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DOE/SO-22-0004 (Deleted Version)

Fourth Report on Inadvertent Releases of Restricted Data and Formerly Restricted Data under Executive Order 12958 (Deleted Version) (U)

Report to:

The Committee on Armed Services of the Senate
The Committee on Armed Services of the House of Representatives
The Assistant to the President for National Security Affairs

Deleted Version

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1st REVIEW - DATE: <u>9/6/2001</u>	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <input type="checkbox"/> AOC <input checked="" type="checkbox"/> ADC <input checked="" type="checkbox"/> ADD	1. CLASSIFICATION RETAINED
NAME: <u>[Signature]</u>	2. CLASSIFICATION CHANGED TO: _____
2ND REVIEW - DATE: <u>9/06/2001</u>	3. CONTAINS NO DOE CLASSIFIED INFO.
AUTHORITY: ADD	4. COORDINATE WITH: _____
NAME: <u>[Signature]</u>	<input checked="" type="radio"/> 5. CLASSIFICATION CANCELED
	6. CLASSIFIED INFO BRACKETED
	<input checked="" type="radio"/> 7. OTHER (SPECIFY): <u>DELETED VERSION</u>

DOES NOT CONTAIN UCNZ



U.S. Department of Energy
Office of Nuclear and National
Security Information
Germantown, Maryland 20874

August 2001

RESTRICTED DATA

This document contains Restricted Data as defined in the Atomic Energy Act of 1954, as amended. Unauthorized disclosure is subject to Administrative and Criminal Sanctions.

Classified By: Finn K. Neilsen
Acting Director
Office of Nuclear and National
Security Information

Derived From: CG-W-5 10/16/95; CG-SS-4 9/12/00

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The National Defense Authorization Act for Fiscal Year 1999 (Public Law (P.L.) 105-261) requires that the Secretary of Energy notify the Committee on Armed Services of the Senate, the Committee on Armed Services of the House of Representatives, and the Assistant to the President for National Security Affairs of inadvertent releases of Restricted Data (RD) and Formerly Restricted Data (FRD) associated with records declassified under section 3.4 of Executive Order 12958.

As a result of the Department of Energy's (DOE's) examination of approximately 28 million additional pages of publicly available records accessioned by the National Archives and Records Administration (NARA), the Department discovered an additional 20 documents containing 60 pages of RD and FRD which were inadvertently released:

Additional Pages Examined Since Last Report	Number of Documents with RD/FRD	Number of Pages in the Documents	Number of Pages RD	Number of Pages FRD
28 Million	20	454	33	27

The identified documents are in collections belonging to the Department of State and the Department of Defense (Army, Navy, and Air Force). The documents were inadvertently declassified and made available to the public during the years from 1995 to 1998 by the Department of State, the Department of Defense, and NARA.

No classified documents of the DOE or its predecessor organizations were found.

The documents contained RD and FRD information, including:

RD	FRD
<ul style="list-style-type: none">- identification and masses of fissile and fusion materials- efficiency of fissionable material- information about nuclear weapon output- contribution of boosting to performance- how small a weapon can be designed- yield of an individual device stage- yield to weight ratio- gas centrifuge design and operation	<ul style="list-style-type: none">- yield- storage locations- stockpile quantities and production rates- delivery system accuracy- nuclear weapon effects associated with a test event

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A significant portion of the documents (9 of the 20) were improperly marked for classification level (e.g., Secret), classification category (e.g., RD), and/or automatic classification level downgrading. The improper markings occurred when the documents were originated, or at a later time during the lifetime of the documents. The improper marking of the documents for classification level, classification category and/or downgrading may have contributed to the inadvertent release of the documents and their RD and FRD content.

NARA, the Department of State, and the Department of Defense have been advised that the specific documents contain RD and FRD. The 20 documents have been withdrawn from public access and protected in accordance with DOE requirements.

The inadvertently released nuclear weapons design information (RD) detailed in this report concerns the early generations of nuclear weapons and the fissile material production process that this country developed in the 1950s and 1960s. Potential adversaries, emerging proliferant nations and terrorist groups aggressively target U.S. nuclear weapon and fissile material production information. Information regarding older nuclear weapons and fissile material production processes is of significant value since they are often technically less sophisticated. These designs and processes would be most readily used by a would-be nuclear proliferant to obtain its first nuclear weapon.

The inadvertently released nuclear weapons utilization information (FRD) detailed in this report could assist potential adversaries in assessing the strengths of the U.S. nuclear arsenal. Additionally, inadvertently released information on deployments of nuclear weapons outside of the U.S. may violate international agreements and harm diplomatic ties with foreign host nations.

DOE will be conducting an assessment of the damage to national security resulting from the inadvertent release of RD and FRD addressed in this report.

In accordance with P.L. 105-261, and the Special Historical Records Review Plan, DOE has trained 1,389 individuals to recognize RD and FRD information. This included 160 individuals from the Department of State, 54 from the Department of the Air Force, 58 from the Department of the Navy, and 76 from NARA. Additional training has been scheduled this year including refresher training.

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DOE and NARA are working to better integrate their efforts to more quickly identify and safeguard documents potentially containing RD and FRD. The immediate objective is to identify through surveys those file series currently available to the public that are most at risk to contain RD and FRD, and to safeguard those file series until a detailed analysis can be performed.

