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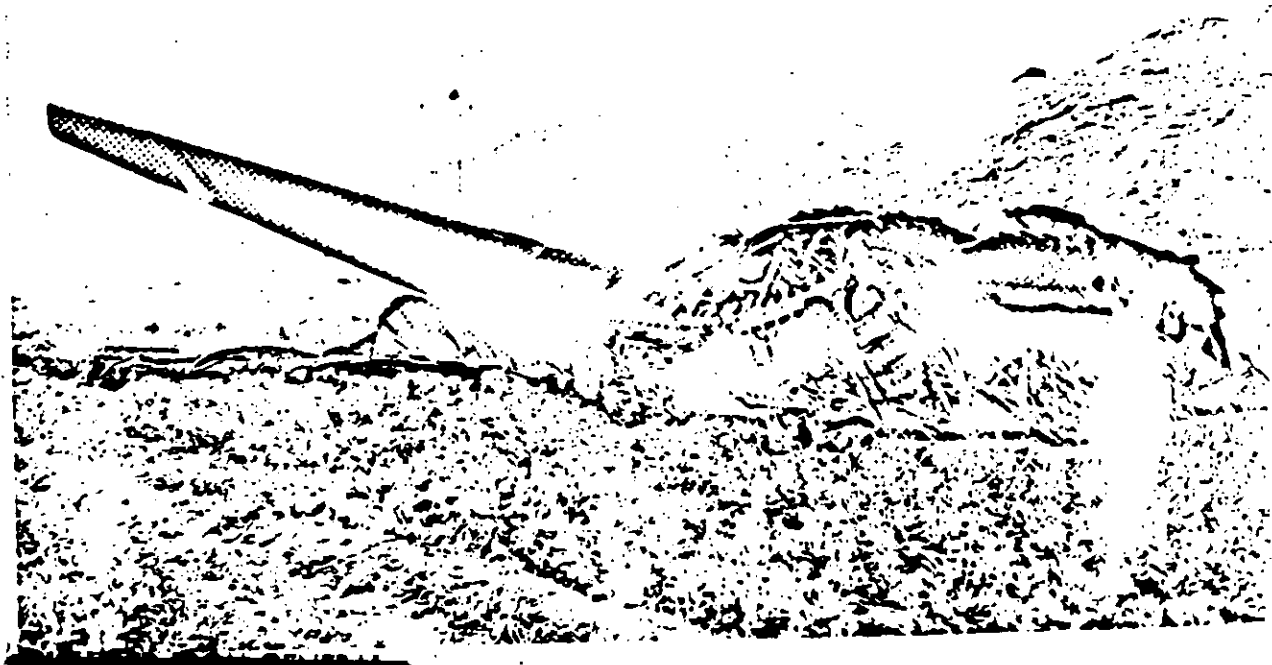
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Vol. 51

BROKEN ARROW

Palomares, Spain

~~THIS DOCUMENT CONTAINS~~ 14 PAGES
~~UNCLASSIFIED INFORMATION~~



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~~DECLASSIFICATION SCHEDULE~~

B-52 Empennage—Right Side

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The recent Broken Arrow accident, over Spain, serves as a grim reminder of the need for eternal vigilance of nuclear safety practices and preparations for any eventuality. This article provides valuable information that may be used as a guide for all echelons of command for their review of procedures and preparations.

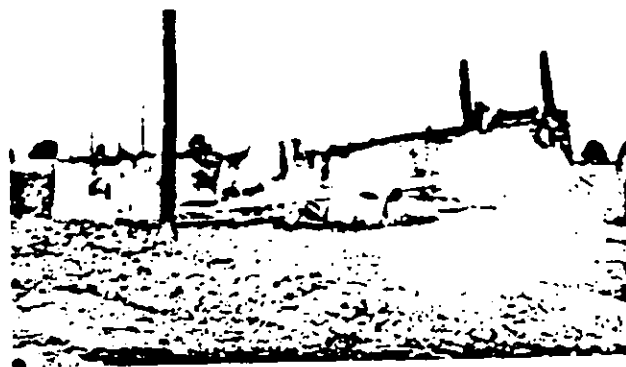
Palomares, a small remote community on the Spanish Mediterranean Coast, will long remember the date 17 January 1966 when a B-52 bomber and a KC-135 tanker collided high overhead. Aside from interrupting the quiet existence of the residents of Palomares, this mid-air collision changed the Spanish policy of United States aircraft overflights, and threatened the U. S. Air Force airborne alert posture.

The aircraft involved were part of a formation of two B-52s and two KC-135s using the Saddle Rock Refueling Area. The weather was clear with winds from the NNW at 60 knots, 30,000' to Westerly at 20 knots on the surface. Aircraft wreckage was strewn over a wide area, portions of the B-52 fell off-shore.

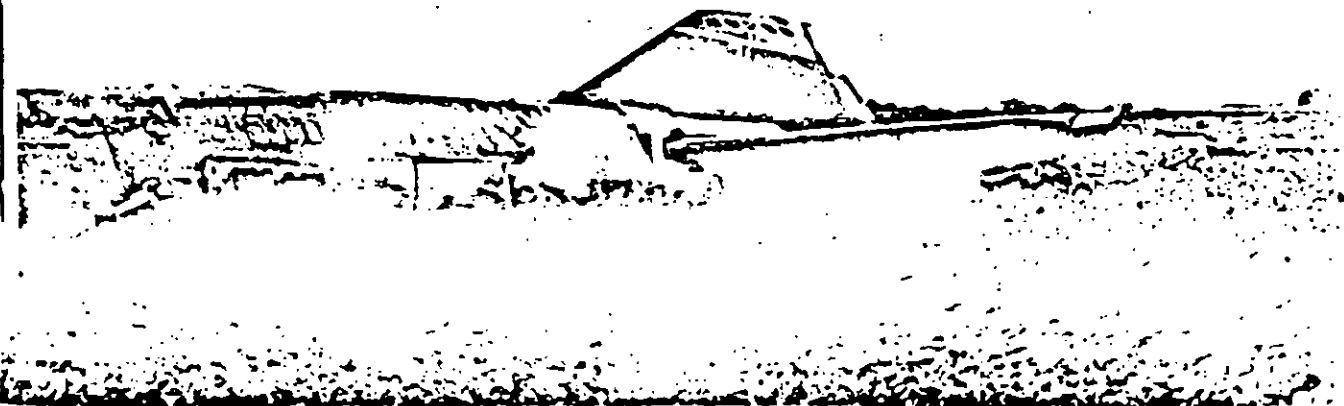
The initial Apex Beeline report of a probable aircraft accident was made by the 16th Air Force Command Post at 1040Z. Confirmation of the accident was forwarded by 16th Air Force at 1122Z. The 68th Bomb Wing at Seymour-Johnson AFB, North Carolina, home base of the B-52, confirmed that four MK28 FI weapons were aboard the aircraft.



B-52 Wreckage—Left Wing—No. 1 and 2 Engines



B-52 Fuselage—Left Side



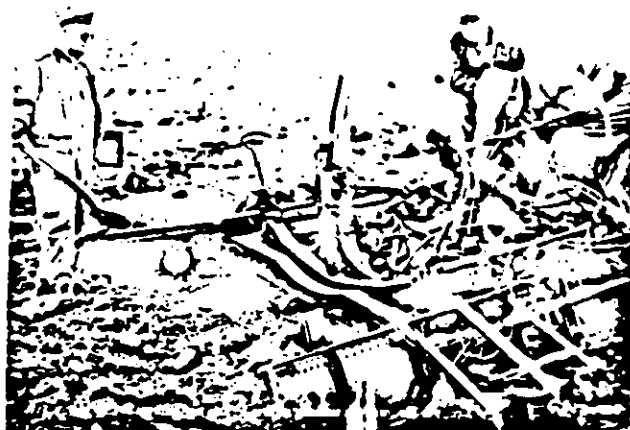
B-52 Empennage—Left Side

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BROKEN ARROW

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B-52 Bomb Rack

Maj Gen Delmar E. Wilson, Commander of the Air Force, Torrejon AB, Spain, proceeded immediately to the site with a Disaster Control Team. Late the same day, a team from the 7410th EOD Squadron, USAFE, was airlifted to the scene. The SAC Disaster Control Team, commanded by Maj Gen A. Beck, proceeded from SAC Hq. Maj Gen William I. Campbell requested MAC to divert a C-135 to Kirtland AFB, New Mexico, where the Director of Nuclear Safety, Col W. E. Gernert, and a team of atomic experts from the U. S. Air Force Directorate of Nuclear Safety, Los Alamos Scientific Lab, Atomic Energy Commission, Sandia Corp, and Defense Atomic Support Agency were airlifted to Torrejon AB. They were accompanied by Col H. W. Ritter and Mr. Sidney Berman, representatives of Flight Safety.

The weapons were numbered in the order in which they were discovered. They had been positioned in the MHU-20C as follows: Number 1, upper left; number 2, upper right; number 3, lower right and number 4, lower left.



Aircraft Wreckage Staging Area

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WEAPON NO. 1

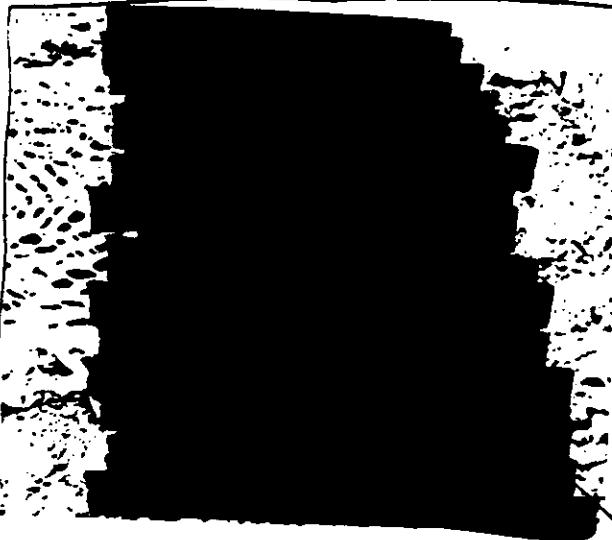
(b)(1) Weapon No. 1 was located in a terraced, cultivated area about 1 mile southeast of the village of Palomares and several hundred yards from the beach. This weapon was essentially intact. The tail closing plate tore off during breakup of the B-52, thereby deploying the pilot chute. The bomb nose had a 9-inch gash and was depressed slightly inward from impact. Three of the four fins were torn away. The ready-safe switch was found indicating "Safe"

The weapon loading lugs were still engaged in the MB-3A release rack mechanism.

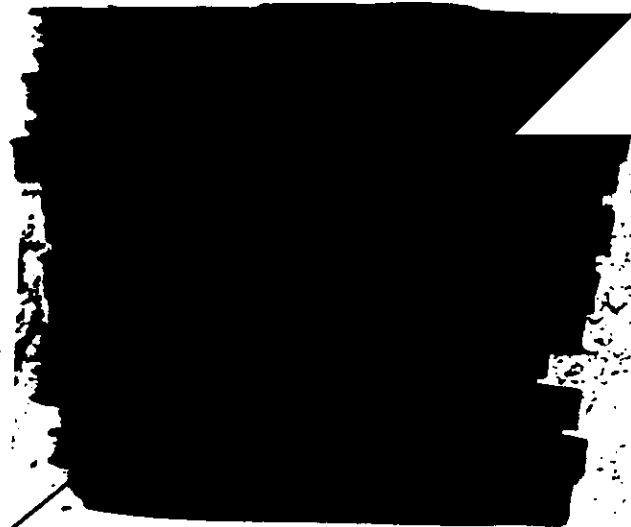
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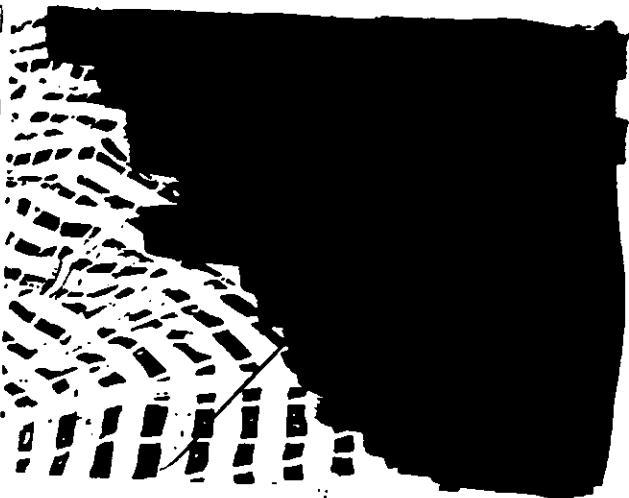
Impact and Recovery Area of No. 1 Weapon



Weapon No. 1 with MB-3A Bomb Rack Attached



Weapon No. 1 "Ready Safe" switch in safe position



Weapon No. 1



Weapon No. 1 with MB-3A Bomb Rack attached

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DESTROYED DATA

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BROKEN ARROW

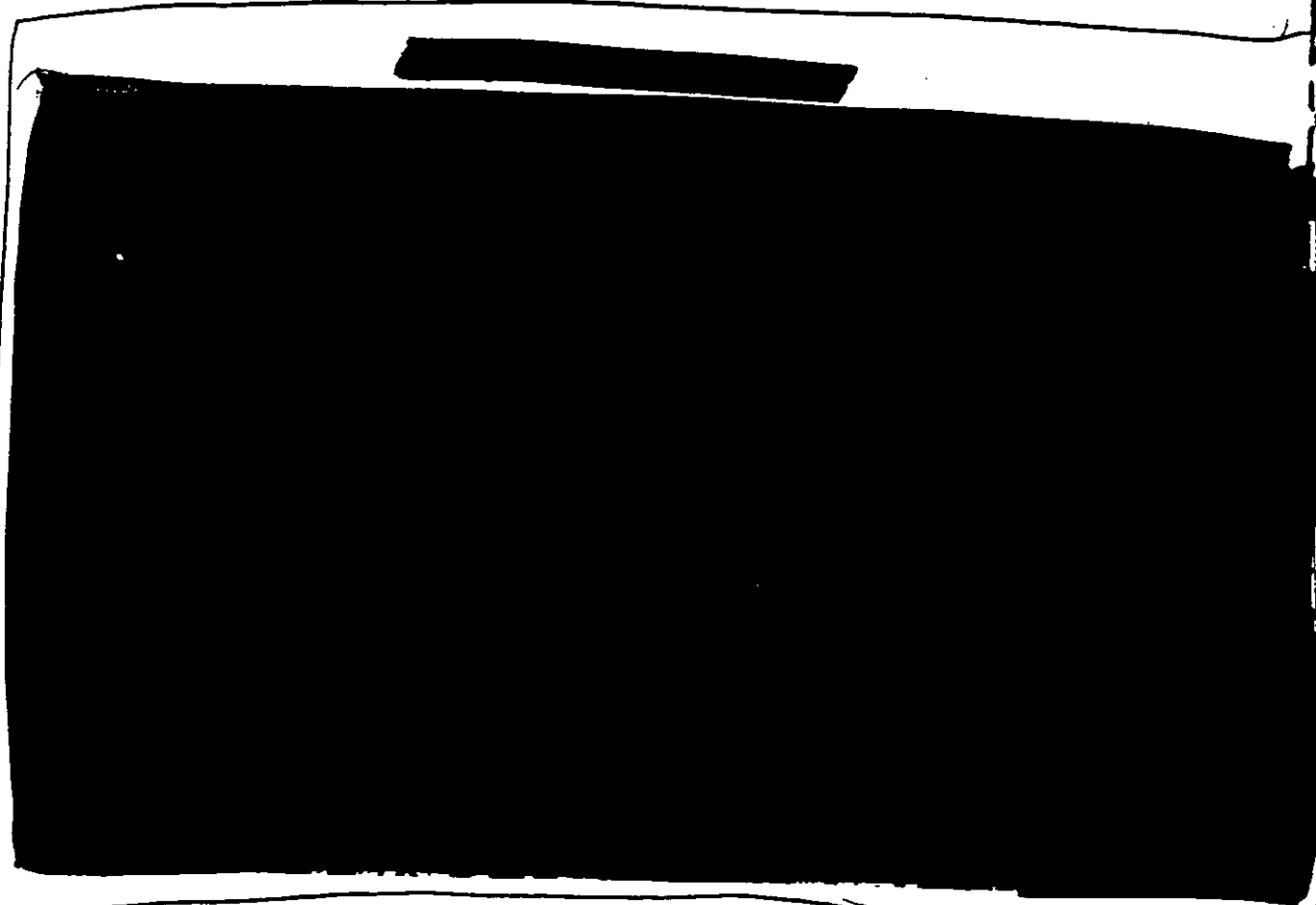
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Crater of the impact area of weapon no. 2

WEAPON NO. 2

~~(S)~~ Weapon No. 2 was located in rolling hills about 1 mile west of Palomares. The high explosives (HE) had experienced a low order detonation. The bomb secondary was found in a crater about 20 feet in diameter and six feet deep. The broken afterbody and parapak were found about 100 yards from the impact point. The Mild Detonating Fuze (MDF) had functioned, presumably on impact, and the pilot chute was spilled. The main chute was out of the ruptured afterbody case; however, it was still in the chute bag. Firing components and quantities of unburned HE were recovered in small pieces. There was plutonium contamination in the area. No tritium indication was obtained with T-290 tests.



Weapon No. 2 after-body and parachute

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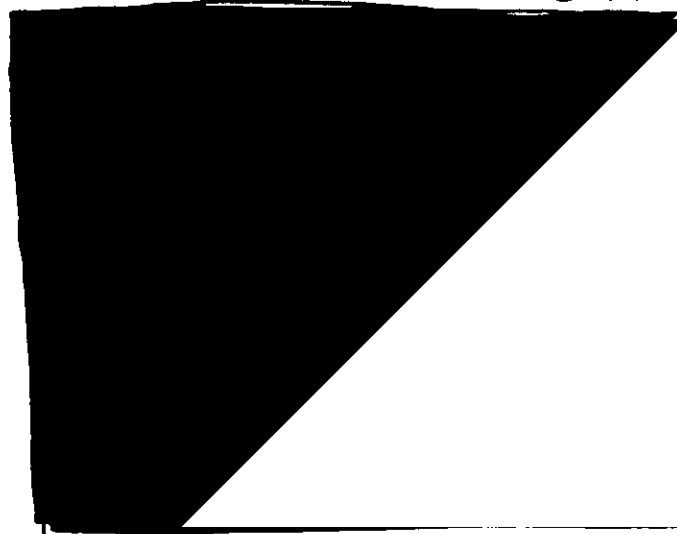
BROKEN
ARROW

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WEAPON NO. 3

Weapon No. 3 was found in a cultivated area on the eastern edge of Palomares. The HE in this weapon also experienced a low-order detonation. Quantities of unburned HE were recovered. The secondary was in a crater which measured about 10 feet in diameter and 3 feet deep. The smashed reservoir was found approximately 500 yards from the impact point. The afterbody was fairly intact with the main chute inside. The tail cover plate had apparently been torn off during break up of the aircraft and the pilot chute deployed. The pilot chute was partly burned, allowing this weapon to descend faster than No. 1. There was plutonium contamination in the area.

The tail coverplate of Weapon No. 4 was found on land with the support rings and MDF intact. No



Weapon No. 3 tail section with burned parachute



Weapon No. 3 tail section with burned parachute

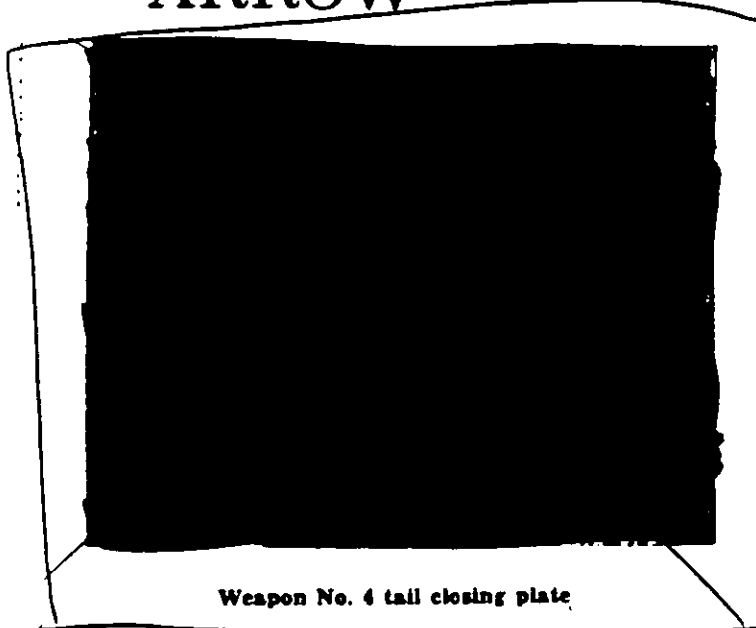
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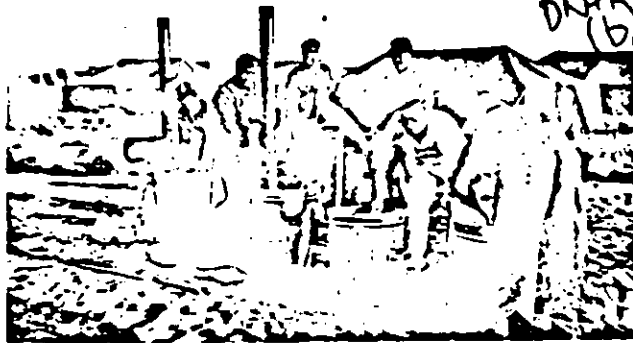
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Weapon No. 4 tail closing plate



Personnel Decontamination



Alpha Monitoring

other traces of this weapon were found until the weapon was located on the ocean floor.

CONTAMINATION

As radiological monitoring moved outward from the impact points of Weapons No. 2 and 3, the contaminated area was established. From ground zero of Weapon No. 2, initial alpha contamination ranging from over 2,000,000 cpm to 7,000 cpm covered an area of approximately 36 acres. From ground zero of Weapon No. 3, the contamination ranged from over 2,000,000 cpm to 7,000 cpm and covered an area of approximately 11 acres. The area to 7,000 cpm area of contamination from both weapons ran together, covering approximately 650 acres. Contamination was caused by the scattered plutonium and uranium.

Immediate requirements existed to detect and mark the large areas of contamination and to locate and recover the No. 4 weapon. Personnel and equipment were dispatched to this area until a peak population of over 700 was reached at "Camp Wilson." Over 40 PAC-15 radiation detection instruments were used by the monitors. It became apparent that an accident of this scope required field reliable instruments and thoroughly trained operators.

Once the weapon components were recovered and the contaminated area well defined, the problem of "what to do about it" came next. With the agreement of the Spanish Government, the top soil of the very highly contaminated areas was removed, placed in barrels, and returned to the continental U.S. The lesser contaminated areas were plowed and watered until the count was reduced to an insignificant level. All crops and other vegetation under 400 cpm were removed from the highly contaminated areas and disposed of. The tomatoes from low-level radiation areas were purchased by the Air Force and, after washing, were consumed by the camp complement, "Warner's Warriors."

THE SEARCH FOR WEAPON NO. 4

During the detection and cleanup of the contaminated areas, an equal force was busily engaged combing a large area for the missing No. 4 weapon. This area was crossed and re-crossed by searchers at arm's length. The area was searched in minute detail with personnel looking for holes which could be made by a falling secondary in the event a mid-air break up of the weapon had occurred. Many small depressions and open mine shafts were marked and systematically probed in an effort to locate the weapon component.

A Systems Analysis Team composed of personnel from the AEC Albuquerque Operations Office, San

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CONTAMINATION



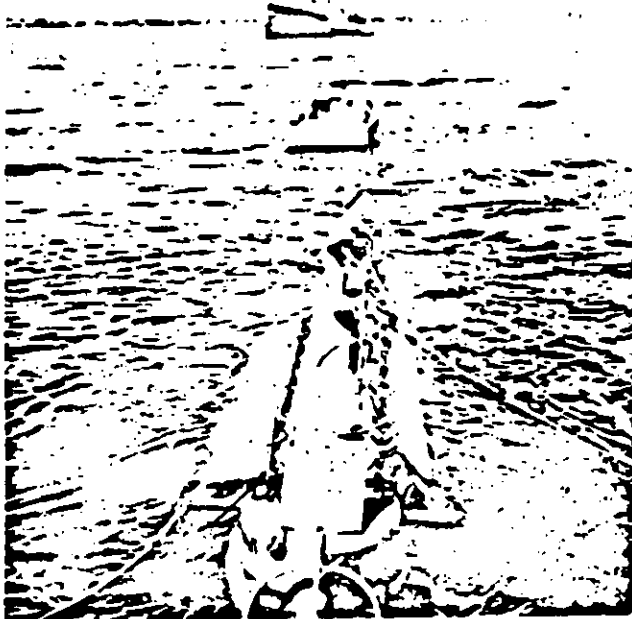
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Alumnaut



Alumnaut and Alvin

dia Corporation, System Evaluation Group (Wright-Patterson AFB), and the Directorate of Armament Development (Eglin AFB, Fla.) was appointed to study the problem and define the probable impact area of the No. 4 weapon and/or weapon parts. The team, aided by computer runs at Sandia Corp., established the probable aircraft impact point, probable point at which weapons were forcibly released and possible areas to search for the missing weapon. Two theories, both with some supporting evidence, pointed to the Mediterranean Sea as the resting place.

~~(S.D.) (C-1)~~ One of the two salt water solutions would have the weapon striking a portion of falling aircraft debris resulting in a low order detonation. There was some unexplained low-level contamination on several aircraft parts and in the initial urinalysis of one of the survivors. Also, eyewitness reports of deployed parachutes described two, in particular, that would account for the 16-foot chute with large chute bag attached and the 64-foot chute with only the weapon aft section attached.

~~(S.D.) (C-1)~~ The second theory postulated that the weapon tail cover plate was torn off when the weapon was thrown free of the aircraft, deploying the parachutes. This would allow the weapon to descend in a retarded condition. The sighting of a large chute apparently reefed in a figure eight appearance lent credence to this solution. Since only the cover plate was found and the large chute would cause the bomb to drift out to sea during descent, this was finally selected as the more logical theory.

Based on crew member reports from several fishing boats concerning the estimated positions of the



Ocean Bottom Scanning Sonar

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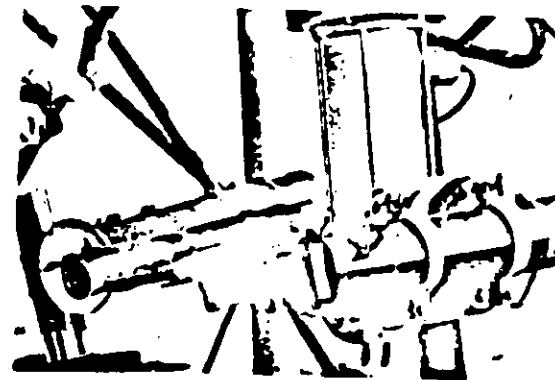
parachutes and recovery of survivors, a primary water search area was established. A Navy Task Force, commanded by RADM William Guest, conducted the underwater portion of the recovery operation. Sonar was used to detect suspected objects. The location of each sounding was charted and numbered for later examination by deep submersible vehicles.

RECOVERY OF WEAPON NO. 4

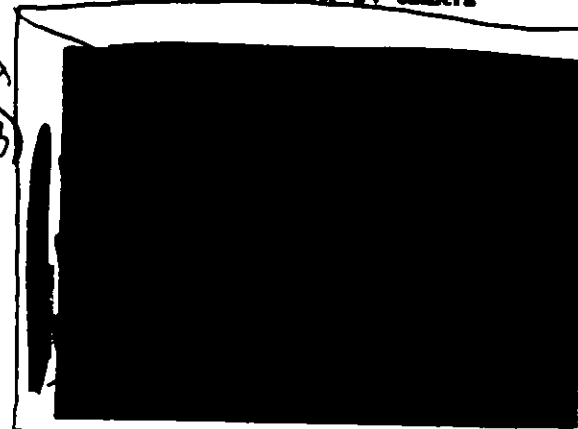
On the 15th of March at 1100Z, the two-man submersible device named "Alvin" located an object with an attached grayish parachute resting on a 70-degree slope at a depth of 2,550 feet. The chute was tangled with the object, covering most of it. The following day, underwater photographs of the object were evaluated by a team composed of AEC and Air Force EOD personnel. The civilian crew of the Alvin also examined photographs of weapons and clip-in racks. Both groups were convinced that the object was the missing weapon with a portion of the clip-in assembly still attached.

Sea conditions and the necessity for careful planning delayed the recovery attempt until 23 March. Improved conditions on 24 March led to the first attempt to recover the weapon. The plan was to move the unit up slope to a more shallow, level area where divers could be used for final recovery. During this attempt, the nylon cable fastened to the weapon was cut and contact with the weapon was lost.

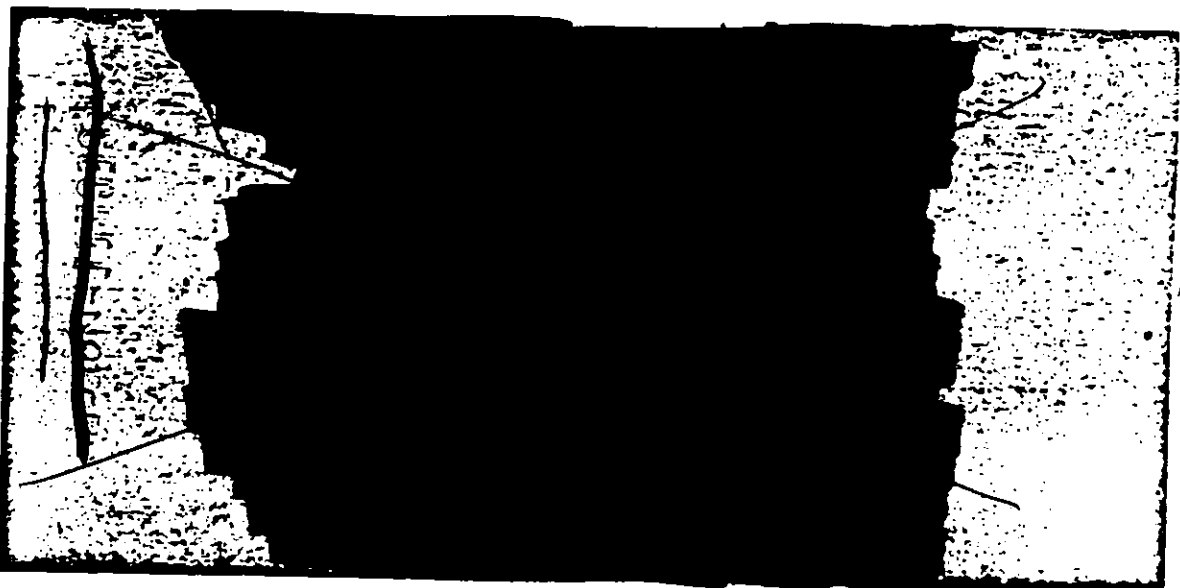
On 2 April, the Alvin again located the weapon. It had moved down slope to a depth of 2,900 feet.



