

Explosion på en hamnbränsledepå.

880627 MARS 1988_19

Under arbete på taket av en tank kan gnistor ha antänt petroleumångor i en tank med bränsle av något slag. Två personer omkom. Dokumentet är mycket kryptiskt.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
petroleumångor		3270 m3

Skador:

Människor:	2 döda i explosionen
Materiella:	Tanken skadades.
Miljö/ekologi:	Inga effekter rapporterade.
Infrastruktur:	Inga.

Erfarenheter redovisade (Ja/Nej): Nej

Ytterst kortfattat anges förebyggande åtgärder.

Report Profile

Identification of Report:

country: FA ident key: 1988_019_01
reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 1988-06-27 start: 14:40:00
finish: finish:

Establishment:

name:
address:
industry: - not applicable -
Mouvement of petrochemical products
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: 1988_019_01

Accident Types:

release: No explosion: Yes

water contamination: No other: No

fire: Yes

description:

- not applicable -

Substance(s) Directly Involved:

toxic: No explosive: Yes

ecotoxic: No other: No

flammable: Yes

description:

Various fuels vapours explosion (about 3.720 m3)

Fire of various fuels mixture

Immediate Sources of Accident:

storage: Yes transfer: No

process: No other: No

description:

Storage area of combustible products for naval use.

Probable emission of mechanical splinters during works for shortening the supports of the enter gangway to the top of the tank roof.

Suspected Causes:

plant or equipment: No environmental: Yes

human: No other: No

description:

In the enquiry it was suspected that the accident could have been caused by the combustion of the gases

released from the tank when it was hit by some mechanical splinters resulting from mechanical works in the top

of the tank. The splinte... see Appendix Short Report / description of suspected causes

Immediate Effects:

material loss: Yes

human deaths: Yes

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

other: No

ecological harm: No

national heritage loss: No

description:

- 2 people dead for the explosion

- destruction of the tank and of the equipment sited in the surrounding zone.

Emergency Measures taken:

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

external services: Yes **restoration:** No

sheltering: Yes **other:** No

evacuation: No

description:

Was put in action the fixed fire fighting system present in the installation and also the mobile system.

Intervention of the voluntary firemen of Sines, Petrogal - Sines refinery and Companhia

Nacional de Petroquímica.

Immediate Lessons Learned:

prevention: Yes **other:** No

mitigation: No

description:

Reinforcement of the prevention and safety means, in the frame of the personnel and of the equipments;

inspection of all openings in the roofs of the tanks for fuel and protection of all ventilators with a

narrow-meshed net.

Appendices for the FA / 1988_019_01 report

Appendix Short Report / description of suspected causes:

In the enquiry it was suspected that the accident could have been caused by the combustion of the gases released from the tank when it was hit by some mechanical splinters resulting from mechanical works in the top of the tank. The splinters reached an atmosphere of explosive gas probably existing in the upper part of the tank.