

The basis for the trial has been the following mandate:

"Verify whether or not at the WOFATOX-plant, part of the larger industrial complex of Chemiekombinat Bitterfeld and located in Wolfen, GDR, any organophosphorous chemical listed under schedule 1 has been produced".

The inspection aim was thus not limited to verification of compliance at the time of inspection. An unspecified retrospective compliance validation was also requested. Verification results would have the nature of a probability statement with decreasing reliability for increasing retrospective time coverage.

The approach designed for the trial challenge inspection was a "layered inspection methodology" (i.e., a step-by-step approach) with increasing intrusion triggered by the results of the less-intrusive inspection layers (phases) together with an assessment of these results in the light of the circumstances and particularities encountered. That was considered to allow an inspection team to develop its actual inspection strategy depending on the specific situation at the site. Four such inspection layers (phases) were designed. Consideration was also given to the possibility that the plant management, in case that treaty provisions had been violated, had implemented a counter-inspection strategy in order to cover-up clandestine activities. It was assumed that the inspectorate would have no specific beforehand knowledge on the plant to be inspected.

In the actual inspection experiment, only some crucial increments of the methodical concept were in fact put to test while others were validated theoretically.

## 2. Description of the inspection methodology

The detailed methodical approach is described in another working paper. In the following, the aims of the four phases are briefly described.

### Phase 1

Detection and identification of chemicals listed under schedule 1 at the inspected plant pursuant to the inspection mandate (i.e., organophosphorous schedule-1-chemicals in this trial inspection).

This phase was considered mandatory for any challenge inspection in an industrial plant. It was also considered to correspond to the aim of an Ad-Hoc-type inspection.

### Phase 2

Assessment of the plant with the aim to conclude whether or not it may pose an immediate and high risk to the objectives of the convention. Risk in this context was understood to comprise both the potential CW capability of the plant and its roughly estimated capacity in case it was assessed