Underwater TV camera



Underwater photograph of Weapon No. 4



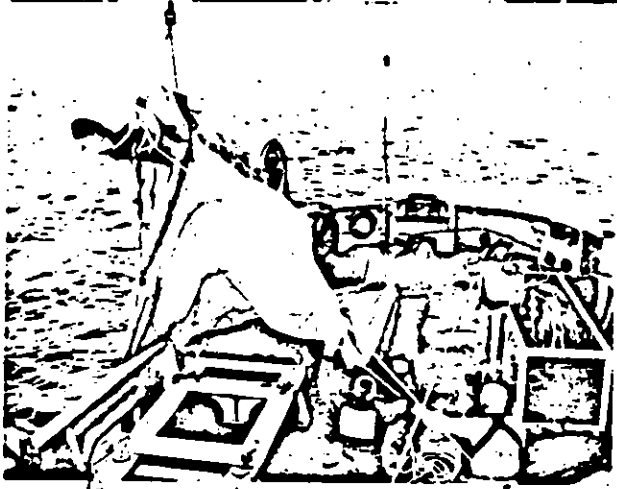
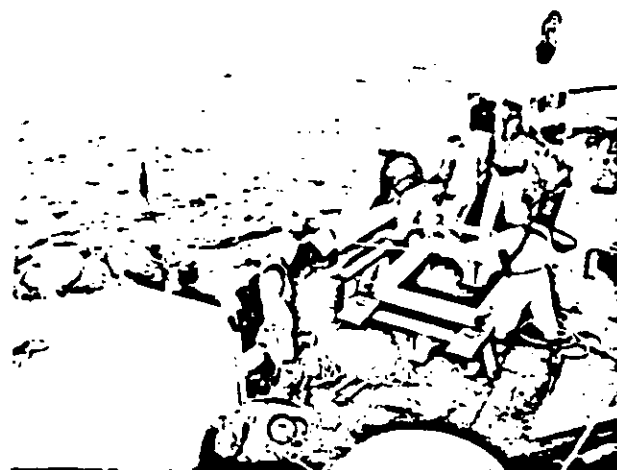
Underwater photograph of weapon No. 4 with parachute and bomb rack mounting structure

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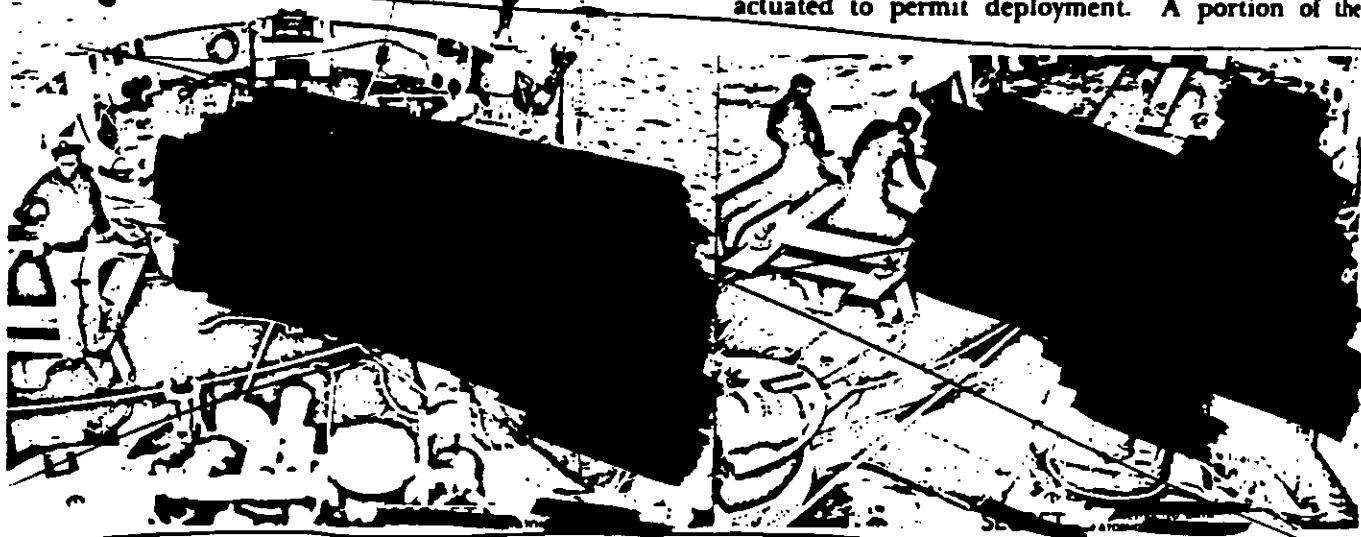
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Again, preparations were initiated to recover the unit. Early on the morning of 7 April, the CURV, an unmanned torpedo-recovery vehicle, became firmly entangled in the weapon parachute while attempting to attach a third towing line. At this time, it was decided to raise the CURV and weapon together. When the weapon was approximately 100 feet below the surface, divers attached a steel cable fore and aft of the bomb lift lugs. The unit was then hoisted aboard the recovery vessel where a composite Air Force/Navy EOD team was standing by to perform the Rendering Safe Procedures. Minimum Rendering Safe Procedures were performed in order to maximize post mortem investigation.

~~(S)~~ ~~(C)~~ The recovered weapon was in surprisingly good condition, considering the environment to which it had been subjected over the past 80 days. The exterior of the unit was generally intact except for two gashes approximately 40-inches long at the bottom of the tail ballistic case section. Three fins, pullout rods, and the tail closing plate and ring were found on land. One fin was found entangled in the parachute canopy. One large and several small indentations were evident on the nose section. The aluminum honeycomb shock-mitigating material had been deformed. The weapon skin on the fuze section was slightly buckled presumably due to overpressure in the deep water. The warhead case cover inside the weapon was depressed against internal components. Water had been forced inside all portions of the weapon and mud was inside the fuze and tail sections. All parachutes except the 30-inch stabilization chute had deployed although the detonators had not actuated to permit deployment. A portion of the



RECOVERY OF WEAPON NO. 4

BROKEN
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MU20/C clip-in assembly had been torn from the vault and was still bolted to the MB-3 rack. The MB-3 was locked to both lifting lugs on the weapon. The rear of the MB-3 was compressed so that the locking mechanism was jammed in the locked position.

(S RB) (Op 1) The rendering safe procedures accomplished by the joint Air Force/Navy team were monitored by Air Force, Navy, and AEC representatives.

[REDACTED] DNR (b)(3)

Except for the warhead cover removal, little difficulty was encountered in component disassembly. There was very little evidence of corrosion on any of the parts.

The disassembled weapon was mounted in a J-79 engine container, and sand was poured around the warhead section. The other components were packed separately in either end of the container.

Throughout the render safe procedures and preparation for shipment, monitoring was conducted with T-290, PDR-27 and PDR-56 Radiac instruments. There was no indication of contamination above background level for the weapon.

Camp Wilson was closed on Easter, 10 April 1966. Navy Task Force 65 was deactivated on 11 April 1966. To the many support agencies and especially those who wear the insignia of the Broken Arrow and the Black Beret and specially to Maj Gen Delmar E. Wilson who commanded and coordinated all phases of the search and rescue operation — **JOB WELL DONE.**

RENDERING SAFE

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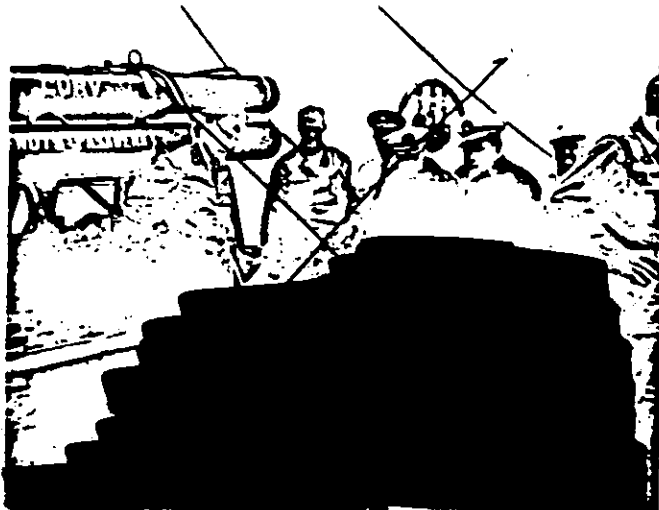
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WEAPON NO. 4



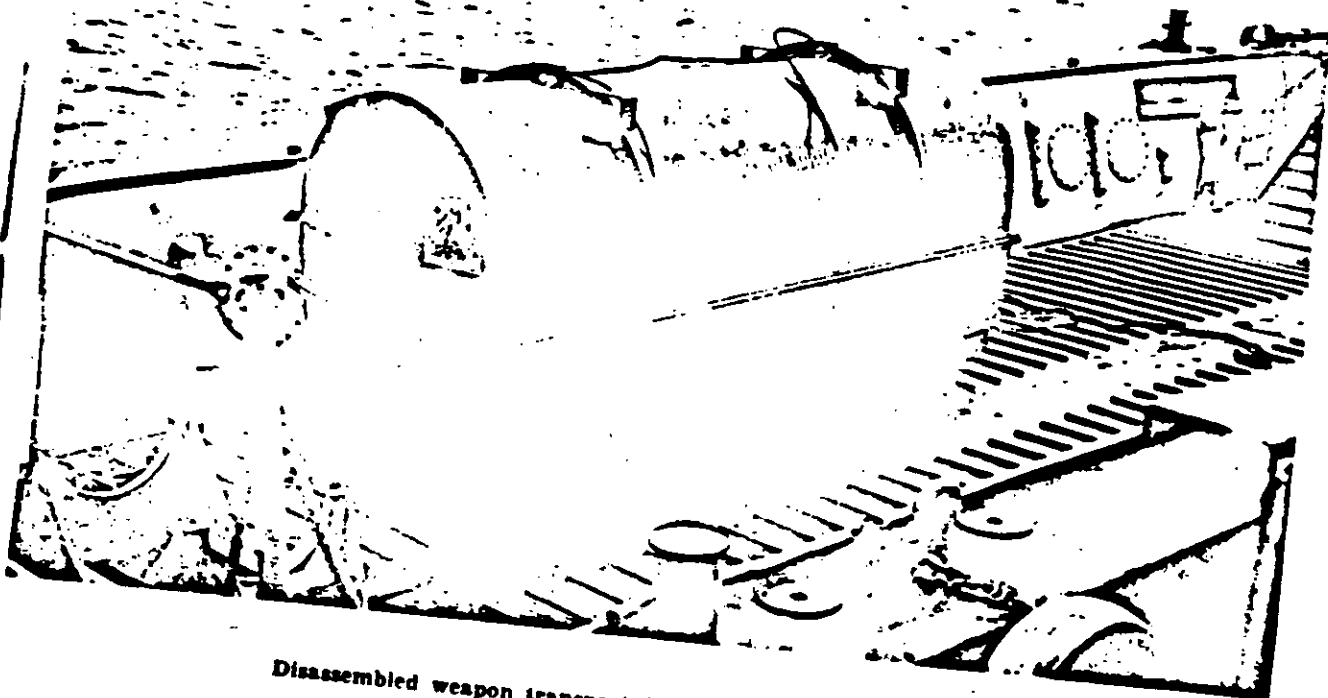
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Disassembled weapon transported in a J-79 engine container.

A MESSAGE FROM THE CHIEF OF STAFF

I would like to pass on the following message received from Secretary of Defense McNamara:

"The recovery of the missing nuclear weapon near Palomares brings to conclusion the critical phase of an extremely difficult and vitally important task. The determination, dedication and professionalism which have characterized this effort are in the highest tradition of the military services. The efforts of the forces concerned, together with the support, advice, and assistance of the Atomic Energy Commission and its laboratories and of the entire country team in Spain, have been instrumental in transforming the tragic accident of January 17th into a clear demonstration of a responsible nation acting in good faith. Please convey to all concerned my congratulations and sincere appreciation. s/Robert S. McNamara, Secretary of Defense."

Please add my appreciation and thanks to all of the personnel involved for their standing efforts.

J. P. McCONNELL, General, USAF
Chief of Staff

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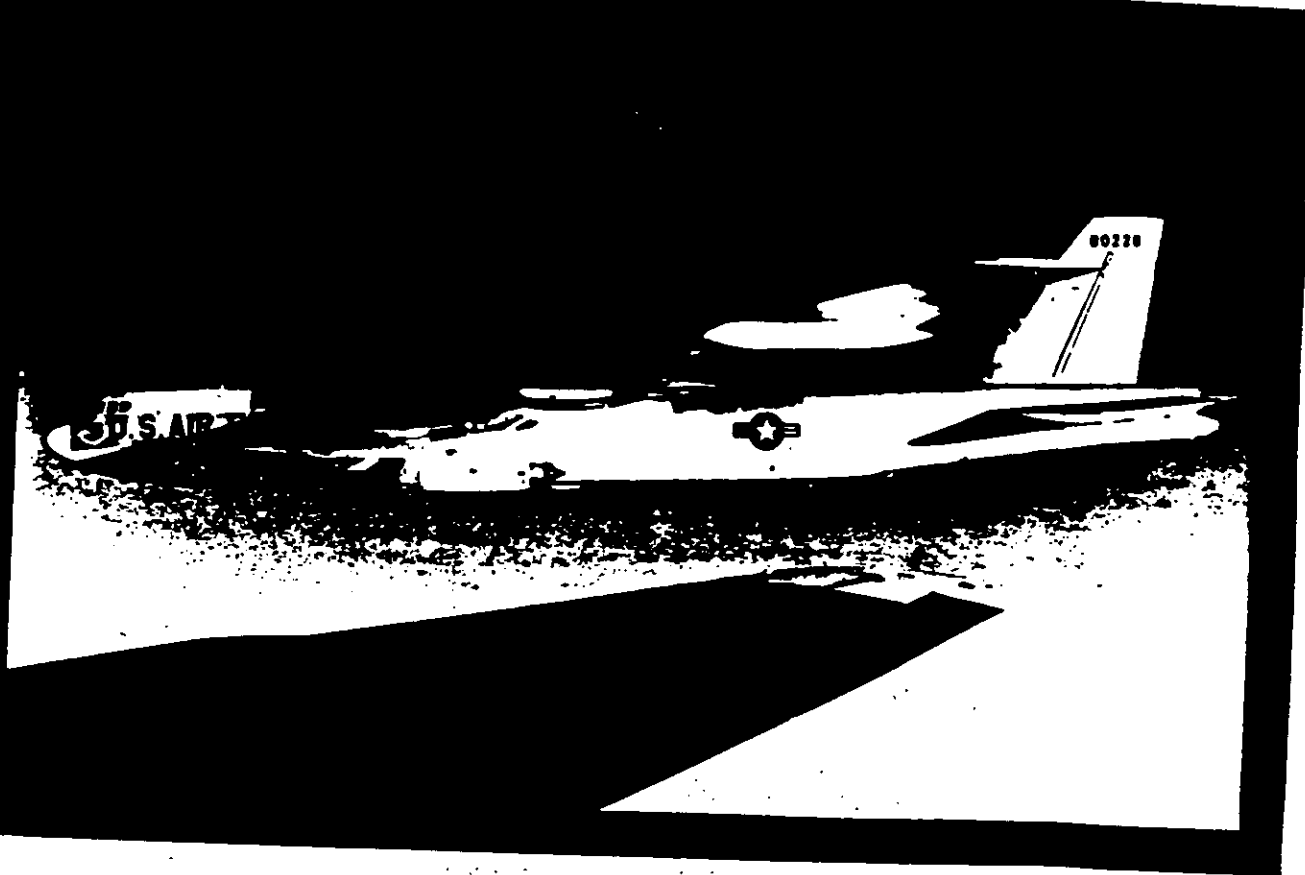
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UNITED STATES AIR FORCE

NUCLEAR SAFETY

VOLUME 62

SEPTEMBER-OCTOBER 1966



BROKEN ARROW

AFTERMATH

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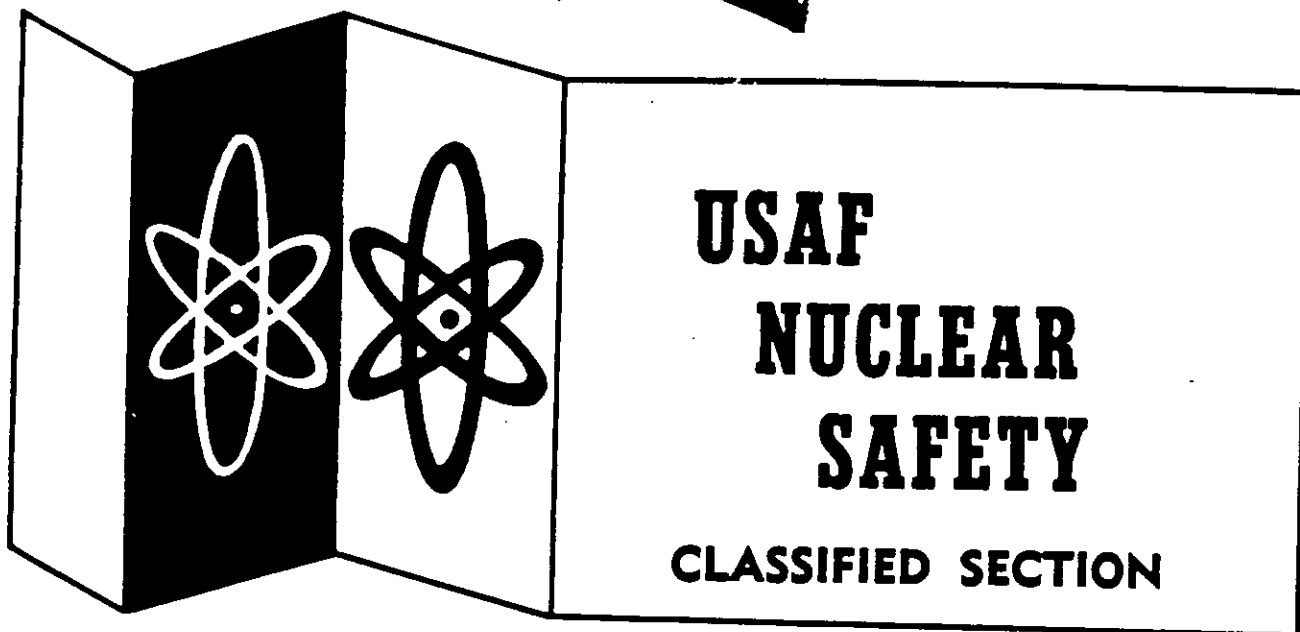
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- 8 AID Reporting

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BROKEN ARROW-

THULE

WEAPON SYSTEMS DIVISION
DIRECTORATE OF NUCLEAR SAFETY

~~This article is classified SECRET-RESTRICTED~~
~~EXCLUDED FROM AUTOMATIC DOWNGRADING~~

INTRODUCTION

On 21 January 1968 the United States Air Force experienced its first nuclear accident in two years. The last previous accident occurred in January 1966 near Palomares, Spain.

This latest nuclear accident, or Broken Arrow, resulted from the crash of a B-52G aircraft near Thule Air Base, Greenland. The aircraft was on an airborne alert mission with four [REDACTED] weapons aboard. The accident occurred following an uncontrollable in-flight cabin fire which necessitated abandonment of the aircraft. Six of the seven crew members survived.

The aircraft crashed on the sea ice of Wolstenholme Fjord, 7 1/2 miles west of Thule Air Base, at an estimated speed in excess of 450 knots. Figure 1 shows the crash location. The aircraft and weapons were destroyed by impact, explosion, and fire. Burning of the JP-4 fuel produced a blackened area, shown in Figure 2, which measured approximately 160 by 720 yards. The force of the impact and detonation of the high explosives in the bombs spread aircraft debris and weapon components over a 1- by 3-mile area. Radioactive contamination could be detected throughout most of this area; however, the majority of this contamination was confined to the blackened area.

Sections of the aircraft bomb bay were found 2 miles north of the impact area. These were not con-



Figure 1—Crash location



Figure 2—Blackened area

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taminated. The aircraft had started to disintegrate prior to impact due to structural loads and air frame twisting at high speeds.

The thickness of the ice at the time of the crash was determined to be 30 to 48 inches. Depth of the water in the fjord under the crash site was about 800 feet.

The name "Crested Ice" was assigned to the Disaster Response Force recovery actions following the nuclear accident. Response Force actions were terminated as of 30 March 1968.

ACCIDENT RESPONSE

At 2040Z on 21 January 1968, the Headquarters SAC Command Post was notified that a crash had occurred at 2039Z. The SAC Disaster Control Team departed Offutt AFB at 0125Z, 22 January 1968, and arrived at Thule at 0644Z—approximately ten hours after the crash.

By 1845Z on 22 January 1968, a total of 68 people, including members of the SAC Team, were available at Thule to conduct the disaster control operation. Other commands or agencies represented were the Aerospace Defense Command, Air Force Logistics Command, Air Force Directorate of Nuclear Safety, Defense Atomic Support Agency, Atomic Energy Commission, Los Alamos Scientific Laboratory, and Sandia Corporation. Within days, the disaster control force had grown to a total of 565 people from 72 separate locations.

The On-Scene Commander was Maj Gen Richard O. Hunziker, Director of Materiel, Hq SAC. (He became the Deputy Inspector General for Inspection and Safety, Hq USAF, on 1 May 1968). Organization of the Disaster Control Team is shown in Figure 3.

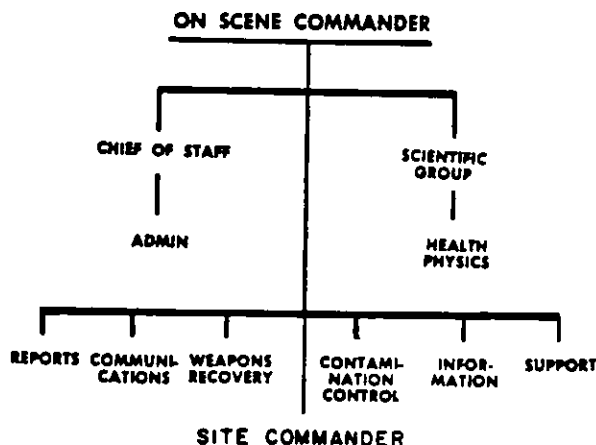


Figure 3—Organization of the Disaster Control Team

ON-SITE FACILITIES

To provide control, equipment support, shelter, and communications, a base camp was constructed at the accident scene.

The first effort consisted of the construction of a heliport, erection of a prefab shelter and igloos, and the installation of generators, a telephone land-line, and radio communications. Much of the material for this first phase was transported to the site by helicopter sling.

Later, two ice roads from Thule Air Base to the crash scene were completed, making possible a 24-hour operation at the site. The base camp eventually consisted of a large prefab building, two ski-mounted buildings, several small huts, a Jamesway hut, a maintenance building, a decontamination trailer, a latrine, and several diesel power units.

This camp proved to be a key factor in permitting sustained operations in the arctic environment near Thule Air Base.

WEAPONS RECOVERY

The initial reconnaissance and early searches indicated that the 1- by 3-mile area south of the impact point was the prime area to be searched. While the total area searched was approximately 30 square miles, the search and recovery teams concentrated most of their efforts in the 1- by 3-mile area.

The four [REDACTED] bombs were contained in an MHU-20/C clip-in assembly in the aircraft. Bomb No. 690020 was in the lower right position (looking forward from the bomb bay), bomb No. 453171 in the upper right, bomb No. 815950 in the upper left, and bomb #78252 in the lower left. For easy reference, the four bombs were identified as No. 1, No. 2, No. 3, and No. 4, respectively.

Parts of the bombs were found scattered from the impact point southward for about 3 miles. The width of the scatter pattern was approximately 1 mile. Parachutes found in the burn or black area and within 1,000 feet of the impact point were heavily contaminated. Tritium reservoirs were located between 1,500 and 3,000 feet from the impact area. All reservoirs [REDACTED] had been deformed by the detonation of the high explosives in the bombs. The reservoir from bomb No. 4 was deformed in a different manner than the ones from the other three bombs. Parts of secondaries and bomb debris were widely scattered throughout the 1- by 3-mile area. Individual bomb status is given below. Figure 4 shows the location of the recovered bomb components.

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~~RESEARCH AND DEVELOPMENT~~

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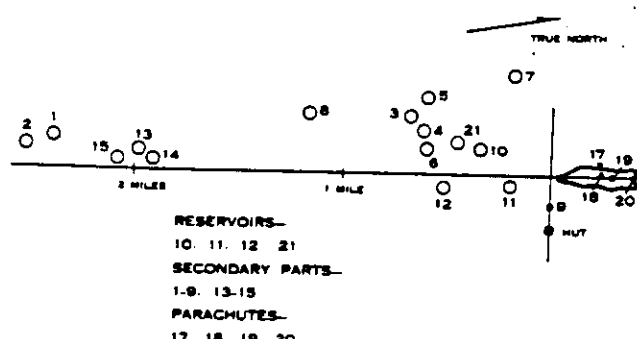


Figure 4—Location of recovered bomb components

- Bomb No. 1: Reservoir was found approximately 3,000 feet from the impact area. Parts of the secondary were found 1 mile and 2 miles south of the southern tip of the burn area.
- Bomb No. 2: Reservoir was located about 2,000 feet from the impact area. Part of the secondary was found approximately 2 1/2 miles south of the impact point.
- Bomb No. 3: Reservoir was found approximately 1,500 feet from the southern edge of the burn area.

- Bomb No. 4: Reservoir was found about 3,000 feet south of the impact area and 750 feet east of the reservoir from bomb No. 1.

Unnumbered parts of the bomb secondaries were found widely scattered. These pieces accounted for less than three complete secondaries. An analysis by the AEC of the recovered secondary components indicates recovery of 85% of the uranium and 94%, by weight, of three secondaries. No parts of the fourth secondary have been identified.

Other miscellaneous parts found were:

- Two 64-foot parachutes
- Two 16 1/2-foot parachutes
- One unidentified parachute
- One tail closing plate
- Two valve assemblies
- One piece of case section, 2 1/2 feet by 4 1/2 inches
- One part of a low voltage power supply
- One front plate of a parachute deploying device
- One piece of coupling ring
- Four bomb lugs
- One piece of aluminum plate from fuze section (back of honeycomb)

Two irregular pieces of tuballoy—pencil size
All recovered bomb components were moved from the crash area to Thule Air Base for inspection, identification, and packaging by AEC/PANTEX personnel prior to shipment to AEC facilities in the CONUS.

AIRCRAFT DEBRIS

The recovery of aircraft debris began during the early days of the disaster control operation. This was necessary in order to stop the spread of contaminated debris which occurred during periods of high winds. As this debris was collected, every effort was made to separate aircraft parts from weapon parts. Explosive Ordnance Disposal (EOD) personnel examined all questionable pieces to assure that weapon parts were not mixed with aircraft debris.

Containment of aircraft debris was started on 9 February, using 30- and 50-gallon containers, surplus R-4360 engine containers, and various large tanks obtained from the Thule Air Base salvage yard. All containers were sealed at the crash site, checked for any external contamination, and then moved to an on-base storage area where another check for external contamination was performed. Representatives from the Oak Ridge National Laboratory observed all packing, transportation, sealing, and storing procedures.

The recovered debris filled 163 drums, 14 engine containers, and 11 large tanks with a total capacity of 14,720 cubic feet.

During the summer months, the recovered debris will be shipped to a burial site within the CONUS.

CONTAMINATION CONTROL

Controlling the spread of contamination was one of the primary objectives of the disaster control team. Gross decontamination of personnel was accomplished at the crash site, and final decontamination was conducted in a complete on-base facility. The standards used were a maximum of 450 counts per minute (CPM) (measured with PAC-1S meters) for U. S. personnel, and zero for foreign nationals.

Vehicles underwent preliminary decontamination at the site and were then processed through water and steam facilities on base. These facilities were also used to decontaminate miscellaneous items of support equipment.

Base facilities such as billets, Officer and NCO Clubs, etc., were routinely monitored to verify the effectiveness of established contamination control procedures.

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ATOMIC ENERGY ACT 1954

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RADIOLOGICAL MONITORING

Radiological monitoring was accomplished throughout the entire disaster control operation.

Beta-gamma readings taken during the initial days of the operation with an AN/PDR-27J instrument did not exceed 1.5 milliroentgens per hour. This confirmed that there was no nuclear yield from any of the four weapons.

A zero line was established on 25 January. This line, enclosing a 1- by 3-mile area at the crash scene, marked the outer limits of measurable alpha contamination. This "Hot Line" was used for the control of personnel and vehicles entering and leaving the contaminated area.

Practically all metal debris within the 1- by 3-mile area was contaminated. Within the 160- by 720-yard black area, alpha contamination readings of 200,000 CPM were common; readings in excess of 2,000,000 CPM were obtained from some metal debris.

During the early phases of Operation "Crested Ice," alpha contamination measurements were made with PAC-1S meters. The effectiveness of these instruments for conducting an area radiological plot of the crash scene was questionable, since a thin cover of snow or ice would mask the alpha radiation.

Low energy X- and gamma rays are associated with the alpha decay of plutonium (17 KEV X-ray from plutonium 239 and 60 KEV gamma ray from americium 241, a daughter product of plutonium 241). For the first time at a Broken Arrow, an instrument capable of detecting these low energy X- and gamma rays was used for area surveys. The instrument is called the FIDLER (Field Instrument for Detection of Low Energy Raditions). The instrument consists of the new Eberline Instrument Company Model PRM-5 analyzer and a scintillation detector constructed by Harshaw Chemical Company. The detector scintillation crystal (Sodium Iodide) is 1/16 inch thick and 5 inches in diameter and is very efficient for low energy radiation. It was used effectively to plot plutonium contamination (area survey) by measuring the 60 KEV gamma radiation from the americium 241 which is not greatly attenuated by a thin layer of ice or snow.

