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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1 st REVIEW - DATE: 02/09/2016	DETERMINATION (Circle Number(s))
AU 60	1. CLASSIFICATION RETAINED
REVIEWER: David Hamrin AU-63	2. CLASSIFICATION CHANGED TO:
AUTHORITY: <input type="checkbox"/> DC <input checked="" type="checkbox"/> DD	3. CONTAINS NO DOE CLASSIFIED INFO
Derived From:	4. COORDINATE WITH:
Declassify On:	5. DECLASSIFIED
2 nd REVIEW - DATE: 5/15/2016	6. CLASSIFIED INFO BRACKETED
AU 60	7. OTHER (SPECIFY):
REVIEWER: R. Shankle	
AUTHORITY: DD	

D00039248

RS 1651/079
March 2, 1971



THIS DOCUMENT CONSISTS OF 5
NO. 1 OF 1 COMPS, SEALS A

(U) HISTORY OF ACCIDENTS INVOLVING
NUCLEAR MATERIALS (U)

CONFIRMED TO BE UNCLASSIFIED
DOE OFFICE OF CLASSIFICATION

D. Hix
[Signature] AU-63 DATE 6/17/16

Reference: ALO SRD Document, dtd May 25, 1966, same subject,
RS 3415/48065

Purpose: This working paper has been prepared to update the
reference with brief summaries of those accidents
subsequent to 1964 and include two accidents prior
to 1964 which have received some attention in past
summaries.

(b)(6)

PRIOR 1964

Buffalo, N.Y.(?) -



(b)(7)(f)

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May be exempt from public release under the Freedom of Information Act (5 U.S.C. 552), exemption number and category 6, Personal Privacy, 7, Law Enforcement Department of Energy review required before public release. Name/Org: S. L. Pollice / SNL-NM Date: July 01, 2016

Classified by: S. L. Pollice, Classification Technical Reviewer, SNL-NM
Derived from: TCG-WPMD-8-12713/2013
Date classified: 07/19/2016

20160009293

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RS 1651/079
March 2, 1971

(b) (3) 42 USC
§ 2168 (a) (3) (C)
(PPD)

At Sea off
Washington
Coast

W. I. by Island

- On September 25, 1959, a [redacted] Depth Bomb containing
DOE (b)(3) was jettisoned in deep
water off the Washington coast when the P5M-2 aircraft
caught fire in flight. The aircraft subsequently
ditched and sank in deep water.

DEL.

AFTER 1964

Wright-Patterson AFB - On October 12, 1965, a C-124 was being
refueled when a fire occurred at the aft end of the
refueling trailer. Shortly after all personnel had
withdrawn to a safe distance both the aircraft and
refueling unit were engulfed in flames.

[redacted]

(b)(7)(f)

At Sea -

[redacted]

DOE (b)(3)

DOE
b(3)

The A-4E was being pushed onto
Elevator #2 by a properly constituted hanger deck
handling crew with a safety director present. When the
hold brakes signal was given by the director blowing his
whistle, there was not apparent application of brakes

by the pilot. Chocks were put in place but the port chock was thrown aside by the wheel and the aircraft continued over the side, tail first, and struck the water in an inverted position. The aircraft sank immediately carrying the pilot and weapon with it.

Palomares, -
Spain

(b)(7)(f)

The collision resulted in the destruction of both aircraft, the loss of seven lives from the two crews and damage of various degree to the weapons. One weapon which dropped retarded by the 16 ft ribbon chute, impacted intact on a sandy beach about a quarter of a mile from the Mediterranean shoreline. Two weapons in adjacent areas detonated one-point at impact and scattered Pu over approximately 600 acres. Weapon components, fragments, and pieces of explosives were scattered in and around the crater areas. The fourth weapon could not be found on land and subsequently was found after several weeks of Navy search, well off shore in approximately 2800 feet of water with the main (64') and ribbon (16') chutes deployed. On April 7, the fourth weapon was raised aboard a ship and EOD procedures accomplished.

DOE (b)(3)

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b(3)

[REDACTED] DOE (b)(3)

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[REDACTED] With the RTDC's a foot apart, one RTDC rocket motor was lighted by hot shrapnel and expended itself in approximately 4 seconds. The motor moved approximately one inch forward in the chocks. No other propellants or explosives were reported as igniting.

DOE
b(3)

[REDACTED] DOE (b)(3)

LaGrange, Georgia - On August 28, 1969, an AEC convoy of two HEARMS trucks, an escort vehicle and a PK truck (fire) was involved in a fatal accident with a civilian vehicle.

[REDACTED] DOE (b)(3)

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[REDACTED] The civilian vehicle cut into the convoy in front of the PK truck resulting in collision. The PK truck was a total loss and two women in the civilian car were killed. No damage resulted to the HEARMS trucks.

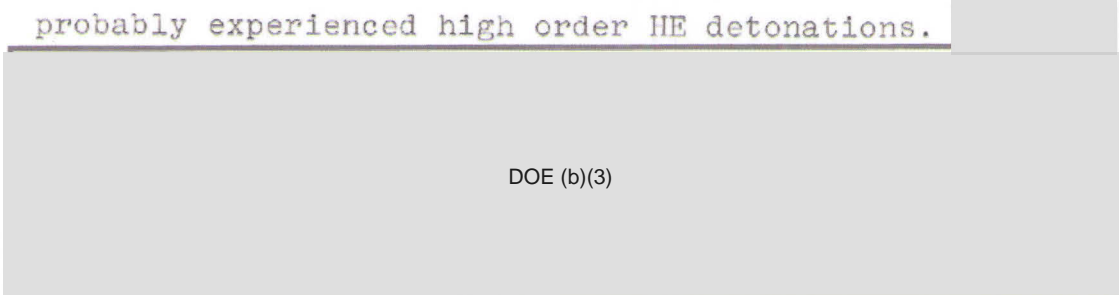
Thule, Greenland -

[REDACTED] DOE (b)(3)

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[REDACTED] The crash resulted in one fatality (due to ejection), and complete destruction of the B-52 and four weapons. Debris scattering at the crash point indicated that the four weapons remained with the aircraft until impact and were disembodied then or shortly thereafter. Evidence from examination of recovered

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weapon material indicated that three of the weapons probably experienced high order HE detonations.



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