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THE WHITE HOUSE

WASHINGTON

July 12, 1990

NATIONAL SECURITY DIRECTIVE 43

MEMORANDUM FOR THE VICE PRESIDENT
 THE SECRETARY OF STATE
 THE SECRETARY OF DEFENSE
 THE SECRETARY OF ENERGY
 THE DIRECTOR, OFFICE OF MANAGEMENT AND BUDGET
 THE ASSISTANT TO THE PRESIDENT FOR NATIONAL
 SECURITY AFFAIRS
 THE DIRECTOR OF CENTRAL INTELLIGENCE
 THE CHAIRMAN, JOINT CHIEFS OF STAFF
 THE DIRECTOR, ARMS CONTROL AND DISARMAMENT AGENCY

SUBJECT: FY 1990-1995 Nuclear Weapons Stockpile Plan (U)

I approve the attached Nuclear Weapons Stockpile Plan for the fiscal year 1990 through 1995, with the following exceptions:

- o Follow-on to Lance (FOTL) is cancelled. (U)
- o Production requirements based on the projections for FY 1992 and beyond may be used for planning. They will require careful review and may require adjustment based on arms control developments, the changing international political environment, and U.S. and allied response to that evolving situation, as well as the capability and capacity of the nuclear weapon production complex. (S)

The stockpile levels in the Nuclear Weapons Stockpile Plan represent ceilings not to be exceeded except as provided below or otherwise approved by me. (S)

For the period FY 1990-1995, the following are authorized:

1. Consistent with compliance with environmental, safety, and health standards, the Department of Energy (DOE) shall produce and retire those quantities of nuclear warheads and nuclear warhead parts necessary to achieve and maintain the approved stockpile,

[REDACTED] (SFRD) [REDACTED]

2. DOE may produce and transfer to the Department of Defense (DOD) parts of nuclear weapons, not containing special nuclear

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 under provisions of E.O. 12958
 by D. Van Tass... Security Council
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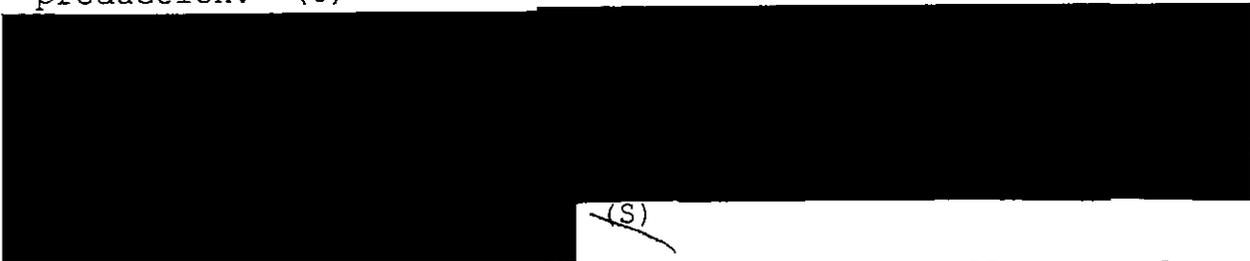
materials, as may be agreed to by DOE and DOD. These parts may be used in nuclear weapons training programs, research and development, and production. Additionally, DOE may temporarily transfer parts or test units containing fissile materials or plutonium power supplies for development and flight testing programs. (U)

3. DOE, in coordination with DOD, shall make such changes in the production and/or retirement of nuclear warheads during FY 1990-1995 as may be necessary to accommodate changes in DOE materials availability, production and retirement capabilities, or quality assurance requirements; or as necessary to accommodate changes required by DOD because of adjustments in force structure requirements. These changes may not exceed plus or minus 10 percent of the totals each year in each of the categories of the active stockpile. In addition, any other change which indicates a significant shift in defense requirements or DOE production capabilities, will be submitted to me for approval. ~~(SFRD)~~

4. DOD, in coordination with DOE, may retain custody of nuclear warheads that are designated as retired for a period of up to 24 months from the designation date to reduce DOE requirements for weapons storage. (C)