The PRM-5 analyzer was also used with an Eberline SPA-3 detector, a 2- by 2-inch scintillation crystal suitable for higher energies. It was calibrated to measure the 185 KEV gamma radiation from uranium 235. This combination was used for weapon component searches.

ARCTIC ENVIRONMENT

On 22 January, when the SAC Disaster Control

Team conducted its initial reconnaissance of the crash area, a short period of half-light existed at midday. Twilight began on 24 January, increasing to 5 1/2-6 hours on 10 February. On that date, the sun appeared at Thule Air Base for the first time since 2 November 1967. The amount of sunshine increased daily until 10 April when there were 24 hours of sunlight.

The average equivalent temperature during operation "Crested Ice" was minus 40 degrees; on some days equivalent temperatures of minus 80 degrees were recorded. Associated with these extremely low equivalent temperatures were the sudden, severe arctic storms. Characteristics of these storms are as follows: Phase Alert, severe weather is forecast and probable; Phase I, wind 20-30 knots, visibility one-half to three-quarters of a mile; Phase II, wind 31-50 knots, visibility one-quarter to one-half of a mile; Phase III, wind 51 knots or more, visibility one-quarter of a mile.

NUCLEAR SAFETY CONSIDERATIONS

When the B-52G aircraft was abandoned, all nuclear weapon associated switches in the aircraft and bombs were properly positioned, safety wired and sealed, in accordance with ~~_____~~ "Safety Rules for the B-52 ~~_____~~" DN
(6X3)

Interrogation of the aircraft flight crew by the 8th Air Force Aircraft Accident Investigation Board definitely verified that the aircrew, during the flight, took absolutely no action to change any of the prescribed positions of the weapon control switches. All of these controls were maintained in the SAFE configuration in which they were originally placed when the weapons were loaded aboard the aircraft in accordance with the prescribed Technical Data.

The four weapons were subjected to the catastrophic environments of impact, explosion, and fire. Safety devices in the aircraft and the weapons prevented a nuclear detonation.

SUMMARY

Project "Crested Ice" was a unique operation. Most of the personnel who participated had little arctic experience. Much of the equipment was not designed for use under arctic conditions. The remote geographical location, severe weather conditions, the size of the disaster site, and the long periods of darkness all presented numerous and difficult problems not normally associated with established disaster control plans and operations. In spite of these problems, all disaster control actions were accomplished in a timely and successful manner. This outstanding accomplishment is a tribute to the professionalism of all who participated.

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~~ATOMIC ENERGY ACT 1954~~

~~FC09080010~~

~~SECRET~~

AID

STATION

by

Mark Modd

~~Individual paragraphs of the AID manual are
FOR OFFICIAL USE ONLY unless otherwise
indicated. Any collection of data drawn from
these summaries will have the same classifica-
tion as CONFIDENTIAL. (para 1-96, AID
1-1-77)~~

DON'T BREAK THE PIN

~~(SECRET) (S)~~ The Mk-28 weapon-to-aircraft connectors are prone to breakage if roughly handled during loading. The break pins in the weapon connectors are particularly susceptible to shearing. The Mk-28 load/unload procedures in TO 1F-XX-16-2 and the break pin check portion (para 8-5) of TO 11N-B28-1 contain a multitude of caution notes. These notes stress that:

- Pullout receptacles are fragile.
- Extreme care is required to prevent damage to the plugs and receptacles.
- Side pressure must not be exerted on the receptacles.

~~(SECRET) (S)~~ In addition to the fragile nature of the connectors, the point is that small lateral forces (side pressure) will damage (probably shear) the break pin because of the increased leverage. Since mid-March 1967, there have been six connector/break pin deficiencies attributed to personnel error. Four of these took place in a recent three-month period. The trend speaks for itself. Delicacy and gentleness go a long way. Be a lover not a rogue.

WIND-BLOWN IGLOO DOORS AGAIN (AGAIN)

~~(SECRET) (S)~~ The following is a repeat of an article from the Jan-Feb-Mar 68 issue (AID Station) of *USAF Nuclear Safety* (Part 1): "At an overseas storage site an MHU-12/M trailer loaded with a Mk-28 weapon was being removed from the igloo. Wind blew the igloo door closed and the door handle gouged the parachute cone and put a five-inch crack in the cover. This same thing happened before—and needlessly. It's a relatively simple matter to get the Civil Engineers to install door-restraining devices that will prevent the door from moving no matter how hard the wind blows. After the devices are installed, be sure to include a requirement for their use on your breakout check list!" Would you believe it happened again? This time the crack in the parachute cone was a little smaller. The wind—only 12 knots. The corrective action taken: a priority work order was submitted to have restraints installed. What is that old saying? "Forewarned is forearmed."

OVER-CONCENTRATION AND OOPS!

~~(SECRET) (S)~~ A clip-in assembly with four Mk-28 weapons was being removed from a B-52 aircraft using an MHU-7/M trailer. The munitions loading team was complying with the unloading procedure of TO 1B-52B-16CL-1 by observing the "CAUTION: 'Observe clearance between aircraft structure and clip-in package during removal.'" Good! The problem arose when the MHU-7/M trailer wheel ran over the MD-3 power cable at such a point to apply tension at the connection point of the MD-3 power cable and the MHU-7/M power receptacle. The

~~SECRET~~

~~RESTRICTED DATA
EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION~~

~~CONFIDENTIAL~~

tension caused the power cable to twist causing a short between the power cable and receptacle which burned both connections and partially tore the rubber base of the power cable receptacle. Power was immediately turned off and a fire extinguisher broken out should a fire have developed. Then, the MHU-7/M was manually lowered to remove the weapons. Another MHU-7/M was mated to the clip-in package and the weapons were returned to the storage area. This is a case where apparently everyone was looking up to ensure that no contact would be made with the aircraft but no one was looking down to see where they were going. Take note and route the power cable so that movement of the MHU-7/M trailer will not cause this type of problem. Keep in mind that the tech order cannot include everything—play heads-up ball. This includes looking down!

LITTLE PEBBLE—BIG TROUBLE

~~CONFIDENTIAL~~ A Mk-53 had been transported to the alert pad for loading onto a B-52 aircraft. During the uploading operation, a break was discovered in the weapon skin. The weapon was returned to the maintenance facility for repair. Investigation revealed that a small pebble underneath the protective barrier paper was the cause of the problem. When the weapon was mated to the H-794 bolster cradle, the weight of the weapon against the pebble and bolster surfaces broke the weapon skin. Most probably the pebble was thrown up under the protective barrier paper during movement of the empty trailer. This type of incident has happened several times during the past few weeks. All loading personnel must physically inspect and insure that bolster surfaces are free of foreign objects before mating the weapon to a bolster cradle. Don't let a small pebble be the cause of this type of damage.

KEYS AND LOCKS

~~CONFIDENTIAL~~ (Editor's Note: In the Apr-May-Jun 68 AID Station, an incident was cited in which an igloo was left unlocked. At that time we advised double checking of structure security before departing.)

~~CONFIDENTIAL~~ Two munitions maintenance men had completed removal of two weapons from a storage magazine. Other weapons were in the structure. The security police strike team was called to verify that the magazine was secure. Upon arrival, a member of the strike team contacted the alarm operator and verified that the detection alarm system was set-up on

the structure. All personnel then departed the area. Twenty minutes later, a roving security patrol discovered the *keys and locks* on the ground in front of



the door. A HELPING HAND was declared. All hands must keep in mind that an important part of this nation's strength is contained in a nuclear weapons storage structure. Don't depart without assuring that it is secure!

IT TAKES TWO TO TANGO



~~CONFIDENTIAL~~ A B-52 was being configured for ground alert, and the preload operational checks had been completed. The aircraft crew chief instructed an airman to clean up the crew compartment. A short time later, the weapon upload was started. When load crew personnel entered the crew compartment to perform post-load checks, they found the airman alone in the aircraft. Failure to fully understand the transition of an aircraft from a free area to a no-lone zone was the cause of this violation. Supervisors must insure that a suitable two-man team is employed during any operation requiring access to a weapon loaded aircraft.

~~SECRET~~

AFR 122-4 is a vital part of the USAF Nuclear Safety Program. Read it, follow it, and don't forget it!

LOOK —

BEFORE YOU LEAP!

GAS (JP-4) PAINS

There have been several reported cases of JP-4 fuel contamination on various weapons. The result is that seals and gaskets become rather fluid-like in nature and no longer serve their purpose. Besides the unnecessary weapon maintenance generated, the danger of introducing other contaminants via the deformed seals is obvious. The word is "keep the gas in the bird" and off the weapons.

HOT STUFF!



A Mk-25 was being transported by an MF-9 trailer from the flight line to the munitions storage area. Six minutes after the convoy departed the flight line, smoke was observed coming from the right rear wheel of the MF-9 trailer. The convoy was stopped and fire department personnel arrived as a safety precaution. An investigation revealed that the deficiency had been caused by the right wheel brake cable sticking in the guide slot. The brake handle had been placed in the off position, but because the brake cable was stuck, the brake did not fully release. When an MF-9 trailer is to be moved, check and guarantee that the brakes have, in fact, released. This can be done by checking the brake cable for free movement. **DON'T GET CAUGHT WITH YOUR BRAKES HANGING!!!!**



A new "twist" was recently put on safin armament selector switches. When the armament selector switch was safetied prior to loading on F-101 aircraft, the armament selector knob was inadvertently safety wired and sealed in a position other than safe. Neither the load crew (during the post-load checks) nor the aircrew accepting the aircraft, noted the error. During aircrew changeover pre-flight some 24 hours later, the pilot noticed and reported the switch position to the Safety Officer. No need to elaborate on the potential of this situation. Remember! Look before you safety wire. In addition, aircrew members must not only verify that a switch is safetied and sealed but they must verify switch position.

AID REPORTING

Clarification—AFR 127-4. A question arose recently on the interpretation of paragraph 7a (4) (a), AFR 127-4, which outlines a new requirement for mandatory reporting of unusual and severe environments. One intent of the reporting requirement is to ensure that heavy shocks and potentially damaging earthquakes are reported. Minor tremors of the level of a passing vehicle (and obviously well below levels of normal storage and handling shock and vibration) need not be reported even though such tremors result from earthquakes. Likewise, lightning strikes other than in the vicinity (within 1,000 yards) of a nuclear weapon need not be reported.

WASH DC 10-5-4359

AT LEAST 2 EA. 174 BOTTLES (PRESERVATION) WERE DESTROYED. ALSO DESTROYED
IN CONTAINED AREA ALSO THE ITEMS, WITH NO INDICATIONS OF RADIATION
HAZARD.

A PRELIMINARY INSPECTION OF REFUELLING TANK REMOVED THAT HOSE
COUPLING AT FILLER APPARENTLY BACKED OFF AND SEPARATED. THERE IS
NO OTHER EVIDENCE TO INDICATE THAT CAUSE OF SEPARATION
WAS AN EXPLOSION. ALSO, THERE IS EVIDENCE OF FIRE INSIDE BOTH
OF COUPLING INDICATING FIRE FOLLOWED SEPARATION. WING VENTING
AND STATIC GROUNDING PROCEDURES OF BOTH AIRCRAFT AND REFUELLING
TANK HAD BEEN EFFECTED. CAUSE OF IGNITION HAS NOT DEFINITELY BEEN
DETERMINED AT THIS TIME.

WVA

WVA

W. TOR, MEDICAL, SECURITY ARE AVAILABLE
BASE MEDICAL PERSONNEL ARE DECONTAMINATING AND TESTING PERSONNEL
AND CLOTHING AT PRESENT.

W. TOR, GRIFFISS, JANAC, ALBUQUERQUE, NEW MEXICO, WILL ARRIVE AT
APPROX 1900 HRS, THIS DATE, TO DETERMINE DISPOSITION.

YES. NEWS RELEASE MADE BY WPAFB INFORMATION OFFICER.

WVA

CAPTAIN RICHARD P. ARNOLD.

R3

10-5-4359

REF ID: A67277

REPORT IAW PARA 84 AND ATTACHMENT 4, AFR 127-4

SUPPLEMENTAL REPORT (EWE 05334, 14 OCT 55) FOLLOWS: QUOTE:

[REDACTED]

ONE OF THESE CANS WERE RUPTURED. ONE OF THE RESERVOIRS TAKEN FROM
A RUPTURED CAN WAS ALSO RUPTURED. THE OTHER RESERVOIR WAS NOT
RUPTURED AND IS BELIEVED TO CONTAIN THE GAS. THESE TWO RESERVOIRS
WERE BEEN WRAPPED IN PLASTIC AND PUT IN A CONTAINER FURNISHED BY
HOLDS LAB. THE CONTAINERS HAVE BEEN WRAPPED IN PLASTIC AND TAPED.
121 39 OTHER CANS PLUS ONE EMPTY CAN NOT OFF-LOADED FROM AIRCRAFT.
ONE OF THE 39 CANS IN THE SAC CUBES CONTAINS A SECRET RESTRICTED
DATA ITEM BELIEVED TO BE [REDACTED] OTHER [REDACTED] CANS ARE STILL
UNIDENTIFIED AS TO CONTENTS. THERE ARE A FEW, ACCURATE COUNT NOT
YET AVAILABLE, LOOSE ITEMS BELIEVED TO BE GENERATORS OR ZIPPERS.

UNQUOTE: GP-1.

P-4

[REDACTED]

10-5-4359

[REDACTED]

10-5-4359

PINNACLE BROKEN ARROW

September 1980

5 2 C N W T/ANDERSEN AFB JOPREP JIFFY DIGIT/EN/FF 1986
BROKEN ARROW/009/FINAL
REFERENCE OPREP-3 008 JJ NBR 0158
THERE WAS NO DAMAGE TO THE ACFT OR WEAPONS. THE FUEL
CAUSED BY AN OVER-SERVICED RIGHT DROP TANK. WHEN FUEL
TRANSFERRED FROM THE RIGHT DROP TANK
THE FUEL LEAK WAS STOPPED.
THIS IS A FINAL REPORT.
DECL 11 FEB 1986
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NNNN

UNCLASSIFIED

ROUTINE

TA 00235

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19

RTTCZYUW RUWKADA1537 2151349-CCCC--RUWTFBF.

ZNY CCCCC

R 031451Z AUG 78

FM DIR SP WPNs KELLY AFB TX/SWPTB

TO FC DNA KIRTLAND AFB NM/FCPSM

BT

ACT 1954

SUBJECT: ONE TIME REPORT DULL SWORD 288HW 78-78. PROBLEM: WHILE PERFORMING A LLC EXCHANGE ON W55-4 S/N 253654, TEAM MEMBERS FOUND THAT THE BRACKET COULD NOT BE UNSCREWED FROM THE RESERVOIR. DESPITE REPEATED ATTEMPTS TO REMOVE THE BRACKET, IT WOULD NOT TURN IN EITHER DIRECTION. THE OPERATION WAS STOPPED AND MUNITIONS CONTROL WAS NOTIFIED. UPON INVESTIGATION, THE BRACKET WAS FOUND TO BE PROPERLY ALIGNED WITH NO SIGN OF CROSS-THREADING. IT IS SUSPECTED THAT THE BRACKET THREADS SEIZED TO THE BOTTLE THREADS. REPLACEMENT RESERVOIR AND BRACKET HAVE BEEN INSTALLED. REQUEST DISPOSITION INSTRUCTIONS BE PROVIDED FOR DEFECTIVE RESERVOIR AND BRACKET. ALSO REQUEST AN EVALUATION BE CONDUCTED TO DETERMINE CAUSE OF PROBLEM AND APPROPRIATE CORRECTIVE ACTION TAKEN.

BT

#1537

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	FCAP
	FCPP
	FCT
	EGDA

ROUTINE

CONFIDENTIAL

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FLASH

PP 00301

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ENK UUUUU

Z 231409Z JAN 73

FM HQ DNA WASH DC

INFO JINACC FLD COME KIRTLAND AFB NM

Z 221044Z JAN 73

FM JCS

INFO CSA WASH DC

CNO WASH DC

DNA WASH DC

ANMCC FORT RITCHIE MD

Z 221637Z JAN 73

23 JAN 73 14 31Z

FLASH

51A
(12)

TO SAC CP FORCE STAT

2AF CP FORCE STAT

SAC CP OPS/LOG

2AF CP OPS/LOG

CSAF

JCS (NMCC)

AFEOC/FT RITCHIE

T

JOPREP JIFFY/PINNACLE509BW/OPREP-3

1211 01 0000

NONE, UNK, UNK.
CRUSHER HI VOLT WIRE, NONE, NONE, SAFETY
CRUSHER RUM BY AND SAFETY OFFICER, UNK AT THIS TIME. A FOLLOW
UP REPORT WILL FOLLOW

T

UUUU

END

ACTION	INFO
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FLASH

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7NY SSSSS

7 182142Z AUG 81

FM NMCC WASHINGTON DC

TO FCONA KIRTLAND AFB NM

7 0 181950Z AUG 81

FM

TO RUEKJCS/ NMCC WASHINGTON DC//

INFO RUEAHQA/ CSAF WASHINGTON DC//AFDC//

RUSNAAA/ USCTNCFUR VAHTNGEN GE//ECJ3-OC//

PUETRMA/ USAFF COMMAND CENTER RAMSTETN AR GE//

PHERRAR/ HQ USAFF RAMSTETN AR GE//DOC//

RUEKAAA/ AFEOC FT RICHIE MD//

ACTION	
FCPE	ED
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	FT
	DOE

RUMTERA/ DIR OF NUCLEAR SURVEY KIRTLAND AFB NM//SNA//

RUVAFLC/ HQ AFLC WRIGHT PATERSON AFB OH//IGV/LOW//

RUVKAAA/OTR SPECIAL WEAPONS KELLY AFB TX//SMPT//

PUMTERA/ AFWL KTRKLAND AFB NM//NTSS//

RUMTERA/ HQ AFOSP KTRKLAND AFB NM//

BT

DEF 3 JOP RE JIFFY/TN/FRV DO /OPREP-3 REWT SPEAR/004

DEF 3

A. 191930Z AUG 81

B.

C. TWO (2) EACH TYPE R61

D. NONE

E. INSPECTION (A/TO.S. OPERATION)

F. UNKNOWN

G. DURING THE INSPECTION, THE CDS INDICATOR PISTON WAS FOUND TO BE EXTENDED. THE T-HANDLE WAS IN PLACE.

H. NONE (N/A)

I. 435 23-09.

J. WEAPON REJECTED IAW T.O. 11N-881-1 PARA 4-2.30. WEAPON IS BEING HELD PENDING INSTRUCTIONS FROM DEPT OF ENERGY (D.O.E.)

K. NONE

L. PREVIOUS INSPECTION OF 100 PERCENT OF MR ASSETS ON 23 JULY 81 REVEALED NO DISCREPANCY IN THESE TWO WEAPONS.

M. PENDING INSTRUCTIONS FROM D.O.E.

RT

BTAP

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THIS DOCUMENT CONSISTS OF 1 PAGE(S)
NO. 1 OF 1 PAGES, CLASSIFIED

FLASH

PRIORITY

STA 00259

734 1415103

CONFIDENTIAL

PTT820SM RUFLEPA0090 7331201-SSSS--RUMFBA
ZNY SSSSS ZDS RUFLEPA DUE TO NUMEROUS SVCS
P 211200Z AUG 81

TO RIIVKADA/DIR SP MPNS KELLY AFB TX//SWPTR//
RHFRAAB/HQ USAF HRODS RAMSTEIN AB GE//LOWN//
INFO RIIVTERA/DIP NUCLEAR SURETY KIRTLAND AFB NM//SNA
RUFQHCA//HQ USAF WASH DC//TOI/LEYM//
RHFRAAB/HQ USAF RAMSTEIN AB GE//LOWN//IGFU//LOWN//
DUVEFLC/HQ AFLE USAF OH//TOY/LOW//
RUMTERA/AFWL KIRTLAND AFB NM//NTSC//
RHFRAAB/THAS CRS SC RAMSTEIN AB GE//OCON//
RUMJARA/HQ JETSC NORTON AFB CA//BO/CCF//

RUMTERA/AFWL KIRTLAND AFB NM//OCON//
RUMTERA/AFWL KIRTLAND AFB NM//LOWN//
RUMTERA/AFWL KIRTLAND AFB NM//OCON//

SUBJ: [REDACTED] DATA ATOMIC ENERGY ACT 1946
OFF: DIR SP MPNS KELLY AFB TX, SWPTR, (S-PRD) 141510Z AUG 81.
PAGE 2 RUFLEPA0090 S F C O S T P D D

1. (S-PRD) THE INFORMATION REQUESTED IN THE REFERENCED MESSAGE IS PROVIDED BELOW.
- A. (S-PRD) ALL RS1-1 AND RS1-2 ARE AT THIS LOCATION HAVE BEEN IN TEST POSITION EXPECT SN 153724, SN 451593 AND SN 405101. CONS RECEIVED ON 18 AUG 81 VERIFIED IN TEST POSITION.
- B. (S-PRD) TEST EQUIPMENT HAD NOT BEEN CONNECTED TO WEAPONS WHEN VISUAL INSPECTION REVEALED EXTENDED PISTONS.
- C. (S-PRD) THE ONLY PHYSICAL CONTACT WITH THE WEAPONS MENTIONED ABOVE CAME DURING A LOCAL EOM EXERCISE CONDUCTED ON 11 AUG. THIS CONSISTED OF PLACING AN INERT MM49 SHAPE CHARGE TON ON THE PAD PROVIDED. NO MOVEMENT OR HANDLING OF THE WEAPONS WAS DURING THIS PERIOD OF TIME.
- D. (S-PRD) TO THE BEST OF OUR KNOWLEDGE THERE HAVE BEEN NO EXPOSURES, NO ELECTRICAL STORMS WITHIN 10 MILES IN THE PAST 60 DAYS.

SOME CONSTRUCTION HAS BEEN TAKEN PLACE IN THE USA. HOWEVER NO HEAVY EQUIPMENT HAS BEEN OPERATED WITHIN 150 FEET OF STRUCTURES. THERE HAVE BEEN NO ENVIRONMENTAL ABNORMALITIES.

BT

80404

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THIS DOCUMENT CONSISTS OF
PAGE 2 OF 2

PRIORITY

CORRECTED COPY PAGE

CS

IMMEDIATE

DTA 20077

170427

Foot

0457YUW RUEPDRAD990 2041531-55 55 --RUWTRNA.

7NY 00000

0 2315307 JUL 81

FM DIA WASHINGTON DC//LACM//

INFO UNACC FLD COMMAND KIRTLAND AFB NM

0 2315437 JUL 81

FM JCS WASHINGTON DC

INFO RUEADWD/AFSA WASHINGTON DC

RUEHARA/ONO WASHINGTON DC

RUEKAAA/INMCC

RUEATTA/OTA WASHINGTON DC

RUEORRA/ONA WASHINGTON DC

RUEHC /OCS STATE WASHINGTON DC

RUEAMCC/ONO WASHINGTON DC

RUEHCC /OTAE DOSEN WASHINGTON DC

RUEADW/HTTHOUSE WASHINGTON DC

0 2315007 JUL 81

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

RUEHARA/OTA OF NUCLEAR SECURITY KIRTLAND AFB NM//SUA//

RUEADW/HTTHOUSE WASHINGTON DC//AFSC//

RUEHARA/OTA SPECIAL WEAPONS KELLY AFB NM//NTSS//

RUEHARA/OTA ACCO KIRTLAND AFB NM//

RUEHARA/OTA ATSC KIRTLAND AFB NM//SN/CC/DOC//

[REDACTED]

BT

5 5 5 5 5

PAGE 02 RUEPDRAD990 5 5 5 5 5

[REDACTED] JIFF Y/TH /FEP VO/DRREP-3 REFLINE REPT SPEARHEAD

REF

1. 2313247 JULY 81.

B. MSA.

C. (11) R-61-1.

D. NONE

E. TNSP F. N/A.

F. ONE UNIT HAS COMMAND CTS A-LING

THIS DOCUMENT

IMMEDIATE

PAGE

IMMEDIATE

MECHANISM ACTIVATED.

H. NONE T. N/A.

J. N/A.

K. N/A.

L. ALL OTHERS UNITS INSPECTED OKAY.

M. N/A.

CLASSIFIED BY MULTIPLE SOURCES

DECLASSIFY 31 DEC 2001

BT

00940

NNNN

[REDACTED]

703 1726236

7 NY 55555

FM DNA WASHINGTON DC//EPOB//

7 7215477 JUL 81

INFO DNA WASHINGTON DC

7 2212427 JIN #1

HQ USAFF DPMSTE TN AR GE//TGF/LGW/DEK/PA/CS//

CSAF WASHINGTON DC//AFCC//

USAF FORWARD OPS DIV FT RITCHIE MD

DTR OF NUCLEAR SAFETY KTRTL AND AFR NM//SNA//

NP AFR OH//TCY/L OH//

AFWL KTRTLAND AFR NM//NTSS//

NO AFLO NSO KTR FLAND AFR NM //LOWB //

ד ת

PAGE 2

7. AT APPROX 0900Z 22 JULY 1931, THE HQ USAFF PERMISSIVE ACTION LTNK (PAL) TEAM WAS PERFORMING A RECODING OPERATION ON A PG1-3. SW TIRS OR TN PREPARATION FOR COMUS SHIPMENT. THIS WAS THE FIRST WEAPON TO BE RECODED. THE TEAM REJECTED TWO BATTERIES WHEN THEY FAILED STEP NINE OF PRELIMINARY PROCEDURES OF TO 11N-1536-2CL-1. THE BATTERIES INDICATED THEY WERE FULLY CHARGED AS OF 2 JULY 31. A THIRD BATTERY CHARGED AS OF 7 JULY, PASSED THE STEP. THE TEAM COMMENCED THE 'ALL CODE RECODE OPERATION.

2. THE WEAPON WAS VERIFIED AS SAFE VERBALLY TO THE PAL TEAM. NO UNUSUAL CIRCUMSTANCES WERE NOTICED. THE WEAPON WAS HOOKED UP TO THE TESTER. APPROXIMATELY TWO SECONDS AFTER THE RESET START SWITCH WAS OPERATED TO START, THE LOCKED AND FAULT LAMPS LIT (STEP 10K). THE OPERATION TERMINATED; FUNCTION SWITCH WAS TURNED OFF. THE MAINTENANCE CREW WAS VERIFYING THE WEAPON WAS PROPERLY

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 * * * * *
 * * * * *

No.

DA GF

~~CONFIDENTIAL~~

~~[REDACTED]~~

~~[REDACTED] signed [REDACTED]~~

~~[REDACTED] criminal sanctions~~

~~[REDACTED]~~

~~[REDACTED]~~

FOOD. THEREFORE, DETERMINED THAT THE WEAPON WAS DISCARDED AND THAT IT WAS SAFE FOR INVESTIGATION AND/OR SHIPMENT. THE T336 TESTER WAS TAKEN TO THE SHOP AND PASSED THE FUNCTIONAL CHECK. THE THREE BATTERIES INVOLVED WERE ALL CHECKED GOOD ON THE T336. THE T336 VOLTAGE TEST INDICATED 31-32 VOLTS WHEN PLACED ON LOAD TEST.

ET

N N N N

* * * * *
 *

PRIORITY

PTA 00017

231 1002170

SA
AFGL

LOW
FCJAC

PTACTVUM RHFRAAB1609 2311043-3335--RUMTPBA RUMTERF,
TNY CCCCC

P R 2312512 AUG 81

FM USAF EURCPS RANSTEIN AR GE//LOWH//

TO RUMKADA/DTR SP WPNS KELLY AFB TX//CUMPTB//

INFO RUMTERA/DTR NUCLEAR SURFTY KIRTLAND AFB NM//CNA//

RUEAHQA/MQ USAF WASH DC//IGI/LEYH//

RUIVAFLC/MQ AFLC WPAFB OH//TRV/LOW//

RUMTERA/AFUL KIRTLAND AFB NM//INTSS/L

RUMJABA/MQ AFJSC HORTON AFB CA//PC/CCE//

RUMKADA/USCYNCPUR VAININGEN GE//ECJ3 CCO/ECJ4 7//

RUMTERA/AFLC WPAFB KIRTLAND AFB NM//LOW//

RUMTERF/EC CNA KIRTLAND AFB NM//ECRSH/L

BT

P R 2312512 AUG 81, ATOMIC ENERGY ACT 1954

CHIRJ:

REF: YOUR R 241646Z AUG 81

(1954) REF: PARA 32 QTY OF B61 MOD 1/4 THAT REMAIN IN ADS "ON"

STATE IS ZERO. REPEAT ZERO. B61 MOD 3/4 WPNS.

PAGE 02 RHFRAAB1609 ATOMIC ENERGY ACT 1954

BT

01542

NNNN

PRIORITY

No. 2

PAGE 1

ROUTINE

* ~~SECRET~~ *

~~FORMERLY RESTRICTED~~
~~"Under no circumstances subject to~~
~~Admission to the public and~~
~~Handwritten notes in foreign~~
~~dissemination of atomic~~
~~energy information~~

THIS NATURE WILL BE EVALUATED AS POTENTIAL VIOLATIONS OF THE
NUCLEAR WEAPONS SYSTEMS SAFETY RULES AND POSSIBLE PAL CIPHER SYSTEM
COMPROMISES.

5. ~~FOR~~ FOR FCDNA: THIS HQ FULLY SUPPORTS USAF PROPOSED CORRECTIVE
ACTIONS AS OUTLINED IN REF E. REQUEST EVERY CONSIDERATION BE
GIVEN TO PRIORITY RESPONSE TO THIS PROBLEM.

6. ~~USEUCOM~~ USEUCOM POINT OF CONTACT IS LT COL WOODS, ECJ3-CCD(PMCT),
AUTOVON 497-0123/MILITARY DIAL 2729-6, EXT 6228/6149 OR SECURE
496-0123, EXT 6441.

BT

#2644

NNNN

ROUTINE

* ~~SECRET~~ *

~~7300145~~

PRIORITY

PTA 00112

191572:30

OTTCZYUW DUVKADAF151 1701602-CCCC--RUWTFB

ZNY 00112

191572 JUN 70

FM DTP SP WPNS KELLY AFB TX//SWFTR//

TO FODNA KIRTLAND AFB NM//FCPSM//

BT

FORMERLY RESTRICTED DATA
Handling Instructions for Foreign
Atomic Energy Act 1954.

