

# Nitrogen storage tank accident case





## Overview

---

Washington D.C. December 11, 2023 - Today the U.S. Chemical Safety and Hazard Investigation Board (CSB) released its final investigation report into a liquid nitrogen release at the Foundation Food Group (FFG) facility in Gainesville, GA, on January 28, 2021, that fatally injured six workers. On 28th August 1992, there was a catastrophic failure of a storage tank containing liquefied nitrogen. The failure resulted in the collapse of almost half of the manufacturing site and damage to houses and vehicles within a 400 metre radius. Fragments of the vessel were projected up to 350 metres.

Washington D.C. December 11, 2023 - Today the U.S. Chemical Safety and Hazard Investigation Board (CSB) released its final investigation report into a liquid nitrogen release at the Foundation Food Group (FFG) facility in Gainesville, GA, on January 28, 2021, that fatally injured six workers. The cold evaporator is an apparatus which sends pressurized gases, such as oxygen, nitrogen, argon, carbonic acid gas, etc., to users, after evaporating the stocked super cold gases by using the pressurizing evaporator, the sending gas evaporator, and other attached equipments. "Super high. A month before the State of Alabama plans to use nitrogen gas to execute Kenny Smith on Alabama's death row, the U.S. Chemical Safety and Hazard Investigation Board (CSB) released its final investigation report into the deaths of six Georgia poultry plant workers who died from nitrogen asphyxiation. ment damage. At the time of the incident, rig personnel had positioned a rack with 12 nitrogen cylinders to begin pre-charging the accumulator system cylinders with nitrogen. One of the nitrogen cylinders within the rack subsequently ruptured at its base, resulting in the dispersion of both the. In January, six people were killed and another 11 were treated for injuries after a nitrogen line ruptured at a poultry processing plant in Gainesville, Georgia. The six who died were all employees of the company - the 11 injured, some critically, included employees as well as firefighters and.



## Nitrogen storage tank accident case

---



### Workers Killed by Nitrogen Leak While Trying to Save Their ...

On January 28, 2021, investigators found that the nitrogen leak at FFG was so deadly because the plant did not adequately inform, train, equip, drill, or otherwise prepare workers for a ...

### Atmospheric tank failures: Mechanisms and an unexpected case study

Download Citation , Atmospheric tank failures: Mechanisms and an unexpected case study , The literature on catastrophic failures of low-pressure tanks focuses on the ignition of explosive



### JETIR Research Journal

Hazards like explosion, toxic gas release, asphyxiation are some of the common cases found in petroleum storage tanks and if these incidents or accidents are not investigated properly, they may ...

### CSB Releases Final Report into 2021 Fatal Liquid Nitrogen Release at

Washington D.C. December 11, 2023 - Today the U.S. Chemical Safety and Hazard Investigation Board (CSB) released its final investigation report into a liquid nitrogen release at the Foundation



Food ...



### Liquid Nitrogen Tank Safety , PennEHRS

In this case the researcher completely unthreaded the valve from a cylinder, resulting in another uncontrolled release of liquid and gaseous nitrogen. Nitrogen gas rapidly expands to ...

### Accidents Compilation June '16

Following the accident, it was discovered that a compressed air valve that delivers the compressed air needed to positively seat the pneumatic MCW butterfly valve was in a CLOSED position, and thus ...



### Process Safety Beacon: Recent Nitrogen Fatalities Are a Vivid Reminder

In addition to causing asphyxiation, liquid nitrogen is extremely cold and can quickly cause severe frostbite upon contact. Many nitrogen-related fatalities occur when others rush to rescue someone in ...



## AP\_Santa\_Clara\_Incident\_Review\_Report\_Rev1

The transfill facility is part of a larger Air Products facility, at 1375 Norman Ave, Santa Clara, California, containing industrial gas production and storage systems, including an air separation plant to ...



### Investigation Report

iquid nitrogen level. As a result, liquid nitrogen overflowed from the freezer and filled the room wit vaporized nitrogen. This design was vulnerable to a sin le point of failure. Once the tube became ...

### The hazards of nitrogen

Case history 4 In the course of cleaning a tank a man was asphyxiated and died due to a hose being connected to a nitrogen supply instead of an air supply.5 Case history 5 Inert gas leaked into a ...



### List of ammonium nitrate incidents and disasters

Bags of ammonium nitrate fertilizer When heated, ammonium nitrate decomposes non-explosively into nitrous oxide and water vapor; however, it can be induced to decompose explosively by detonation ...



## Accident scenarios triggered by lightning strike on atmospheric storage

Severe Natech accidents may be triggered by lightning strike affecting storage tanks containing relevant inventories of hazardous materials. The present study focused on the ...



## Case Details > Explosion of Liquefied Nitrogen Storage Tank by ...

In a food factory located along a national road, the liquefied nitrogen storage tank for the cold evaporator (CE) exploded at a mid-night, causing the destruction of the upper half of the factory as well as some ...

## List of ammonium nitrate incidents and disasters

List of ammonium nitrate incidents and disasters  
Bags of ammonium nitrate fertilizer When heated, ammonium nitrate decomposes non-explosively into nitrous oxide and water vapor; however, it can ...



## Explosion of a nitrogen tank in a varnish company

An explosion occurred on the cryogenic nitrogen storage of a plant producing paints and varnishes. In the morning, the plant called for a maintenance intervention of a technician from the subcontractor ...



## Case studies of 28 major accidents of fires/explosions in storage tank

Twentyeight accidents involving major fires and/or explosions, which have occurred across the world in tank farms storing flammable liquids, have been...



## Nitrogen storage tank accident case

This first article gives an overview of accident frequencies of atmospheric storage tanks and past accidents described in the open literature, to show the possible accidental sequences, underline the ...

## Video captures truck exploding on I-5, oxygen tank sent flying , FOX ...

A witness captured on video the moment a tanker exploded on I-5 in Downtown Seattle. The explosion sent a canister of liquid oxygen flying down the interstat



## Contact Us

---

For catalog requests, pricing, or partnerships, please visit:  
<https://www.fundacja64.pl>