID	Ammonia (anhydrous)
CAS number	007664417
Chemical Type	Toxic
Process Chemical Amount (lbs)	50,000
Confidential Business Information	No

Process Chemicals ?

Process Chemical ID	Public OCA Chemical
CAS number	000000000
Process Chemical Amount (lbs)	0
Confidential Business Information	No

Worst-Case Toxic Scenarios ?

Percent Weight (Within Mixture)		0
Physical State	Gas liquified by pressure	
Model Used	EPA's RMP Guidance for Ammonia Refrigeration Reference Tables or Equations	
Release Duration (minutes)		10
Wind Speed (meters/sec)		1.5
Atmospheric Stability Class	F	
Topography	Urban	
Passive Mitigation - Dikes	No	
Passive Mitigation - Enclosures	Yes	
Passive Mitigation - Berms	No	
Passive Mitigation - Drains	No	
Passive Mitigation - Sumps	No	
Confidential Business	No	

Information

Alternate Case

Toxic Scenarios ?

(Facility #1 : New Orleans Cold Storage, RMP submission #1 : 2004-07-13, process #1 : NOCS, process chemical #2, alternate toxic scenario #1)

Percent Weight (Within Mixture)		0
Physical State	Gas liquified by pressure	
Model Used	EPA's RMP Guidance for Ammonia Refrigeration Reference Tables or Equations	
Wind Speed		3
Atmospheric Stability Class	D	
Topography	Urban	
Passive Mitigation - Dikes	No	
Passive Mitigation - Enclosures	Yes	
Passive Mitigation - Berms	No	
Passive Mitigation - Drains	No	
Passive Mitigation - Sumps	No	
Active Mitigation - Sprinklers	No	
Active Mitigation - Deluge Systems	No	
Active Mitigation - Water Curtain	No	
Active Mitigation - Neutralization	No	
Active Mitigation - Excess Flow Valves	No	
Active Mitigation - Flares	No	
Active Mitigation - Scrubbers	No	
Active Mitigation - Emergency Shutdown	No	
Confidential Business Information	No	

Process

NAICS ?

(Facility #1 : New Orleans Cold Storage, RMP submission #1 : 2004-07-13, process #1 : NOCS, process NAICS code #1 : 49312)

NAICS Code 49312: Refrigerated Warehousing and Storage

Prevention Program 3 

Safety Info Review Date	05/15/2003
PHA Update Date	05/14/2003
PHA Technique - What If	No
PHA Technique - Checklist	No
PHA Technique - What If/Checklist	Yes
PHA Technique - HAZOP	No
PHA Technique - FMEA	No
PHA Technique - FTA	No
PHA Change Completion Date	07/04/2003
Hazard Identified - Toxic Release	Yes
Hazard Identified - Fire	No
Hazard Identified - Explosion	No
Hazard Identified - Runaway Reaction	No
Hazard Identified - Polymerization	No
Hazard Identified - Overpressure	No
Hazard Identified - Corrosion	Yes
Hazard Identified - Overfilling	No
Hazard Identified - Contamination	No
Hazard Identified - Equipment Failure	Yes
Hazard Identified - Cooling Loss	No
Hazard Identified - Earthquake	No
Hazard Identified - Flood	No
Hazard Identified - Tornado	No
Hazard Identified - Hurricane	No
Process Controls - Vents	Yes
Process Controls - Relief Valves	Yes
Process Controls - Check Valves	No
Process Controls - Scrubbers	No
Process Controls - Flares	No
Process Controls - Manual Shutoffs	Yes
Process Controls - Auto Shutoffs	No
Process Controls - Interlocks	Yes
Process Controls - Alarms	Yes
Process Controls - Keyed Bypass	No

Process Controls - Emergency Air	No
Process Controls - Emergency Power	No
Process Controls - Backup Pump	Yes
Process Controls - Grounding	No
Process Controls - Inhibitor Addition	No
Process Controls - Rupture Disks	No
Process Controls - Excess Flow Devices	No
Process Controls - Quench System	No
Process Controls - Purge System	No
Process Controls - None	No
Mitigation Systems - Sprinklers	Yes
Mitigation Systems - Dikes	No
Mitigation Systems - Fire Walls	Yes
Mitigation Systems - Blast Walls	No
Mitigation Systems - Deluge Systems	No
Mitigation Systems - Water Curtains	No
Mitigation Systems - Enclosure	Yes
Mitigation Systems - Neutralization	No
Mitigation Systems - None	No
Mitigation Systems - Other	Ventilation
Monitoring Systems - Process Area	Yes
Monitoring Systems - Perimeter	No
Monitoring Systems - None	No
Changes Since PHA - Reduced Inventory	No
Changes Since PHA - Increased Inventory	No
Changes Since PHA - Process Parameters	No
Changes Since PHA - Process Controls	No
Changes Since PHA - Process Detection	No
Changes Since PHA - Perimeter Monitoring	No
Changes Since PHA - Mitigation	No

Systems

Changes Since PHA - None Recommended	No
Changes Since PHA - None	Yes
Procedure Review Date	05/15/2003
Training Review Date	07/04/2003
Type of Training - Classroom	No
Type of Training - On the Job	Yes
Competency Testing - Written Tests	No
Competency Testing - Oral Tests	No
Competency Testing - Demonstration	Yes
Competency Testing - Observation	Yes
Maintenance Review Date	05/15/2003
Maintenance Inspection Date	07/20/2003
Equipment Tested	compressors, condensers, vessels, air units
Management of Change Review Date	05/15/2003
Pre-startup Review Date	07/04/2003
Participation Plan Review Date	05/15/2003
Hot Work Review Date	05/15/2003
Contractor Safety Review Date	07/04/2003
Confidential Business Information	No

Prevention

Program 3

Chemicals

(Facility #1 : New Orleans Cold Storage, RMP submission #1 : 2004-07-13, process #1 : NOCS, process NAICS code #1 : 49312, prev. program 3 #1, prev. program 3 chemical: all)

Process Chemical Record ID

75448

Prevention Program 3 Text

Prevention Program Description

Emergency Response Plan Info

Facility In Community Plan	Yes
Facility Own Response Plan	No
Specific Facility Response Plan	No
Inform. Procedures in Response Plan	No

Emergency Care in Response Plan	No
Local Response Agency	Orleans Parish, Louisiana LEPC
Local Response Agency Phone	5045657800
Subject To - OSHA EAP	Yes
Subject To - OSHA HAZWOPER	No
Subject To - CWA	No
Subject To - RCRA	No
Subject To - OPA	No
Subject To - State EPCRA	No

*END OF
REPORT*

Search Criteria Used

RMP Facility ID 100000188879

Level of Detail

Extended

GO

This search was
done on March
25, 2009. It was
compiled from

Type of Report Output

Text (HTML)

GO

government data last released on April 28, 2008. The data were obtained from the U.S. EPA's [Risk Management System](#) database (RMP).