

Ammoniakutsläpp från kylanläggningen på ett bryggeri.

930417 MARS 1993_08

Olyckan inträffade i maskinrummet på ett bryggeri då 150 kg ammoniak läckte ut ur kylsystemet. Genom en öppen dörr till maskinrummet spred sig ammoniakångorna till angränsande utrymmen. En anställd upptäckte läckan och informerade den interna brandkåren. Hela bryggeriet nödstoppades och läckan täpptes till. Vattenångorna sköljdes bort med vatten.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
ammoniak	7664-41-7	150 kg

Skador:

Människor:	2 personer fick vårdas på sjukhus.
Materiella:	En del utrustning förstördes.
Miljö/ekologi:	Inga effekter rapporterade.
Infrastruktur:	Trafiken i området spärrades av och när befolkningen informerades med hjälp av högtalare.

Erfarenheter redovisade (Ja/Nej): Nej

Report Profile

Identification of Report:

country: FA ident key: 1993_008_01

reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 1993-04-17 start: 14:00:00

finish: finish:

Establishment:

name:

address:

industry: - not applicable -

Sugar, Starch & fermentation (brewery)

Seveso II status: not applicable: Yes art. 6 (notification): No

art. 7 (MAPP): No

art. 9 (safety report): No

Date of Report:

short: full:

Authority Reporting:

name:

address:

Authority Contact:

rep_cont_name:

rep_cont_phone:

rep_cont_fax:

Additional Comments:

a) - not applicable -

b) - not applicable -

c) - not applicable -

d) - not applicable -

e) - not applicable -

Short Report

country: FA **ident key:** 1993_008_01

Accident Types:

release: Yes **explosion:** No

water contamination: No **other:** No

fire: No

description:

In the engine room of the brewery an escape of about 150 kg of ammonia from the cooling system occurred. The escape occurred for a leaky point in the insertion jacket of the temperature sensor in the oil separator. The ammonia release took ... see Appendix Short Report / description of accident types

Substance(s) Directly Involved:

toxic: Yes **explosive:** No

ecotoxic: No **other:** No

flammable: No

description:

Ammonia (150 kg)

Immediate Sources of Accident:

storage: No **transfer:** No

process: No **other:** No

description:

Cooling plant.

Suspected Causes:

plant or equipment: Yes **environmental:** No

human: No **other:** No

description:

It is presumed that the cause of ammonia leakage is a material defect.

Immediate Effects:

material loss: Yes

human deaths: No

human injuries: Yes **community disruption:** No

other: No

ecological harm: No

national heritage loss: No

description:

- 2 persons were hospitalized

- material damage (oil separator) amounting at 2 TDM

Emergency Measures taken:

on-site systems: Yes **decontamination:** No

external services: Yes **restoration:** No

sheltering: Yes **other:** No

evacuation: No

description:

Internal to the establishment:... see Appendix Short Report / description of emergency measures taken

Immediate Lessons Learned:

prevention: No **other:** No

mitigation: No

description:

- not applicable -

Appendices for the FA / 1993_008_01 report

Appendix Short Report / description of accident types:

In the engine room of the brewery an escape of about 150 kg of ammonia from the cooling system occurred. The escape occurred for a leaky point in the insertion jacket of the temperature sensor in the oil separator. The ammonia release took place in the engine room and arrived, through the door, to the open air.

Appendix Short Report / description of emergency measures taken:

Internal to the establishment:

In the plant ruled normal duty, so the safety system did not enter on service. The mechanic on duty noted the ammonia leakage and informed immediately the responsible of the service and the close volunteer firemen. The entire plant was electrically shutdown. The valves on the oil-separator were closed by a machinist and a fireman.

In the zone of machine room the released ammonia was removed with water.

External to the establishment:

The traffic in the near streets were interrupted by the police and the public informed by loud-speaker.