

Dammexplosion på en fabrik för foderproduktion.

940615 MARS 1994_04

En dammexplosion inträffade då rapspulver skulle blåsas genom en slang. En brand uppstod. Räddningstjänsten larmades och anlände efter 5 minuter till platsen. Branden släcktes med skum och kolsyresnö.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
rapspulver		500 kg

Skador:

Människor: Inga.
Materiella: Brandskador på anläggningen.
Miljö/ekologi: Inga effekter rapporterade.
Infrastruktur: Inga.

Erfarenheter redovisade (Ja/Nej): Nej

Report Profile

Identification of Report:

country: FA ident key: 1994_004_01

reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 1994-06-15 start:

finish: finish:

Establishment:

name:

address:

industry: - not applicable -

Filling plant (directive BImSchV) for nourishment and forage, ca 500 tns of daily

power production

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: 1994_004_01

Accident Types:

release: No explosion: No

water contamination: No other: No

fire: No

description:

The aspiration plant was brought up for transporting colza scrap from a suitable truck to a row material acceptance point. 5 minutes after a deflagration occurred. Early the plant was in open flames. Due to the fire the production precipita... see Appendix Short Report / description of accident types

Substance(s) Directly Involved:

toxic: No explosive: Yes

ecotoxic: No other: No

flammable: Yes

description:

Ca 500 kg of colza scrap (explosive dust/air mixture)

Immediate Sources of Accident:

storage: No transfer: No

process: No other: No

description:

- not applicable -

Suspected Causes:

plant or equipment: No environmental: No

human: No other: No

description:

During starting up of aspiration plant a deflagration (chemical reaction) occurred.

Immediate Effects:

material loss: Yes

human deaths: No

human injuries: No community disruption: No

other: No

ecological harm: No

national heritage loss: No

description:

100,000 DM Material Loss

Emergency Measures taken:

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

external services: No **restoration:** No

sheltering: No **other:** No

evacuation: No

description:

The fire brigade was alerted and arrived after 5 minutes in the place of the accident.... see Appendix Short

Report / description of emergency measures taken

Immediate Lessons Learned:

prevention: Yes **other:** No

mitigation: No

description:

The competent authority ordered to realize an alarm system and plans to front the danger [expanded obligation

according to paragraph 1(2)] of the Major Accident ... see Appendix Short Report / description of immediate

lessons learned

Appendices for the FA / 1994_004_01 report

Appendix Short Report / description of accident types:

The aspiration plant was brought up for transporting colza scrap from a suitable truck to a row material acceptance point. 5 minutes after a deflagration occurred. Early the plant was in open flames. Due to the fire the production precipitated for 3 hours.

The row material acceptance point run with reduced capacity and without aspiration. People were not injured by the fire. The filter, together with blower and various pipes were completely destroyed. Electrical plants did not receive damages. 7 m² of plastic windows were deformed and should be replaced. No damage occurred to the environment.

Appendix Short Report / description of emergency measures taken:

The fire brigade was alerted and arrived after 5 minutes in the place of the accident.

The open flames were confined Through the existing CO₂-fire-extinguishing appliances.

The residual fires were fought by foam. When all the flames were extinguished, the plant was unblocked by the firemen. The fire brigade remained in the place for observation. The pipe segment containing colza scrap was full of smoke and should be emptied. It has been mounted a provisional pointfilter.

Appendix Short Report / description of immediate lessons learned:

The competent authority ordered to realize an alarm system and plans to front the danger [expanded obligation according to paragraph 1(2)] of the Major Accident

Hazard Regulation. The plant was built up with point filters to realize an independent dusting system (measures for decoupling plants with danger of explosion).