



Department of Energy
Washington, DC 20585

February 2, 2006

Mr. Stephen Aftergood
Federation of American Scientists
1717 K Street, NW, Suite 209
Washington, D.C. 20036

Dear Mr. Aftergood:

We are writing in regard to your Freedom of Information Act (FOIA) request and subsequent appeal for the draft report entitled "Highly Enriched Uranium: Striking a Balance" (Report). The Department of Energy (Agency) issued a final determination to withhold in its entirety the draft Report on January 24, 2005. On March 7, 2005, the Department of Energy Office of Hearings and Appeals granted your Appeal (Case Number TFA-0088) in part and denied it in all other aspects as set forth in the reference decision and order.

Pursuant to the decision by the Office of Hearings and Appeals the Office of Security and Safety Performance Assurance, in conjunction with other offices, conducted a further review of the draft Report. The Agency has prepared a redacted version of the Report following this review. FOIA requires that "any reasonable segregable portion of a record shall be provided to any person requesting such record after deletion of the portions which are exempt." 5 U.S.C. 552(b). As a result, the Agency is releasing all reasonably segregable information contained within the Report pursuant to the March 7, 2005, DECISION and ORDER. The Agency is withholding information pursuant to Exemption 5 and Exemption 2(high) of the FOIA.

FOIA Exemption 5 covers interagency, deliberative, predecisional materials containing information unavailable to other parties. Information redacted consists of deliberative material reflecting the process of commenting, recommending and revising procedures governing certain defense agreement exchanges with the United Kingdom. FOIA Exemption 2 covers materials "related solely to the internal personnel rules and practices of an agency." The Agency redacted from the Report information regarding the location and quantity of fissile material withholdable under Exemption 2(high). This sensitive information regarding Agency practices constitutes predominantly internal information, and release of the information would cause Agency harm by risking the circumvention of Agency regulations or statutes or interfering with Agency operations necessary to safeguard this material.

Sincerely,

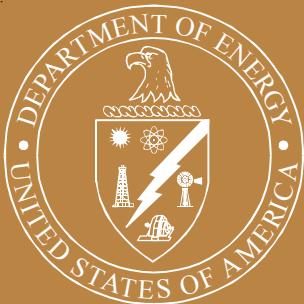
Michael A. Kilpatrick
Deputy Director
Office of Security and Safety
Performance Assurance

Enclosures

Cc: Office of Hearings and Appeals (w/o enclosure)



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HIGHLY ENRICHED URANIUM: STRIKING A BALANCE

A HISTORICAL REPORT ON THE UNITED STATES
HIGHLY ENRICHED URANIUM PRODUCTION,
ACQUISITION, AND UTILIZATION ACTIVITIES
FROM 1945 THROUGH SEPTEMBER 30, 1996

U.S. DEPARTMENT OF ENERGY
NATIONAL NUCLEAR SECURITY ADMINISTRATION
OFFICE OF THE DEPUTY ADMINISTRATOR
FOR DEFENSE PROGRAMS

JANUARY 2001

REVISION 1

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Contains information which may be exempt from public release under the Freedom of Information Act (5 U.S.C. 552), exemption number 2. Approval by the Department of Energy prior to public release is required.

Reviewed by: Bill Benton Date: 2/7/05

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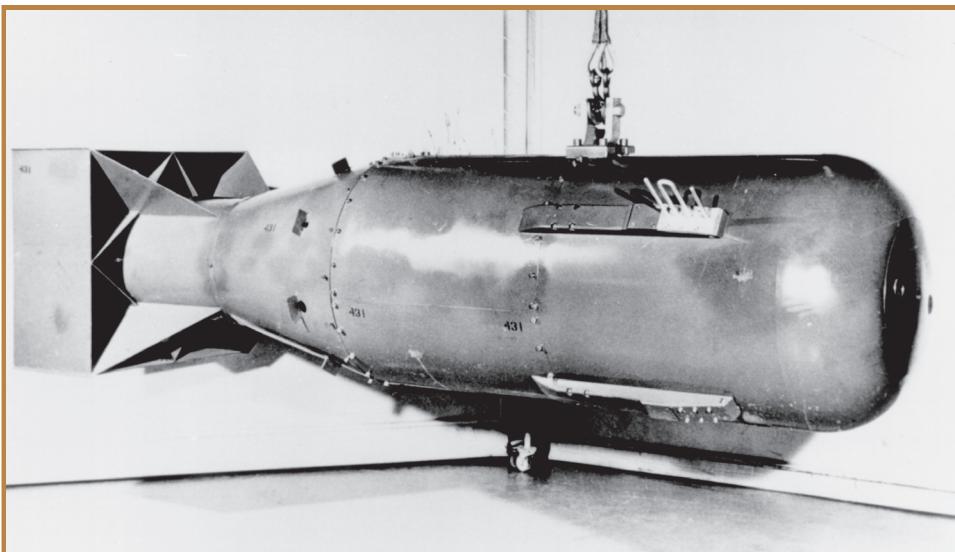
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ACRONYMS AND ABBREVIATIONS