5. Nuclear warhead modernization programs will incorporate insensitive high explosive, as technically and operationally feasible, to minimize the potential for nuclear material scattering in an accident or sabotage situation. Older weapons lacking modern safety and security features, that are planned for extended retention, will be reviewed annually by DOD and DOE to determine if they should be included in the Stockpile Improvement Program. (U)

6. DOE shall provide the capacity and capability for nuclear materials and weapon production throughout the full planning and projection periods covered by the stockpile plan to include provisions for reasonable future contingencies. DOE shall establish and maintain to the extent feasible, a reserve of weapon-grade plutonium metal and highly enriched uranium metal to support the equivalent of approximately one year of weapons production. (U)



~~(S)~~

There are considerable uncertainties that will affect the future size and characteristics of the U.S. nuclear weapon stockpile,

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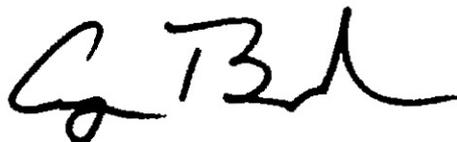
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including the probability of conclusion of new arms control treaties, possible unilateral actions with respect to U.S. weapon deployments, the schedule for resumption of the production of nuclear weapons and nuclear materials, and the capacity of the the production complex. To be prepared to address these uncertainties and their potential impact, the following studies and plans shall be accomplished:

- o The Nuclear Weapons Council shall review the requirements for reserves of plutonium, uranium, and tritium and report detailed recommendations on the size of the reserves, how they are determined, the form of the material, and the plan for achieving the reserves. This report should be included in the FY 1992-1996 Nuclear Weapons Stockpile Plan. (S)
- o The Secretary of Energy shall provide a detailed report on the location, quantity and form of significant amounts of highly enriched uranium including that in weapon inventories. He shall report plans and schedules for recovery of highly enriched uranium from retired weapons and provide options for producing additional material for weapon production if required, including the costs and schedule. The report shall be submitted to me by August 31, 1990. (S)
- o The Secretary of Defense, with the concurrence of the Chairman of the Joint Chiefs of Staff, should report on the stockpile adjustments that would be required in the FY 1992 to FY 1996 period if no more highly enriched uranium is made available during the period. This report shall be submitted to me by August 31, 1990. (S)

The FY 1996-2000 Stockpile Projection, which was submitted with the Stockpile Plan, has been noted for planning purposes. The FY 1991-1996 Nuclear Weapons Stockpile Plan should be submitted by January 31, 1991. A FY 1997-2001 Stockpile Projection should also be included as part of the same submission. (U)

This directive supersedes National Security Decision Directive 325 (January 19, 1989). (U)



Attachment:
As stated

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ENCLOSURE 1
NUCLEAR WEAPONS STOCKPILE PLAN

ITEM	YIELD (KT)	FIVE YEAR PROGRAM					STOCKPILE PROJECTION **				
		FY90	FY91	FY92	FY93	FY94	FY95	FY96	FY97	FY98	FY99

A. STRATEGIC OFFENSIVE

MINUTEMAN II W56
 MINUTEMAN III W62
 MINUTEMAN III W78
 PEACEKEEPER W87
 SICBM W87-1

SUBTOTAL (LAND-BASED MSL)

POSEIDON W68
 TRIDENT I W76 [a]
 TRIDENT II W88 [a]

SUBTOTAL (SEA-BASED MSL)

B28Y1
 B53 [b]
 B61-1
 B61-7
 B83
 B83 (904) [c]

SUBTOTAL (BOMBS)

SRAM A W69
 SRAM II W89
 ALCM/ACM W80-1
 EPW W61

SUBTOTAL (AIR-SURF MSL)

