Fissile Materials Bibliography

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Overview

Acronym Institute Online. www.gn.apc.org/acronym

Provides links to information regarding nuclear policies with updates on the negotiations. The Institute publishes CD reports as well as Disarmament Diplomacy.

- Arms Control Today Online. www.armscontrol.org/ACT/act.html
 - Contains an archive of all recent editions of Arms Control Today, indexed according to authors, subject and date.
- Arnett, E., ed. Nuclear Weapons after the Comprehensive Test Ban: Implications for Modernizations and Proliferation. New York: Oxford University Press, 1996.
- Bailey, K.C. "A Critique of the Fissile Materials Cutoff Proposal." *Director's Series on Proliferation* 8 (1995). Livermore: Lawrence Livermore National Laboratory: 55–62. www.llnl.gov/tid/lof
- Barnaby, F. "The Need for an Effective Ban on the Production of Fissile Materials Usable in Nuclear Weapons." *Disarmament Diplomacy* 2 (1996): 2–4. www.gn.apc.org/acronym/ddo2.htm#T-0007
- Bragin, V., J. Carlson and J. Hill. "Verifying a Fissile Material Production Cut-Off Treaty." *The Nonproliferation Review* 6 (Fall 1998): 97–107.
- Chittaranjan, K. "Fissile Material Containment Efforts: An Overview." Strategic Analysis 20 (July 1997): 623–33.
- Coalition to Reduce Nuclear Danger. www.clw.org/pub/clw/coalition/index.html
 - This comprehensive site contains press releases, issue briefs and links to other sites, all pertaining to nuclear non-proliferation.
- "Coalition to Reduce Nuclear Danger's Statement of Principles." Arms Control Today (April 1996): 28–29.
- Datt, S. "Fissile Material Cut-Off Treaty: A Critique." Strategic Analysis 21 (1998): 1685-701.

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- www.idsa-india.org/an-feb-7.html
- Feiveson, H. The Nuclear Turning Point: A Blueprint for Deep Cuts and De-Alerting of Nuclear Weapons. Washington, D.C.: Brookings Institution, 1999.
- Fetter, S. "Future Directions in Nuclear Arms Control and Verification." *INESAP Information Bulletin* 15 (April 1998): 50–54. www.th-darmstadt.de/ze/ianus/inesap/inesap.htm
- "Fissile Materials Facts and Figures." The Bulletin of the Atomic Scientists 53 (May/June 1997): 9.
- Infomanage International Web Site. www.infomanage.com/nonproliferation
 - Provides useful links to nuclear non-proliferation web pages, papers and press releases as well as background information and reports on the negotiations.
- International Atomic Energy Agency Homepage. www.iaea.org
 - This web site provides a forum for information regarding nuclear materials. The IAEA Bulletin is available online and contains a searchable index.
- Johnson, R. "CD Dominated by Tests and Calls for Nuclear Disarmament and Fissile Material Cut-Off." Disarmament Diplomacy 27 (1998): 11–15. www.gn.apc.org/acronym/27genev.htm
- Kalinowsi, M. "Fissile Cutoff: Overcoming the Disarmament Deadlock." *INESAP Information Bulletin* 13 (July 1997). www.th-darmstadt.de/ze/ianus/inesap/inesap.htm
- Khan, H. "The Fissile Material Cut-Off Treaty: Addressing the Issues of an FMCT." Disarmament 20 (1997): 41–51.
- NGO Committee on Disarmament. "Banning Fissile Material for Weapons Production." www.igc.apc.org/disarm/95fiss.html
- Nuclear Control Institute. www.nci.org/home.htm
 - This site provides information on nuclear proliferation, with more specific information on plutonium and uranium management.
- Schaper, A. "Fissile Cutoff: Scope and Verification." *INESAP Information Bulletin* 14 (Nov. 1997). www.th-darmstadt.de/ze/ianus/inesap/inesap.htm
- United Nations Department for Disarmament Affairs. The United Nations Disarmament Yearbook. United Nations Publications: New York, 1998. Updated yearly.
- United States Government Arms Control and Disarmament Agency. "Fissile Material Production Cut-Off Treaty (FMCT) Negotiations," www.acda.gov/fissile.htm
- Von Hippel, F. "Paring Down the Arsenal." *The Bulletin of the Atomic Scientists* 53 (May/June 1997): 33–40.

