

1986 Weinstock E.V., Fainberg, A. "Verifying a Fissile Material Production Freeze in Declared Facilities, with Special Emphasis on Remote Monitoring". Arms Control Verification, Pergamon-Brassey's.

The article is in the same book as, and complements, the previous reference. Descriptions of the technology for monitoring nuclear materials in declared civilian facilities are provided and the methods and equipment available for monitoring a materials cut-off are clearly described. An excellent overview is given of the problems and available solutions in the international effort to restrict the production of nuclear materials.

1993 Perkins, R.W., Wogman, N.A. "Current and Potential Technologies for the Detection of Radionuclide Signatures of Proliferation (R & D Efforts)", Pacific Northwest Lab., Department of Energy International Safeguard Meeting.

The many potential nuclear signatures of weapon fissile material are identified. The potential diversion paths discussed are fuel fabrication, uranium enrichment, reactor operation for plutonium production, fuel reprocessing for plutonium extraction, weapons fabrication and U-233 production. The most definitive signatures and appropriate environmental sampling and analysis techniques for observing the nuclear signatures are discussed, with the focus on technologies for the detection of diversion signatures that are in the concept or research and development stage.