

Naturgasutsläpp från en petrokemisk anläggning.

970706

Till följd av en blockerad rörledning uppstod en överhettning av gasen och trycket steg. Säkerhetsventilen öppnades automatiskt, men slöts inte som den skulle efteråt. Gasmolnet skingrades utan att antändas. Olyckans orsak tillskrevs både bristfälliga procedurer och en bristfällig säkerhetsventil.

Inblandade ämnen och mängder

| | CAS Nr. | Mängd |
|-------|---------|------------|
| metan | 74-82-8 | ca 106 ton |

Skador:

| | |
|----------------|--|
| Människor: | Det noteras att lokalbefolkningen klagade över dålig hälsa som en följd av utsläppet, men det avfärdas med att detta är ett ständigt klagomål. |
| Materiella: | Inga skador. |
| Miljö/ekologi: | Inga effekter rapporterade. |
| Infrastruktur: | Inga effekter. |

Erfarenheter redovisade (Ja/Nej): Ja

Kortfattat anges förebyggande åtgärder

Report Profile

Identification of Report:

country: FA ident key: 1800_013_01

reported under Seveso I directive as major accident reports: SHORT

Date of Major Occurrence: Time of Major Occurrence

start: 06/07/1997 start: 16:10:00

finish: 06/07/1997 finish: 19:45:00

Establishment:

name:

address:

industry: 2002 petrochemical, refining, processing

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_013_01

Accident Types:

release: Yes explosion: No

water contamination: No other: No

fire: No

description:

Release reportable because: 1) It was an uncontrolled event, 2) There was danger created to people on-site, 3)

It involved the substance that gives the site CIMAH status.

Substance(s) Directly Involved:

toxic: No explosive: No

ecotoxic: No other: No

flammable: Yes

description:

Natural Gas (methane etc.), about 106 tonnes

Immediate Sources of Accident:

storage: No transfer: No

process: Yes other: No

description:

Release from slue-catcher on gas inlet to site from North Sea. Slue-catcher shut in. Pressure in slue-catcher rose due to thermal expansion. PRV lifted, but failed to re-seat.

Suspected Causes:

plant or equipment: Yes environmental: No

human: Yes other: No

description:

1) Operating at pressure to close to PRV setting with no appreciation that thermal expansion could occur. 2) Maintenance of PRV - its failure to reseat was due to internal damage. 3) Poor commissioning of PRV isolation valves, which failed ... 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: No

national heritage loss: No

description:

No on-site or off-site effects, no ignition gas dispersed. Local residents alleging ill health as a consequence, but this is part of a long term ongoing complaint.

Emergency Measures taken:

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

external services: No **restoration:** No

sheltering: No **other:** No

evacuation: No

description:

not necessary to take emergency measures.

Immediate Lessons Learned:

prevention: Yes **other:** No

mitigation: No

description:

1) Change to operating parameters and procedures - PN issued requiring such changes. Re-setting of alarms to identify pressure rise, with manual controlled venting if necessary.

Appendices for the FA / 1800_013_01 report

Appendix Short Report / description of suspected causes:

1) Operating at pressure to close to PRV setting with no appreciation that thermal expansion could occur. 2) Maintenance of PRV - its failure to reseal was due to internal damage. 3) Poor commissioning of PRV isolation valves, which failed to work.