Management of Materials

SECURITY, SAFEGUARDS AND MANAGEMENT OF STOCKPILES

Allison, G.T., et al. Avoiding Nuclear Anarchy: Containing the Threat of Loose Russian Nuclear Weapons and Fissile Material. MA: MIT Press, 1996.



Bibliography two ● 1999

Amarillo National Resource Center for Plutonium. "A Searchable Library of Plutonium Information." http://plutonium-erl.actx.edu

- Bukharin, O. "Achieving Safeguards Sustainability in Russia." *The Monitor* 4 (Spring/Summer 1998): 24–28. www.uga.edu/cits/pub/monitor.htm
- ---. "Securing Russia's HEU Stocks." Science & Global Security 7 (1998): 311–33.
- ——. "Upgrading Security at Nuclear Power Plants in the Newly Independent States." *The Nonproliferation Review* 4 (Winter 1997): 28–39.
- Carnegie Endowment for International Peace. "Nuclear Successor State to the Soviet Union: Nuclear Weapons, Fissile Materials, and Export Control Status, Report Number 5." www.ceip.org/pubs/pubsnucl.html
- Council for a Liveable World Web Site. *Arms Control Briefing Book: Arms Control and Security in the Post-Cold War Era* (March 1998). www.clw.org/ef/acbb/acbb1998.html
- Doyle, J. "Improving Nuclear Materials Security in the Former Soviet Union: Next Steps for the MPC&A Program." *Arms Control Today* 28 (March 1998): 12–18. www.armscontrol.org/ACT/march98/doyle.htm
- Fischer, D. "New Directions and Tools for Strengthening IAEA Safeguards." *The Nonproliferation Review* 3 (Winter 1996): 69–76.
- —. "Safeguards for a World Free of Nuclear Weapons." *INESAP Information Bulletin* 14 (Nov 1997). www.th-darmstadt.de/ze/ianus/inesap/inesap.htm
- Jenkins, B.D. "Establishing International Standards for Physical Protection of Nuclear Material." *The Nonproliferation Review* 5 (Spring/Summer 1998): 98–110.
- Kopte, S., M. Renner and P. Wilke. "The Cost of Disarmament: Dismantlement of Weapons and the Disposal of Military Surplus." *The Nonproliferation Review* 3 (Winter 1996): 33–45.
- McGoldrick, F. "US Fissile Material Initiatives: Implications for the IAEA." *IAEA Bulletin* (37.1). www.iaea.org/worldatom/inforesource/bulletin/bulletinv37n1.html
- "Physical Protection of Nuclear Materials: Experience in Regulation, Implementation and Operations."

 Conference Proceedings: 10–14 November 1997. www.iaea.org/worldatom/publications/98pubs/pp98.html
- RAND. "Controlling the Flow of Weapons-Usable Fissile Materials." www.rand.org/publications/RB/RB7405/
- Schaper, A. "Viewpoint: The Case for Universal Full-Scope Safeguards on Nuclear Material." *The Nonproliferation Review* 3 (Winter 1996): 69–80.
- Van Moyland, S. "Progress on Protocols: The IAEA's Strengthened Safeguards Programme." Disarmament Diplomacy 27 (1998): 9–10. www.gn.apc.org/acronym/27proto.htm
- Von Hippel, F. "The Department of Energy's Stockpile Stewardship Program." Federation of American Scientists Public Interest Report 50 (1997): 7–9.

