

Miljöutsläpp från en vinfabrik.

960422

Vid överföring av vitt vin mellan två tankar under natt lossnade en rörledning nedströms pumpen. Då ingen arbetare var närvarande under natt upptäcktes inte missödet och vinet strömmade ut i floden. Uppskattningsvis mellan 7 och 9 ton fisk dog. Det finns en möjlighet att förorening från ett jordbruk uppströms vinfabriken kan ha bidragit till de allvarliga följderna, men detta har inte kunnat påvisas.

Inblandade ämnen och mängder

	CAS Nr.	Mängd
vitt vin		570 m3

Skador:

Människor:	Inga personskador.
Materiella:	Förlust av 570 m3 vin.
Miljö/ekologi:	Omfattande fiskdöd längs 80 km av flodsystemet. Uppskattningsvis mellan 7 och 9 ton fisk dog.
Infrastruktur:	Inga effekter.

Erfarenheter redovisade (Ja/Nej): Ja

Mycket kortfattat anges förebyggande åtgärder

Report Profile

Identification of Report:

country: FA ident key: 1800_206_01

reported under Seveso I directive as major accident reports: SHORT+FULL

Date of Major Occurrence: Time of Major Occurrence

start: 22/04/1996 start:

finish: 26/04/1996 finish:

Establishment:

name:

address:

industry: 2019 food and drink

wine-production and distillery

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_206_01

Accident Types:

release: Yes **explosion:** No

water contamination: Yes **other:** No

fire: No

description:

Serious damage to the aquatic fauna (7 to 9 tons of fish killed)

Substance(s) Directly Involved:

toxic: No **explosive:** No

ecotoxic: No **other:** Yes

flammable: No

description:

white wine (568 cubic metres, 568 tons)

Immediate Sources of Accident:

storage: Yes **transfer:** Yes

process: No **other:** No

description:

Transfer of wine between 2 tanks with the help of pipes and a pump. Operation started at 21 h (9 o'clock in the evening) and continued during all the night in absence of the employees (workers)

Suspected Causes:

plant or equipment: Yes **environmental:** No

human: No **other:** No

description:

disconnection of the pipe down stream of the transfer pump, not detected because of to the absence of the personnel.

Immediate Effects:

material loss: No

human deaths: No

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

other: No

ecological harm: Yes

national heritage loss: No

description:

Pollution along 80 kilometres of rivers (4 rivers affected in two departments), 7 to 9 tons of fish killed.

Emergency Measures taken:

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

external services: No **restoration:** No

sheltering: No **other:** Yes

evacuation: No

description:

water sampling upstream and downstream from the release.

Immediate Lessons Learned:

prevention: Yes **other:** No

mitigation: No

description:

realisation of an impact analysis of the releases deriving from accidents on the receiving environment (EIA-
Environmental Impact Assessment of the consequences of (the) accidental release(s).

A Occurrence Full Report

country: FA **ident key:** 1800_206_01

1 Type of Accident

remarks: - not applicable -

2 Dangerous Substances

remarks: - not applicable -

3 Source of Accident

illustration: no attached material

remarks: - not applicable -

4 Meteorological Conditions

precipitation none: **fog:** **rain:** **hail:** **snow:**

No No No No No

wind speed (m/s):

direction (from):

stability (Pasquill):

ambient temperature (°C):

remarks: - not applicable -

5 Causes of Major Occurrence

main causes

technical / physical 5102 operation: component/machinery failure/malfunction

- not applicable -

- not applicable -

- not applicable -

- not applicable -

human / organizational - not applicable -

- not applicable -

- not applicable -

- not applicable -

- not applicable -

remarks: the operator left his post (place) leaving the pumping installations in service. A pipe disconnects down-stream from the pump

6 Discussion about the Occurrence

- not applicable -

Type of Accident country: FA ident key: 1800_206_01

event:

major occurrence 1103 release: fluid release to water

initiating event - not applicable -

associated event - not applicable -

Dangerous substances

country: FA ident key: 1800_206_01

a) total establishment inventory

CAS number: identity: white wine

name from Seveso I Directive: - not applicable -

name from Seveso II Directive: - not applicable -

category from Seveso II: - not applicable -

other hazards (1): - not applicable -

other hazards (2): - not applicable -

maximum quantity (tonnes): -1

use of substance as: normal finished product

b) substance belongs to relevant inventory directly involved: Yes

actual quantity: 568 **potential quantity:** -1

c) substance belongs to relevant inventory indirectly involved: No

actual quantity: 0 **indir_pot_quant:** 0

Source of Accident - Situation country: FA ident key: 1800_206_01

situation

industry

initiating event - not applicable -

associated event - not applicable -

activity/unit

major occurrence 3201 storage: process-associated (stockholding, etc. on-site of manufacture)

initiating event - not applicable -

associated event - not applicable -

component

major occurrence 4011 general pipework/flanges

initiating event - not applicable -

associated event - not applicable -

B Consequences Full Report

country: FA ident key: 1800_206_01

1 Area concerned

affected

extent of effects installation: Yes

establishment: No

off-site; local: Yes

off-site; regional: Yes

off-site; transboundary: No

illustration of effects no attached materials

remarks The destruction of the aquatic fauna (dead fish observed along 80 kilometres of ... see Appendix