191557Z

ACT 1954

SUBJECT: ONE-TIME DULL SWGRD 70954VDS79-5 (U)

REFERENCE:

BY REFERENCED MESSAGE AS FOLLOWS:

1. (U) DURING INSTALLATION OF RESERVOIR ON WSP-D UR, SER NO. 161498 THE RETAINING NUT P/N 229109-00 WAS OBSERVED MOVING CLOCKWISE WITH THE RESERVOIR DURING THE FINAL TOPPING PROCEDURE. THE TOPPING WAS STOPPED BEFORE A FINAL VALUE OF 210 INCH POUNDS WAS REACHED. THE RETAINING NUT SHOULD HAVE NOT BEEN MOVING AT THIS TIME AND WAS EXPECTED TO DETERMINE IF IT WAS TOUCHING EITHER THE RESERVOIR BASE OR WARHEAD COVER PLATE. THE RETAINING NUT WAS FOUND TO BE IN A POSITION MID-WAY BETWEEN THE RESERVOIR BASE AND WARHEAD COVER PLATE, AS REQUIRED IN PARA A3-3.5.4.65. AN ATTEMPT WAS MADE TO REMOVE THE 402597 BY TURNING THE RESERVOIR COUNTERCLOCKWISE UNTIL THE ROUND SLOTTED NUT (P/N 229110-00) WAS OBSERVED TURNING WITH THE RESERVOIR. INITIALLY THE RESERVOIR COULD BE TURNED COUNTERCLOCKWISE EASILY AND THEN BEGAN TURNING HARD. THE REMOVAL WAS STOPPED. PRESENTLY THE RESERVOIR IS PARTIALLY INSTALLED. THE RESERVOIR CAN BE LIFTED UP (LEAVING APPROXIMATELY A ONE EIGHT INCH GAP BETWEEN THE SLOTTED NUT (P/N 229110-00) AND THE WASHER, FLAT (P/N 227018-00). THE WARHEAD REMAINS IN AN UNSEALED CONDITION.
2. (U) PROBABLE CAUSE: THE SLOTTED NUT (P/N 229110-00) WAS NOT BELOW THE TOP OF THE EXPLOSIVE ACTUATED VALVE PRIOR TO INSTALLATION. NO TECH DATA INSPECTION EXISTS TO INSURE THAT THE SLOTTED NUT IS BELOW THE TOP OF THE VALVE TO PREVENT CONTACT BETWEEN RESERVOIR BASE AND SLOTTED NUT. THE SLOTTED NUT APPEARS TO BE ACTING AS A LOCK NUT AGAINST THE RESERVOIR BASE.
3. (U) ACTION TAKEN: AS DISCUSSED WITH CAPT SHEPPARD/FCPSM AND SA-ALC/MR MR. FLOYD, A WAIVER WAS GIVEN TO REMOVE AND REINSTALL RESERVOIR. RESULTS OF THIS EFFORT WILL BE COORDINATED WITH YOUR ACTIVITY.
4. MTFSAWY 70-31718 HAS BEEN ASSIGNED TO THIS REPORT.
5. (U) REQUEST WE BE ADVISED OF CORRECTIVE ACTION TO PRECLUDE REOCCURRENCE OF PROBLEM.

BT

#5151

NNNN

DNA
(623)

ACTION	INFO
FCPSM	FCJ
	FCPA
	FCPE
	FCI
	DOE

PRIORITY

1184

PRIORITY

PTA 00213

085 2149:10

Adm
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diss
Ener

PRTSYUM RUVMAR 4013 0852145-SS9S+RUMTFBF

ZNY SSSSS

P 262130Z MAR 79

FM DIR NAT HQT MCCLELLAN AFB GA/HMSR

TO PCONA KIRTLAND AFB NM/PCPS

BT

~~SECRET~~ ~~FORMERLY RESTRICTED DATA~~ ATOMIC ENERGY ACT OF 1954

SUBJ: F-111/B43 COMPATIBILITY (U)

REF: MY HMSR 192300Z MAR 79

THIS MESSAGE IS RE-TRANSMITTED FOR YOUR INFORMATION. QUOTE 1.

REPORTED DULL SWORD FOR F-111E AIRCRAFT CONCERNED WITH ATTEMPTED RELEASE OF TWO B-43JTA WEAPONS. THE FIRST B43JTA WAS SUCCESSFULLY RELEASED FROM STATION 3 HOWEVER, A NUCLEAR CAUTION LAMP DISPLAY AFTER RELEASE PRECLUDED RELEASE OF B43JTA FROM STATION 6.

2. ADVISED THAT PROBLEM WAS NOT DETECTED DURING PREVIOUS INVESTIGATION OF THE F-111E/D/F B43 COMPATIBILITY PROBLEM AS THE INDICATION WAS MASKED BY THE PREVIOUS SYMPTOMS (CYCLING OF B43 READY/SAFE INDICATIONS).

3. ADVISED THAT THE TAF REQUIREMENT FOR CARRIAGE OF B43 WEAPONS COULD BE REDUCED TO TWO FOR F-111E/D/F AIRCRAFT.

4. AS A RESULT OF THE ABOVE, CARRIAGE OF B43 WEAPONS ON PAGE 2 RUVMAR 4013 ~~SECRET~~

F-111E/D/F AIRCRAFT ARE AGAIN LIMITED TO ONE WEAPON ONLY. REQUEST ALL ACTIVITIES BE NOTIFIED OF THIS RESTRICTION. SM-ALC/HMSR WILL CHANGE APPLICABLE FLIGHT MANUALS (-1) BY OPERATIONAL SUPPLEMENT.

5. INVESTIGATION OF THE MOST RECENT DULL SWORD REPORT INDICATES THAT A DEFICIENCY STILL EXISTS WITH THE B43 PULL OUT CABLE. COST DATA TO CORRECT THIS DEFICIENCY IS AS FOLLOWS: (A) DEVELOP NEW PULL OUT CABLE; COST \$5K/CABLE WITH 18 MONTH DELIVERY FOLLOWING AUTHORIZATION. (B) MODIFY EXISTING CABLE; COST \$500/CABLE WITH 18 MONTH DELIVERY FOLLOWING AUTHORIZATION. (C) MODIFY F-111E/D/F AIRCRAFT; COST \$750,000 WITH 20 MONTH KIT DELIVERY FROM AUTHORIZATION.

6. BASED UPON YOUR OPERATIONAL REQUIREMENTS AND THE LIMITED LONGEVITY OF THE B43 WEAPON FOR TAF, REQUEST THE USER'S REACTION TO THE ABOVE COST AND SCHEDULE INFORMATION AND DETERMINE IF A MODIFICATION IS WARRANTED. IF SO, WHAT PRIORITY SHOULD BE ASSIGNED TO THE TASK. A CAT I PRECEDENCE IS CURRENTLY ASSIGNED TO THE PROBLEM. THEREFORE, YOUR REPLY IS REQUESTED BY 6 APR 79. UNQUOTE.

GDS 31 DEC 87.

BT

#4013

NNNN

~~SECRET~~
~~FORMERLY RESTRICTED DATA~~

PRIORITY

ROUTINE

PTA 00499

074 2044:34

FWL
SN
LOWA

RTTSZYUW RUSNAA12644 0742043-SSSS--RUWTFBA.

ZNY SSSSS

R 150847Z MAR 79

FM USCINCEUR VAHINGEN GE //ECJ3-CCD//

TO RHFRAB/USAFE EUROPS RAMSTEIN AB GE //LGWM//

RUWTFBA/FCDNA KIRTLAND AFB NM //FCPSM//

INFO RUVKARA/DSW KELLY AFB TX //SWPTB//

RUWTFBA/AFWL KIRTLAND AFB NM //NSG//

RUWTFBA/DNS KIRTLAND AFB NM //SNA//

RUWTFBA/NSO KIRTLAND AFB NM //SNA//

RUWTFBA/NSO KIRTLAND AFB //LOWQ//

BT

SECRET - FORMERLY RESTRICTED

ECJ3-CCD

05381

SUBJECT: [REDACTED]

FCW	FCD
FCPP	FCPE
FCPE	FCPE
FCPE	FCPE
FCPE	FCPE
FCPE	FCPE

FORMERLY RESTRICTED DATA
Unauthorized disclosure subject to
disciplinary and criminal sanctions
[REDACTED]

1. USAF LTR-SAFETY WIRING AND SEALING OF DCU'S, 26 FEB 79 (SERD)
1. (SERD) REFS A AND B FORWARDED DETAILS ON FAILURE OF THE IT1535
ZERO LAMP TO ILLUMINATE DURING A STATUS CHECK OF B61, MOD 2 (SER
PAGE 2 RUSNAA12644 SECRET - FORMERLY RESTRICTED
NO 583830) ON 14 FEB 79. REF C REQUESTED FURTHER DETAILS.

2. (SERD) CIRCUMSTANCES OF THIS ZERO LAMP INCIDENT AS PROVIDED
BY REFS B AND D INDICATE CAUSE TO BE HUMAN ERROR WITH NO INTENT
TO CAUSE ENABLEMENT OF THE WEAPON. BASED ON REPORTED FACTS, THIS
HQ CONCURS WITH [REDACTED] EVALUATION THAT NO COMPROMISE [REDACTED]

[REDACTED] HAS OCCURRED. NO FURTHER
INVESTIGATIVE ACTIONS NEED BE PURSUED. RESET OF THE LIMITED TRY
FEATURE OF B61-2 (SN 583830) SHOULD BE ACCOMPLISHED ASAP IN CON-
JUNCTION WITH SCHEDULED PAL OPERATIONS.

3. (SERD) THE SENSITIVITY OF OPERATIONAL PAL COMBINATIONS CANNOT
BE OVEREMPHASIZED. THE COMPROMISE OF THESE SPLIT KNOWLEDGE COMBIN-
ATIONS AS A RESULT OF UNAUTHORIZED ACTIVATION OF COCKPIT ENABLE
SWITCHES COULD HAVE SERIOUS SECURITY IMPLICATIONS THROUGHOUT
USEUCOM. IAW THE VARIOUS NUCLEAR WEAPONS SYSTEMS SAFETY RULES,
THE COCKPIT ENABLE SWITCHES WILL BE IN THE OFF-SAFE POSITION
EXCEPT FOR MONITORING THE SAFE CONDITION OF THE WEAPON OR FOR
AUTHORIZED PAL OPERATIONS.

4. (SERD) REQUEST THE CIRCUMSTANCES OF THIS INCIDENT AND THE SENSI-
TIVITY OF PAL COMBINATIONS RECEIVE THE WIDEST DISSEMINATION AMONG
USAF AIRCREWS, LOAD CREWS AND OTHER PERSONNEL AFFORDED

PAGE 3 RUSNAA12644 SECRET - FORMERLY RESTRICTED
ACCESS TO NUCLEAR WEAPON LOADED AIRCRAFT. FUTURE INCIDENTS OF

This document contains [REDACTED] Page [REDACTED]
[REDACTED] [REDACTED] [REDACTED]

ROUTINE

DNA
(b)(3)

FC03790145

ROUTINE

01 03971

ATTTCZYUW RUVKAGA1990 0711300-CCCC--RUWMHAF.*****

ENDY CCCCC

121235Z MAR 75

FM DIR SP WPLS KELLY AFB TEX/SVP

TO RUWMHAF/FC DNA KIRTLAND AFB NM/FCSM-0

RUWJABA/SA SO NORTON AFB CA/NNR

INFO RUWJABA/OPERATING LOCATION SAN ANTONIO ALC NORTON

AFB CALIF/SWOSA

BT

ATOMIC

ENERGY ACT 1954

ALSO: COMBINED DULL SWORE

REF SAMPY 75-0023R. REF 3096AVDS 072038Z MAR 75 (CFRD)

TEL. 1. REPORT CONCERNS Y62 MOD 0 WAR RESERVE WEAPON

SERIAL NUMBER 200807. DURING RECEIPT INSPECTION ANTENNA

LOCATED AT 270 DEGREE LOCATION. WAS FOUND TO HAVE A 7/16 INCH

LONG BY 1/4 INCH WIDE BY 0.040 INCH DEEP VOID. APPARENT

CAUSE IS MISFEEDING OF MANUFACTURING DEFECT. DEFECT EXCEEDS

ALLOWABLE TOLERANCE IN TO 11N-RV12-2. [REDACTED] WAS

REQUESTED TO REPLACE ANTENNA AND INSERT ASSY IAW PROCEDURES

OF TO 11N-462-3. DEFECTIVE ITEM WILL BE RETURNED TO THIS

OFFICE FOR ENGINEERING INVESTIGATION. RESULTS WILL BE FOR-

WARDED WHEN AVAILABLE.

BT

DESL

04017

FCDC
FCSM
TA
FC
AEC

DNA
(b)(3)

~~FCDC~~
~~FCSM~~
~~TA~~
~~FC~~
~~AEC~~
~~trative~~
~~strict~~
~~section~~

FORMERLY RESTRICTED DATA

Section 144B, Atomic Energy Act, 1954

2284

RTTEZYUW RUVKADAT735 UNCLAS E F T O
ZNY EEEEE
R 170000Z NOV 77
FM DIR SP WPNG KELLY AFB TEX/UNCLAS E F T O
TO RUMTFB/FC DND KIRTLAND AFB NM/FCOM
INFO, RUMTFB/AFLO NSO KIRTLAND AFB NM/LOWS
BT
UNCLAS E F T O

SUBJ: C/N NS 11-23-77

REPORT: NMU-230/M TRAILER PISTON ROD FAILURE WHILE
RAISING AGM-59/A LAUNCHER INSIDE INF. THE SIX MISSILE LOADS
LAUNCHER WAS BEING INSTALLED IN LAUNCHER LOADING FRAME, T.O.
1111-2-3-2CL-1, STEP 12. LAUNCHER WAS ELEVATED USING NMU-123/M
ALL STEPS UP TO STEP 12, T.O. 1111-2-3-2CL-1 WERE COMPLETED NOR-
MALLY. AS THE LAUNCHER WAS BEING RAISED (9 AND 1/2 INCHES FROM
FULL UP POSITION) TO INSTALL RETAINING PINS, THE PISTON ROD BROKE
SENDING THE FAR SIDE OF THE LAUNCHER ADAPTER TO THE FLOOR CAUSING
THE LAUNCHER AND ADAPTER TO BE POSITIONED WITHIN THE TRAILER AT A
45 DEGREE ANGLE. TRAILER MECHANICAL LOCK RATCHET PLATE INDICATED
9 1/2 INCHES FROM FULL UP POSITION AND THE NEAR SIDE INDICATOR
READS 22 1/2 INCHES FROM THE FLOOR. EXTENT OF DAMAGE UNKNOWN.
EOD TEAM IN PLACE AND ATTENDING. PISTON ROD FAILED IN TENSION.
PAGE 2 RUVKADAT735 UNCLAS E F T O
ADJACENT TO NMU, P/N THERA. SERIAL NUMBERS, VERIFICATION OF
NUMBER OF STORES INVOLVED WILL BE FORWARDED WHEN KNOWN.
BT

#0755
NNNN

DNA
(6)(3)

ACTION	INFO
FCPSY	FCO

ROUTINE

file in Suacc 64

ROUTINE

PTA 00158

325 1903:13

DISTRIBUTION

FCIAC

211121

LOWA

RTTCZYUW RUVKADA3016 3251732-CCCC--RUWTFBF RUWTFBA.

ZNY CCCCC

R 211720Z NOV 77

FM DIR SP WPNS KELLY AFB TX/SWPTB

TO RUWTFBF/FC DNA KIRTLAND AFB NM/FCPSM

INFO RUWTFBA/AFLC NSO KIRTLAND AFB NM/LOWA

BT

SUBJECT: C/N NS 11-28-77

REF SWPTB 172000Z NOV 77

REPORTS W69 SNS 86518, 87987, 95318, 668517, 895653 AND 94410 WERE INSTALLED IN AGM-69A AT TIME OF EVENT. THE LAUNCHER WAS RAISED APPROX 5 FT ABOVE THE FLOOR. FAR SIDE OF LAUNCHER FELL APPROX 62 INCHES IN COUNTER CLOCKWISE ARC. ALL MISSILES SUSTAINED SOME DAMAGE TO FIN ASSEMBLIES. ONE MISSILE SUSTAINED SLIGHT DAMAGE TO MOTOR CASE. SURFACE OF MOTOR CASE IS MISSING THREE TO FOUR INCH PATCH OF SILICONE BETWEEN FORWARD EDGE OF 60 AND 300 DEGREE FINS. SURFACE OF MOTOR CASE AT THIS SPOT SHOWS SLIGHT SCRAPING BUT NO VISIBLE DENT. ONE MISSILE HAS MOTOR CASE DAMAGE IN TWO PLACES. NEAR MOTOR A/D SAFEING ACCESS HOLE AND FORWARD TO THE RADAR ANTENNA. ABOUT 4 INCHES LONG AND 3 INCHES WIDE. ALSO, THE RADAR ANTENNA PAGE 2 RUVKADA3016 SUSTAINED SUBSTANTIAL DAMAGE AND THE MOTOR SHIRT EXTENSION IS VISIBLE DENTED. THE OTHER DAMAGE IS TOWARD REAR OF MOTOR ON SAME LINE AS RADAR ANTENNA. THIS DAMAGE CONSISTS OF TWO BREAKS IN SILICONE AND AN OBVIOUS DENT IN CASE. MISSILES HAVE BEEN UNLOADED FROM LAUNCHER FOR FURTHER EVALUATION AND DISPOSITION. REQUEST GUIDANCE ON WHAT ACTIONS/INSPECTIONS ARE REQUIRED AND IF WARHEADS REQUIRE DEMATING FROM PAYLOAD SECTIONS FOR INSPECTION.

BT

#3016

NNNN

DNA
(6)(3)

ACTION	INFO
FCPSM	FCD
	FCP

ROUTINE

FORMERLY
RES DATA

52W/12

6573

IMMEDIATE

PTA 00166

240 053174

OTR 0000 RUEKJCS6493 2400530-SSSS--RUMTFW.
ZNY SSSSS

O 140530Z SEP 80

FM JCS WASHINGTON DC

INFO RUMTFW/FCMA KIRKLAND AFB NM

RUEBOMA/DMA WASHINGTON DC

RUCFAAA/FPA WASHINGTON DC

RUEAUSA/DCPA WASHINGTON DC

Z 160326Z SEP 80

FM 319BMR321SMW CP GRAND FORKS SD//JJ007W//

TO ZEN/SAC CP FORCE STATUS

ZEN/SAC CP//OPS/LOG/WX//

7EN/15AF CP//OPS/LOG/WX//

ZEN/15AF CP FORCE STATUS

7EN/58BMR91SMW CP MINOT ND

RUEKJCS/JCS(NMCC) WASH DC

RUEAHOA/CSAF WASH DC

RUEKAAA/AFECC FT RITCHIE MD

RT

~~SECRET~~ GRAND FORKS AFB JOPREP JIFFY0074/IN/FF @ 10 /

OPREP-3 PINNACLE BROKEN AREA 15R

MINOT PASS TO 57AD/CC

PAGE 002 RUEKJCS6493 S E C R E T

AS OF TIME: 16/0302Z

DURING A GRAND FORKS AFB AIRCRAFT EXERCISE, B-52H ASN 60059 CAUGHT FIRE. THE FIRE IS CONTAINED IN THE AREA OF THE NUMBER FIVE ENGINE. ALL OTHER ALERT BOMBERS AND TANKERS ARE CLEAR OF THE AREA AND OUT OF DANGER. CREW FROM THE DAMAGED AIRCRAFT IS CLEAR WITHOUT INJURIES. THERE ARE TWELVE WEAPONS ON BOARD THE AIRCRAFT. FURTHER INFORMATION WILL BE PROVIDED AS IT BECOMES AVAILABLE.

DECL: 15 SEP 86

RT

#6493

NNNN

STATION	INFO
FCIP	ECD
	FCPSM
	FCPF
	FCL
	DOE

UNCLASSIFIED

EXEMPTED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

BY AUTHORITY OF

JCS Wash, D.C.

87 005

24 FEB 1987

DECLASS: OADR

IMMEDIATE

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THIS DOCUMENT CONTAINS NO PAGE

SECRET

1301-N Acc/Sec Prog/Dev Dev Curve

PAGE 4 RUWTPFA8348 [REDACTED]

FROM DIKED AREA WILL BE IN SUCH
QUANTITIES AS TO ASSURE SAFE RELEASE.

1800-2400 CLEAN OUT INSIDE OF AIRCRAFT. PLASTIC
SHEETS WILL BE PLACED ON RAMP AND
DEBRIS CONTAINED ON PLASTIC AND BOUND
IN PLASTIC. THIS MATERIAL WILL BE
CONTINUOUSLY MONITORED UNTIL DETERMINED
SAFE OR DISPOSED OF AS HOT WASTE.

15 OCT 0001-0500 CLEAN OUT INSIDE OF AIRCRAFT.

0500-0700 REMOVE SHAPE (TRAINER-MARK 53)

0700-2400 WASH DOWN AIRCRAFT REMOVE ENGINES.

16 OCT 0001-1200 WASH DOWN AIRCRAFT-REMOVE ENGINES

1200-1800 REMOVE AIRCRAFT TO BURNING GROUNDS.

1800-2400 CONTINUE CLEAN UP-EXAMINE RAMP AND REPAIR

17 OCT 0001-0800 CONTINUE CLEAN UP-EXAMINE RAMP AND REPAIR.
0800-1200 BURN AIRCRAFT.)

UNQUOTE GP-1

BT [REDACTED]

9-4

10-5-47 00

IMMEDIATE

IMMEDIATE

9877/10

PT 00300

0175ZYUW RUEBDA0098 0231330-SSSS--RUWSSBA.

ZNY SSSSS

0 231329Z JAN 73

FM HQ DNA WASH DC

INFO UNACC FLD COMD KIRTLAND AFB NMEX

0 222323Z JAN 73

FM JCS

INFO CSA WASH DC

CNO WASH DC

DNA WASH DC

ANMCC FORT RITCHIE MD

23 JAN 73 29Z

TO SAC CP FORCE STAT

2AF CP FORCE STAT

SAC CP OPS/LOG

2AF CP OPS/LOG

CSAF

JCE (HACD)

AFEDC/FT RITCHIE

***** JIFFY 509BW/OPREP-3/RENT SPEAR 7091

***** RUEBDA0098

***** 509BW/OPREP-3/RENT SPEAR 7091

NO EFFECT ON PUBLIC RELATIONS OR POLITICAL IMPLICATIONS AND NO

EFFECT ON ALERT STATUS. THE TEAM CHIEF IN CHARGE AT THE TIME OF

INCIDENT HAS BEEN DECERTIFIED, DISQUALIFIED

AND PUT INTO A RETRAINING, RECERTIFICATION PROGRAM WITH EMPHASIS

ON ADHERANCE TO TECH DATA. FULL DETAILS ON THE INCIDENT APPEARS

IN THE BENT SPEAR 509BW 73-02 DTG 222100Z

JAN 73 GDS-EXEMPT.

BT

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PT 00075

DATSZYUW RUEBDBA0528 0821821-SSSS--RUWSSBA.

ZNY SSSSS

O 231812Z MAR 73

FM DNA WASH DC

INFO JNACC/KIRTLAND AFB NM ✓

O 231727Z MAR 73

FM JCS

INFO RUEADWD/CSA WASH DC

RUEHAAA/CNO WASH DC

RUEBDBA/DNA WASH DC

RUEADWW/WHITE HOUSE WASH DC

RUEKCIA/CIA

RUEKAAA/ANMCC FORT RITCHIE MD

O 231702Z MAR 73

FM 28BW/44MW CP ELSWRTH/JJ0039

TO ZEN/15AF CP FORCE STAT

ZEN/90SMW CP WARREN NY

ZEN/SAC CP FORCE STAT

ZEN/SAC CP OPS/LOG IL

ZEN/15AF CP OPS/LOG

RUEHDA/CSAF

RUEKJCS/JCS(NMCC)

RUEKAAA/AFECC/FT RITCHIE

BT

JOPREP/JIFFY/PINNACLE/288/OPREF-3/BENT SPEAR/001

FEW PASS TO GEN FALL

REF: LLL01 JJ0039 230353Z

RESULTS OF URINALYSIS ALL NEGATIVE.

BT

BT

0000

NCSD	
CMDR	H'
ADM OFF	F2.2
B A	F2.3
C	F3
D I	F3.3
ER	F3.4
EQ	F3.5
GO	RE X
NR ONE PAGE	

3

UNCLASSIFIED

SECRET

IMMEDIATE

*

PAGE(S)
CONFIDENTIAL ON: 5 NOV 87
CLASSIFY ON: 31 DEC 88
DECLASSIFIED BY:
A G/27 0009

DATE

IMMFI

PT 00061

OATSZYUW RUERDRA1454 2001720-SSSS--RUWMHAC.

ZNY SSSSS

O 191715Z JUL 73

FM HQ DNA WASH DC

INFO JNACC FLD CMOR KIRTLAND AFB NM

O 191652Z JUL 73

FM JCS

INFO RUFAWD/CSA WASH DC

RUENAAA/CNO WASH DC

RUERDRA/DNA WASH DC

RUFKAAA/ANMCC FORT RITCHIE MD

O 191649Z JUL 73

TO ZEN/SAC CP FORCE STATUS

ZEN/SAC CP LOGISTICS

ZEN/15AF CP FORCE STATUS

ZEN/15AF CP LOGISTICS

RUFEHQA/CSAF

RUFKJCS/JCS(NMCC)

RUFKAAA/AFFOC/FT RITCHIE

BT

RUERDRA/JOPREP JIFFY/PINNACLE [REDACTED] JOPREP-3/MENT SPEAR
REPORT NUMBER 001

J-7 CONNECTOR ON MARK 12 WARHEAD IN WEAPON STORAGE AREA

FELL APART. SERIAL NUMBER 171091.

MENT SPEAR DECLARED AT 191630Z

BT

14-4

DNA
(6)(3)

NNNN

~~SECRET~~
SECRET

IMMEDIATE

* [REDACTED] *

ROUTINE

PTA 00001

204 1334:54

RTTCZYUW RUSNAAA1900 2041227-0000--RUMTFBA.

ZNY CCCCC

R 111020Z OCT 77

FM USCINCEUR WATHINGEN GERMANY

TO RHFRAAB/HQ USAF RAMSTEIN AB GERMANY //UNCL//
INFO [REDACTED] AFCL

PUVKADA/DIR SPEC WPMS KELLY AFB TX //SWPTB//

RUMTFBA/DIR NUCLEAR SURETY KIRTLAND AFB NM //DNA//

RUMTFBA/FCDNA KIRTLAND AFB NM //FCPSM//

RUEFHQA/HQ USAF WASHDC //IGI//

RUVA AAA/HQ AFCL WPAFB OH //IGY//

RUMTFBA/AFWL KIRTLAND AFB NM //NS//

RHFRAAB/7055 OPS SG RAMSTEIN AB GERMANY //DOON//

RHEGSNM/SANDIA LABS ALBUQUERQUE NM //1211//

BT

ECJ3-SP 16435

SUBJECT: [REDACTED] DULL SWORD REPORT 77-03 (PAL MULFUNTION)

A. FCDNA 122046Z SEP 77 (C) (NOTAL)

B. USCINCEUR 221-5-2 SEP 77 (C)

C. USCINCEUR PAL PLAN 15 JAN 76 (SEP) (NOTAL)

1. (C) REF A AUTHORIZED ADDITIONAL CODE CHECK (NEW CODE)

PAGE 2 RUSNAAA1900

OF 857-2 S/N 15605 (REF FCDNA UR CODE 84T37). REF 3 PROVIDED
DETAILS ON ADDITIONAL TEST.

2. (C) ON 27 SEP 77, EUCON PMCT ATTEMPTED REFERENCED
CODE CHECK WITH NEGATIVE RESULTS. AT END OF NORMAL
OPERATING TIME, ZERO LOCKED AND FAULT INDICATIONS WERE
RECEIVED. THEREFORE, SUBJ WEAPON WILL BE RETURNED TO
CONTRACTOR IAW PARA 23, REF B.

3. (C) FOR DSM/FCDNA: REQUEST HQ USEUCOM BE KEPT
ADVISED OF POST MORTEM PROGRESS. FURTHER REQUEST EXPEDITIOUS
REPORTING OF PAL NUMERICS FOUND IN WEAPON IAW REF C.

XGDS2

BT

#1900

NNNN

ACTION	INFO
FCPSM	FCJ
	FCPP
	FCPF
	FCT
	FBA (GDS)

ROUTINE

CONFIDENTIAL

5504

ROUTINE

PTA 00317

111 2005:50

RTTCZYUW RUVKADA7666 1111915-CCCC--RUWTFBF RUWTFBA.

ZNY CCCCC

R 211315Z APR 77

FM DIR SP WPNS KELLY AFB TX/SWPTB

TO RUWTFBF/FC DNA KIRTLAND AFB NM/FCPSM

INFO RUWTFBA/AFLC NSO KIRTLAND AFB NM/LOWG

RUWTFBA/DIR NUCLEAR SURETY KIRTLAND AFB NM/SNA

BT

~~CONFIDENTIAL~~ ATOMIC ENERGY ACT 1954

SUBJECT C/N NS 4-19-77. DULL SWORD 77-0004. (U).

ACTIVITY ADVISES LOAD MONITORS WERE AWARE OF THE NOTE FOR STEP 26 PAGE 4-15 TO 1F-1046-16-4-2 CONCERNING MOMENTARY

ILLUMINATION OF THE WARNING LIGHT. THE WARNING LIGHT REMAINED ON FOR A PERIOD OF ABOUT 20 SECONDS BEFORE THE AMAC

WAS TURNED OFF FOR ONE LOAD. THE LOAD MONITOR WHEN FIRST NOTING THE INDICATION TOLD ONE OF THE CREW MEMBERS TO GO

AROUND THE AIRCRAFT AND CHECK THE READY-SAFE SWITCH. WHEN

THE CREW MEMBER REPORTED A SAFE INDICATION THE LOAD MONITOR

DIRECTED THAT THE AMAC BE TURNED OFF AND THAT THE LOAD STOP.