TOTAL STRATEGIC OFFENSIVE

B. STRATEGIC DEFENSIVE
NONE

TOTAL STRATEGIC DEFENSIVE

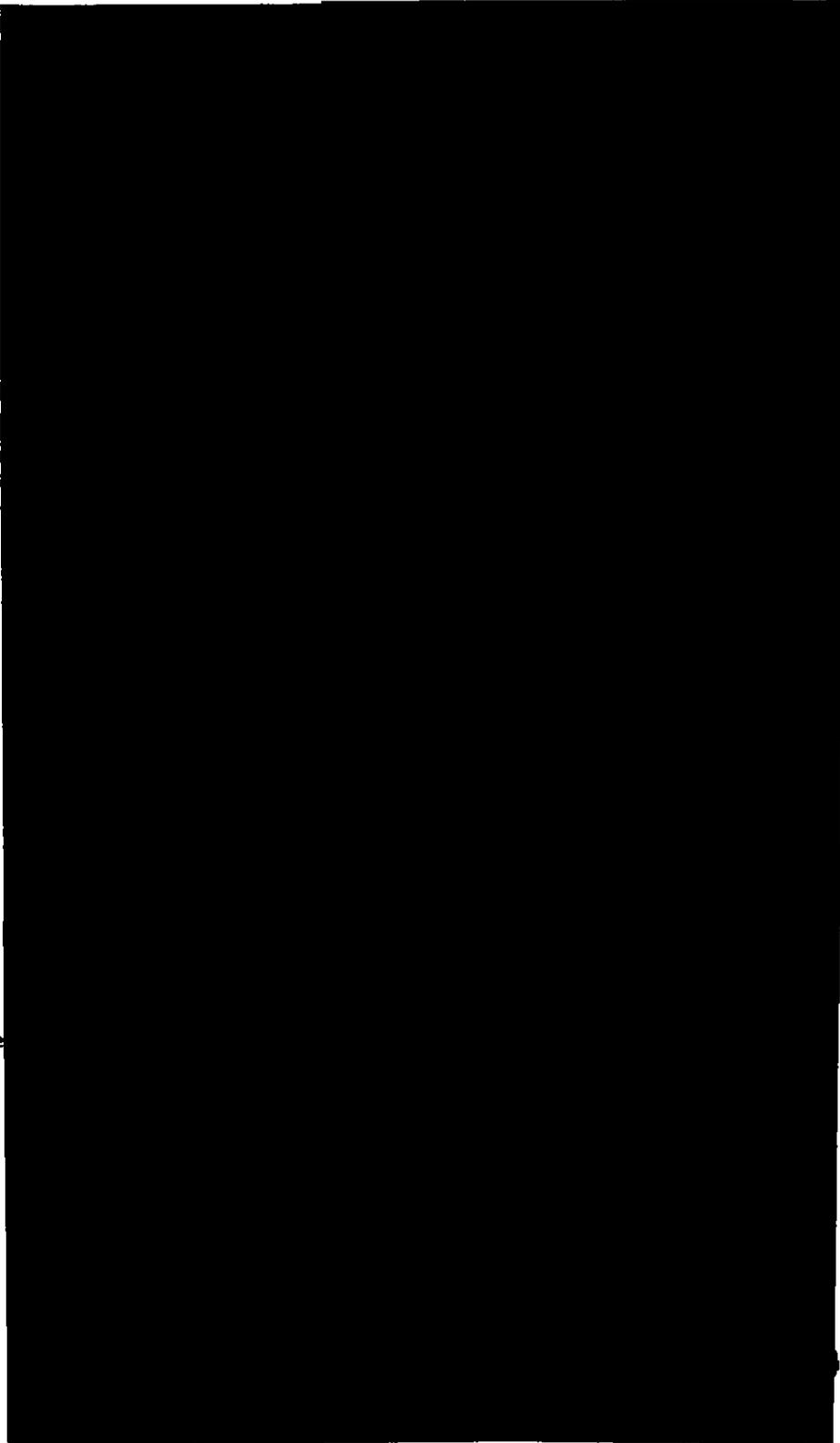
C. TACTICAL

B43Y2
 B57
 B61-0
 B61-2
 B61-3 [d] [e]
 B61-4 [d]
 B61-5
 B61-6
 B61-8
 B61-9
 B61-10 [e]
 NDSB 990
 SRAM T WXX

SUBTOTAL (BOMBS/ASM)

