Course title:

Rupture of a Liquid Ammonia Storage Tank Case Study
A Process Safety Management Approach

Introduction:

Case Studies training courses will present various incidents in fertilizer industry detailing the incident causes, consequences, and lessons learned. This training series introduce a process safety analysis of each incident and the impact in Operational Excellence program.

This incident is related to the sudden increase in pressure of a 20,000 ton liquid ammonia storage tank caused the roof to shell connection to rupture and the spread of ammonia vapor in the concentration of approximately 30-100 ppm in the region’s atmosphere in a radius of approximately one kilometer.

Duration 1 hour.

Course outline:

Lessons
1. Introduction
2. General plant description
3. Process Unit Description
4. Incident Description
5. Cause of the Incident
6. Consequences of the Incident
7. Lessons Learned
8. Process Safety Analysis
9. Impact on Operational Excellence
10. Conclusions
Learning outcomes:

By the end of this training course you will understand:

- The causes and consequences of the ammonia storage tank rupture.
- How to prevent such incident by incorporating the lessons learned in you process safety management system

Who will benefit:

Operators, process engineers and maintenance specialists involved in operation, maintenance and inspection of ammonia plants

Course materials:

- Hand-out presentation slides in PDF format

Price:

€ 120

Discounts:

- 2 places – 10% discount
- 3 places – 15% discount
- 4 or more places – 20% discount.

In-company training:

This course is also available as an in-company course (face-to-face or online) where content can be customised to meet your organisation's specific needs and delivered on a date/location that suits your requirements.

Contact us for more information.

Training code: CAST04