

Explosion och brand i en gasdepå.

931112 MARS 1993_17

Vid förberedelser för underhållsarbete öppnades en säkerhetsventil och propan släppte ut och antändes. Säkerhetsföreskrifterna hade troligen inte följts ordentligt. Det var förmodligen en lampa i pumpstationen som antänd gasen. En brand uppstod men kunde släcktes för hand av personalen.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
propan	74-98-6	okänt

Skador:

Människor: 3 personer fördes till sjukhus, varav en med allvarliga skador.

Materiella:

Miljö/ekologi: Inga effekter rapporterade.

Infrastruktur:

Erfarenheter redovisade (Ja/Nej):

Kortfattat anges förebyggande åtgärder.

Report Profile

Identification of Report:

country: FA ident key: 1993_017_01

reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 1993-11-12 start: 08:00:00

finish: finish:

Establishment:

name:

address:

industry: - not applicable -

Plant for storage of flammable gases

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_017_01

Accident Types:

release: No explosion: Yes

water contamination: No other: No

fire: Yes

description:

Explosion of flammable gases with following fire.... see Appendix Short Report / description of accident types

Substance(s) Directly Involved:

toxic: No explosive: No

ecotoxic: No other: No

flammable: Yes

description:

Propane

Immediate Sources of Accident:

storage: Yes transfer: No

process: No other: Yes

description:

- not applicable -

Suspected Causes:

plant or equipment: No environmental: No

human: Yes other: No

description:

Human faulty behaviour.

Immediate Effects:

material loss: Yes

human deaths: No

human injuries: Yes community disruption: No

other: No

ecological harm: No

national heritage loss: No

description:

- 3 men hospitalized
- material loss (5TDM)

Emergency Measures taken:

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

external services: No **restoration:** No

sheltering: No **other:** No

evacuation: No

description:

The fire was hand extinguished by the incoming personnel. The ignition happened probably for a not safe work light used in the pumps station.

Immediate Lessons Learned:

prevention: Yes **other:** No

mitigation: No

description:

A safety valve should not be drained in a closed room; A work-lamp unsuitable for safe works in a room in which there is danger of explosion is a procedure violation and shouldn't be used.

Appendices for the FA / 1993_017_01 report

Appendix Short Report / description of accident types:

Explosion of flammable gases with following fire.

In the return pipes of liquid gas plant a safety valve had to be changed as a result of a T^{AV}-fall. The pumps room is located immediately before the liquid gas vessel. For mountage works the plant had to be put out of service. During loosening of flanges screwings on safety valve gas propane escaped in the pumps station. A deflagration with explosive flame occurred. The fire continued also after the deflagration. The person working at the mountage were injured, one of them seriously.