

process monitoring equipment may contribute useful information to verification that the process has not only been stopped but has not been resumed.

3. Seals, surveillance, containment

Verification of the inactive status of CW production facilities is a key item. This can be done by using both process monitoring instruments and S/C equipment. Detailed planning can be done only when detailed information exists about the facilities and on the methods used for deactivation.

The required S/C equipment - tamper indicating seals, tags, videosystems, sensors and data authentication means - exist. Also systems for rapid data and image transmission as well as for query and response system are commercially available. Further studies on their applicability for CWC verification purposes are needed.

C. Chemical weapons destruction facilities¹

1. Sampling and analysis

The group considered it very important that the initial declarations are verified at the destruction facilities irrespective of their verification at the storage site. For this purpose the inspectors may use the instruments of the destruction facility or bring with them their own equipment if they deem it necessary. The instruments will be tested and fully validated by the inspectors using Secretariat validated standards.

Monitoring of known chemicals is performed to verify chemicals and mixtures of chemicals in formulates. The most appropriate techniques are GC-MS, GC-FTIR and IR with multivariate software package. The selection of instruments is made on the basis of the initial declarations.

1) The Group noted that some aspects of the current rolling text (p. 84-86) which have technical implications need attention and possibly clarifications. This include i.a. the following:

- the terms "system of verification" (para 3 c, p. 84) and "proposed measures for verification" and their interrelationship,
- the fact that some destruction facilities will already be in operation by the time the Convention enters into force and the implications this may have on the initial declarations and to their operation during the immediate period after coming into force,
- the rolling text states (para 7e, page 86, CD/952) that the inspectors shall "bring with them and use such agreed instruments as may be necessary for the completion of their tasks" and that "samples will be taken and analyzed by