Smuggling

Orzag-Land, T. "Low-Grade Nuclear Material a Global Threat Too." The Christian Science Monitor,



- 8 September 1997: 19.
- Renssalaer, L. "Smuggling Update." *The Bulletin of the Atomic Scientists* 53 (May/June 1997): 52–56. www.bullatomsci.org/issues/1997/mj97/lee.html
- Schaper, A. "Nuclear Smuggling in Europe—Real Dangers and Enigmatic Deceptions; Paper presented at the Forum on Illegal Nuclear Traffic, Risks, Safeguards and Countermeasures." Como, Villa Como, 11–13 June 1997. www.twilight.dsi.unimi.it/~uspid/como97.html
- United States Congress—Hearings before Subcommittee on European Affairs on the Committee of Foreign Relations. Loose Nukes, Nuclear Smuggling, and the Fissile Material Problem in the Russian Federation. Washington, D.C.: G.P.O., 22 August 1995.

Scientific Debate

PLUTONIUM AND URANIUM MANAGEMENT

- "Agreement Reached on International Guidelines for the Management of Plutonium." INESAP Information Bulletin 15 (April 1998): 59.
- Ahearne, J.F., et al. "Excess Weapons Plutonium: How to Reduce a Clear and Present Danger." *Arms Control Today* (Nov/Dec. 1996): 3–9.
- Albright, D.F., F. Berkhout, and W. Walker. *Plutonium and Highly Enriched Uranium 1996–World Inventories, Capabilities, and Policies*. Oxford: Oxford University Press, 1997.
- Burkharin, O. "The Future of Russia's Plutonium Cities." *International Security* 21 (1997): 127–58. Federation of American Scientists. www.fas.org/nwp
- Lyman, E. "Weapons Plutonium: Just Can It." *The Bulletin of the Atomic Scientists* (Nov/Dec. 1996): 48–52.
- Macfarlane, A. "Immobilisation of Excess Weapons Plutonium." INESAP Information Bulletin 13 (July 1997). www.th-darmstadt.de/ze/ianus/inesap/inesap.htm
- Makhijani, A. Fissile Materials in a Glass, Darkly: Technical and Policy Aspects of the Disposition of Plutonium and Highly Enriched Uranium. Maryland: IEER Press, 1995.
- Makhijani, A. and A. Seth. "L'utilisation du plutonium militaire comme combustible de réacteur." Énergie et Sécurité 3 (1998). www.ieer.org/ieer/ensec/no-3/no3frnch/contents.html
- Oi, N. "Plutonium Challenges: Changing Dimensions of Global Cooperation." *IAEA Bulletin* 40.7. www.inforesource/bulletin/bull401/article3.htm
- Timerbayev, R. "Solutions to the Problem of Storing and Utilizing Plutonium Are Yet to Be Found." *The Monitor* 3 (Spring 1997): 32–35. www.uga.edu/cits/pub/monitor.htm
- Von Hippel, F. "Usability of Reactor-Grade Plutonium in Nuclear Weapons: A Reply to Alex DeVolpi." *Physics and Society* 26 (1997): 10–11. physics.wm.edu/~sher/cju197.html#a1



Bibliography two ● 1999

DISPOSAL AND CONVERSION

Berkhout, F. "Control and Disposition of Fissile Materials." *INESAP Information Bulletin* 13 (July 1997). www.th-darmstadt.de/ze/ianus/inesap/inesap.htm

- Bonn International Center for Conversion. *Conversion Survey, 1997. Global Disarmament and the Disposal of Surplus Weapons.* Oxford: Oxford University Press, 1997.
- Cowell, B.S. and S.A. Hodge. "Fissile Material Disposition Program Light Water Reactor Mixed Oxide Fuel Irradiation Test Project Plan." Oak Ridge National Laboratory. www.ornl.gov/etd/FMDP/pdfs/13419.pdf
- Lawrence Livermore National Laboratory of California. "Fissile Materials Disposition." www.llnl.gov/nai/ppac/fmd.html
- Schweitzer, G.E. Moscow DMZ: The Story of the International Effort to Convert Russian Weapons Science to Peaceful Purposes. New York: M.E. Sharpe, 1996.
- Tucker, J. "Verifying a Multilateral Ban on Nuclear Weapons: Lessons from the CWC." INESAP Information Bulletin 14 (Nov. 1997). www.th-darmstadt.de/ze/ianus/inesap/inesap.htm
- United States Department of Energy, Office of Fissile Material Disposition Homepage. www.doe-md.com
- Von Meier, A., J.L. Miller and A.C. Keller. "The Disposition of Excess Weapons Plutonium: A Comparison of Three Narrative Contexts." *The Nonproliferation Review* 5 (Winter 1998): 20–31.
- White, V.S. "Availability of Uranium Feed for the Fissile Materials Disposition Program Volume 1." Oak Ridge National Laboratory. www.ornl.gov/etd/FMDP/ORNLPublications.html
- —. and R.L. Reed. "Availability of Uranium Feed for the Fissile Materials Disposition Program Volume 2." www.ornl.gov/etd/FMDP/ORNLPublications.html