TOMAHAWK W80-0
 GLCM W84

SUBTOTAL (CRUISE MSLS)



1.50
420
210
Atom
Energy
Oct
8/19

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ENCLOSURE I NUCLEAR WEAPONS STOCKPILE PLAN

ITEM	YIELD (KT)	FIVE YEAR PROGRAM					STOCKPILE PROJECTION **					
		FY90	FY91	FY92	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00
PERSHING Ia												
PERSHING Ia												
PERSHING Ia												
PERSHING II												
LANCE												
LANCE (ER)												
POTL												
SUBTOTAL (SURF-SURF MSL)												
3-INCH												
3-INCH												
3-INCH												
3-INCH												
155MM												
155MM												
SUBTOTAL (ARTILLERY)												
SUBTOTAL (ADM)												
SUBTOTAL (AIR DEFENSE)												
TOTAL TACTICAL												
D. FLEET												
SUBROC												
DEPTH BOMB												
NDSB												
TOTAL FLEET												
A. TOTAL STRATEGIC OFFENSIVE												
B. TOTAL STRATEGIC DEFENSIVE												
C. TOTAL TACTICAL												
D. TOTAL FLEET												
-- GRAND TOTAL ACTIVE --												

1.5
424
216
Atom
Emer
Ack
195

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ENCLOSURE 1 NUCLEAR WEAPONS STOCKPILE PLAN

ITEM	YIELD (KT)	FIVE YEAR PROGRAM					STOCKPILE PROJECTION **					
		FY90	FY91	FY92	FY93	FY94	FY95	FY96	FY97	FY98	FY99	FY00
E. INACTIVE RESERVE												
MINUTEMAN III	W62 (903)	[g]	[REDACTED]									
SPARTAN	W71	[h]	[REDACTED]									
GLCM	W84	[i]	[REDACTED]									
PERSHING II	W85		[REDACTED]									

TOTAL INACTIVE RESERVE

--TOTAL STOCKPILE--

FOOTNOTES:

- * Lower selectable yield(s) are available.
- ** FY 1996 - FY 2000 projections are beyond the FYDP and may not reflect firm DoD system decisions.
- † Yield under discussion. Highest estimate used for SNM purposes.

[a]
[b]
[c]
[d]

[REDACTED]

*1.5(g)
424.5C. 2162
Atomic Energy Act
of 1954*

- [e] If Rocky Flats plutonium operations do not resume in time to meet all FY 1990 deliveries, 861-10 deliveries will substitute as feasible
- [f] Based on FY 85 Defense Authorization Act which limits total W79/W82 warheads to 925.
- [g] Alt 903 provides a new charge code allowing the tritium reservoirs to be removed and returned to DOE while SAC retains possession of the warheads. These Alt 903 warheads are for support of contingency deployments in MINUTEMAN II/PEACEKEEPER silos.
- [h] Retention of these warheads will be reviewed annually to ensure a credible delivery vehicle exists before the warheads will be retained further
- [i] Warhead material may be used to meet new program requirements

ABBREVIATIONS:

- ACM - Advanced Cruise Missile
- ADM - Atomic Demolition Munition
- ASM - Air-to-Surface Missile
- ALCM - Air Launched Cruise Missile
- EPW - Earth Penetrator Weapon
- ER - Enhanced Radiation
- FOTL - Follow-On To LANCE
- FYDP - Five Year Defense Plan
- GLCM - Ground Launched Cruise Missile
- NDSB - Nuclear Depth/Strike Bomb
- SICBM - Small ICBM
- SRAM - Short Range Attack Missile
- SRAM T - Short Range Attack Missile--Tactical
- SUBROC - Submarine Rocket
- WXX - Warhead, Undesignated