THE OTHER TWO LOAD MONITORS REPORTED THAT THE LIGHTS WERE

ON FOR APPROX TEN TO 15 SECONDS IN THEIR AIRCRAFT BEFORE

PAGE2 RUVKADA7666 C O N F I D E N T I A L FRD

THEY DIRECTED THAT THE AMAC SWITCH BE RETURNED TO THE OFF

POSITION. ALL THREE LOAD MONITORS SAID THE LIGHTS WERE

BRIGHT AND STEADY. ACTIVITY ADVISED THEIR HQ/LGW HAS

CONFIRMED THAT THESE LOADS WERE THE FIRST TO USE THE COMBINATION OF F-104G/857-2/DCU-201/Z34/CF1776. THE

LATTER IS TO BE CLARIFIED IN ANOTHER HQ MSG.

BT

#7666

NNNN

ACTION	INFO
FCPSM	ECID
	ECPP
	ECPE
	ECIL
	ERDA

ROUTINE

2178

00004

112 0047:14

FCISAC
LOWQ

PTTCZYUW RUVKADA7677 1112214-CCCC--RUWTFBF RUWTFBA.
ENY CCCCC

R 212210Z APR 77

FM DIR SP WPNS KELLY AFB TEX/SWPTB

212210Z

✓ TO RUWTFBF/FC DNA KIRTLAND AFB NM/FCPSM

✓ INFO RUWTFBA/AFLC NSO KIRTLAND AFB NM/LOWQ

BT

ACT 1354

ATOMIC ENERGY

SUBJECT: C/N NS 4-19-77. (U)

REF SWPTB 202115Z APR 77 AND SWPTB 211915Z APR 77.

MAJOR COMMAND ADVISES THIS WAS NOT THE FIRST
LOADING OF WR, 357 WPNS ON DCU 201/A37 EQUIPPED
F-104 AIRCRAFT. THEY HAVE DIRECTED FIELD UNITS
WITH SIMILAR EQUIPMENT TO BE PREPARED TO INSTALL
DCU-121/A'S FOR 857 COVERAGE.

BT

#7677

NNNN

Action | Info

FCPSM

FC D
FCPP
FCPF
FCI
ERDA

ROUTINE

~~FORMERLY~~
2181

ROUTINE

PTA 00025

202 1518:10

LFCSAM
AFWL

RTTEZYUW RUWTFDA0904 2021423-EEEE--RUWTFBA.
ZNY EEEEE
R 211240Z JUL 77
FM 321SMW GRAND FORKS AFB ND/SE
TO RUWTFBA/DIR NUCLEAR SURETHWD AFB NM/SNA
RUEFHQA/HQ AF WASH DC/IGI
RUVARIA/AFLC WPAFB OH/IGY
RUVKRIF/DIR SP WPNS KELLY AFB TX/SWPT
RUWTFBA/AFWL KIRTLAND AFB NM/SEC
RUWJEBASAMSO LOS ANGELES AFS CA/SE
RUWJABASAMSO NORTON AFB CA/MNBS
RUWTEKA/HQ SAC OFFUTT AFB NE/DOSH/LGM/LGW/LGBM
AIG 682/SE/LGM/LGB/LGW/DC
RUWTAEA/4235 ISDS CARSWELL AFB TX/OTSLT
RUVHRIF/OGDEN ALC HILL AFB UT/MMSR
BT

211240Z

SEE AFR 127-4 FOR RESTRICTIONS.

SUBJ: SUPPLEMENTAL 1/FINAL DULL SWORD, 321SMW 77-7

1. 14 JUL 77, 0027CDT LAUNCH FACILITY INDIA 40 (LF-I-40)

1.1 AFR 127-4, ATTACHMENT 1, PARA 16E.

2. AVAILABLE ON REQUEST.

3. LGM 306 WS133B (CDB)

PAGE 2 RUWTFDA0904 UNCLAS E F T O FOUO

4. 447SMS, 321SMW, GRAND FORKS AFB ND.

5. STRATEGIC ALERT

6. AT APPROXIMATELY 1200CDT ON 13 JULY 77 THE MISSILE COMBAT CREW (MCC) ON DUTY NOTED THAT A LOSS OF CABLE PROCESSING (COR) HAD OCCURED AT I-40 DURING A AN ALCC TEST. SUBSEQUENTLY AT 0027CDT ON 14 JUL 77, A LOSS OF RADIO PROCESSING OCCURED. A SECURITY SITUATION 2D WAS DECLARED. THE ROR CLEARED AT 0131, 14 JUL 77 AND AT APPROXIMATELY 1300CDT 14 JUL 77, THE COR CLEARED AS A RESULT OF THE REPLACEMENT OF THE AMPLIFIER CONVERTER DRAWER (6406A6).

7. PROBABLE CAUSE: LOSS OF RADIO PROCESSING DURING THUNDERSTORM ACTIVITY IN CONJUNCTION WITH A LOSS OF CABLE PROCESSING DUE TO A DEFECT IN THE 6406A6 DRAWER. THE CAUSE OF THE DRAWER MALFUNCTION WAS A FAILURE OF THE MODE SWITCH FOR THE UHF CABLE DATA RECEIVER. THE FAILURE OF THIS COMPONENT IS CONSIDERED TO BE A RESULT OF FAIR WEAR AND TEAR.

8. REMOVED AND REPLACED AMPLIFIER CONVERTER DRAWER (6406A6).

9. N/A

10. N/A

11. N/A

PAGE THREE RUWTFDA0904 UNCLAS E F T O FOUO

28 JUL 77
No Inacc Action Required.

P.J. Keller
Major USMC

ROUTINE

FOR OFFICIAL USE ONLY

ACTION	INFO
ICPP	FCD

ROUTINE

12. NO/NONE WILL BE
13. THOMAS D. BJERS, MAJOR CHIEF OF SAFETY AUTOVON 3E2-6120.
BT
#0904
NNNN

~~FOR OFFICIAL USE ONLY~~

ROUTINE

PRIORITY

SUSPECTED DUPLICATE

PTA 00053

240 1328:13

UNCLASSIFIED

PATSZFDY RUEBDBA1156 240 1330 RUWTFBF. N
PATSZYUW RUEBDBA1156 240 1330 RUWTFBF.

ZNY SSSSS

P 281329Z AUG 77

FM HQ DNA WASH DC

INFO JNACC KIRTLAND AFB NMEX

O 281116Z AUG 77

FM JCS

INFO DNA WASHINGTON DC

O 271718Z AUG 77

FM 38IMW891RS CP MCCONNELL KS /JJ0049

TO ZEN/SAC CP OPS/LOG/WX

ZEN/8AF CP OPS/LOG/WX

ZEN/SAC CP FORCE STATUS

ZEN/8AF CP FORCE STATUS

ZEN78W CP CARSWELL TX

RUEFHQA/CSAF

RUEKJCS/JCS(NMCC)

RUEKAAA/AFE0C FT RITCHIE MD

BT

~~SECRET~~ JOPREP JIEFY 0049/FFW890/IN/OPREP-3 BEELINE/049

AT 2340Z BOTH DETONATORS ON SECONDARY LOCK OF CODED SWITCH SYSTEM, COMPLEX 533-04, DETONATED SPONTANEOUSLY. COMPLEX WAS IN PROCESS OF BEING CODED WITH OPERATIONAL CODE. SYSTEM WAS UNDER MOD. PELIMINARY INVESTIGATION INDICATES THAT DETONATORS BLEW ALMOST SIMULTANEOUSLY WITH EXECUTION OF STEP 5.T.O. 21H-LGM 25C-2-26-1,P 3-97, FIG 3-14 PAGE 2 RUEKJCS0698 ~~SECRET~~

SYSTEM IS LOCKED UP. MISSILE IS PINNED DOWN FOR MINIMUM OF THIRTY-SIX (36) HOURS. FURTHER REPORTING WILL BE THROUGH SAFETY CHANNELS. (DULL SWORD)

UMPRMK/CARSWELL PASS TO: 19AD/DO

GDS-85

BT

#1156

NNNN

gjcw
pjk

281329Z

DISTRIBUTION: 9	
✓	FC5A
	Doc

SYSTEM

ACTION	INFO
ECPP	ECQ
	ECPSM
	ECPE
	ECJ
	ERD

TITAN II
gjcw

RECORDED UNCLASSIFIED

OR DECLASSIFIED

(New Classification)

BY AUTHORITY OF

JCS

(Date when the document)

86 039

which authorized the change)

on 8 SEP 1986

(Eff date)

UNCLASSIFIED

PRIORITY

SUSPECTED DUPLICATE

Accident Incident 1977

Save For ATG
will be included
in patches
JG

~~SECRET~~

AUTODIN 6414

RTTS JAZ RUWTPFA8348 2911731-SSSS--RUWJFOA.

ZNY SSSSS

R 181725Z

FM DSW KELLY AFB TEXAS

TO FC DASA SANDIA BASE ALBUQUERQUE NMEX

BT

ACTION	INFO
OP-7,8	SE-7 TG-191 DU-141314 AM-15

~~SECRET RESTRICTED DATA~~ ATOMIC ENERGY ACT 1954/ SAWPTW 24830

OCT 65.

FOR FCOP5. MY SAWPTW 24780 14 OCT 65 NS10-3-65. SUPPLEMENTAL BROKEN

ARROW INFO FOLLOWS: QUOTE:

3. VISUAL IDENTIFICATION OF CANS INDICATES THERE ARE

[REDACTED]

F. (1) OF THE FIRST 28 SPOT URINALYSIS CHECKS REVEALS A MAXIMUM INDIVIDUAL READING URINE ACTIVITY OF TRITIUM TO BE 4-24 MICRO CURIES/LITER. MAXIMUM PERMISSABLE LIMITS FOR OCCUPATIONAL EXPOSURE IS 25.0 MICRO CURIES/LITER PER WEEK. (2) SWIPE TESTS OF

DNA
(b)(3)

~~SECRET~~
EXCLUDED FROM
SCHEDULE
810-5-4700
DECLASSIFIED
1-1-71

PAGE 2 RUWTPFA8348 [REDACTED]

RESERVOIR CONTAINED ACTIVITY OF 3.76 MICRO CURIES PLUS OR MINUS 0.12 MICRO CURIES. SWIPE TESTS OF CAN CONTAINED TRITIUM ACTIVITY

OF [REDACTED] MICRO CURIES. (3) SAMPLES OF FOAM FROM VARIOUS POSITIONS AROUND AIRCRAFT WERE TAKEN. THE HIGHEST READING WAS 25 MICRO CURIES/GM. THIS READING WAS AT LEFT REAR SIDE OF AIRCRAFT. (4) READINGS WERE TAKEN OF PERSONAL CLOTHING FROM APPROXIMATELY 100 PERSONNEL. THE TRITIUM SNIFFER REVEALED A MAXIMUM READING OF 30 MICRO CURIES/CUBIC METER. (5) TWO SWIPE TESTS WERE TAKEN FROM PAPER LOG SHEET FROM INSIDE AIRCRAFT. ONE READING WAS 4,650 PICO CURIES/14.2 SQUARE CENTIMETERS. OTHER SWIPE REVEALED 2,620 PICO CURIES/14.2 SQUARE CENTIMETERS. THIS IS EXTREMELY MINIMAL.

L. PRESENT PLANS ARE TO REPACK RESERVOIRS MENTIONED IN "B" ABOVE IN J. P. CONTAINERS AND REMOVE ALL NORMAL APPEARING UNITS TO SRP, ABNORMAL RESERVOIRS, (2 EACH AT PRESENT), WILL BE TAKEN TO MOUND LAB. J. L. WOMACK, DA. PONT AND ZOD PERSONNEL WILL BE REPACKING. SERIAL NUMBERS OF ITEMS WILL BE FORWARDED WHEN INFORMATION IS AVAILABLE.

PART II. PRESENT

SCHEDULE FOR C-124 AND ACCIDENT AREA DECONTAMINATION

(UNDER SUPERVISION/OBSERVATION OF BASE HEALTH

PHYSICS TEAM, AEC REPRESENTATIVES AND DNS PERSONNEL)

[REDACTED] 10-5-47 00

PAGE 3 RUWTPFA8348 [REDACTED]

IS AS FOLLOWS;

14 OCT 0900-1100 AIRCRAFT ACCIDENT INVESTIGATION

BOARD CLEANING INFORMATION AT SITE.

THE AREA AROUND SITE BEING PREPARED

FOR CLEAN UP. CHARRED MATERIALS

& DEBRIS (LARGE PARTS) WILL BE

PLACED IN DEMSTER-DUMSTER, SMALLER

PORTIONS IN 50 GAL. DRUMS LINED WITH

POLYETHYLENE BAGS. MATERIAL WILL BE UNDER CONTINUOUS

SURVEILLANCE OF HEALTH PHYSICIST.

1200-1800

CLEAN UP OUTSIDE UNDER AND AROUND

AIRCRAFT. INCLUDES THE WASHING DOWN

OF RAMP AND THE OPENING OF AIRCRAFT

DOORS. WATER USED FOR WASHING DOWN

AIRCRAFT

AND SURROUNDING AREA WILL

BE FILTERED AND RAINED INTO A DIKED

AREA. THE CONTAINED WATER WILL BE

CONTINUOUSLY MONITORED BY BASE

10-5-47 00

~~SECRET~~
UNCLAS 5514

REF JAZ RUMTFAS277 2981947-SSSS--RUWJF01.

REF SSSSS

REF 141240Z

REF DIR SPECIAL WEAPONS KELLY AFB TEX

REF HQ DASA SANDIA BASE ALBUQUERQUE NMEX

BT

ACTION	INFO
OP 7,8	SE-9 TG-10,11 DV-12,13,14 AM-15

~~SECRET~~ ATOMIC ENERGY ACT 1954/SAWPTW24780

REF 55

REF FCOP5. 1. BROKEN ARROW (HW 7250TH ABW WPAFB EWE05316 13 OCT 55

RE-TRANSMISSION OF EWE 05273 12 OCT 55 ASSIGNED NS 10-3-65) IS FWD

FOR NECESSARY ACTION. SPECIAL HANDLING REQ'D BY AFR 127-4. QUOTE:

A. 12 OCT 1955 2045 EST, 0545Z, WPAFB, OHIO

B. (1) ~~SECRET~~

CLASS "C" W EXPLOSIVES GENERATORS, PKD. IN METAL CONTAINERS

(.127MET EXPLOSIVE WT PER CONTAINER). (3) ONE MK 53 TRAINING

UNIT. OTHER INFO NOT AVAILABLE AT THIS TIME.

P-1

~~SECRET~~

4
10-5-59

50 (1055) 1011

P-2

NOV 1964 'SUN' HIL 'NOI' 1964 'SUN' HIL
1964 'SUN' HIL 'NOI' 1964 'SUN' HIL

32

SECRET

PAGE 2 RUTQBN 7 [REDACTED]
1-6-9151 1-6-9189 1-6-9216
66; C00080, 29 JAN 66; C00085, 30 JAN 66; C00098, 31 JAN 66;
2-6-3087 2-6-3185 2-6-3308 2-6-3458
C00111, 1 FEB 66; C00123, 2 FEB 66; C00134, 3 FEB 66; C00149,
2-6-3570 2-6-3446 2-6-3895 2-6-5314
4 FEB 66; C00160, 5 FEB 66; C00174, 7 FEB 66; C00193; C00323,
2-6-3870 2-6-3740 3-6-3725
23 FEB 66; C00351, 27 FEB 66; C00370, 2 MAR 66; C00423, 7 MAR 66;
3-6-4398
C-00470, 14 MAR 66, THIS REPT COVERS REQUIREMENTS OF ATCH 4

AFR 127-4. GP-1.

A. NO CHANGE.

B. WEAPON NR. 4 MK 2841 MOD 2, SERIAL NUMBER 45345 HAS BEEN RECOVERED.

C. NO CHANGE

D. NO CHANGE

E. NO CHANGE

F. THE FOLLOWING IS TEXT OF TECHNICAL REPORT SUBMITTED FROM SITE BY MR. ASSELIN (SANDIA CORP) AND LT COL NEAL (AFINSE). THE BOMB WITH W28Y1 MOD 2 WARHEAD SERIAL NUMBER 45345, F 28-7 FUZE SERIAL NUMBER 62166 AND FISC 28-0 SERIAL NUMBER 34615 WAS LIFTED ABOARD RECOVERS SHIP USS PETREL AT 07/0741Z APR 66. NO CONTAMINATION ABOVE BACKGROUND LEVEL. MINIMUM ELECTRICAL SAFETY WAS PERFORMED AND WENT SMOOTHLY EXCEPT THERMAL BATTERY WAS JAMMED AND MUCH FORCE WAS REQUIRED TO REMOVE IT. METHOD USED WAS

P-3 **SECRET** 4-6-36:4

PAGE 3 RUTQEN 7 5 2 0 W

~~SECRET~~

TO DRILL INTO THE PACK, INSTALL A WOOD SCREW AND WASHER AND EXTRACT BY SPANISH WINDLASS AND PRYING WITH PINCH BAR AND SCREW DRIVERS. NO PARTICULAR DIFFICULTY DISCONNECTING ELECTRICAL PLUGS OR BOLTS. WEAPON WAS GENERALLY NOT CORRODED EXCEPT FOR SMALL BLISTERS ON TAIL SECTION. CORROSION MAY PROGRESS RAPIDLY NOW THAT WEAPON IS EXPOSED TO AIR. NOSE HAS LARGE DENT ON LOWER SIDE AND FOUR SMALL DENTS FORWARD OF THE FRONT RIVER LINE. FUZE SECTION SHOWS SOME BUCKLING, APPARENTLY DUE TO DEEP WATER PRESSURE. READY-SAFE SWITCH IN SAFE POSITION, PULLOUT RODS EXTRACTED AND MISSING. TAIL SECTION HAS TWO LONG GASHES THROUGH BOTH SKIN LAYERS ALONG EACH SIDE OF BOTTOM FIN. APPEARS THAT FIN WAS BENT INWARD, TAIL CLOSING PLATE AND RING FORGING FORCED OFF AND PARACHUTES DEPLOYED. 16 FOOT AND 64 FOOT CHUTES DEPLOYED AND ATTACHED TO SPIDERS. 64 FOOT CHUTE DEPLOYED DESPITE 16 FOOT CHUTE SHROUD LINE LOOPS HELD BY SPIDER. 64 FOOT CHUTE BAG MISSING. 60 INCH CUTE ATTACHED. ONE FIN STILL IN PLACE, ANOTHER RECOVERED IN PARACHUTE, AND TWO MISSING. BOTH VELOCITY FENCE COVERS MISSING, ONE HAVING BEEN SEEN BY DIVERS PRIOR TO BRINGING ABOARD SHIP BUT CAME OFF BEFORE RECOVERY COMPLETED. RACK LOCKED INTO WEAPON LUGS AND BEAM ABOVE IT. BEAM WAS TORN FROM CLIP-IN AND WIRES CUT OR BROKEN. CHUTE

4-6-3694

~~SECRET~~

PAGE 4 RUTQBN 7

~~SECRET~~

ATOMIC ENERGY ACT 1946

ENTANGLED ABOUT RACK UPON RECOVERY. ELECTRICAL SAFING COMPLETED AT 0913Z. MARKINGS OF MK, MOD, ALI DESIGNATIONS, SERIAL NUMBERS AND REAR OPENING COVERED WITH MASKING TAPE TO PERMIT SPANISH OFFICIALS TO INSPECT AND PRESS TO PHOTOGRAPH EXTERIOR OF WEAPON AS DIRECTED BY SECRETARY OF DEFENSE. RENDER SAFE AND PACKAGING IN SHIPPING CONTAINER ANTICIPATED TO BE COMPLETED BY 8 APR. MOVEMENT BY SURFACE VESSEL DIRECT TO US. PARACHUTE CANNED IN 55-GALLON DRUM AND MARKED FOR DELIVERY TO PANTEX. TRANSPORTATION ARRANGEMENTS WITHIN US UNKNOWN AT THIS TIME. NO PYROPHORIC EXPECTED BUT WARHEAD WILL BE COVERED WITH DRY SAND AS PRECAUTIONARY MEASURE.

G. NO CHANGE

H. NO CHANGE

J. NO CHANGE

K. NO CHANGE

L. SEE "F" ABOVE.

M. NO CHANGE

N. NO CHANGE

O. A.B. BRUBAKER, CAPT, DM4E, HQ 16AF, 3003.

GP-1.

BT

150/5

~~SECRET~~

ATOMIC ENERGY ACT 1946

4-6-3694

PUA279TUA068QTA119

00 RUWPUJ

DE RUTQEN 1 0791755

ZNY SSSSS 0 091756Z

FM 16RF TORREJON AB SPAIN

TO RUEKDA/SECRETARY OF DEFENSE

RUEAHQ/CSAF USAF

RUWMFNA/DIR NUC SFTY KIRTLAND AFB NM

RUWHNK/DEP INSPSFTY NORTON AFB CALIF

RUCSC/SAC

RUWGAA/2AF BARKSDALE AFB LA

RUEADH/8AF WESTOVER AFB MASS

RUWGHU/42AIRDIV BLYTHEVILLE AFB ARK

RUCQSL/822AIRDIV TURNER AFB GA

RUWGHU/97BW BLYTHEVILLE AFB ARK

RUEBFKA/68BW SEYMOUR JOHNSON AFB NC

RUEBBAA/AFSC ANDREWS AFB MD

RUCDSQ/AFLVXRPAFB

RUWGNH/SAAMA KELLY AFB TEX

RUWMFNA/AFSC KIRTLAND AFB NM

RUWHNL/OCAMA HILL AFB UTAH

RUWGNK/OCAMA TINKER AFB OKLA

RUWTBTA/DAD ATB EGLIN AFB FLA

RUWMFNA/AEC ALO KIRTLAND AFB NM

RUWPQS/SANDIA CORP SANDIA BASE NMEX

RUWPQL/LASL LOS ALAMOS NMEX

RURPXG/AEC DMA WASH DC

INXO RUWGSK/SAC OTSL CARSWELL AFB TEX

IMMEDIATE

ACTION

INFO

0P7,8,9

DE-10

TG 11,12

DV 13,14,15

AM 16

10

4-6-3895

WPNS DISP

P-1

~~SECRET~~

ATOMIC ENERGY ACT 1946

~~SECRET~~
PBWL/USAFE CP

RUMPUJ/FC DASA SANDIA BASE NMEX

RUTHBH/CHIEF JUSMG MAAG SPAIN

BT

~~SECRET~~ C 00107. APR 66.

SUBJ: REPORT OF NUCLEAR ACCIDENT (BROKEN ARROW). REF PARA F,
16AF, SECRET RD/NOFORN MSG DC 12009, 7 APR 66, FINAL REPORT OF
NUCLEAR ACCIDENT (BROKEN ARROW). SEC DEF FOR ASTD (AE); CSAF
AND AFIGO, AFFIS AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO, DM,
DOSD; 2, 8, 42, 822AD (DO, DM, DS); 68 AND 97 BW (DCO, DCM, DS);
SCIZ; MASS; SWVN; OOYS; JUSMG FOR GEN DONOVAN; FC DASA FOR FC OP
AND FCDV; AEC/ALO FOR MR. WHITE; SANDIA CORP, SANDIA BASE FOR
1540 AND 9320; LASL, LOS ALAMOS FOR DR. ROY; THIS CONTITUATES
ADDITION. OR CORRECTED INFO TO REPTS FROM 16AF ADV ON SECRET

P-2
~~SECRET~~
~~SECRET~~

4-6-3895

PAGE 2 RUTQBN 1

RESTRICTED DATA MSG C00010, 23 JAN 66, C00028, 24 JAN; C00034, 1-6-5532
25 JAN 66; C00041, 26 JAN 66; C00054, 27 JAN 66, C00066, 28 JAN 66;
C00080, 29 JAN 66; C00085, 30 JAN 66; C00098, 31 JAN 66; C00111,
1 FEB 66; C00123, 2 FEB 66; C00134, 3 FEB 66; C00149,
4 FEB 66; C00160, 5 FEB 66, C00174, 7 FEB 66; C00195,
C00323, 23 FEB 66; C00351, 27 FEB 66; C00370, 2 MAR 66, C00423
3 MAR 66; C00470, 14 MAR 66; DC 12009, 7 APR 66. FOLLOWING IS

TECHNICAL REPORT

COVERING THE FINAL SAFING AND PACKAGING ACTIVITIES

ON THE MK 28 BOMB RECOVERED NEAR PALOMARES SPAIN ON APRIL 7,
1966. FOLLOWING PHOTOGRAPHY OF THE WEAPON BY PRESS REPRESENTA-
TIVES ON APRIL 8, 1966, THE WEAPON WAS DISASSEMBLED BY AIR FORCE
AND NAVY EOD TECHNICIANS AND COMPLETION OF EODL 62-29 (AFTO
11A17-1-100-25) PROCEDURES TOOK PLACE. AN M530 SPANNER WRENC
WAS USED TO REMOVE LOCKING RING TO SEPARATE FUSE SECTION FROM
WARHEAD. DIFFICULTY WAS EXPERIENCED STARTING THE RING TO TURN
APPARENTLY BECAUSE OF SILT AND OTHER MATERIAL HAVING BEEN
FORCED INTO THE THREADS. AFTER THIS WAS OVERCOME BY ADDED
LEVERAGE, FUSE SECTION WAS REMOVED WITHOUT DIFFICULTY. WARHEAD
FIRING SET PRESSURE COVER WAS DIFFICULT TO REMOVE BECAUSE WATER

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PAGE 3 RUTQBN 1 **SECRET**

PRESSURE HAD CRUSHED COVER AROUND COMPONENTS INSIDE BEFORE SEAL LEAKAGE PERMITTED PRESSURE EQUALIZATION. POUNDING, PRYING, PULLING, AND SMALL AMOUNT OF CUTTING PERMITTED REMOVAL WITHOUT ANY SIGNIFICANT EFFECT ON THE COMPONENTS INSIDE. DETONATOR CABLES WERE DISCONNECTED WITHOUT DIFFICULTY. COMPONENTS WERE VISUALLY IN GOOD SHAPE. RESERVOIR THERMAL PLUG APPEARED UNDISTORTED. WHEN GLAND NUT WAS REMOVED A SMALL AMOUNT OF PRESSURE WAS RELEASED, POSSIBLY FROM SLOW EQUALIZATION OF THE VALVE CHAMBER WITH SEA WATER DURING THE LONG SUBMERGENCE. T290 MONITORING WAS NEGATIVE. IT APPEARED THAT THE CRUSHING OF THE PRESSURE COVER HAD CAUSED THE DIFFICULTY WITH THERMAL BATTERY REMOVAL ON THE PREVIOUS DAY.

H530 WAS USED TO REMOVE LOCKING RING TO SEPARATE TAIL SECTION FROM WARHEAD AND NO DIFFICULTY WAS ENCOUNTERED. SPIDER ASSEMBLY WAS SEPARATED FROM TAIL SECTION AND DETONATOR REMOVED. ALL LOOPS FROM 16 FOOT AND 64 FOOT CHUTES WERE STILL ATTACHED IN NORMAL MANNER. LARGE AMOUNT OF MUD IN THIS AREA HAD MADE IDENTIFICATION OF THE 30 INCH STABILIZATION CHUTE DIFFICULT ON THE PREVIOUS DAY BUT IN DISASSEMBLY IT WAS FOUND PACKED IN ITS BAG IN NEAR NORMAL POSITION. EXAMINATION OF REAR OF WAR-

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PAGE 4 RUTGENT

HEAD INDICATED NO APPARENT DAMAGE EXCEPT CORROSION OF PORTION OF REAR CAP WHERE MUD HAD APPARENTLY SETTLED. SCHRADON VALVE IN LARGE CENTER BOLT WAS DEPRESSED AND SMALL AMOUNT OF WATER PUSHED BY HIGH GAS PRESSURE WAS RELEASED. AFTER PRESSURE WAS RELEASED, VALVE WAS REMOVED AND WARHEAD SOOD ON END TO DRAIN. VERY LITTLE ADDITIONAL WATER DRAINED OUT. VISUAL INSPECTION OF INTERIOR OF HOLE INDICATED VERY LITTLE MOISTURE LEFT. VALVE REINSERTED. APPARENTLY SEA PRESSURE FORCED WATER AROUND VALVE. GAMMA MONITORING DURING THIS OPERATION WAS NEGATIVE. PACKAGING OF THE WEAPON WAS CARRIED OUT AS ORIGINALLY PLANNED EXCEPT FOR THE PARACHUTES BEING SHIPPED IN A SEPARATE CONTAINER. THE WARHEAD WAS COVERED WITH SAND IN A WOOD BAFFLED CENTER SECTION OF THE J79 ENGINE CONTAINER AND THE REMAINING PORTIONS PUT IN THE END SECTIONS RESTING ON SAND AND BRACED WITH WOOD PIECES. BEAM FROM MHU 20C CLIP IN WAS UNBOLTED FROM MB-3 RACK. RACK WAS JAMMED AND LOCKED; SO IT WAS LEFT LATCHED TO THE WARHEAD AND COVERED WITH SAND DURING CONTAINER FILLING. CONTAINER, WITH VENTED COVER INSTALLED, WAS TRANSFERRED FROM USS PETREL DIRECTLY TO USS CASCADE DESTROYER TENDER AT APPROXIMATELY 1650 LOCAL. CONTAINER AND CONTENTS WILL RIDE

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[REDACTED]

PAGE 5 RUTQBN 1 S E C R E T RD NOFORN

IN THE OPEN ON A HIGH DECK. OPENINGS IN CONTAINER COVER HAVE
BEEN SHIELDED TO PREVENT RAIN ENTRY WHILE PERMITTING VENTILATION.
SHIPMENT IS DIRECTED TO PANTEX ORDNANCE PLANT, AMARILLO TEXAS. GP-1.

BT

P-4

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[REDACTED]

NNNN

[REDACTED]

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NNNNEWPUA424VV TUA670PQB975

PP RUWPUJ

DE RUWPQM 943 1251822

ZNY SSSS ~~EXCLUDED~~

REGRADING, DOD DIR 5200.10

P 051822Z ~~SECRET~~

ACTION

INFO

01-7,8,9

EX-10
SE-11, 13
TG-12, 15, 16
DY-14, 15, 16
AM-17

FM H JACK BLACKWELL AREA MANAGER USAEC AMARILLO AREA OFFICE

TO RUWPQA/W LEE HANCOCK ASST MGR FOR OFFICE OF WEAPONS USAEC

ALBUQUERQUE OPERATIONS OFFICE ALBQ NMEX /SERIES C/

RUWPQA/ATTN H A WEBER DIRECTOR PAC DIV ALBQ NMEX /SERIES C/

RUWPQA/ATTN WALTER F WHITE DIRECTOR STORAGE DIV ALBQ NMEX

/SERIES C/

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F462
M. L. L. L.