Politics

NEGOTIATIONS IN THE CONFERENCE ON DISARMAMENT

- Boese, W. "CD Convenes to Work on Fissile Cutoff." *Arms Control Today* 28 (Aug/Sept. 1998). www.armscontrol.org/ACT/augsep98/cdas98.htm
- "Canada to Chair Negotiations on a Treaty to Ban the Production of Fissile Material for Nuclear Weapons." Department of Foreign Affairs and International Trade. 20 August 1998. www.dfait-maeci.gc.ca/english/news/press_releases/95_press066eng.htm
- "Disarmament Talks Break Stalemate Over Fissile Material Treaty." Agence France Presse, 11 August 1998, (RECASTS). web.lexis-nexis.com
- Gallagher, N.W. The Politics of Verification. Baltimore: Johns Hopkins University Press, 1999.



- "India to Agree to Ad-Hoc Panel on Fissile Material Treaty." Agence France Presse, 11 August 1998 (ADDS). web.lexis-nexis.com
- Johnson, R. "FMT: Breakthrough at Last in the CD." www.gn.apc.org/acronym/fmctaug.htm
- Karem, M. THE FORUM: Online Nuclear Features Forum Electric Conference, "The Future of the Conference on Disarmament." 12–23 January 1998. www.stimson.org/zeronuke/forum/cd2 htm
- "US Calls for Dual Treaties at Geneva Disarmament Conference." Agence France Presse, 15 May 1997 (ADDS). web.lexis-nexis.com

REGIONAL CONSIDERATIONS OF THE TREATY

Middle East

- Brilliant, J. "Israel Agrees to Discuss Nuclear Treaty." *United Press International,* 11 August 1998. web.lexis-nexis.com
- Feldman, S. Nuclear Weapons and Arms Control in the Middle East. Cambridge: MIT Press, 1996.
- Hammad, H. "Monitoring and Verification of a Middle East Weapons of Mass Destruction." *INESAP Information Bulletin* 14 (Nov. 1997). www.th-darmstadt.de/ze/ianus/inesap/inesap.htm
- Steinberg, G.M. "Israel and the Changing Global Non-Proliferation Regime." *Contemporary Security Policy* 16 (1995): 70–83.

Asia

- Arnett, E., ed. Nuclear Weapons and Arms Control in South Asia After the Test Ban. Oxford: Oxford University Press, 1998.
- Bunn, G. "Making Progress on a Fissile Material Cut-Off Treaty after the South Asian Tests." *The Nonproliferation Review* 5 (Spring/Summer 1998): 78–83.
- Center for the Advanced Study of India. *The Future of Nuclear Weapons: A US-India Dialogue: Paper Abstracts*. Wharton Sinkler Conference Center: (5–8 May 1997) sas.upenn.edu/casi/reports/nuclear/panel1.html
- Cordonnier, I. "Towards a Solution to the Nuclear Issue on the Korean Peninsula?" *UNIDIR Newsletter* 35–36: 40–43.
- Diamond, H. "India, Pakistan Respond to Arms Control Initiatives." Arms Control Today 28 (June/July 1998): 24.
- Garrity, P. "Nuclear Weapons and Asia-Pacific Security: Issues, Trends, and Uncertainties." *National Securities Studies Quarterly* (Winter 1998): 41–79.
- Graham, T., Jr. "South Asia and the Future of Nuclear Non-Proliferation." *Arms Control Today* 28 (1998): 3–6.



