

Explosion i samband med underhållsarbete på en tank i metallindustrin.

970120

Svetsarbete påbörjades på en tank som felaktigt antogs vara tom på brandfarliga ämnen (LPG). Svetsningen antände gasen och underhållsarbetaren slungades 10 m bort och omkom vid explosionen. Ytterligare fem anställda skadades lindrigt, men fick även chockskador. Räddningstjänsten tillkallades och använde sökhundar för att undsätta offren.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
ospecificerade gaser (LPG)		okänt

Skador:

Människor:	En person omkom, och ytterligare fem anställda skadades lindrigt, men fick även chockskador.
Materiella:	Anläggningen skadades.
Miljö/ekologi:	Inga effekter rapporterade.
Infrastruktur:	Inga effekter.

Erfarenheter redovisade (Ja/Nej): Ja

Mycket kortfattat anges förebyggande åtgärder

Report Profile

Identification of Report:

country: FA ident key: 1800_205_01

reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 20/01/1997 start: 08:15:00

finish: 20/01/1997 finish: 08:15:00

Establishment:

name:

address:

industry: 2011 metal refining and processing (includes foundries, electrochemical refining, plating, etc.)

metal works - maintenance operations of LPG tanks

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:** 1800_205_01**Accident Types:****release:** No **explosion:** Yes**water contamination:** No **other:** No**fire:** No**description:**

in a LPG tanks renovation factory a tank with a capacity of 2,28 cubic metres (2,28 m3) supposedly empty on which an employee was performing some welding work exploded

Substance(s) Directly Involved:**toxic:** No **explosive:** Yes**ecotoxic:** No **other:** No**flammable:** Yes**description:**

the tank probably contained someLPG and may be also some methanol (used for cleaning purposes)

Immediate Sources of Accident:**storage:** No **transfer:** No**process:** Yes **other:** No**description:**

the tank was under renovation (normal activity of the establishment)

Suspected Causes:**plant or equipment:** No **environmental:** No**human:** Yes **other:** No**description:**

the tank under renovation probably had not been completely degasified

Immediate Effects:**material loss:** Yes**human deaths:** Yes

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

other: No

ecological harm: No

national heritage loss: No

description:

the worker performing the welding work was killed and his body was projected at a distance of 10 metres (10m).

5 other employees got under shock and were slightly injured. A third part of the workshop e.g. 1500 square metres (1500 m2) was ... see Appendix Short Report / description of immediate effects

Emergency Measures taken:

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

external services: Yes **restoration:** No

sheltering: No **other:** Yes

evacuation: No

description:

The fire fighters assisted by a team of search dogs intervened in order to help the victims

Immediate Lessons Learned:

prevention: Yes **other:** No

mitigation: No

description:

any operation on tanks having previously contained any kind of flammable liquid or gas shall be performed only after a complete degasification the results of which have to be verified (tested).

Appendices for the FA / 1800_205_01 report

Appendix Short Report / description of immediate effects:

the worker performing the welding work was killed and his body was projected at a distance of 10 metres (10m). 5 other employees got under shock and were slightly injured. A third part of the workshop e.g. 1500 square metres (1500 m2) was destroyed. There was no environmental impact.