AEC	Atomic Energy Commission
BNL	Brookhaven National Laboratory
DoD	U.S. Department of Defense
DOE	U.S. Department of Energy
ERDA	Energy Research and Development Administration
Euratom	European Atomic Energy Community
GDP	gaseous diffusion plant
HEU	highly enriched uranium
IAEA	International Atomic Energy Agency
ICPP	Idaho Chemical Processing Plant
INEEL	Idaho National Engineering and Environmental Laboratory
kg	kilograms
LANL	Los Alamos National Laboratory
LEU	low enriched uranium
LLNL	Lawrence Livermore National Laboratory

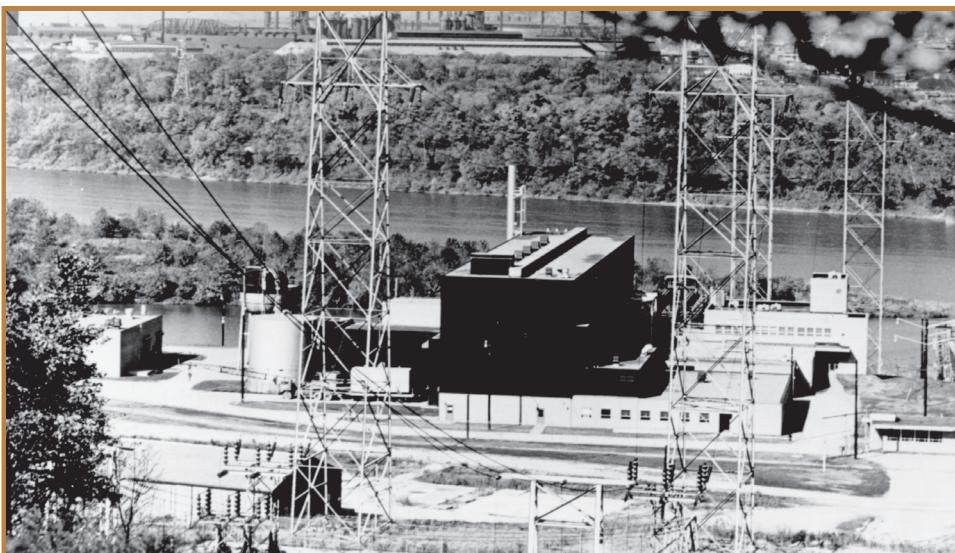
MC&A	material control and accountability
MTU	metric tons of uranium
MTU-235	metric tons of uranium-235
NIST	National Institute of Standards and Technology
NMMSS	Nuclear Materials Management and Safeguards System
NOL	normal operating losses
NPT	Treaty on the Non-Proliferation of Nuclear Weapons
NRC	U.S. Nuclear Regulatory Commission
NTS	Nevada Test Site
ORNL	Oak Ridge National Laboratory
RFETS	Rocky Flats Environmental Technology Site
SNL	Sandia National Laboratories
SRS	Savannah River Site
TRIGA	Training, Research, Isotope, General Atomics reactors
UF ₆	uranium hexafluoride
USEC	United States Enrichment Corporation

HIGHLY ENRICHED URANIUM: STRIKING A BALANCE



Pictured is a museum display of Little Boy, the first uranium bomb.

The U.S.S. Nautilus was commissioned in 1955 and was the first nuclear-powered submarine.



The Shippingport Atomic Power Station in Shippingport, PA, began operation in 1957 and was the Nation's first full-scale nuclear generating station.