

FOLLOW-UP ACTION TAKEN

1st incident

After investigating the first incident by the company, the following recommendations were reported to the authorities in order to avoid similar incidents in the future:

- lowering the maximum working level (MWL) to 1000 mm instead of 400 mm;
- hire a cleaning company at an earlier stage to save on the costs of soil remediation;
- in the case of a change of the MWL, verify that all possibilities for liquid to flow out has been reviewed in the MOC.

2nd incident

After investigating the second incident by the company, the following recommendations were reported:

- keeping the area wet when performing welding operations at tank;
- clear instructions for the firefighter to recognize flammable material in time.

LESSONS LEARNT

From the examples mentioned above it is clear that the quality of incident reports is inadequate. The correct root causes that could explain direct cause are not described:

- The MOC alternative homogenization was inappropriate. What is the reason for it ? Why the MOC did not identified this?
- The dome of the tank turned out not to be closed. The cause of this structural mistake is not investigated.
- The dangers of contaminated tank pit bottom was not identified. What can explain it?

The consequence is that the recommendations identified to prevent similar incidents in the future, are incorrect. Unfortunately, this is a trend in many of the incident reports received by the competent authority. Thus in many cases, the legal obligation for a thorough investigation of the root causes of incidents, is not met. In view of this shortcoming, the competent authority must take corrective actions against the operators.

Guidance document for incident investigation

The Environmental Service North Sea Canal area (ODNZKG) has decided to stimulate structural improvement of accident reports. By communicating to companies why, which and how companies must provide information when submitting accident reports, ODNZKG expects to make a positive contribution to improving the quality of the reports. As a result, it is expected that correct root causes are better identified, and recommendations are formulated which may lead to substantial improvements. This insight will also contribute to a higher safety awareness for the companies. In addition to the preventative approach, ODNZKG also has the legal competence to deploy enforcement measures.

In the Netherlands, the obligations for providing information about incidents to the competent environmental authority is laid down in the Environmental Act (article 17.2). This article is not very clearly formulated, and can be interpreted in various ways. For this reason, ODNZKG has made a guidance document for the companies, in which the service indicates how it deals with the interpretations of the article mentioned above.

The guidance document is divided into the following parts:

- a flowchart to determine the use of the limited or extensive reporting requirements. This includes the assessment of whether there is a notification obligation in accordance with article mentioned above;
- requirements for a limited accident reporting;
- requirements for an extensive accident reporting.

In drafting the flowchart use is made of case-law jurisprudence, case studies, and other existing helpful material and schemes. The flowchart offers a step by step approach, with examples and/or an explanation for each step.

Following the flowchart it should be clear whether a company needs to submit a notification of an incident to the competent authority and when this is the case, which form of incident reporting will be needed.

The result is a guidance document for Seveso and Industrial Emission Directive 4 (IED4) companies, in which is indicated when an accident should be reported to the competent authority and what information should be supplied by the company, in case an accident report is needed.

When companies provide their information in accordance with the guidance document, the content of the document should be assessed uniformly. To do so, ODNZKG is developing an assessment protocol for the accident reports. In addition, the protocol describes the working process of ODNZKG to verify proper implementation and working of the recommended measures included in the accident reports.