

- declare whether or not the plant has taken special precautions against chemical accidents, and describe these in a general way if applicable;
- declare whether or not the plant uses or produces chemicals listed under schedules 2 or 3 of the convention; If so, which chemicals are used, for which purposes, and how much per annum;
- declare whether or not any of the following equipments is installed in the plant: (the list used for this purpose was drawn from annex 2 of the report on the National Trial Inspection of Australia, CD/910 of April 4th, 1989, page 21), and give a justification if applicable.

In the further course of the inspection the following activities were undertaken:

1. Computer evaluation of the "chemical capability" of the inspected plant

A computer program was used to assess whether or not a production of schedule-1-compounds is chemically possible with the material present at the plant. Given the nature of the plant and the chemicals used there, the expected positive result was computed.

Yet, there was no synthetic path computed with the chemicals (starting chemicals, intermediates, final products) available at the plant which would have allowed to produce a schedule-1-chemical in a one- or two-step synthesis and without access to additional chemicals not present at the site during the inspection. Some of these chemicals might, of course, be accessible from other factories at the complex. This was not however verified during the inspection.

2. Visual inspection of the plant

A close visual inspection of the plant was conducted in order to qualitatively verify data provided by the management of the factory and to gather relevant information for completion of the risk assessment as briefly described above. The following observations were regarded relevant in this respect:

- The plant has no automatic alarms or sensor arrays for highly toxic chemicals installed.
- The plant is using equipment which would not have allowed to provide the leakage-tightness necessary to produce supertoxic-lethal chemicals if plant personnel was not operating under full protection (also validated by analytical results in the plant area).
- The plant's waste-water treatment system would be unsuited for cleaning-up waste streams from nerve-agent production.
- The plant's effluent-gas cleaning system was also considered unsuited for the purposes of nerve agent production, a usual reactor ventilation system is operated.
- The equipment used at the plant would not allow to process highly corrosive materials (such as HF).