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27 AUG 1950

DECLASSIFIED IN PART
Authority: EO 12958
Chief, Records & Declass Div, WHS
Date: FEB 24 2018

FEB 24 2018

(45) I do not see the basis for our asking for a [redacted] exclusion zone at KSC to protect against potential terrorist weapons of this nature. The maximum range of these weapons now approaches [redacted] and will probably increase with time. Any reasonable radius we select might be inadequate for this purpose in the future.

(U) It seems to me that public safety should be the primary concern in establishing an exclusion zone for the Shuttle at KSC. We understand the Apollo zone which extended about [REDACTED] from the launch pad, was established on this basis.

OSD 3.3(b)(8)

13-M-4731

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Page determined to be Unclassified
Reviewed Chief, RDD, WHS
IAW EO 13526, Section 3.5
Date: FEB 24 2016

B



RESEARCH AND
ENGINEERING

THE UNDER SECRETARY OF DEFENSE

WASHINGTON D.C. 20301

27 AUG 1980

MEMORANDUM FOR ASSISTANT SECRETARY OF THE AIR FORCE, RESEARCH, DEVELOPMENT
AND LOGISTICS

SUBJECT: Shuttle Protection at KSC and VAFB (U)

(S) At the August 5, 1980 meeting of the Aeronautics and Astronautics Coordinating Board we discussed Shuttle survivability enhancement. Dr. Frosch was clearly concerned over the [redacted] radius exclusion zone selected by Kennedy Space Center. I have written Dr. Lovelace a letter expressing my views on exclusion zones around the Shuttle launch pads and vulnerabilities to potential terrorist attack using weapons such as the [redacted]

(U) NASA is now studying the broad area of Shuttle survivability enhancement. I do feel that we should reach agreement quickly with NASA on what is needed to provide comparable levels of physical protection for the Shuttle at VAFB and KSC during all phases of Shuttle operations, not just when the Shuttle is on the launch pad. I request that you take the lead in reaching such an agreement with NASA.

OSD 3.3(D)(8)

PILL FROSC

DECLASSIFIED IN PART
Authority: EO 13526
Chief, Records & Declass Div, WHS
Date:

FEB 24 2016

Classified by 22-01522

Declassify on

Review on 21 August 2036

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THE UNDER SECRETARY OF DEFENSE

WASHINGTON, D C 20301

RESEARCH AND
ENGINEERING

COVER BRIEF

27 AUG 1980

TO: UNDER SECRETARY OF DEFENSE FOR RESEARCH AND ENGINEERING

FROM: DEPUTY UNDER SECRETARY, STRATEGIC AND SPACE SYSTEMS

PROBLEM: (S) At the August 5, 1980 AACB meeting you agreed to provide information and advice to NASA on weapons such as the [REDACTED] which terrorists might conceivably use against the Shuttle.

DISCUSSION: (S) I have already forwarded information to NASA on several such weapons, based on data provided by DIA. Briefly, the weapons are listed below:

<u>Name</u>	<u>Country</u>	<u>Maximum Range (km)</u>
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[REDACTED]	[REDACTED]	[REDACTED]
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(S) On August 12, 1980 you provided me the following guidance: "I don't see the basis for our asking for [REDACTED] exclusion zone. [REDACTED] seems reasonable to me Can't we in a week or two decide what we need and let them know."

(S) NASA established a [REDACTED] radius exclusion zone for Apollo on the basis for public safety primarily, so far as we know. They should be advised to establish a suitable exclusion zone for the Shuttle on a similar basis, which might be much less than [REDACTED]

(U) The exclusion zone around the launch pad should not be the only concern in protecting the Shuttle and payloads at the launch site. We need to be concerned also about protecting the Shuttle during orbiter, ET, SRB, and payload processing prior to delivery to the launch pad. It would be highly desirable if we would plan now to provide comparable physical protection at KSC and VAFB.

(U) A letter to Dr. Lovelace is proposed for your signature (TAB A) providing advice to NASA on the exclusion zone problem at KSC, and suggesting that we agree to plan to provide comparable physical protection at KSC and VAFB during all phases of Shuttle operations.

OSD 33(b)(8)

~~Classified by DSI-1000H-283-77 and~~
~~DSI-2680-13-88~~

~~Declassify on~~
~~Review on August 2000~~

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Authority: EO 13526
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Date:

FEB 24 2016

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(U) A memorandum to Dr. Hermann is also proposed for your signature (TAB B) asking Dr. Hermann to take the lead in quickly reaching agreement with NASA on the overall physical protection problem at KSC and VAFB.

RECOMMENDATION: (U) That you sign the memos at TAB A and TAB B.

COORDINATION: (U)

Dr. Hermann _____

(Signature)

(Date)

Attachments

Signed
V. G. T.

Office of the Secretary of Defense 5 U.S.C. § 552
 Chief, RDD, ESD, WHS
 Date: 24 FEB 2016 Authority: EO 13526
 Declassify: _____ Deny in Full: _____
 Declassify in Part: X
 Reason: 3,3(b)(8) and 5 U.S.C. § 552 (b)(6)
 MDR: 13 -M- 4731

DECLASSIFIED IN FULL
 Authority: EO 13526
 Chief, Records & Declass Div, WHS
 Date: FEB 24 2016

OSD 5 U.S.C. § 552 (b)(6)

Prepared by: Mr. [REDACTED] O&SS [REDACTED] 21Aug80

Thru: Dr. Atkins, Dir, O&SS

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