Full Report B / area concerned - remarks

2 People

establishment popul. emergency personnel off-site population

total at risk -1 -1 -1

immediate fatalities 0 0 0

subsequent fatalities 0 0 0

hospitalizing injuries 0 0 0

other serious injuries 0 0 0

health monitoring 0 0 0

remarks - not applicable -

3 Ecological Harm

pollution/contamination/damage of:

- residential area (covered by toxic cloud) No

- common wild flora/fauna (death or elimination) Yes

- rare or protected flora/fauna (death or elimination) No

- water catchment areas and supplies for consumption or recreation No

- land (with known potential for long term ecological harm or No

preventing human access or activities)

- marine or fresh water habitat No

- areas of high conservation value or given special protection No

remarks - not applicable -

4 National Heritage Loss

effects on:

- historical sites None - historic monuments None

- historic buildings None - art treasures None

remarks - not applicable -

5 Material Loss

establishment losses off site losses

costs (direct costs to operator) (social costs)

in ECU FFR ECU FFR

material losses -1 -1 -1 -1

response, clean up, restoration -1 -1 -1 -1

remarks - not applicable -

6 Disruption of Community Life

establishment/plant evacuated disabled/unoccupiable destroyed

- nearby residences/hotels No No No

- nearby factories/offices/small shops No No No

- schools, hospitals, institutions No No No

- other places of public assembly No No No

interruption of utilities etc. no / yes duration

- gas No

- electricity No

- water No

- sewage treatment works No

- telecommunications No

- main roads No

- railways No

- waterways No

- air transport No

significant public concern none local level national level

- off site populations No No No

- media interest No No No

- political interest No No No

remarks - not applicable -

7 Discussion of Consequences

- not applicable -

Ecological Components involved

country: FA ident key: 1800_206_01

type: 6204 freshwater: river

threatened: not applicable affected: Yes

C Response Full Report

country: FA ident key: 1800_206_01

1 Emergency Measures

taken - on site - not applicable - - not applicable -

- not applicable - - not applicable -

- not applicable - - not applicable -

- off site - not applicable - - not applicable -

- not applicable - - not applicable -

- not applicable - - not applicable -

still - on site - not applicable - - not applicable -

required

- not applicable - - not applicable -

- not applicable - - not applicable -

- off site - not applicable - - not applicable -

- not applicable - - not applicable -

- not applicable - - not applicable -

continuing contamination or danger

-on site not applicable

-off site not applicable

remarks - not applicable -

2 Seveso II Duties

pre-accident evaluation

Article item not due yet not done done/submitted evaluated

6 notification No No No No

7 policy (MAPP) No No No No

9 safety report No No No No

9, 10, 11 update No No No No

11 internal plan No No No No

11 external plan No No No No

13 informing public No No No No

9, 12 siting policy No No No No

post-accident evaluation

Seveso II duty was actual were actual compared with actual

contingency consequences consequences, the

addressed? addressed? predicted extent was?

Article item

7 policy (MAPP) not applicable not applicable not applicable

9 current safety report not applicable not applicable not applicable

11 internal plan not applicable not applicable not applicable

11 external plan not applicable not applicable not applicable

13 informing public not applicable not applicable not applicable

9, 12 siting policy not applicable not applicable not applicable

evaluation of safety organisation

organisational element element existed did element relate to actual circumstances of

yes / no no / partly / yes adequate?

- written policy objectives No

- specified management No

structure

- specified responsibilities No

- specified working procedures No

- specified procedures for No

assessment/auditing of

management system

- specified procedures for No

review and update of

management policy

- specified general training No

procedures

- specified emergency No

training procedures

evaluation of ecological impact control

organisational element element existed did element relate to actual circumstances of

yes / no no / partly / yes adequate?

- ecological status review No

before incident

- potential ecological No

consequences assessment

- ecological impact review No

after incident

- ecological restoration No

procedures

- subsequent review of No

restoration success

remarks - not applicable -

3 Official Action Taken

legal action

- not applicable -

other official action

- not applicable -

4 Lessons Learned

measures to prevent recurrence

no information is given

measures to mitigate consequences:

no information is given

useful references:

no information is given

5 Discussion about Response

- not applicable -

Appendices for the FA / 1800_206_01 report

Appendix Full Report B / area concerned - remarks:

The destruction of the aquatic fauna (dead fish observed along 80 kilometres of the river) is attributed to this accidental release. However reference is also made to a pollution originating from agriculture due to a important (strong) thunder-storm two days after the accident, but it has not been proved.