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Plutonium

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1. [Major Plutonium Study Eliminates Rationale for New Nuclear Weapons Push](#)

(Web Page; Tue Aug 12 18:28:00 CDT 2008)

"New findings on the aging of plutonium in nuclear warheads, which were released today by the Department of Energy (DOE), demonstrate that current warheads will remain dependable for many decades to come. This research eliminates a major...

Description: Statement by Dr. Lisbeth Gronlund, Co-Director, Global Security Program, Union of Concerned Scientists

2. [Declaration to NRC: Plutonium Test Assembly Protection Inadequate](#)

(Web Page; Thu Aug 28 08:34:00 CDT 2008)

UNITED STATES OF AMERICANUCLEAR REGULATORY COMMISSIONBEFORE THE SECRETARY In the Matter of U.S. DEPARTMENT OF ENERGY (Plutonium Export License) Docket No. 110-540 DECLARATION OF EDWIN S. LYMAN, PHD IN SUPPORT OF PETITIONERS' HE...

Description: Declaration to NRC: Plutonium Test Assembly Protection Inadequate

3. [Chinese Plutonium Production](#)

(File; Tue Jul 22 10:48:00 CDT 2008)

Description: Chinese Plutonium Production

4. [Nuclear Fuel Test Failure Should Trigger Suspension of Weapon-Grade Plutonium Fuel Use](#)

(Web Page; Wed Aug 27 12:09:00 CDT 2008)

Citing the recent failure of an experimental plutonium fuel assembly test at a South Carolina nuclear plant, two watchdog groups today called on the Department of Energy (DOE) to suspend a risky, multibillion dollar program that would us...

Description: Nuclear Fuel Test Failure Should Trigger Suspension of Weapon-Grade Plutonium Fuel Use

5. [A History of China's Plutonium Production \(2003\)](#)

(Web Page; Fri Aug 22 09:24:00 CDT 2008)

David Wright and Lisbeth GronlundJanuary 16, 2003 This paper discusses the history of China's production of plutonium for nuclear weapons, and uses that history and analogies to the production process in the United States and Russi...

Description: David Wright and Lisbeth Gronlund, paper published in Science and Global Security Journal

6. [Japan: Strengthen the Non-Proliferation Treaty](#)

(Web Page; Tue Aug 12 14:02:00 CDT 2008)

May 5, 2005Minimizing worldwide stockpiles of weapons usable fissile materials—highly enriched uranium (HEU) and separated plutonium—should be a high priority for the international community. Doing so would promote nuclear di...

Description: Statement opposing the operation of the plutonium reprocessing plant at Rokkasho-mura

7. [Global Nuclear Energy Partnership](#)

(Web Page; Thu Mar 05 10:12:00 CST 2009)

As part of its push for an expansion of nuclear power in the United States, in 2006, the Bush administration launched the Global Nuclear Energy Partnership (GNEP) program. GNEP calls for the "reprocessing" of spent nuclear fu...

Description: The Global Nuclear Energy Partnership (GNEP) program calls for the "reprocessing" of spent nuclear fuel from commercial nuclear power reactors to separate out plutonium and other nuclear weapon-usable materials. UCS will be urging the new administration to abandon GNEP and related programs and use its leadership globally to curtail nuclear waste reprocessing.

8. [New Nuclear Facility Undermines International Security](#)

(Web Page; Mon Aug 04 10:05:00 CDT 2008)

WASHINGTON (August 1, 2007)—The Union of Concerned Scientists (UCS) today condemned the Department of Energy for proceeding with construction of a \$5 billion South Carolina plant designed to turn plutonium into mixed-oxide (MOX) fu...

Description: UCS condemned the U.S. Department of Energy for refusing to allow inspections that would have provided assurances about the security of a South Carolina facility that will convert plutonium into reactor fuel.

9. [Nuclear Reprocessing Factsheet](#)

(File; Tue Jul 22 12:49:00 CDT 2008)

Description: Nuclear Reprocessing: Dangerous, Dirty, and Expensive Why Extracting Plutonium from Spent Nuclear Reactor Fuel Is a Bad Idea, January 2006.

10. [Protection, Control, Accounting and Verification of Nuclear Materials](#)

(File; Tue Jul 22 13:09:00 CDT 2008)

Description: Presentation at an NGO symposium sponsored by the Institute for Energy and Environmental Research on June 18, 2003, addressing technical, safety and security issues relating to the use and control of "special nuclear materials" -- plutonium and highly enriched uranium, the fissile materials that can be used for the construction of nuclear weapons.

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