

## Gräsbrand vid en anläggning för sprängämneshantering.

920630 MARS 1992\_07

Vid förbränning av en framdrivningsmedel för projektiler tog vinden tag i facklans låga. Gnistor spred sig till det torra gräset i omgivningen och gräs och undervegetation antändes. Beredskapen för brandbekämpning var god. Vattenslangar stod redo och bekämpningen kunde börja genast. Gräs och undervegetation brann upp på ett 1200 m<sup>2</sup> stort område. Branden hotade bl.a. en militär ammunitionsdepå.

### Inblandade ämnen och mängder

	CAS Nr.	Mängd
--	---------	-------

#### Skador:

Människor:	Inga.
Materiella:	Inga.
Miljö/ekologi:	Gräs och undervegetation brann upp på ett 1200 m <sup>2</sup> stort område.
Infrastruktur:	Inga.

#### Erfarenheter redovisade (Ja/Nej): Ja

Kortfattat anges förebyggande åtgärder.

## Report Profile

#### Identification of Report:

country: FA ident key: 1992\_007\_01

reported under Seveso I directive as major accident reports: SHORT

#### Date of Major Occurrence: Time of Major Occurrence

start: 1992-06-30 start: 11:00:00

finish: finish:

#### Establishment:

name:

address:

industry: - not applicable -

Waste Treatment & Disposal Industry (Explosive recovery and destruction)

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: 1992\_007\_01

**Accident Types:**

release: No explosion: No

water contamination: No other: No

fire: Yes

**description:**

In the plant propellant charge powder (NDT-3) is burnt following guidelines. The ignition is electrical. The powder burns with open flame without residual combustion products.... see Appendix Short Report / description of accident types

**Substance(s) Directly Involved:**

toxic: No explosive: No

ecotoxic: No other: No

flammable: No

**description:**

propellant charge powder (NDT-3) (EG-RL - ANNEX II No.2)

**Immediate Sources of Accident:**

storage: No transfer: No

process: No other: No

**description:**

- not applicable -

**Suspected Causes:**

plant or equipment: No environmental: Yes

human: No other: No

**description:**

... see Appendix Short Report / description of suspected causes

**Immediate Effects:**

material loss: Yes

human deaths: No

human injuries: No community disruption: No

**other:** No

**ecological harm:** Yes

**national heritage loss:** No

**description:**

Ecologic harm: Destruction of grass and undergrowth for about 1200 m2. It is believed that the fire place will be in use until 1994 and that the combustion process of will powder take place in open air.... see Appendix Short Report / description of immediate effects

**Emergency Measures taken:**

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

**external services:** No **restoration:** No

**sheltering:** No **other:** No

**evacuation:** No

**description:**

INTERNAL TO THE ESTABLISHMENT:... see Appendix Short Report / description of emergency measures taken

**Immediate Lessons Learned:**

**prevention:** Yes **other:** No

**mitigation:** No

**description:**

INTERNAL TO THE ESTABLISHMENT:... see Appendix Short Report / description of immediate lessons learned

## Appendices for the FA / 1992\_007\_01 report

**Appendix Short Report / description of accident types:**

In the plant propellant charge powder (NDT-3) is burnt following guidelines. The ignition is electrical. The powder burns with open flame without residual combustion products.

The fire safety measures taken worked well. The pressurised pipe was ready to use and the firefighting could begin immediately.

There was the danger to involve a nearby depot of the Federal Army.

very dry weather, sunny day with 30°C, sudden wind, wood fire type IV.

**Appendix Short Report / description of suspected causes:**

Due to sudden wind, the open flame bended and ignited the dry vegetation on the ground external to the fire site.

The ambient characteristics of the surroundings and the atmospherical conditions were not taken into account so the destruction of NDT-3 was started although it was a wood fire IV situation.

**Appendix Short Report / description of immediate effects:**

Ecologic harm: Destruction of grass and undergrowth for about 1200 m2. It is believed that the fire place will be in use until 1994 and that the combustion process of will powder take place in open air.

**Appendix Short Report / description of emergency measures taken:**

INTERNAL TO THE ESTABLISHMENT:

- Fire fighting bypressure water tube already prepared - End of burning of the propelling explosive.

EXTERNAL TO THE ESTABLISHMENT:

Instruction of a fire-guard in the time from 30 06 92 to 01 07 92, 5.00 hours. Increase of the measures to fight the fire, from the fire-brigades standing nearby the munition depot with their extinction devices.

**Appendix Short Report / description of immediate lessons learned:**

INTERNAL TO THE ESTABLISHMENT:

Adjust the amount of material to be destroyed to the weather conditions and limit the amount to a maximum of 100 kg.

EXTERNAL TO THE ESTABLISHMENT

Improvement of the fire extinction technique.

MEASURES TO PREVENT ANY RECURRENCE OF SIMILAR ACCIDENTS:

1. No destruction of propellant powder in wood fire IV situations
2. Planned operation of the new deflagrating apparatus in 1994.