RUWPQA/VINCENT C VESPE DIRECTOR OPERATIONAL SAFETY DIV USAEC

ALBUQUERQUE OPERATIONS OFFICE ALBQ NMEX /SERIES C/

RUWPOL/N E BRADBURY DIRECTOR LASL LOS ALAMOS NMEX /SERIES D/

RUWPOL/ATTN FRANK DUNN W7 LASL LOS ALAMOS NMEX /SERIES D/

RUWPOL/ATTN DR EUGENE EYSTER GMX 3 LASL LOS ALAMOS NMEX/SERIES D/

RUWPQS/S P SCHWARTZ PRES SANDIA CORPORATION ALBQ NMEX /SERIES E/

RUWPQS/ATTN S MOORE ORG 1540 SC ALBQ NMEX /SERIES E/

RUWPQS/ATTN B E ARTHUR ORG 1520 SN ALBQ NMEX /SERIES E/

RUWMFA/COMMANDING GEN KIRTLAND AIR FORCE BASE ALBQ NMEX /SERIES F/

RUWMFA/ATTN NWEF WILLIAM GORDON KIRTLAND AFB ALBQ NMEX /SERIES F/

RUWMFA/ATTN DNS LT CO MARSHALL NEAL KIRTLAND AFB ALBQ NMEX /SERIES F/

RUWMFA/SAC LIAISON OFFICE KIRTLAND AFB ALBQ NMEX /SERIES F/

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M FNA/ATTN LT COL FRED CHANATRY KIRTLAND AFB ALBQ NMEX /SERIES F/
RUWPUJ/COMMANDER FIELD COMMAND DASA SANDIA BASE NMEX /SERIES G/
RUWPUJ/ATTN CAPT ROBERT P HARLOW FCDV AND FCOP SANDIA BASE NMEX
/SERIES G/

ZEN/JOHN C DRUMMOND PLANT MGR MASON & HANGER PANTEX PLANT
AMARILLO TEXAS /SERIES B/

ZEN/D E MURPHY DIV SUPERVISOR SC 2126 PANTEX PLANT AMARILLO TEXAS
/SERIES B/

AEC

BT

~~SECRET~~ REFERENCE MY TWX DATED MAY 4, 1966
REGARDING DISASSEMBLY AND POST-MORTEM EXAMINATION OF THE FOUR WEAPONS
INVOLVED IN THE SPANISH ACCIDENT. THE FOLLOWING INFORMATION IS
PROVIDED AS A SUPPLEMENT TO THE REFERENCE AND IS TO ADVISE YOU OF
THE STATUS OF ACTIVITIES ACCOMPLISHED TO DATE:
UNIT NO. 4 (S/N 45345) AND ALL COMPONENTS ASSOCIATED WITH IT IN ITS
CONTAINER HAVE BEEN UNPACKAGED AND THE WARHEAD IS BEING RADIOGRAPHED.
NO CONTAMINATION HAS BEEN LOCATED ON UNIT NO. 4 THUS FAR AND AFTER
RADIOGRAPHY THE UNIT WILL BE HELD FOR DISASSEMBLY SCHEDULED TO BEGIN
MAY 9, 1966.

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P-2

PAGE TWO RUWPM [REDACTED]

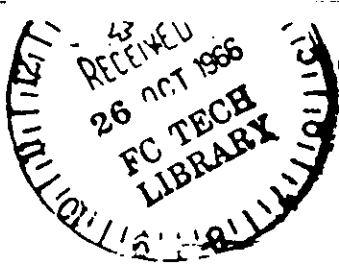
UNIT NO. 1. (S/N 54327) HAS HAD THE FUZE SECTION REMOVED AND THE WARHEAD IS BEING RADIOGRAPHED. THERE WAS ONE AREA LOCATED AT THE HOCKEY STICK THAT HAD DUST WITH A READING OF 250 COUNTS PER MINUTE. THIS AREA WAS DECONTAMINATED PRIOR TO THE UNITS BEING SENT TO RADIOGRAPHY.

THE SEPARATELY BOXED SHAPE COMPONENTS WERE UNPACKED AND CHECKED FOR CONTAMINATION. THE FOLLOWING CONTAMINATION WAS FOUND WITHOUT ANY DISASSEMBLY OF THE SHAPE COMPONENTS:

1. ONE PARACHUTE STRAP HAD READINGS OF 7000 CPM.
2. SAND LOCATED IN THE SHAPE COMPONENTS HAD A READING OF 5000 CPM.
3. THERE WERE SEVERAL AREAS AT THE BOLT HOLES WHICH HAD SAND IN THEM AND READINGS OF FROM 350 TO 500 CPM WERE OBTAINED.
4. THE WOODEN BOX THE SHAPE COMPONENTS WERE PACKED IN HAD SEVERAL PLACES IN ONE CORNER OF THE BOX WHERE READINGS OF FROM 300 TO 500 CPM WERE OBTAINED. THE 64 FOOT PARACHUTE APPEARED TO BE INTACT IN THE CASE SECTION (MC-1478) AND NO ATTEMPT WAS MADE TO REMOVE THE THE PARACHUTE TO SEE IF CONTAMINATED SAND HAD SIFTED INTO THE INNER AREAS.

I BELIEVE SUCCESSFUL DECONTAMINATION OF THE SHAPE COMPONENTS WOULD BE EXTREMELY DIFFICULT AND IMPRACTICAL. THEREFORE, I RECOMMEND NO

P-3 [REDACTED] 5-6-3420



GE THREE RUWPQM 9

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OTHER CHECKS ON DISASSEMBLY BE MADE ON THE SHAPE COMPONENTS AND
AT THEY BE DISPOSED OF AT SOME DATE SUBSEQUENT TO MAY 9, 1966 BY
RIAL ALONG WITH THE OTHER ITEMS FROM UNIT NO. 1 FISC WHICH ARE
CKED WITH CONTAMINATED RESIDUE FROM UNITS 2 AND 3 (S/N 330448 AND
4379). I WOULD APPRECIATE BEING NOTIFIED BY ANY ADDRESSEE WHO
SAGREES WITH THIS RECOMMENDED ACTION, WHAT HIS ORGANIZATION'S
SIREs ARE BY COB MAY 10, 1966. END REF: AAO/PMR

0UP ONE

2-4

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FM 16AF TORREJON AB SPAIN

TO RUEPXG/ AEC WASH DC

RUEPWZ/FC DASA

RUEPWZ/DASA

RUWPQA/AEC ALBUQUERQUE OPERATIONS OFFICE

RUWPQL/DIRECTOR LOS ALAMOS SCIENTIFIC LABORATORY

RUWPQS/PRESIDENT SANDIA CORPORATION

BT

THIS DOCUMENT CONSISTS OF 2 PAGES
NO. 1 OF 6 COPIES, SERIES A

DASA 00336

~~SECRET~~ FORMERLY RESTRICTED DATA DC 00022 JAN 66. ATTN:
DMA AEC WASH DC . ATTN: W.R. HOAGLAND SANDIA CORPORATION.

PART ONE OF FOUR. FROM COLONEL W.E. GERNERT. FOLLOWING IS AEC OBSERVER
TEAM STATUS REPORT ON WEAPONS IN B-52/KC-135 ACCIDENT AT PALOMARES,
SPAIN. AS OF THIS TIME THREE OF FOUR MARK 28 FI WEAPONS HAVE BEEN
FOUND IN CONDITION AS DESCRIBED BELOW:

WEAPON ONE (WH54327): RELATIVELY INTACT AFTER IMPACT
IN REMOTE AREA. THREE TAIL FINS MISSING, PILOT CHUTE PULLED
OUT, NOSE PARTIALLY CRUSHED, RACK ATTACHED TO LUGS, READY
SAFE SWITCH IN SAFE POSITION.

WEAPON TWO: APPARENT LOW ORDER DETONATION ON IMPACT
IN A REMOTE AREA. ~~REDACTED~~ POUNDS OF HE RESIDUE
RECOVERED. THE TAIL WITH PILOT CHUTE PULLED OUT AND GROUND
IMPACT DAMAGE FOUND APPROXIMATELY 100 FEET BACK ON TRAJECTORY
PATH. THE PIT HAS NOT BEEN FOUND. THE SECONDARY WAS

FOUND ~~REDACTED~~ RESERVOIR FOUND ON
EDGE OF IMPACT CRATER-- CONDITION UNKNOWN. SOME FUZING

AND FIRING COMPONENTS RECOVERED INCLUDING READY SAFE SWITCH

DNA
(b)(3)

(7)

POSITION OF READY SAFE TCH CAN ONLY BE DETERMINED BY LATER
POST MORTEM.

WEAPON THREE: APPARENT LOW ORDER DETONATION ON
IMPACT WITHIN 200 FEET OF INHABITED STRUCTURES. [REDACTED]

[REDACTED] POUNDS OF HE RESIDUE RECOVERED. ONE RUPTURED RESER-
VOIR BELIEVED TO BE FROM THIS WEAPON AND APPROXIMATELY ONE
THOUSAND YARDS FROM WEAPON IMPACT POINT. NO FUZING AND
FIRING COMPONENTS RECOVERED AS YET.

PART TWO. ALPHA COUNTS IN ONE OF THE IMPACT CRATERS
(WEAPON 2 OR 3) HAVE BEEN RECORDED AS HIGH AS
450,000 CPM. THE OTHER CRATER HAS ALPHA READINGS, BUT
PRECISE FIGURES NOT AT HAND AS THIS MESSAGE IS PREPARED.

PART THREE. THE SEARCH IS CONTINUING FOR THE FOURTH
WEAPON UTILIZING APPROXIMATELY 400 PERSONNEL ON FOOT, ALL
AVAILABLE AIRCRAFT, AND AT LEAST ONE NAVY VESSEL.

PART FOUR. WEAPON RESIDUE FROM THREE WEAPONS ARE
TO BE SHIPPED VIA TRUCK TO SAN JAVIER, THEN BY AIRCRAFT TO
TORREJON AIR BASE FOR REPACKAGING AS NECESSARY. COM-
MUNICATIONS FACILITIES EXTREMELY LIMITED AT THE ACCIDENT SCENE
WHICH REQUIRES DELIVERY OF CLASSIFIED MESSAGES TO TORREJON
FOR TRANSMISSION TO THE CONUS. GP1.

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[REDACTED]

EXCLUDED FROM
DECLASSIFICATION

SPECIAL HANDLING REQUIRED

FORMERLY RESTRICTED DATA

SECTION

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(8)

PRIORITY

215

PP RUEPWZ

DE RUEAHQ 174 0212107

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P 212102Z

FM CSAF

TO ZEN/JOINT CHIEFS OF STAFF WASH D C

RUEPWZ/DIRECTOR DASA WASH D C

GRUWPUJ/JOINT NUCLEAR ACCIDENT COORDINATING CENTER SANDIA BASE N M

RUCKPG/U S NAVY EXPLOSIVE ORDNANCE DISPOSAL FACILITY INDIAN HEAD
MARYLAND

INFO RUCSC/SAC

BT

DASA 00395

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*This is transmitted to
Navy & AEC 24 Jan 66*

~~RESTRICTED DATA~~ /// ATOMIC ENERGY ACT OF 1954 ///

SECTION 1 OF 2 AFSSSG 85584 JAN 66. SUBJECT: SUPPLEMENTAL REPORT NUMBER 4 OF NUCLEAR ACCIDENT; REPORT CONTROL SYMBOL DD-SD(AR)382. REFERENCES AFSSSG 84803, 84948, 85032 AND 85388, JAN 66. FOLLOWING REPORT IS SUBMITTED IN ACCORDANCE WITH SECTION IV, DEPARTMENT OF DEFENSE INSTRUCTION NO. 7730.12 DATED JULY 27, 1962, AND SEC DEF MSG DEF 1972 FROM ATSD (AE). THE FOLLOWING REPRESENTS UPDATED INFORMATION AS OF 2100Z, 20 JANUARY 1966: 1. STATUS OF SEARCH:

A. A TAIL CLOSING PLATE ATTACHED TO THE AFT RING OF THE MDF (MILITARY DETONATING FUZE) HOUSING, AND IDENTIFIED AS A PART OF WEAPON NO. 4, WAS FOUND WITHIN THE DISASTER CONTROL BIVOUAC AREA. EFFORTS WILL BE MADE TO DETERMINE WHETHER IT WAS BROUGHT IN BY A SEARCHER OR CAME TO REST AT THE POINT WHERE FOUND. THE POINT IN QUESTION IS SITUATED ABOUT 100 YARDS FROM THE B-52 TAIL SECTION AND LIES GENERALLY BETWEEN THE WEAPON FOUND NEAR THE BEACH AND THAT WHICH IMPACTED IN THE

VILLAGE OF PALAMARES. THE RING HAD NOT BEEN PULLED AWAY FROM THE PARACHUTE HOUSING WHICH ATTACH THE RING TO THE HOUSING. BASED ON INFORMATION FROM THE 68TH BOMB WING, THIS WEAPON WAS LOADED ON LOWER LEFT. THE WEAPON IMMEDIATELY ABOVE IT HAS BEEN IDENTIFIED AS THAT FOUND NEAR THE BEACH AND IS THE FIRST ON THE AIRCRAFT'S PROJECTED FLIGHT PATH. THE NEXT WEAPON ON THIS PATH IS THE ONE WHICH IMPACTED IN THE VILLAGE OF PALAMARES. ITS POSITION WAS THE LOWER RIGHT. THE WEAPON FARTHEST DOWN THE FLIGHT PATH, AND WHICH IMPACTED IN THE HILLS BEYOND PALAMARES WAS LOADED ON THE UPPER RIGHT. ASSUMING THE TAIL CLOSING PLATE IN QUESTION CAME TO REST WHERE FOUND, THE POSSIBILITY THAT WEAPON FOUR IMPACTED IN THE WATER OFFSHORE IS ENHANCED. B. INTERROGATION OF WITNESS REPORTED TO HAVE OBSERVED PARACHUTES IS CONTINUING. SEARCH IS CONTINUING WITH MINE-SWEEPER ASSISTANCE EXPECTED BY 0730Z 21 JANUARY 1966. 2. STATUS OF RECOVERED WEAPONS: A. THE FOLLOWING DESCRIBES CONDITION OF THE WEAPON LOCATED NEAR THE BEACH: (1) THE ARM-SAFE SWITCH WAS INDICATING "SAFE". (2) LOADING LUGS WERE STILL ENGAGED IN THE MB-3 RELEASE MECHANISM. (3) THE TAIL CLOSING PLATE HAD TORN AWAY FROM THE REAR CASE AND THE PILOT CHUTE HAD DEPLOYED. RING AT END OF CASE HAD NOT BEEN PULLED AWAY. (4) BOMB NOSE DEPRESSED INWARD, SLIGHTLY, FROM IMPACT. (5) THREE OF THE FOUR BOMB FINS WERE TORN AWAY AND MISSING: (A) THE THREE FINS AND TAIL CLOSING PLATE HAVE NOT BEEN FOUND. (6) RSP ACCESS WAS MADE INTO BATTERY COMPARTMENT. BATTERY WAS REMOVED. TRITIUM MONITORING PROVED NEGATIVE. ALPHA MONITORING PROVED NEGATIVE. (7) THE WEAPON AND PARACHUTE ASSEMBLIES WERE SEPARATED AND INDIVIDUALLY LIFTED BY HELICOPTER INTO TRANSPORT TRUCK. (B) FOLLOWING PERTAIN TO WEAPON WHICH IMPACTED IN VILLAGE OF PALAMARES: (1) HIGH EXPLOSIVE HAD EXPERIENCED LOW ORDER DETONATION (APPROXIMATELY 10 PCT OF HE WAS COVERED IN SMALL PIECES AND SLIVERS). (2) SECONDARY WAS IN THE CRATER.

CRATER WAS ABOUT 20 FEET ACROSS AND SIX FEET DEEP. (3) THE TRITIUM BOTTLE HAD BEEN BLOWN INTO THE POTTING MATERIAL OF THE FIRE SET. BOTTLE RECOVERED A975 25 FEET FROM CRATER.

DNA
(b)(3)

(13)

AWAY. THE MDT HAD FUNCTIONED AND THE PILOT CHUTE WAS
MAIN CHUTE WAS OUT OF THE RUPTURED AFTER BODY CHUTE
CHUTE COVER. (5) FRAGMENTS OF THE WEAPON CASE WERE FOUND
HUNDRED YARDS IN ALL DIRECTIONS FROM THE CENTER. (6)

OF: (A) SECONDARY -

(B) WEAPON CASE IN PIECES, RANGING IN SIZE FROM 1/2 INCH
1 INCH DIAMETER. (C) TRITON BOTTLE - MASHED INTO POTENTIAL
AND PARTS OF FIRE SET WAS BENT AND MASHED BUT APPEARED
(D) WEAPON AFTERBODY - BENT AND MANGLED FROM EXPLOSION AND
(E) PARA-PACK - MAIN CHUTE STILL IN CANVAS BAGS; PILOT CHUTE
OUT BUT INTACT. (F) HIGH EXPLOSIVE RECOVERED IN [REDACTED]
PIECES - CHIPS, SLIVERS).

C. FOLLOWING RELATES TO WEAPON WHICH IMPACTED IN HILLS BEYOND
PALAMARES: (1) AFTERBODY FAIRLY INTACT WITH PILOT CHUTE DEPLOYED.
(2) SECONDARY IN SMALL CRATER 3-5 FEET ACROSS; 3 FEET DEEP.
(3) HIGH EXPLOSIVE IN PILE ON EDGE OF CRATER EXCEPT FOR SOME SMALL
PIECES SCATTERED OVER 300 FEET RADIUS. [REDACTED]

[REDACTED] (4) WEAPON CASE AND INTERNAL
WEAPON PARTS BADLY BROKEN UP AND MANGLED BY IMPACT AND DETONATION.
(5) RECOVERY WAS MADE OF: (A) SECONDARY - CRACKED BUT INTACT EXCEPT
FOR SMALL PIECE BROKEN OUT [REDACTED] (B) TRITON BOTTLE
MASHED AND RUPTURED. FOUND ABOUT 1500 FEET FROM IMPACT POINT.

(C) HIGH EXPLOSIVE - RECOVERED IN SMALL CHUNKS. WEAPON CASE
INTERNAL PARTS - FRAGMENTED. PIECES RANGE FROM APPROXIMATELY
FEET ACROSS TO AS SMALL AS TWO INCHES ACROSS. (D) AFTERBODY
BUT BENT BY IMPACT AND DETONATION. (E) PARA-PACK - MAIN CHUTE
INTACT AND INSIDE AFTERBODY. PILOT CHUTE DEPLOYED. SCORCHED
TENTIALLY BURNED. (F) WEAPONS AND DEBRIS, EXCEPT FOR TAIL CLOSING
FOR WEAPON FOUR, ARE IN TRANSIT TO TORREJON. REPACKING WILL BE AC-

PLISHED WITH ASSISTANCE OF AEC PERSONNEL AND ITEMS AIRLIFTED TO 21

3. STATUS OF RADIATION COUNT AND ACTIONS: A. PAC ONE "S" MONITORING
CONCENTRIC CIRCLES ABOUT IMPACT SITE IN VILLAGE OF PALAMARES ON 17

FROM IMPACT POINT. READING WAS 1,100,000 CPM.
FEET READING WAS 45,000 CPM AND AT 300 FEET READING WAS 10,000 CPM.
AT POINT OF IMPACT WAS 600,000 CPM. FORCE OF IMPACT WAS 100,000 LBS.
DEGREE AND METAL PARTICLES ARE PREDOMINANTLY IN THE 30 DEGREE
READINGS ON 20 JANUARY REFLECTED A SIGNIFICANT REDUCTION IN RCP
WITH A HIGH OF 450,000 AT 30 FEET ON AN AZIMUTH OF 120 DEGREES
READING ON THE 30 DEGREE AZIMUTH AT SIXTY FEET WAS 100,000 CPM.
HIGHEST READING ON THAT AZIMUTH OF 120,000 AT SEVENTY FEET.

BT

~~EXCLUDED FROM AUTOMATIC
DECLASSIFICATION~~

~~RESTRICTED DATA~~

~~GROUP 1 EXCLUDED FROM AUTOMATIC
DECLASSIFICATION~~

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PRIORITY

23 JAN 66 02 27
EWL321 EUH975JEA973ZCHQC334

HQS, DASA

PP RUEPWZ

DE RUEAHQ 184 0212107

ZNY SSSSS

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FM CSAF

TO ZEM/JOINT CHIEFS OF STAFF WASH DC

RUEPWZ/DIRECTOR DASA WASH DC

RUEWPUJ/JOINT NUCLEAR ACCIDENT COORDINATING CENTER SANBIA BASE N-H

RUCKPG/US NAVY EXPLOSIVE ORDNANCE DISPOSAL FACILITY INDIAN HEAD
MARYLAND

INFO RUCSC/SAC

BT

~~REDACTED~~ /// ATOMIC ENERGY ACT OF 1954 ///

FINAL SECTION OF 2 AFSSSG 85584 JAN 66.

ACTIONS AND PRECAUTIONS INDICATED IN MESSAGE OF 19 JAN

ARE CONTINUING. ADDITIONALLY, SPANISH AEC AUTHORITIES ARE PRESENT

WITH A MOBILE LABORATORY AND AEC TESTING VILLAGE PERSONNEL, MONITORING

WATER, AND SOIL. AS FAR AS IS KNOWN AT THIS TIME, NO SERIOUS PROBLEMS

LEMS HAVE DEVELOPED. DECONTAMINATION TO INCLUDE SCRAPPING AND REMOVAL

OF SOIL, LEACHING, ETC. WILL BE ACCOMPLISHED. DECONTAMINATION BY

SPANISH AUTHORITIES IS BEING EFFECTED. SAC, INDIAN HEAD, MARYLAND

IMPACT POINT IN HILLS BEYOND PALAMARES ON 19 JANUARY REVEALED

READING OF 210,000 CPM AT 15 FEET. WHILE THIS AREA IS UNINHABITED

HAS LITTLE IN THE WAY OF VEGETATION, IT WAS NOTED THAT GOATS ARE

HERDED IN THE GENERAL VICINITY OF THE IMPACT. DECONTAMINATION MEASURES

REQUIRED NOT YET DETERMINED. C. URINE SAMPLES HAVE BEEN OBTAINED

FROM EOD RADIOLOGICAL PERSONNEL FOR ANALYSIS. READINGS ON SHOES ON

CLOTHING HAVE NOT EXCEEDED 15,000 CPM. AIR SAMPLES OF COMMAND POST

REPORTING OFFICE WERE NOTIFIED BY TELETYPE AT

PERSONNEL WERE SENT TO LABORATORY FOR ANALYSIS

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PRIORITY

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~~THIS DOCUMENT CONTAINS RESTRICTED DATA (R)~~
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TO ZEN/JOINT CHIEFS OF STAFF WASHDC

RUEPWZ/DIRECTOR DASA WASHDC

RUWPUJ/JOINT NUCLEAR ACCIDENT COORDINATING CENTER SANDIA BASE NM
RYCJOG/US NAVY EXPLOSIVE ORDNANCE DISPOSAL FACILITY INDIAN HEAD MARYLAND
INFO RUCSC/SAC

BT

~~RESTRICTED DATA~~ /// ATOMIC ENERGY ACT OF 1954 ///

AFSSSG 85388 JAN 66. SUBJECT: SUPPLEMENTAL REPORT NUMBER 3
OF NUCLEAR ACCIDENT; REPORT CONTROL SYMBOL DD-SD(AR)382. REFERENCES
AFSSSG 84803, 84948 AND 85032, JAN 66. FOLLOWING REPORT IS SUBMITTED
IN ACCORDANCE WITH SECTION IV, DEPARTMENT OF DEFENSE INSTRUCTION NO.
7730.12 DATED JULY 27, 1962, AND SEC DEF MSG DEF 1972 FROM ATSD(AE).
THE FOLLOWING REPRESENTS UPDATED INFORMATION AS OF 1545Z, 19 JAN 66.
AIR AND GROUND SEARCH CONTINUES FOR FOURTH WEAPON. TWO REPORTS OF
SPANISH CIVILIANS ARE BEING INVESTIGATED. ONE OF THESE, A REPORT BY
A FISHERMAN, WOULD INDICATE THAT WEAPON STRUCK WATER ABOUT FIVE
MILES OFF SHORE AND SANK. IN THE LIGHT OF AIRCRAFT DEBRIS PATTERN
THIS IS POSSIBLE. ANOTHER IS A REPORT BY A SHEPARD WHO WAS SITUATED
IN THE HILLS NEAR THE CRASH. HE REPORTS HAVING SEEN A WHITE DOUBLE
PARACHUTE OF A VERY LARGE SIZE WITH AN OBJECT DANGLING FROM IT. THIS
TOO IS POSSIBLE AND INTERROGATION PERSONNEL ARE CONTACTING WITNESSES.
WEAPON REFERRED TO IN 16 AFSSSG 85032, PAC A, HAS BEEN RECOVERED
AND IS LOADED ON TRUCK WEAPON IN DATA D CITED MSG ALONG WITH ALL

showing

⑨ ②

BE FOUND, IS ALSO LOADED. WEAPON IN PARA C. ~~READY FOR LOADING AND AWAITING ARRIVAL OF 1 CR. THERE ARE NO~~
ROADS. IS THIS AREA OF VERY STEEP AND ROCKY HILLS. USE OF HELICOPTER
FOR RECOVERY WAS CONSIDERED UNDESIRABLE SINCE DUST COULD SPREAD CONTAM-
INATION AND HELICOPTER WOULD OF NECESSITY PASS NEAR GARDEN PLOTS IN
AREA. EXPECT TO REMOVE WEAPON AND DEBRIS BY 1100Z, 20 JANUARY. ALL MA-
TERIAL WILL BE TRUCKED TO SAN JAVIER ON THE AFTERNOON OF 20 JANUARY
AND IMMEDIATELY LOADED ABOARD WAITING C-124 FOR TRANSPORTATION TO
TORREJON. MATERIAL WILL BE PLACED IN AN IGLOO ALREADY CLEARED FOR
THAT PURPOSE. CHARGING AND DISPOSITION WILL BE IN ACCORDANCE WITH EX-
ISTING DIRECTIVES. THE ONLY DAMAGE TO PROPERTY IS IN THE VILLAGE OF
PALAMARES WHICH HAS A POPULATION OF ABOUT 300 PERSONS. ONE WEAPON IM-
PACTED IN A GARDEN PLOT WITHIN THE VILLAGE WITH A LOW-ORDER DETONATION
OF A PORTION OF THE HE. A DOOR OF A NEARBY HOUSE IS REPORTED TO HAVE
BEEN BLOWN IN. NO PERSONNEL WERE INJURED. EXACT READINGS ARE BEING
TAKEN IN CONCENTRIC CIRCLES ABOUT THE POINT OF IMPACT TO INSURE PRECISE
PLOTING OF RADIATION COUNT. BIO-ENVIRONMENTAL PERSONNEL HAVE ADVISED
THAT THERE IS NO HAZARD TO PERSONNEL IN AREA EXCEPT THROUGH
INGESTION OF CONTAMINATED VEGETABLES OR ANIMALS WHICH HAVE EATEN
CONTAMINATED VEGETATION. WITH THE ASSISTANCE OF THE GUARDIA CIVIL
AND THE VILLAGE MAYOR, STEPS HAVE BEEN TAKEN TO KEEP ALL PERSONNEL
OUT OF THE HAZARDOUS AREA. ADDITIONALLY, CROPS AND ANIMALS BELIEVED
CONTAMINATED ARE BEING PURCHASED WITH CASH PAYMENTS TO OWNERS. CRASH
AREA IS QUITE REMOTE. CLOSEST TELEPHONE TO VILLAGE OF PALAMARES IS AT
CUEVAS DE ALMAZORA, ABOUT 30 MINUTES DISTANCE BY JEEP. PEOPLE ARE
QUITE CURIOUS AND MOST, AT LEAST AT THE PRESENT, SEEM TO ENJOY THE
EXCITEMENT. IT IS DOUBTFUL THAT MANY UNDERSTAND THE NUCLEAR ASPECTS
OF THE CRASH; HOWEVER, THEY APPRECIATE THAT THE SITUATION IS UNUSUAL.
PERHAPS THE FOLLOWING WILL CAST SOME LIGHT ON ATTITUDE OF PEOPLE AND
OFFICIALS. THE MAJOR, HAVING NOTICED THE EXTENSIVE USE OF DETECTION
EQUIPMENT, ASKED FOR A CHECK OF HIS HANDS. A LEADING VILLAGE CITIZEN
WITH HIM ASKED THAT HIS HAIR BE CHECKED. CHECKS WERE VISIBLY NEGATIVE (10)

DEPARTING JOKING ABOUT THE GRAY HAIR OF ONE OF THEM. THIS INFORMATION
TO SAY THAT THERE IS NO CONCERN AND THAT THERE WILL NOT BE ANY MORE
EXCITEMENT DIES DOWN. IT WAS NOTED THAT SPANISH CIVILIANS AND GUARDIA
CIVIL REFERRED TO THE WEAPONS AS MISSILES RATHER THAN BOMBS. THE
GUARDIA CIVIL AND THE SPANISH AIR FORCE HAVE BEEN EXTREMELY HELPFUL
AND ANXIOUS TO SUPPORT THE EFFORT. THE ABOVE INFORMATION WAS
RETURNED FROM THE CRASH SITE BY MAJOR GENERAL BECK, HQ SAC.
SPANISH AEC PERSONNEL ON SITE 16AF HEALTH PHYSICIST ASSISTING
THEM IS SETTING UP URINANALYSIS CHECK OF SPANISH PERSONNEL WHO
LIVE IN PROXIMITY TO ONE IMPACT AREA IN THE PUEBLO OF PALOMARES.

GP-1.