Bibliography two • 1999

Gronlund, L., D. Wright and L. Yong. "The China Card: Will China Agree to Cut Off Fissile Material Production?" *Nucleus* 17 (Summer 1995). www.ucsusa.org/Nucleus/95sum..chinacard.html

- Johnson, R. "The Non-Proliferation Regime in Disarray." *INESAP Information Bulletin* 16 (Nov. 1998). www.th-darmstadt.de/ze/ianus/inesap/inesap.htm
- Kurosawa, M. "Nuclear Weapons and Nuclear Energy in North-East Asia: Future Prospects and Dilemmas." *UNIDIR Newsletter* 35–36: 34–40.
- Leventhal, P. "Ruminations on Indian and Pakistani Nuclear Test." *The Monitor* 4 (1998): 3–5. www.uga.edu/cits/pub/monitor.htm
- "Pakistan Agrees to Talks on Nuclear Fissile Material Treaty." Agence France Presse, 30 July 1998. web.lexis-nexis.com
- "Pakistan Rejects Unilateral Moratorium on Fissile Material." *AP Worldstream* 26 December 1998. web.lexis-nexis.com
- "Pakistan Rules out Unilateral Move to Eschew Nuclear Weapons." Agence France Presse 12 December 1998. web.lexis-nexis.com
- "PRC Official Outlines China's Nuclear Policy." Armed Forces Newswire Service, 14 January 1999. web.lexis-nexis.com
- Schmemann, S. "Israel Clings to 'Nuclear Ambiguity'" The New York Times, 21 June 1998: A6.
- Shen, D. "Promoting Nuclear Nonproliferation: A Chinese View." *The Monitor* 4 (1998): 40–42. www.uga.edu/cits/pub/monitor.htm

Europe and the Russian Federation

- Boniface, P. Repenser la dissuasion nucléaire. La Tour d'Aigues: Editions de l'Aube, 1997.
- Kostev, G.G. Nuclear Safety Challenges in the Operation and Dismantlement of Russian Nuclear Submarines. Moscow: Committee for Critical Technologies and Non-Proliferation, 1997.
- McCausland, J.D. "NATO and Russian Approaches to 'Adapting' the CFE Treaty." *Arms Control Today* 27 (1997): 12–18.
- Müller, H., ed. Europe and Nuclear Disarmament: Debates and Political Attitudes in 16 European Countries. Brussels: European Interuniversity Press, 1998.
- "Nuclear Successor States of the Soviet Union: Status Report on Nuclear Weapons, Fissile Material, and Export Controls." The Monterey Institute of International Studies and the Carnegie Endowment for International Peace, March 1998.
- Synchou, A. "Status of the Initiative to Create a Nuclear-Weapon-Free Zone in Central and Eastern Europe." *The Monitor* 4 (1998): 20–23. www.uga.edu/cits/pub/monitor.htm

BILATERAL DISCUSSIONS

Cerniello, C. "U.S., Russia Sign Agreements on Plutonium-Producing Reactors." Arms Control Today



27 (Sept. 1997): 28.

Daily Washington File. "Text: Amb. Grey Remarks at Conference on Disarmament." 9 September 1998. www.usis.it/wireless/WF980908/98090807.HTM

Kinzer, S. "US Agents Whisk Atom Bomb from an Ex-Soviet Land." *The New York Times, 24* April 1998: A7.

CD Documents

Conference on Disarmament. Report of the Conference on Disarmament to the General Assembly of the United Nations. 1998 Session. www.unog.ch/frames/disarm/curdoc/1557.htm

United Nations Conference on Disarmament. Documents of the Conference on Disarmament. January–August 1998. www.unog.ch/frames/disarm/curdoc/curdoc98.htm

United Nations Conference on Disarmament. www.unog.ch/frames/disarm/disconf.htm

United Nations Office Geneva press releases on disarmament issues. www.unog.ch