Specific details regarding the inadvertent releases are contained in the attached classified appendix.

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APPENDIX: SUMMARY OF FINDINGS (DELETED VERSION)

RG/EO ¹ (Dept) ²	Year Declassified (Department) ³	Number of Documents containing RD/FRD ⁴	Origination Dates of the Documents ⁵	Number of Documents w/ Inappropriate Markings ⁶	No. of Pages RD	No. of Pages FRD	RD/FRD Information Inadvertently Made Publicly Available
Deleted (DOS)	Deleted (DOS)	4	1962 - 1966	4 of 4	0	6	FRD: - Nuclear weapon locations

¹RG/EO = Record Group/Executive Order Plan Number of the file series found to contain RD and/or FRD

²Dept = Executive Branch Department or Agency that submitted the file series to the National Archives and Records Administration (NARA);
DOS: Department of State; Army: Department of the Army; Navy: Department of the Navy;
Air Force: Department of the Air Force; OSD: Department of Defense, Office of the Secretary of Defense.

³Year Declassified (Department) = Year the file series was declassified and the department/agency that conducted the declassification

⁴Number of Documents containing RD/FRD = Number of documents found to contain RD and/or FRD per current classification guidance in accordance with the Atomic Energy Act of 1954, as amended.

⁵Origination Dates of the Documents = Period of time over which the documents were originated.

⁶Number of Documents w/ Inappropriate Markings = Number of documents containing RD/FRD found to have inappropriate classification, declassification, and/or downgrading markings. This includes adequately marked documents that had routing/transmittal/endorsement cover sheets with inappropriate markings.

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RG/EO (Dept)	Year Declassified (Department)	Number of Documents containing RD/FRD	Origination Dates of the Documents	Number of Documents w/ Inappropriate Markings	No. of Pages RD	No. of Pages FRD	RD/FRD Information Inadvertently Made Publicly Available
Deleted (DOS)	Deleted (DOS)	2	1966 - 1966	0	0	6	FRD: - Nuclear weapon locations
Deleted (DOS)	Deleted (DOS)	1 ⁷	1969 - 1969	0	20	0	RD: - Gas centrifuge design and operation

⁷Document is a Congress of the United States, Joint Committee on Atomic Energy transcript that may include information that may be protected by a foreign country. Issue being coordinated through applicable agencies.

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RG/EO (Dept)	Year Declassified (Department)	Number of Documents containing RD/FRD	Origination Dates of the Documents	Number of Documents w/ Inappropriate Markings	No. of Pages RD	No. of Pages FRD	RD/FRD Information Inadvertently Made Publicly Available
Deleted (Army)	Deleted (NARA)	1	1961 - 1961	0	0	1	FRD: - Nuclear weapon effects associated with a test event
Deleted (Air Force)	Deleted (Air Force)⁸	3 ⁹	1959 - 1959	3 of 3	1	7	RD: - Tailored output effects of a specified nuclear weapon FRD: - Nuclear weapon yield - Nuclear weapon locations and stockpile quantities - Nuclear weapon delivery vehicle & system accuracy

⁸One document was inadvertently released during declassification. Two documents were inadvertently released during subsequent record processing.

⁹One of the 3 documents also included information that may be protected by a foreign country. Issue being coordinated through applicable agencies.

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RG/EO (Dept)	Year Declassified (Department)	Number of Documents containing RD/FRD	Origination Dates of the Documents	Number of Documents w/ Inappropriate Markings	No. of Pages RD	No. of Pages FRD	RD/FRD Information Inadvertently Made Publicly Available
Deleted (Air Force)	Deleted (NARA)	1	1957 - 1957	0	8	0	RD: - Mass of fissile material in a pit - Mass of boosting material used in a nuclear weapon - Contribution of boosting to nuclear design and performance - Yield to weight ratio - Efficiency of fissionable material - Deleted - Mass of material in the secondary stage of a thermonuclear weapon - Nuclear weapon x-ray spectra information - Nuclear weapon secondary stage yield - Deleted - Deleted *** - Deleted FRD: - Nuclear weapon yield (occurred on page also containing RD; counted in RD page total)

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Deleted (Air Force)	Deleted (Air Force)	1	1959 - 1959	1 of 1	0	1	FRD: - Nuclear weapon yield and delivery system accuracy
Deleted (Navy)	Deleted (Navy) ¹⁰	1	1955 - 1955	0	0	2	FRD: - Nuclear weapon yield ¹¹
Deleted (Navy)	Deleted (Navy) ¹²	6	1958 - 1958	1 of 6	4	4	RD: - Association of device nickname with a specified nuclear weapon - Mass of a nuclear assembly system - Yield to weight ratio FRD: - Nuclear weapon yield and delivery system accuracy - Nuclear weapon stockpile quantities and production rate
	Total	20		9 of 20	33	27	

¹⁰ NARA and Navy to resolve whether inadvertent release occurred during declassification or subsequent record processing

¹¹ Pending resolution with Department of Defense

¹² NARA and Navy to resolve whether inadvertent release occurred during declassification or subsequent record processing