BT

~~GROUP 1~~
~~EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION~~

~~RESTRICTED DATA~~

~~SECRET~~

(11)

PRIORITY

CONFIDENTIAL 2422

20 JAN 66 00 03

EJL108574JEC757

DASA

PP RUEPWZ

DE RUEAHQ 253 0192211

ZNY SSSSS

P 192152Z

FM CSAF

DASA 00819

TO ZEN/JOINT CHIEFS OF STAFF WASH D C

RUEPWZ/DIRECTOR DASA WASH D C

~~THIS DOCUMENT CONSISTS OF 2 PAGES~~
~~NO 2 OF 2 PAGES, SERIES A~~

~~RUEPWZ~~/JOINT NUCLEAR ACCIDENT COORDINATING CENTER SANDIA BASE NM
RUCKPG/US NAVY EXPLOSIVE ORDNANCE DISPOSAL FACILITY ICDIAN HEAD MD
INFO RUCSC/SAC

~~EXCLUDED FROM AUTOMATIC
DECLASSIFICATION SCHEDULE~~

BT

~~SECRET RESTRICTED DATA~~ -ATOMIC ENERGY ACT OF 1954 -

AFSSSG 85032. JAN 66. SUBJECT: SUPPLEMENTAL REPORT NUMBER 2
OF NUCLEAR ACCIDENT; REPORT CONTROL SYMBOL DD-SD(AR)382. REFERENCES
AFSSSG 84803 AND 84948, JAN 66. FOLLOWING REPORT IS SUBMITTED IN AC-
CORDANCE WITH SECTION IV, DEPARTMENT OF DEFENSE INSTRUCTION NO.
7730.12 DATED JULY 27, 1962, AND SEC DEF MSG DEF 1972 FROM ATSD(AE).

A. ONE WEAPON APPROXIMATELY 200 YARDS ON SHORE IN A TRUCK GARDENING
AREA. NO HABITATIONS IN IMMEDIATE VICINITY; CHUTE DEPLOYED ON IM-
PACT. WEAPON DID NOT BREAK UP. NO RADIATION EFFECTS IN AREA.

B. ANOTHER WEAPON LOCATED APPROXIMATELY TWO MILES NORTHWEST OF PILOT
IN A VEGETABLE GARDEN WITHIN ~~PILOT CHUTE~~ PILOT CHUTE
DEPLOYED ON IMPACT. WEAPON BADLY BROKEN UP. SECONDARY EXPOSED. PILOT
NOT LOCATED AND APPARENTLY DESTROYED. CONSIDERABLE HE RECOVERED.

ALPHA IN GENERAL AREA OF IMPACT MEASURED AT 5000 COUNTS PER MINUTE
WITH A MAXIMUM OF 185,000 CPM IN IMMEDIATE VICINITY OF WEAPON REM-
NANTS. BITS OF WEAPON COMPONENTS READ IN EXCESS OF TWO MILLION CPM.

DEMOMUA

~~FOR CLASSIFIED FILES COPY~~

~~PC 00000000~~

ATED AREA BEING BOUGHT AND WILL BE DESTROYED. DECONTAMINATION WILL BE EFFECTED IN ACCORDANCE WITH USAF T.O. 00-110A-5.

C. OTHER WEAPON LOCATED ABOUT ONE MILE WEST OF PUEBLO PALAMARES IN AN UNINHABITED AREA. WEAPON CONDITION SIMILAR TO ABOVE. PORTION OF PIT HAS BEEN RECOVERED. AREA IS ROCKY AND SUPPORTS NO VEGETATION. DETERMINATION OF DECONTAMINATION REQUIREMENTS IS UNDERWAY.

D. ALL AREAS WHERE WEAPONS OR COMPONENTS LOCATED ARE UNDER GUARD.

E. REMAINING WEAPON STILL UNACCOUNTED FOR. SEARCH IS CONTINUING.

F. OF THE THREE WEAPONS LOCATED, ONE HAS A READABLE NUMBER WHICH IS 54327. TWO U.S. NAVY MINESWEEPERS, EQUIPPED WITH SONAR, FROM BARCELONA, SPAIN, HAVE BEEN REQUESTED AND SHOULD BE ON THE SCENE IN 36 HOURS TO AID IN UNDERWATER SEARCH. AIRCRAFT WRECKAGE IS STREWN OVER A LARGE AREA, ALONG LINE OF FLIGHT, APPROXIMATELY FIVE MILES LONG. ALL RESIDUE WILL BE RECOVERED, PACKAGED, AND RETURNED TO SILAS MASON, AMARILLO, TEXAS.

G. THERE HAS BEEN EXTENSIVE COVERAGE IN THE SPANISH PRESS 17-19 JAN, WITH PHOTO COVERAGE OF SCENE IN LATER ISSUES. HOWEVER, STORIES DO NOT CARRY CRITICAL COMMENT AND ARE BEING TREATED SIMPLY AS AN UNUSUAL NEWS EVENT. AMERICAN EMBASSY OFFICIALS REPORT SPANISH FOREIGN OFFICE IS OF THE OPINION THAT COVERAGE HAS REACHED ITS PEAK AND WILL NOW DECLINE. STRAIGHT ACCOUNTS APPEARED ON THE INSIDE PAGES OF THE 18 JAN ISSUES OF THE PARIS EDITION OF NY TIMES AND TRIBUNE. ISSUES OF 19 JAN DID NOT CARRY ANY REFERENCE TO THE ACCIDENT. FILM FROM ACCIDENT SCENE HAS APPEARED ON SPANISH NATIONAL TV AND ACCOUNTS HAVE BEEN REPORTED OVER SPANISH RADIO, AGAIN WITH NO CRITICAL COMMENT. QUERIES FROM AMERICAN NEWS BUREAUS IN MADRID HAVE DIMINISHED APPRECIABLY. REPRESENTATIVES OF UPI AND THE LONDON DAILY MIRROR HAVE BEEN REPORTED ON THE SCENE THIS DATE.

H. GENERALLY SPEAKING THE CRASH SITE AREA IS LOCATED IN A SPARSELY-POPULATED, REMOTE AREA OF SPAIN

I. PARAGRAPHS A THROUGH E ARE A DIRECT QUOTATION OF A LETTER FROM GENERAL BECK TO CINCSAC, HAND-CARRIED TO HEADQUARTERS 16 AF FROM THE

BT

[REDACTED]

RESTRICTED DATA
ATOMIC INFORMATION 1984

SECRET

[REDACTED] 20085 (8)

~~RESTRICTED DATA~~

RTS2YUW RUVKADA8447 2891434-SSSS--RUWMAF
ZNY SSSSS
R 161425Z OCT 75
FM DIR SP WPNS KELLY AFB TX/SWPTR
TO FC DNA KIRTLAND AFB NM/FCR
BT

FCSD-A2

~~SECRET~~ RESTRICTED DATA ATOMIC ENERGY ACT 1954.
YOUR FCR 151752Z OCT 75 REQUEST FOR RETRANSMITTAL OF INITIAL
INCIDENT REPORT PER MY SWPTR 101830Z OCT 75. FOLLOWING IS MESSAGE
RETRANSMITTED.

SUBJECT REQUEST FOR GUIDANCE (U)

1. ~~ON~~ ON 8 OCT 75 WHILE IN THE PROCESS OF MOVING A PT TRANSPORTER.
CONTAINING A MARK 12 WAR RESERVE RE-ENTRY SYSTEM THE PT DISCONNECTED
FROM THE TRACTOR'S FIFTH WHEEL AND CAME TO REST ON THE AFT SECTION OF
THE TRACTOR CARRIAGE. SPEED OF THE TRACTOR-PT AT THE TIME OF THE INCI-
DENT WAS LESS THAN FIVE MILES PER HOUR. THE PT'S RS PALLET AIR SUSPEN-
SION SYSTEM WAS FULLY OPERATIONAL AT THE TIME.

(W-62)

3. (SRD) A VISUAL INSPECTION OF THE EXTERIOR SURFACES AND T-290
AIR MONITOR WAS CONDUCTED BY TRAINED 463X0 NUCLEAR WEAPON MAINTEN-

DNA
(b)(3)

PAGE2 RUVKADA8447 S E C R E T RD
ANCE PERSONNEL, NO VISUAL SIGNS OF DAMAGE WERE PRESENT. DISASSEMBLY.
IS IN PROGRESS TO DETERMINE POSSIBILITY OF ANY INTERNAL DAMAGE. IN
ADDITION THE ECTS SAFETY AND CONFIDENCE MONITOR ELECTRICAL CHECKS
WERE PERFORMED, RESULTS WERE SATISFACTORY. TARGETING ELECTRICAL TEST
WAS SATISFACTORY. RV FINAL ASSEMBLY CHECK ELECTRICAL TEST WAS SATIS-
FACTORY.

DNA
(b)(3)

4. (SRD) DUE TO THE POSSIBILITY THE SYSTEM WAS SUBJECTED TO UNUSUAL
STRESS/ENVIRONMENT, SHOULD THE WARHEADS BE REJECTED AND RETURNED TO
DEPOT FOR FURTHER INSPECTION AND TESTING

5. (SRD) PENDING INSTRUCTIONS THE WARHEADS
FORWARD SHROUD ROCKET MOTOR WITH INITIATOR WILL BE CONSIDERED REJECTS
AND HELD PLEASE ADVISE DISPOSITION OF THESE ITEMS.

6> (U) AFR 127-4 REPORT IN PROGRESS.

BT
#8447

NNNN#

~~RESTRICTED DATA~~
This document contains restricted
Data concerning the Atomic Energy
Act of 1954. Its dissemination or use,
except as authorized, is
prohibited.

ACTION	INFO
FCSD	FCSD
FCPP	FCPSM
	FCI
	FCPF
	ERDA

THIS DOCUMENT CONTAINS RESTRICTED DATA

~~RESTRICTED DATA~~
ATOMIC ENERGY ACT 1954

ROUTINE

*

ROUTINE

PT 8

RTTZYU RUVKADAB097 2831846-5525

ZNY 1525

R 101800Z OCT 75

FM JCRC AFB KIRTLAND AFB NM/FC

TO FC DMA KIRTLAND AFB NM/FC

BT

RE: [REDACTED]

FROM: [REDACTED]

SUBJECT: [REDACTED]

1. [REDACTED]

2. [REDACTED]

3. [REDACTED]

4. [REDACTED]

5. [REDACTED]

6. [REDACTED]

7. [REDACTED]

8. [REDACTED]

9. [REDACTED]

10. [REDACTED]

11. [REDACTED]

12. [REDACTED]

13. [REDACTED]

14. [REDACTED]

15. [REDACTED]

16. [REDACTED]

17. [REDACTED]

18. [REDACTED]

19. [REDACTED]

20. [REDACTED]

21. [REDACTED]

22. [REDACTED]

23. [REDACTED]

24. [REDACTED]

25. [REDACTED]

26. [REDACTED]

27. [REDACTED]

28. [REDACTED]

29. [REDACTED]

30. [REDACTED]

31. [REDACTED]

32. [REDACTED]

33. [REDACTED]

34. [REDACTED]

35. [REDACTED]

36. [REDACTED]

37. [REDACTED]

38. [REDACTED]

39. [REDACTED]

40. [REDACTED]

41. [REDACTED]

42. [REDACTED]

43. [REDACTED]

44. [REDACTED]

45. [REDACTED]

46. [REDACTED]

47. [REDACTED]

~~RESTRICTED DATA~~

~~ATC NO ENERGY ACTING~~

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1-FCP/RE

2-FCP/ST

This material contains Restricted Data

Closure

Prohibition

10130004

ROUTINE

LINE

~~RESTRICTED DATA~~

PT 07475

RTTSZYU RUVKADA9219 2011730-5555--RUMHAF RUMHAF02

ZNY 55555

R 201630Z OCT 75

FM DIR SP MPNS KELLY AFB TX/EMPT

TO RUMHAF/EC DINA KIRLAND AFB TX/ECPSM

INFO

BT

S ~~RESTRICTED DATA~~ ATOMIC ENERGY ACT 1954

SUBJECT: C/N MS 10-20-75

REPORTS FOLLOWING CONDITION NOTED DURING
T290 MONITORING OF MS2-2, SN 557817, MR. RESERVOIR,
SN DAF 5350-J73, REMOVAL FOR ANTENNA REPLACEMENT.
THE RESERVOIR WAS ROTATED COUNTERCLOCKWISE ONE TURN
AND NO T290A INDICATION WAS NOTED AFTER APPROXIMATELY
A ONE MINUTE WAIT. WHEN THE RESERVOIR WAS REMOVED FROM
THE WARHEAD, A DEFLECTION OF 2.9 WAS NOTED ON THE T290A.
THE RANGE SELECTOR SWITCH WAS IN THE K10 POSITION AND
THE FLEXIBLE HOSE WAS NEAR THE OPENING OF THE EXPLOSIVE
ACTUATED VALVE. THE T290A HAD BEEN IN OPERATION APPROX-
IMATELY THREE MINUTES AND THE NEEDLE HAD DRIFTED TO
APPROXIMATELY TWO DIVISIONS BELOW ZERO. EXPOSURE TIME
2 MINUTES. THE BUILDING WAS EVACUATED, EEO NOTIFIED

DNA
(b)(3)

FCPSM	FCO
	FCPP

PAGE 2 RUVKADA9219

AND RESPONDED WITH NO RESIDUAL MEASUREMENT OBTAINED.
EXPOSED PERSONNEL WERE SENT TO RADIOLOGICAL HEALTH LAB
FOR TESTING. MS2 IS IN YELLOW STATUS. REQUEST EVALUATION
AND COMMENTS. IT APPEARS MEASUREMENT OBTAINED IS FROM
TRITIUM DIFFUSION AS EXPLAINED IN PARA 5-6.2, TO 11N-
ED-7. ALTHOUGH MEASUREMENT REPORTED MAY BE HIGHER
THAN ANTICIPATED.

BT

N9219

NNNN

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This material contains restricted
information in the Atomic Energy
Act of 1954. It is to be controlled
according to the provisions of the
prohibition.

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FC DNA
UP 66W105

~~RESTRICTED DATA~~

ROUTINE

RR RR

SSSS

292027Z OCT 75

DIR OF NUCLEAR SURETY KIRTLAND AFB NM/SNA
7000 MUNSS RAMSTEIN AB GE/CC/ELO
CINCUSAFE RAMSTEIN AB GE/IGF/LGW

INFO:

USCINCEUR VAIHINGEN GE/ECJ4/7
DIR SP WPNS KELLY AFB TX/SWPTB
SANDIA LABS ALBUQUERQUE NM/DIV 4323
FCDNA KIRTLAND AFB NM/FCPSM (POSTAL)

~~SECRET FORMERLY PROTECTED DATA ACQUISITION ENERGY ACT 1954~~

SUBJ: ~~SECRET~~ DULL SWORD REPORT 75-1

1. REFERENCES: (U) A. ~~SECRET~~
(U) B. DSW MSG 231927Z OCT 75. (U) C. OUR MSG 242130Z
OCT 75.

2. ~~SECRET~~ DUE TO THE POSSIBILITY THAT THE WEAPON INVOLVED
IN SUBJECT DULL SWORD MAY HAVE BEEN DAMAGED, AND THE
MALFUNCTION MAY PROVIDE AN INDICATION TO THE CAUSE OF
THE PROBLEMS ENCOUNTERED ~~SECRET~~
REQUEST YOU PERFORM A THOROUGH EVALUATION OF THE WEAPON
SYSTEM(S) INVOLVED.

AF Scty Clas Guide
for Nuc Wpns, May 73

CLASSIFIED BY ~~SECRET~~

GORDON G. DAVIS, MAJOR, SNAA,
-0176, 29 OCT 75

GERALD L. HITT, LT COL, SNAM, 0488

THIS DOCUMENT CONSISTS OF 2 PAGES(S)
NO. 1 OF 2 PAGES(S)

75-099

[REDACTED]

MR. GERALD A. VILLANE, SANDIA LABORATORIES,
IN 131-22-3464, CLEARED COSMIC ATOMAL TOP SECRET
(AEC FM 277 FORWARDED [REDACTED] SEPARATELY),
WILL BE AVAILABLE TO ASSIST YOU IN THIS EVALUATION
THE WEEK OF 17 NOVEMBER 1975. REQUEST THEATER
CLEARANCE FOR MR. VILLANE. INCLUDE [REDACTED]
3. (U) A T-448 TESTER WITH TEST LEADS, ONE
ALT 290 G6129 GAGE, AND PROCEDURES WILL BE
AVAILABLE TO COINCIDE WITH MR. VILLANE'S VISIT
THE WEEK OF 17 NOVEMBER 1975.

[REDACTED]

[REDACTED]

tain for Reference for N.T.S.

Go/

PRIORITY

20 JAN 66 04 44

JAZ RUWJPFA8302 0191951-SSSS--RUWJFOA.

~~REMOVED FROM / NEOMETRY~~
~~RECORDING; DON LK SAYS~~
~~DOES NOT FILE~~

SZ

ECTORATE SPECIAL WEAPONS KELLY AFB TEXAS

DASA SANDIA BASE ALBUQUEQUE NMEX

THIS DOCUMENT CONSISTS OF 176 PAGE(S)
NO. 11 OF 11 COPIES, SERIES

~~SECRET~~ ~~FORMERLY RESTRICTED DATA~~ SAWPTW 30430 JAN 66

075. 1. PRELIMINARY REPORT OF NUCLEAR ACCIDENT (BROKEN ARROW)

1) DUE TO LACK OF ON SCENE COMMUNICATIONS FOLLOWS: (MSG 16AF

5, 18 JAN 66 ASSIGNED CONTROL TO NSL-4-66). SPECIAL HANDLING

IAW AFR 127-4. QUOTE:

0922Z JAN 66 SADDLE ROCK AIR REF-

AREA, PSAIN COORDINATES 3714N/0149W APPROXIMATE CENTER OF
AGE ON GROUND; WRECKAGE COVERS APPROXIMATELY IS QQ16 SQUARE MILES.

1K 2S MOD 2FT SERIAL NUMBERS UNKNOWN W/R. DAMAGE UNKNOWN

ATED DAMAGE UNKNOWN.

~~SECRET~~

9-6-4995
WPN5 DISCREP

44

John

PAGE 3 RUWJFFA830

PORTS OF SOME SURVIVORS. AN AIR FORCE ACCIDENT INVESTIGATION TEAM HAS BEEN DISPATCHED TO THE SCENE. ADDITIONAL DETAILS WILL BE MADE AVAILABLE AS THE INVESTIGATION PROGRESSES.

N. NO

O. ROSS C. COX, CAPT, DSG, 3445/3113.

P. REPORT IAW AFR 127-4 PARA 17A(2) ATTACHMENT 4,6.) UNQUOTE.

2. SUP REPORT NO 1 C/SG 16AF DS09006 19 JAN9 QUOTE:

A. NO CHANGE.

B. A MK 28 MOD 2 FT. SERIAL NUMBERS 45345, 54327, 434879, 330448. THREE OF THE ABOVE WEAPONS HAVE BEEN LOCATED AND SECURED BY USAF PERSONNEL. THEY LIE ALONG A LINE ORIENTED ALONG 30 300 DEGREES. THE FIRST WEAPON IS APPROXIMATELY 1000 YARDS FROM THE SHORELINE; THE SECOND WEAPON ONE MILE FURTHER IN LAND; THE THIRD WEAPON AND ADDITIONAL MILE FURTHER WEST FROM THE SECOND WEAPON. THEY ARE LOCATED IN THE GENERAL AREA OF THE B-52 DEBRIS, BUT INDICATIONS ARE THAT THEY FELL FREE. THE FOUR-WEAPON PACKAGE APPARENTLY BROKE UP IN THE AIR. STARTING FROM THE COASTLINE, THE FIRST WEAPON IN-LAND IS BENT BUT INTACT; THE SECOND AND THIRD WEAPONS IN-LAND ARE BADLY DAMAGED. THE SECOND ARIES ARE BROKEN OPEN. THE PRIMARIES ARE VIRTUALLY DESTROYED. PIECES OF

P3

~~SECRET~~

1-6-49

PAGE 4 RUWJPF8302 [REDACTED]

EVIDENT. THE PILOT CHUTE ON ALL THREE WEAPONS DEPLOYED OR POPPED OUT, PERHAPS ON IMPACT, BUT THE MAIN CHUTES DID NOT DEPLOY. THE FOURTH WEAPON HAS NOT BEEN LOCATED, WHICH SUGGESTS THE STRONG POSSIBILITY IT IS IN THE WATER. THE ABOVE IS REPORTED BY THE DEPUTY COMMANDER OF 16AF BASED ON INFORMATION REPORTED OVER VERY MARGINAL COMMUNICATIONS AND IS, THEREFORE, SUBJECT TO RE-EVALUATION AND CLARIFICATION.

E THRU J. NO CHANGE.

K. THERE IS EVIDENCE OF SOME HE DETONATION. THERE IS SOME RADIATION INVOLVED. TYPES AND INTENSITIES ARE UNKNOWN AT 16AF HEADQUARTERS DUE TO POOR COMMUNICATIONS WITH CRASH SITE.

L THRU N. NO CHANGE.

O. CAPTAIN ROSS C COX, 16AF, DIRECTORATE OF SAFETY, EXT 3445 OR 3113. REPORTED IAW AFR 127-4, PARA 17A(2).

UNQUOTE.

EP-1.

BT

PY

[REDACTED]

1-6-4995

SECRET

ON INFO

01238

SE-9
TG-10, 11
DU-12, 13, 14
Am-10

TYPE MSG BOOK MULTY SINGLE

PRECEDENCE

ACTION IMMEDIATE

INFO DTG

FROM: DIR NUCLEAR SAFETY KIRTLAND AFB NMEX

SPECIAL INSTRUCTIONS

TO: 16AF TORREJON AB SPAIN

INFO: OSD WASH DC

CSAF

DEP IG FOR INSP AND SAFETY USAF NORTON
AFB CALIF

FC/DASA SANDIA BASE NMEX (MESSENGER)

SANDIA CORP SANDIA BASE NMEX (MESSENGER)

AEC/ALO SANDIA BASE NMEX (MESSENGER)

CNO WASH DC

CINCLANTFLT NORFOLK VA

~~SECRET - RESTRICTED DATA - ATOMIC ENERGY ACT 1954~~

AFINS *0054* Jan 66, For: 16AF (C and ADVON);

OSD (Asst Sec of Def for Atomic Energy/Mr. [redacted]); CSAF

(AFIIS, AFIGO), D/G/IS (AFIDI, AFIDIAS), FC/DASA (JNACC)

Sandia Corp (Div 9300 and Dep 1540/Mr. S.A. Moore); AEC/

ALO (Mr. Walter F. White). 16AF pass to Generals Wilson

and Beck. Subject: Analysis of Airplane Collision Near

Vera, Spain by Sandia Corporation Team (Msg No. 3). Your

D R A F T	TYPED NAME AND TITLE	PHONE	SIGNATURE
	JOHN O. MITCHELL, Lt Col USAF	2055	<i>[Signature]</i>
SECURITY CLASSIFICATION		DATE	
[redacted]		[redacted]	

JOINT MESSAGEFORM - CONTINUATION SHEET

SECURITY CLASSIFICATION

FROM:

DIR NUCLEAR SAFETY KIRTLAND AFB NMEX

C-00030, 24 Jan 66. Our mapping of locations of aircraft and bomb debris from your referenced message indicates that probable B52 aircraft ground track after collision was 275 degrees true rather than the 300 degrees true heading used in our first analysis. This 275 degree heading was primarily based on impact locations of units 2 and 3, ADMS, and heavy parts of aircraft. Latest trajectory calculations indicate that probable aircraft collision point was approximately 37 degrees 14.7 minutes north latitude and 01 degree 43.1 minutes west longitude or a true azimuth of 095 degrees plus or minus 10 degrees and range of 19,500 plus or minus 4000 feet from unit 3, Pueblo of Palomares. This calculation was based on your revised wing profiles for time of collision, a 275 degree aircraft heading at 30,500 feet altitude and TAS of 716 ft/sec and by backing up normal free fall trajectories from impact points of units 2 and 3. Impact point of unit number one appears reasonable from trajectories computed assuming an unstable or coning vehicle.

Trajectory of unit number four computed assuming loss of tail plate at collision and immediate deployment of 16 foot ribbon parachute. Our best estimate of unit four impact point is approximately 37 degrees 13.9 minutes north latitude and 01 degree 41.3 minutes west longitude or a true azimuth of 103 degrees and range of 29,000 feet.

SYMBOL 1-150

NO. OF
PAGES

SECURITY CLASSIFICATION

1-6-2850

DD FORM 173-1

FROM

DIR NUCLEAR SAFETY KIRTLAND AFB NMEX

from unit 3, Pueblo of Palomares. The approximate dispersion is a one mile radius circle about the probable impact point of unit four. We will forward constructed map showing location of debris and our estimates of collision point and impact points. We are aware of theory of possible high explosive detonation of number four at time of collision. If only the unit four case were suspended on either the 16-foot or 64-foot parachute, it would drift out at least as far as the survivors. Gp-1.

1-6-5850

APPROVED

PAGE

NO. OF

SECURITY CLASSIFICATION

DD FORM 173-1

~~SECRET~~
~~SECRET~~

~~SECRET~~

PRIORITY

NNNNVPUA138 TUA047TIE763

20 JAN 66 00 21

PP RUWPUJ

DE RUEAHG 177 019203

ZNY SSSSS

P 192034Z

FM CSAF

ACTION

INFO

OP-7,8

SE-9

TG-10,11

DV-12,13,14

AM-15

TO ZEN/JOINT CHIEFS OF STAFF WASH DC

DEPWZ/DIRECTOR DASA WASH DC

RUWPUJ/JOINT NUCLEAR ACCIDENT COORDINATING CENTER SANDIA BASE N M

RUCKPG/U S NAVY EXPLOSIV ORDNANCE DISPOSAL FACILITY INDIAN HEAD MARYLAND

BT

AFSSG BIRORI JAN 66. SUBJECT: SUPPLEMENTAL REPORT NUMBER
OF NUCLEAR ACCIDENT; REPORT CONTROL SYMBOL DD-SD(A) 382; REFER-1
ENCE AFSSG 8483 JAN 66. FOLLOWING REPORT IS SUBMITTED IN
ACCORDANCE WITH SECTION IV, DEPARTMENT OF DEFENSE INSTRUCTION NO.
7734.12 DATED JULY 27, 1962.

DATE AND TIME: NO CHANGE.

LOCATION: SADDTE ROCK AIR REFUELING AREA. DRAIN COORDINATES
N/0149W APPROXIMATE CENTER OF WRECKAGE ON GROUND; WRECKAGE

APPROXIMATE CENTER OF WRECKAGE ON GROUND

15654957

~~SECRET~~

SECRET

PAGE BN RUEAHQ 177

~~RESTRICTED DATA~~

3. QUANTITY AND TYPE OF WEAPONS: FOUR WAR RESERVE MK 28-11 MOD FI. SERIAL NUMBERS: 45345, 54327, 434379, 330448.
4. PROPERTY DAMAGE AND/OR PERSONNEL CASUALTIES: THE B-52 COLLIDED WITH KC135 DURING AIR REFUELING; BOTH AIRCRAFT DESTROYED; BR E-3 CREW MEMBERS HOSPITALIZED; 7 FATALITIES, BODIES RECOVERED.
5. TYPE OF CARRIER INVOLVED: NO CHANGE.
6. TYPE OF OPERATION: NO CHANGE.
7. WHETHER WEAPON BURNED, DETONATED, OR WAS EXPOSED TO FIRE: WEAPONS HAVE BEEN LOCATED AND SECURED BY USAF PERSONNEL. TWO OTHER 2 GIVE EVIDENCE OF SOME HE DETONATION.
8. DETAILS OF ANY EXISTING NUCLEAR HAZARD AND RADIATION READINGS: APPLICABLE. THERE IS EVIDENCE OF SOME RADIATION; TYPES AND INTENSITIES ARE UNKNOWN.
9. CONDITION OF WEAPONS. THE THREE WEAPONS LOCATED LIE ALONG A LINE ORIENTED ALONG 300 DEGREES, THE FIRST WEAPON IS APPROXIMATELY 400 YARDS FROM THE SHORELINE; THE 2ND WEAPON ONE MILE FURTHER INLAND; THE THIRD WEAPON AN ADDITIONAL MILE FURTHER WEST FROM THE SECOND WEAPON. THEY ARE LOCATED IN THE GENERAL AREA OF THE B-52 DEBRIS BUT INDICATIONS ARE THAT THEY FELL FREE. THE FOUR WEAPON PACKAGE APPARENTLY BROKE UP IN THE AIR STARTING FROM THE SHORELINE. THE FIRST WEAPON FELL INLAND.

P2

6-49

~~SECRET~~

~~RESTRICTED DATA~~

BENT BEST INTACT. THE 2ND AND 3RD XWEAPONS INLAND ARE BADLY DAMAGED; THE SECONDARIES ARE BROKEN UP, THE PRIMARIES ARE VIRTUALLY DESTROYED; PIECES OF HIGH EXPLOSIVE ARE EVIDENT. THE HINMT CHUTE ON ALL THREE WEAPONS DEPLOYED OR POPPED OUT, PERHAPS ON IMPACT, BUT THE MAIN CHUTES DID NOT DEPLOY. THE FOURTH WEAPON HAS NOT BEEN LOCATED, WHICH SUGGESTS THE STRONG POSSIBILITY IT IS IN THE WATER. OWING TO MARGINAL COMMUNICATIONS ^{THE INFORMATION IS SUBJECT TO REFINEMENT AND CLARIFICATION.} THIS INFORMATION IS SUBJECT TO REFINEMENT AND CLARIFICATION.

10. CORRECTIVE ACTION RECOMMENDED: NO CHANGE.

11. COPY OF NEWS RELEASES: JOINT STATEMENT APPROVED BY USIS, DOD, STATE DEPT. RELEASED 2145 17 JAN 66 TO UPI, AP, REUTERS, ABC STAR AND STRIPES. A B-52 BOMBER FROM THE 68TH BOMB WING, SEYMOUR JOHNSON AFB, N.C. AND A KC-135 TANKER FROM THE 910TH AIR REFUELING SQUADRON, BERGSTROM AFB, TEXAS, CRASHED TODAY SOUTHWEST OF CARTAGENA, SPAIN, DURING SCHEDULED AIR OPERATIONS. THERE ARE REPORTS OF SOME SURVIVORS. AN AIR FORCE ACCIDENT INVESTIGATION TEAM HAS BEEN DISPATCHED TO THE SCENE. ADDITIONAL DETAILS WILL BE MADE AVAILABLE AS THE INVESTIGATION PROGRESSES.

