

Bulk items arriving from the munition holding area are drained in the bulk item facility area of the projectile disassembly facility. The metal parts are subsequently processed through the metal parts furnace system, while the agent is piped into an agent holding tank.

Agent from the holding tank is injected into a furnace, through a probe, onto a hot metal surface. The agent flash vaporizes and is processed through a fume burner and scrubbing system very similar in situ incineration. (For the CAMDS tests the metal parts furnace is being used. However, the Johnston Atoll destruction facility now being designed includes a separate liquid incinerator.)

IV. Illustrative on-site inspection procedures

Previous discussions have led to agreement that verification procedures for destruction of declared stocks should be designed:

- to confirm the identity and quantity of the materials destroyed; and,
- to confirm that the materials have actually been destroyed. In this respect, it would be important to confirm that the process destroyed the materials completely and that nothing was diverted in lieu of being processed.

Specific on-site monitoring and inspection procedures which might be used at the CAMDS facility to carry out these verification tasks are discussed below. While these procedures are designed for a specific facility, they incorporate several general principles which are applicable to any process for chemical agent destruction:

- a combination of human inspection and monitoring with sensors is necessary for effective verification;
- a detailed engineering review of the facility by international verification personnel, including on-site inspection, is necessary before destruction operations begin;
- inspection must be continuous during periods in which destruction operations are under way;
- inspectors must be qualified personnel and have a comprehensive, up-to-date knowledge of the design and operation of the destruction facility;
- inspectors must be permitted to confirm the validity of all data used for verification purposes;