

non-production of chemicals in Schedule [2] and [3] is a point for further discussion (e.g. because of possible presence of quantities below the thresholds of declaration, and because the required inspection equipment is not yet readily available).

We believe, however, that the logical structure of article VI requires that verification of non-production is not limited to compounds in Schedule [1].

**C 8. Feasibility of verification of non-production**

In the case of a multi-purpose plant comprising many production units, widening the scope of verification of non-production from a narrow concentration on one production unit to inspection of a whole plant represents a considerable change of the character of the inspection.

At first sight, the large increase in the number of production units to be inspected might appear to create unsurmountable difficulties. We believe, however, that a solution for these problems, although not readily at hand, is within reach, certainly as far as non-production of chemical warfare agents is concerned.

**C 8.1 Verifying non-production by inspecting the production equipment**

In a very large number of cases non-production of certain scheduled chemicals could be verified by inspecting the equipment of the plant on the basis of criteria such as mentioned in para C 4.

It is relatively easy to verify the non-production of the supertoxic lethal chemicals in Schedule [1]. The combination of the volatility and high toxicity of these chemicals requires such high standards of safety and gas-tightness, that a visual inspection of the equipment will in the great majority of cases be enough to decide that production of these chemicals cannot take place in any substantial quantities. This is also the case for the potential warfare agents in Schedule [3].

The same seems also to hold for DF (no 8 in Schedule [1]) as only few plants seem to comprise large scale hydrogen-fluoride resistant production vessels.

As verification by inspecting the characteristics of the equipment would be less intrusive than analysis of samples, it would seem useful to consider into more detail the criteria that could help to decide that production installations are not capable to produce certain scheduled chemicals.

**C 8.2 Verifying non-production by analysis of samples**

In case a plant does comprise reactors and buildings that are relevant according to criteria such as enumerated in para C 4, it will be necessary to take and analyse samples. The same holds for verification of non-production of BZ and QL (both also in Schedule [1]) since these chemicals can be produced in reactortypes that are