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DOE/HS-90-0024 (Deleted Version)

**Twenty-Fourth Report on Inadvertent Releases of Restricted Data
and Formerly Restricted Data under Executive Order 12958 (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>3-13-07</u>	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <input type="checkbox"/> ADC <input checked="" type="checkbox"/> ADD <input type="checkbox"/> ADD	1. CLASSIFICATION RETAINED
NAME: <u>Frank R. Dice</u>	2. CLASSIFICATION CHANGED TO: _____
2ND REVIEW - DATE: <u>3-13-07</u>	3. CONTAINS NO DOE CLASSIFIED INFO.
AUTHORITY: ADD	4. COORDINATE WITH: _____
NAME: <u>Roy W. Lee</u>	5. CLASSIFICATION CANCELED
	6. CLASSIFIED INFO BRACKETED
	7. OTHER (SPECIFY): <u>DOES NOT CONTAIN UONI</u>



**U.S. Department of Energy
Office of Classification
Office of Health, Safety and Security
Germantown, Maryland 20874**

February 2007

Classified By: Greg Gannon
Office of Classification
Derived From: CG SS 4, 9/12/00
Declassify on: Declassify when the
information compromised is declassified

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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 (DOE) examination of 690,780 additional pages of publicly available records accessioned by the National Archives and Records Administration (NARA), the Department discovered an additional 175 documents containing 590 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
690,780	175	15,251	137	453

The identified documents are in collections belonging to the Department of the Navy and the Department of the Army. The 175 documents were inadvertently declassified and made available to the public in **DELETED** by the Department of the Navy, the Department of the Army and NARA.

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

The documents inadvertently released contained the following types of RD and FRD information:

RD	FRD
<ul style="list-style-type: none">- Mass or dimensions of fissile materials- Tampers and initiators- Boosting systems- Detonation systems- High explosives- Weapon/device output and performance- Weapon reliability- Nuclear weapon materials- Gaseous diffusion technology- Naval nuclear propulsion information- Foreign government RD information	<ul style="list-style-type: none">- Stockpile quantities- Storage locations- Storage capacities- Costs of weapons and components- Nuclear weapon yields- Delivery system accuracy- Height and depth of burst- Yield select capability- Nuclear test information- Nuclear safing systems- Designs of arming and fuzing systems

Improper markings in 84 of the 175 documents for classification level (e.g., Secret), classification category (e.g., RD), and/or automatic classification level downgrading occurred when the documents were originated or later during the documents' lifetime. The improper

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marking of the documents for classification level, classification category, and/or downgrading may have contributed to the inadvertent release of documents.

The Department of the Navy, the Department of the Army and NARA have been afforded an opportunity to review their specific documents containing the RD and FRD information. The 175 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 that this country developed in the 1950s and 1960s. Potential adversaries, emerging proliferant nations and terrorist groups aggressively target U.S. nuclear weapon information. Information regarding older nuclear weapons is of significant value since it is often technically less sophisticated. These designs 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 strength of the U.S. nuclear arsenal. Additionally, inadvertently released information on deployments of nuclear weapons outside the United States may violate international agreements and harm diplomatic ties with foreign host nations.

The inadvertently released naval nuclear propulsion information (also RD) addressed in this report could assist adversaries in the development of nuclear propulsion systems for their submarines and surface ships.

The training of other agency reviewers continues to reduce the rate at which Restricted Data and Formerly Restricted Data are improperly declassified.

DOE and NARA are working to better integrate their efforts to more quickly identify and safeguard documents potentially containing RD and FRD. All records that may contain RD and FRD are removed from public access. Details of the specific inadvertent releases are contained in the attached classified appendix.

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APPENDIX: SUMMARY OF FINDINGS (U) (DELETED VERSION)

RG/EO¹ (Dept)²	Year Declassified (Department)³	Number of Documents containing RD/FRD⁴	Origination Dates of the Documents⁵	Number of Documents w/ Inappropriate Markings⁶	No. of Pages RD	No. of Pages FRD	RD/FRD Information Inadvertently Made Publicly Available
RG 19 DELETED (Navy)	DELETED (Navy)	33	1965	30 of 33	52	47	RD: - Naval nuclear propulsion information FRD - Nuclear weapon stockpile quantities - Nuclear weapon storage locations - Nuclear weapon storage capacities - Nuclear weapon yields - Delivery system accuracy - Nuclear test information - Nuclear weapon safing systems
RG 19 DELETED (Navy)	DELETED (Navy)	12	1960	9 of 12	20	3	RD: - Weapon/device output or performance - Nuclear weapon materials - Gaseous diffusion technology - Naval nuclear propulsion information - Foreign government information revealing RD - Other nuclear weapon design information FRD - Nuclear weapon yield - Delivery system accuracy - Nuclear test information
RG 156 DELETED (Army)	DELETED (NARA)	1	1957	1 of 1	0	2	FRD: - Nuclear weapon yields
RG 319 DELETED (Army)	DELETED (NARA)	11	1962	11 of 11	7	4	RD: - Weapon/device output and performance - Other weapon design information FRD - Nuclear weapon stockpile quantities - Nuclear test information

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RG 319 DELETED (Army)	DELETED (NARA)	54	1957-1959	13 of 54	47	205	<p>RD:</p> <ul style="list-style-type: none">- Mass or dimensions of fissile material- Tampers and initiators- Boosting and detonation systems- High explosives- Weapon/device output and performance- Nuclear weapon reliability- Nuclear weapon materials- Other weapon design information <p>FRD</p> <ul style="list-style-type: none">- Nuclear weapon stockpile quantities- Nuclear weapon storage locations- Nuclear weapon storage capacities- Costs of nuclear weapons or components- Nuclear weapon yields- Delivery system accuracy- Height and depth of burst- Yield select capability- Nuclear test information- Nuclear weapon safing systems- Designs of arming, fuzing and firing systems
RG 319 DELETED (Army)	DELETED (NARA)	56	1960	12 of 56	11	119	<p>RD:</p> <ul style="list-style-type: none">- Boosting systems- Other nuclear weapon design information <p>FRD</p> <ul style="list-style-type: none">- Nuclear weapon stockpile quantities- Nuclear weapon storage locations- Nuclear weapon storage capacities- Nuclear weapon yields

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RG 319 DELETED (Army)	DELETED (Army)	1	1962	1 of 1	0	11	FRD: - Nuclear weapons storage locations
RG 319 DELETED (Army)	DELETED (NARA)	7	1971-1972	7 of 7	0	62	FRD: - Nuclear weapon stockpile quantities - Nuclear weapon storage locations - Nuclear weapon yields - Yield select capability
	Number of pages in findings	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	
Totals	15,251	175	1957-1972	84 of 175	137	453	

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- 1 (U) RG/EO = Record Group/Executive Order Plan Number of the file series found to contain RD and/or FRD.
- 2 (U) Dept = Executive Branch Department or Agency that submitted the file series to the National Archives and Records Administration (NARA);
Navy: Department of Navy; Army: Department of the Army.
- 3 (U) Year Declassified (Department) = Year the file series was declassified and the department/agency that conducted the declassification.
- 4 (U) Number 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.
- 5 (U) Origination Dates of the Documents = Period of time over which the documents were originated.
- 6 (U) Number of Documents w/ Inappropriate Markings = Number of documents containing RD/FRD found to have inappropriate classification, declassification, and/or downgrading markings. This includes inadequately marked documents that had routing/transmittal/endorsement cover sheets with inappropriate markings.

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