12. ANY OTHER PERTINENT INFORMATION:

A. CONTINUOUS SEARCH BEING CONDUCTED.

B. USAF EOD TEAM ON SCENE

C. MEDICAL AND SECURITY FROM WQY AF AND SPANISH RESOURCES. GP-1.

BT

P3

~~SECRET~~

1-6-4957

~~SECRET~~
~~SECRET~~

R
[REDACTED]
28 JAN 66 09 10
1017
RTS JAZ RUWJFPA8612 024185 0-SSSS--RUWJFOA

ZNY SSSSS

R-241826Z

FM DIR SPEC WPNS KELLY AFB TEX

TO RUWJFOA/FC DASA SANDIA BASE ALBUQUERQUE NMEX

BT

ACTION

INFO

OP-78 SE-9
TG-10, 11
DV-12, 13
AM-15

3046Z JAN 66. SECTION ONE OF TWO.

FOR PCOPS. PROGRESS REPORT OF BROKEN ARROW CONTROL NO NS1-4-66

FOLLOWS: SPECIAL HANDLING REQD IAW AFR 127-4. QUOTE:

A TAIL CLOSING PLATE ATTACHED TO THE AFT RING OF THE MDF

HOUSING, AND IDENTIFIED AS A PART OF WEAPON NUMBER FOUR, WAS FOUND WITHIN

HE

BT

DISASTER CONTROL BIVOUAC AREA. EFFORTS WILL BE MADE TO

DETERMINE WHETHER IT WAS BROUGHT IN BY A SEARCHER OR CAME TO REST

AT THE POINT WHERE FOUND. THE POINT IN QUESTION IS SITUATED

ABOUT 100 YARDS FROM THE B-52 TAIL SECTION AND IS GENERALLY

SECRET
SECRET

SUBJECT: SUPPLEMENTARY REPORT NO. 3N(ADVON) OF NUCLEAR
ACCIDENT (BROKEN ROW) (S). SEC DEF FOR ASTD(AE); CSAF AND AFIGO;
AFIIS, AFSSS-AE, AFINS; SAC FOR GEN RYAN AND DO. DM, DOSD: 2,
8AF, 16AF 42, 822, AD (DO, DM, DS,) 68 AND 97BW (DCO, DCM DS)
SCI 2, MCASS; SWVN, OOYS.

THIS CONSTITUTES ADDITIONAL OR CORRECTED INFO TO REPORTS FROM 16
ARVONMSG 0-00010, 23 JAN 66 AND C-00028, 24 JAN 66. THIS REPORT
COVERS REQUIREMENTS OF ATTACHMENT 4, AFR 127-4,

A. NO CHANGE

B. NO CHANGE. WPN NO. 4 MK 28Y1V MOD 2 SER. NO. 45345 HAS NOT
BEEN FOUND

C. NO CHANGE

D. NO CHANGE

E. NO CHANGE

F. INTENSIVE SEARCH OPERATIONS CONTINUE FOR NO. 4 WPN,
ADDITIONAL MEETINGS WERE CONDUCTED WITH SPANISH NUCLEAR
ENERGY COMMISSION REPRESENTATIVES. USAF PERSONNEL ATTENDED
AS WELL AS AEC MEMBERS. A SEPARATE MSG WILL BE FURNISHED
ON THESE MEETINGS SINCE THEY ARE OF A POLICY NATURE.

ADDRESSEES WILL BE LIMITED. NO 2 WPN AREA INFO FOLLOWS.

SUP REPT 2 STATED APPROX THREE QUARTERS OF A MILE FROM

CRATER IN 40 DEGREE AND 55 DEGREE DIRECTIONS READINGS

(ON PAC-IS ALPHA DETECTOR) RANGED FROM 35,000 CPM TO

55,000 CP. DISTANCE HAS BEEN NARROWED DOWN TO APPROX

3000 FEET. CROPS AND SOME HOMES ARE IN THIS AREA.

MONITORING IS CONTINUING IN SURROUNDING AREA. CONDUCTED

WIDE SEARCH TO RECOVER ADDITIONAL WEAPON FRAGMENTS. ONLY

VERY SMALL PIECE OF SCRAP RECOVERED, I. E. APPROX 7 LBS.

NO. 3 WPN AREA INFO FOLLOWS. RESULTS OF FIVE AIR SAMPLES

TAKEN APPROX 200 FT NORTHWEST (SHOULD READ EAST) FROM

CRATER WERE NEGATIVE. MONITORING OF IRRIGATION DITCHES

EAST OF CRATER BETWEEN APPROX 3200' AND 3700' OF IRRIGATION

FO 00700005

ONE AND ONE HALF TONS OF CROPS IN TOTAL WERE
PRESS TO 165 DEGRESS FROM CENTER WERE REMOVED THE TOP
FOX-FIVE ACRES OF CONTAMINATED CROPS THAT HAVE BEEN
ARE AWAITING BURIAL AS SOON AS SPANISH OFFICIALS
AL SITE.
AMINATED CROPS WILL BE DISPOSED OF. CROPS INCLUDE
TOES, BEANS, CAGGABE AND GRAIN.
4 JAN A REVISED ESTIMATE WAS MADE OF EXTENT OF
AMINATED CROPS THAT MUST BE CLEARED SURROUNDING
WPN AREA. APPROX 35 ACRES ARE PRESENTLY INVOLVED
OX (\$14,500.)
2 SAID THERE WAS INDICATION THAT MILK FROM SOME HOMES
NOT BEING PRUCHASED IN LOCAL TOWNS, CURRENT INFO INDICATES
ONLY ONE INDIVIDUAL COULD NOT SELL PART OF MILK IN
OUNDING ARE. THE MAYOR CF PALOMARES SAID THIS WAS THE
CASE. EMERGENCY CLAIM FOR \$66.66 WAS PAID TO THIS
IDUAL3. AREAS COVERED GROUND AROUND TENTS OF COMMAND
EOD. MEDICAL, SUPPLY, FOOD SERVICE, MOTOR POOL, BILLETING
AND DECONTAINATION AREA. ETIRES AND FLOORS OF BUSES
CHICELS WERE MONITORED. SUPPLY AND FOOD SERVICE TENS
MONITORED. ALL READING WERE NEGATIVE. TWO DECON
N HAVE BEEN ESTABLISHED. PERSONNEL RECEIVING CONTAMIN
DURING MONITORING OPERATIONS AND CROP REMOVAL
AMINATED.
NG DETERMINED BY AIRCRAFT ACCIDENT INVESTIGATION BOARD
CHANGE
CHANGE
CHANGE
F ABOVE
CHANGE
CHANGE
CHANGE

AFB, NEBR. V THIS REPORT SUBMITTED FROM SITE OF ACD
NEW ADDRESSEES WILL RECEIVE SUP RPT NO 1 AND 2 FROM HQ

16 AF...GP-1.

BT

~~EXCLUDED FROM AUTOMATIC
DECLASSIFICATION~~

~~SECRET~~

~~RESTRICTED DATA~~

(32)

IMMEDIATE

27 JAN 66 00 46

HQS, DASA

CORRECTED COPY
COMMCHEN 2613

EJL484EUH781CEA227

OO RUEPWZ

DE RUTQBN 8A 0261400

ZNY SSSSS

O 261300Z ZEL

FM 16AF ADVON

TO RUEKDA/SECDEF

RUEAHQ/CSAF

RUWMFNA/DIR NUC SFTY KIRTLAND AFB NMEX

RUWHNF/DEP INSP GEN INSP SFTY NORTON AFB CALIF

RUCVAA/2AF BARKSDALE AFB LA

RUETBH/8AF WESTOVER AFB MASS

RUTQBNA/16AF TORREJON AB SPAIN

RUCVHU/42ADIV BLYTHEVILLE AFB OKLA

RUETSR/822ADVID TURNERY AFB OKLA

RUETFK/68BW SEYMOUR JOHNSON AFB NC

RUEBAA/AFSC

RUCDSQ/AFLC

RUWCH/SAAMA HILL AFB UTAH

RUWMPA/AFSOG HILL AFB UTAH

RUWHHL/00AMA HILL AFB UTAH

RUCSC/HQ SAC OFFUTT AFB NEBR

RUWGNK/OCAMA TINKER AFB OKLA

INFO RUFPBW/USAFE CP

RUCVSK/SAC OTSL CARSWELL AFB TEX

RUEPWZ/FC DASA SANDIA BASE NMEX

BT

DASA 00 50

THIS MESSAGE IS UNCLASSIFIED
NO

*Retrans to DMA/AFSC
CNO 27 Jan 66*

CO 12120005

SUBJ SUPPLEMENTAL REPORT NO. 4 THEATER OF NO. 4
(BROKEN ARROW). SEC DEF FOR ATSD(AE); 441/111
INS/AFINS; SAC FOR GEN RYAN AND NO. 4. DSH
2, 8, 16AF, 42, 822AD (DO, DM, DS); 68 & 97 BW (DC)
SCI2; MCASS; SWVN; OOYS. THIS CONSTITUTES ADDITIONAL
INFO TO REPTS FROM 16AF ADVON HSCS CAGIN, 23
24 JAN 66 AND C00034, 25 JAN 66. THIS REPORT
MENTS OF ATCHM'T 4, AFR 127-4.

A. NO CHANGE

B. NO CHANGE. WPN NO. 4 HX20Y H05 2 300 NO. 43345 H13

C. NO CHANGE

D. NO CHANGE

E. NO CHANGE

F. INTENSIVE SEARCH OPERATIONS CONTINUE FOR NO. 4 WPN ON 25
JAN. TWELVE ADDITIONAL NAVY EOD PERSONNEL ARRIVED AT CAMP SITE
TO JOIN THE SIX ALREADY HERE. SIXTEEN USAF EOD PERSONNEL
ARE AT ACFT SCENE. THEY ARE COMBING NO. 2 AND 3 SITES FOR WPN
FRAGMENTS. EOD, BIO-ENVIRONMENTAL, DISASTER CONTROL, PREVENTIVE
MEDICINE AND OTHER PERSONNEL ARE MONITORING NO. 2 AND 3 WPN
AREAS. ON 25 JAN ANOTHER MEETING BETWEEN USAF PERSONNEL AND
SPANISH OFFICIALS WAS HELD TO DISCUSS STANDARDS FOR DECONTAM-
ION OF NO. 2 AND 3 WPN AREAS. A SEPARATE MSG WILL BE PRO-
VIDED TO LIMITED ADDRESSES ON THIS SUBJECT. NO. 2 WPN AREA IN-
FOLLOWS. MONITORING WITH PAC-11 ALPHA DETECTORS AND
ATTEMPTING TO DEFINE OUTER LIMIT OF CONTAMINATION. MONITORING
40 DEGREE RADIAL FROM WPN CRATER. SUP-3 SAID READING HAS BEEN
REMOVED TO APPROX 3000 FT. THIS HAS CHANGED. READING HAS
BEEN EXTENDED TO APPROX 4000 FT WHERE READING ARE POSSIBLE
ON THE RADIAL. READINGS TO THIS POINT WERE OF VARIOUS LEVELS.
READING IN 18 PLOTS OF VEGETATION CHECKED RANGED FROM BELOW 2000
CPM TO 40,000 CPM. THESE WERE BASED ON 12 READINGS PER PLOT
WHICH WERE THEN AVERAGED APROX 450 FT TO LEFT (BELOW 40 DEGREES)

DEGREES) OF RADIAL THE REMIITY HAS NOT

SWEEP MADE OF AREA IN SOUTHEAST QUADRANT

EIGHTS OF A MILE FROM CRATER. APPROX 22 LBS

FOUND. ONE LARGE PIECE OF WPN CASE ESTIMATE AT 15 LBS.

READ 1,6000,000 CPM. NO. 3 WPN AREA (PALOMARES) INFO

READINGS WERE TAKEN WITH A PAC-13 ALPHA

ON 24 JAN READING AT GROUND ZERO WAS 80,000

DAY 25 GROUND ZERO READING WAS 200,000

DEPICTS A COMPARISON OF READINGS OBTAINED ON 24 AND 25

JAN. AT SPECIFIC HEADINGS AND FOOTAGE FROM GROUND ZERO

	30FT	60FT	90FT	120FT	150FT
DEGREE AND DATE					
30 DEGREES ON 24	110,000	10,000	4,000	650	
30 DEGREES ON 25	110,000	90,000	1,100	350	
80 DEGREES ON 24	100,000	500,000	100,000	40,000	5,000
80 DEGREES ON 25	700,000	600,000	50,000	15,000	5,000
135DEGREES ON 24	500,000	200,000	50,000	4,000	3,000
135DEGREES ON 25	650,000	160,000	40,000	8,250	800
205DEGREES ON 24	11,000	13,000	1,000		
205DEGREES ON 25	25,000	20,000	1,200		
295DEGREES ON 24	45,000	700	150		
295DEGREES ON 25	3,000	2,000	350		
340DEGREES ON 24	200,000	70,000	20,000		
340DEGREES ON 25	110,000	110,000	12,000	5,000	

INTERPRETATION OF ABOVE CHART BY A TECHNICAL AUTHORITY

FIELD (DR. WRIGHT LANGHAM) IS, "READINGS OF THIS NATURE

UNDER FIELD CONDITIONS CANNOT BE TAKEN AS ABSOLUTE. ONLY A

INDICATION OF DISSIPATION CAN BE ASCERTAINED. BASICALLY THE

INDICATES SOME GENERAL DISSIPATION OCCURRING BUT VERY LITTLE

FOUND THREE SMALL DISTORTED PIECES OF WPN CASING WITHIN IMMEDIATE

AREA. READINGS WERE BETWEEN 50,000 AND 130,000 CPM. FOUR AIR

SAMPLES WERE TAKEN APPROX 160 FT FROM CRATER OVER A 50 DEGREE

AND VARIABLE. TWO SAMPLES HAD NO DETECTABLE READINGS. TWO READINGS

ABOUT 50 CPM. CROP PICKERS GLOVES WERE MONITORED. NO

SIGNIFICANT (0-500CPM) READINGS WERE FOUND EXCEPT ON ONE PAIR.

IT READ 15,000 CPM HIGH COUNT ATTRIBUTED TO PICVZTT UP

CONTAMINATED PART. ON 25 JAN FIELD SEARCHERS WERE MONITORED

UPON RETURN. READINGS WERE INSIGNIFICANT (0-200CPM). MOST

READING ARE FOUND ON SHOES.

STARTED TO MONITOR EXTERIOR OF HOUSES AND ROFFS IN VILLAGE

OF PALOMARES FOR CONTAMINATION. FOR MONITORING PURPOSES VILLAGE

WAS DIVIDED INTO QUARTERS. AREA IS WEST OF NO. 3 WPN CRATER.

FOUR TEAM'S WERE USED. EACH TEAM CONSISTED OF TWO SPANISH AND

ONE USAF. READINGS TAKEN EVERY FIVE METERS. RESULTS DOCUMENTED

IN DUPLICATE, ONE FOR SPANISH ONE FOR USAF. NO. 4 WPN CLOEIAG

PLATE ASSY SER NO. MBB2038-K2 WAS LOCATED APPROX 4500 FT FROM

NO. 3 WPN CRATER AT 60 DEGREE RADIAL. IT WAS ON A HILL. IT HAD

BEEN FOUND AND RECOVERED BY A LA GUARDIAS CIVIL TO LOCATION WHERE

FOUND BY USAF SEARCH TEAM. ON 24, 25 JAN MONITORED LARGE AIR-

CRAFT PARTS. COUNTS WERE: B-52 TAIL SECTION, 8000 CPM; FUSELAGE,

300-400 CPM; FRONT OF AFT BOMBAY, 4000 CPM; RIGHT WING, 4000 CPM;

ONE SPOT IN BOMBAY (QUAIL SECTION), 10,000 CPM; ENGINES 5 AND 6,

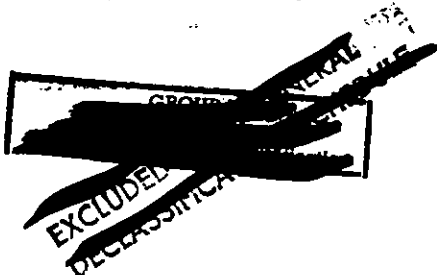
3500 CPM MAXIMUM COUNT; FRONT SECTION ANSNTFRONT BOMBAY SECTION,

NO DETECTABLE READINGS. AS OF 1200 HOURS 25 JAN NUMBER OF

URINE SPECIMENS (NO. OF PERSONS) TAKEN BY USAF; SPANISH CIVILIANS, 27;

GP-1

BT



~~SECRET~~

RESTRICTED DATA (58)

ATOMIC ENERGY ACT 1954

10-02720005

MPUAB5 1WZB355

~~SECRET~~

ATOMIC ENERGY ACT 1954

IMMEDIATE

ZNY SSSSS ZOV RUEPWZ

EUL524 EUG44 SCEF121

OO RUEPWZ

DE RUTGBY 2244 027140

ZNY SSSSS

01271301Z JAN 65

FM 16TH AF ADVON

TO RUEKDA/SECDEF

RUEAHQ/CSAF USAF

UWNFNA/DIR NUC SFTY KIRTLAND AFB NY

UWNNF/DEP INSP GEN INSP SFTY HORTON AFB CALIF

ICBQ/SAC

UCVAA/HQ 2 AF BARKSDALE AFB LA

RUETH9/HQ 8 AF WESTOVER AFB MA

UTQBNA/HQ 16 AF TORREJON AFB SPAIN

UCVND/2ND AIR DIV BLYTHEVILLE AFB OKLA

UEISR/822ND AIR DIV TURNER AFB GA

UCVND/ST DIV BLYTHEVILLE AFB OKLA

UCVND/58 BW SEYMOUR JOHNSON AFB NC

UCVND/AA/AFSC ANDREWS AFB MD

UCVND/AFSC WPAFB

UCVND/SAAMA KELLY AFB TEX

UCVND/AA/AFSC KIRTLAND AFB NY

UCVND/AA/AFSC HILL AFB UTAH

UCVND/AA/AFSC WPAFB OKLA

UCVND/AA/AFSC WPAFB GERMANY

ACTION

INFO

OP-78

Called
Sgt Swann
1640Z

SE-9

TG-1911

OV-12,13,14

AM-15

IMMEDIATE

IMMEDIATE

NO

NO

1-6-58

R

~~SECRET~~ [REDACTED]
UEPVZ/FC DASA SANDIA BASE NMEX

BT

~~SECRET~~ RESTRICTED DATA C-22054 JAN 66

SUBJ: SUPPLEMENTAL REPORT NO. 5 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASTD(AE53 CSAF AND AF160,

AFIIS, AFSSS-AAE; AFINS; SAC FOR GEN RYAN AND DC, DM, DOSD; 2, 3,

16 AF, , 822 AD (DO, DM, DS); 58 & 97 BW (DCO, DCM, DS); SCIZ

MCASS; SVN; OOS. THIS CONSTITUTES ADDITIONAL OR CORRECTED

INFO TO REPTS FROM 16 AF ADVON, SECRET/RD/MSG C 0010, 2-3 JAN 66,

C 268, 24 JAN 66, C 22054, 25 JAN 66 AND C 22047 26 JAN 66. THIS

REPT COVERS REQUIREMENTS OF AFR 127-4.

1-6-5843

~~SECRET~~ RESTRICTED DATA

AAPAGE 2 RUTBN 004A

B. NO CHANGE. WPN NO. 4 MK28Y1 MOD 2 SER NO. 45345 HAS NOT BEEN FOUND

C. NO CHANGE

D. NO CHANGE

E. NO CHANGE

F. INTENSIVE SEARCH OPERATIONS CONTINUE FOR NO. 4 WPN. ON 26

JAN ANOTHER MEETING WAS HELD BETWEEN USAF PERSONNEL AND

SPANISH OFFICIALS TO FURTHER DISCUSS CONTAMINATION PROBLEM

INVOLVING NO. 2 AND NO. 3 WPN SITES. A SEPARATE MSG WILL

BE PROVIDED TO LIMITED ADDRESSEES ON THIS SUBJECT. NO. 2

WPN AREA INFO FOLLOWS. DURING 25 JAN MONITORING WITH

PAC-15 ALPHA DETECTORS CONTINUED. EXTENT J DOWNWIND CON-

TAMINATION FROM CRATER WAS FURTHER DEFINED. MORE

CONTAMINATED PLOTS WERE IDENTIFIED. PATTERN OF CONTAMINATION IS

FAIRLY LOCALIZED, I.E. EXTENDS ABOUT 500 FT AROUND CRATER

EXCEPT FOR 40 DEGREE RADIAL. THE 40 DEGREE RADIAL SHOWS

CONTAMINATION OUT TO APPROX 3100 FEET. (SUP 3 & 4 REPTS

REFLECTED 3000 FT AND 4000 FT) AT 3100 FT THE PATTERN

MAKES A RIGHT ANGLE IN A SOUTHEAST DIRECTION. CONTAMINATION

EXTENDS TO APPROX 2000 FT ENCOMPASSING CROPS AND DWELLING

AREAS. CONTAMINATION IS NOT DETECTED IN THE

P-3

SECRET

1-6-50

SECRET
PAGE 3 RUTQBN 004A S

SPOTS READ ABOUT 32,200 CPM. IMMEDIATE CRATER AREA WAS WATERED DOWN. FIRE TRUCK REACHED CLOSE ENOUGH TO HILLY, ROCKY, ISOLATED CRATER AREA TO USE HOSES. WIDE SWEEP OF SOUTHWEST, NORTHWEST AND NORTHEAST QUADRANTS EXTENDS APPROX ONE HALF MILE OUT FROM WPN CRATER WAS ACCOMPLISHED. IN NORTHEAST, QUAD, RECOVERED FIVE SMALL PIECES OF WPN DEBRIS, I.E. METAL AND PLASTIC. READINGS OF FRAGMENTS RANGED FROM 30,000 TO 350,000 CPM. OTHER DEFUENTS RANGED FROM 30,000 TO 350,000 CPM. OTHER TWO QUADRANTS APPEARED FREE OF WPN FRAGMENTS.

NO. 3 WPN AREA INFO FOLLOWS. MONITORING WITH PAC-15 ALPHA DETECTORS CONTINUED. MORE RADIALS WERE RUN OUT FROM WPN CRATER. RADIALS WERE EVERY 90 DEGREES. READINGS WERE TAKEN EVERY 15 FT AND RANGED FROM 200 CPM TO 900,000 CPM. CONTAMINATED CROPS (TOMATOES, ALFALFA) IN APPROX TWO ACRES WERE PICKED. TO DATE APPROX TOTAL OF 7 ACRES WERE PICKED. REMOVAL AND BURIAL OF ENTIRE QUANTITY OF PICKED CROPS DEPENDS UPON EXCAVATION OF JUST APPROVED (1800 HRS LOCAL, 26 JAN) BURIAL SITE.

NO. 2. WPN CRATER AREA HAS BEEN APPROVED BY SPANISH OFFICIALS AS A BURIAL SITE FOR CONTAMINATED CROPS, SOIL, ETC. GEOLOGICAL DATA WAS NOT AVAILABLE TO DETERMINE SUITABILITY OF ROAD TO BURIAL SITE MUST BE DONE. WORK IS IN PROGRESS. BURIAL OF CROPS

P-4

SECRET

6-3843

PAGE 4 RUCBN 334A

[REDACTED] [REDACTED]
WERE PICKED (SOME PULLED UP BY ROOTS) WERE MONITORED. THESE WERE
LOCATED EAST OF WPN CRATER BELOW RIDGE OF HILL. READINGS RANGED FROM
200 CPM TO 3140 CPM. USAF RAD MONITORS CONTINUED ASSISTING SPANISH RAD
MONITORS IN AND AROUND VILLAGE OF PALMARES. READINGS RANGED FROM
DETECTABLE TO 5000 CPM. MAJORITY OF READINGS WERE UNDETECTABLE. READINGS
IN A FEW ISOLATED SPOTS RANGED FROM 300 CPM TO 5000 CPM.

RESULTS OF URINE SAMPLES TAKEN ON 37 SPANISH CIVILIANS AND
LA GUARDIA CIVIL BY SPANISH OFFICIALS WERE RECEIVED. TWO
INDICATED ALPHA ACTIVITY TO THE LEVEL OF ABOUT ONE HALF BODY
BURDEN. THE REMAINDER (35) SHOWED INSIGNIFICANT FINDINGS. SAMPLES
WERE ANALYZED BY SPANISH.

CONTAMINATED HOT SPOTS ON AIRCRAFT WERE PAINTED. VERTICAL
FIN OF TAIL SECTION WILL BE CUT BY EXPLOSIVES TO MAKE HANDLING
OF DEBRIS EASIER.

ON 26 JAN DOUG EVANS NUCLEAR EXPLOSIVES EXPERT FROM LOS
ALAMOS SCIENTIFIC LAB DEPARTED SITE OF ACFT FOR TORREJON AB. HE
WILL PROVIDE TECHNICAL ADVICE CONCERNING STEPS TO TAKE PRIOR TO
SHIPPING NO. 1 WPN AND OTHER WPN DEBRIS.

G. NO CHANGE

H. NO CHANGE

1-6-5843

[REDACTED] RESTRICTED

P-5

U.S. AIR FORCE
NUCLEAR WEAPONS ACCIDENT/INCIDENT
REPORT MESSAGES
SANITIZED VERSION

Encl 2

PAGE 5 RUTBN 034

I. NO CHANGE

J. NO CHANGE

K. SEE F ABOVE. REPLACEMENT PROBE FACES FOR PAC-15 ALPHA DETECTOR ARE IN SHORT SUPPLY. THOSE BEING USED HAVE BEEN REPAIRED REPEATEDLY. TERRAICSB VEGETATION, ROUGH ROCKY GROUND SURFACES CAUSE EASY PUNCTURE TO PROBE FACES RESULTING IN LIGHT LEAK. FIFTY ADDITIONAL PROBE FACES HAVE BEEN REQUESTED.

L. NO CHANGE

M. NO CHANGE

N. NO CHANGE

O. D.G. APOSTALON, MAJ., HQ SAC NUC WPN OFF EXT 3125 OFFUTT AFB, NEBR. THIS REPORT SUBMITTED FROM SITE OF ACDT.

GP-1.

BT

p 6

1-6-5843

SECRET
NNNNPUAI 87VZCZCHZB531VZC 925

00 RUWPUJ

28 JAN 66 19 45

ZNY SSSSS ZOV RUEPVZ

Z CZ CEUL573 EUH252CEC 848

00 RUEPVZ

DE RUTQBN 10A 0281445

ZNY SSSSS

O 281140Z JAN 66

FM 16TH AF ADN

TO RUEKDA/SECDEF

RUEAHQ/CSAF

RUWENA/DIR NUC SFTY KIRTLAND AFB NM

RUWHNF/DEP INSP GEN INSP SFTY NORTON AFB NALIF

RUCSC/SAC

RUCVAA/2AF BARKSDALE AFB LA

RUETHB/8AF WESTOVER AFB MASS

RUTQBNA/16AF TORREJON AB SPAIN

RUNWU/42ADIV BLYTHEVILLE AFB OKLA

RUETSR/822ADIV TURNER AFB GA

RUCWU/97BW BLYTHEVILLE AFB OKLA

RUETFK/68BW SEYHOUR JOHNSON AFB NC

RUEBBA/AFSC

RUCDSQ/AFLC

RUWGNH/SAAMA KELLY AFB TEX

RUWENA/AFSVC KIRTLAND AFB NM

RUWHL/00AMA HILL AFB UTAH

ACTION
OP-7, 8, 9
SE
TE
AD

THIS DOCUMENT CONTAINS
NO
NO

1-5-9029

RESTRICTED

SECRET

U
WGNK/OAMA TINKER AFB OKLA
INFO RUEPBWL/USAF A CP LINDSEY AS GERMANY

RUCVSK/SAC OTSL CARSWELL AFB TEX

RUEPVZ/FC DASA SANDIA BASE NME

RUTHBH/CHI EF JUSMAG SPAIN

BT

~~RESTRICTED~~ ~~SECRET~~ C-00056 JAN 66

SUBJ: SUPPLEMENTAL REPORT NO. 6 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASD(XAE); CSAF AND AF100, APTIS,
AFSSS-AE; AFINS; SAC FOR GEN RYAN AND DO, DM, DCS; 2, 8, 18 AF,
42, 822 AD (DO, DM, DS); 68 AND 97 BW(DCO, DCM, DS); SCIZ; RNAS;
SVVN; OOS; JUSMAG FOR GEN DONOVAN THIS CONSTITUTES ADDITIONAL OR
CORRECTED INFO TO REPTS FROM

16 AF ADVON SECRET/RD MSGS C0010; 23 JAN 66; C0028; 24 JAN 66;
C 00034; 25 JAN 66; 10004; 26 JAN 66; C00054; 27 JAN 66; THIS REP
COVERS REQUIREMENTS OF ATCHN'T 4 APR 65.

A. NO CHANGE.

PAGE TWO RUTQBN 10A

B. NO CHANGE. NO. 4 WEAPON MK28Y1, MOD 2, SERIAL NUMBER 45345
HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE.

E. NO CHANGE.

F. INTENSIVE SEARCH OPERATIONS CONTINUE FOR NO. 4 WEAPON. ARMY

AND NAVY PERSONNEL ARE BEING USED.

NUMBER 2 WEAPON AREA INFO FOLLOWS: DURING 27 JAN MONITORING
PAN-IS ALPHA DETECTORS CONTINUED. CONTAMINATED CROPS AND FIELDS IN
THE DOWNWIND DIRECTION (SEE SUP 5 REPT) ARE NOW IDENTIFIED. THERE
IS NO APPRECIABLE CHANGE IN THE CONTAMINATION PATTERN FROM THAT
REPORTED YESTERDAY. IMMEDIATE CRATER AREA AND ACCESSIBLE AREAS IN
DOWNWIND DIRECTION WERE WATERED-DOWN. THIS RETARDS CONTAMINATED
SOIL FROM BLOWING AROUND. EOD PERSONNEL SWEEP CRATER AREA OUT TO
350 FEET IN ALL DIRECTIONS FOR POSSIBLE REMAINING FRAGMENTS.

SEARCHED NORTHEAST AND NORTHWEST QUADRANTS OUT TO ABOUT FIVE EIGHTS
OF A MILE FROM THE CRATER. PROBED OUT TO TWO AND ONE HALF MILES
SOUTHWEST DIRECTION. OVERLAPPED PART OF WESTERN SWEEP.

NUMBER 3 WEAPON AREA INFORMATION FOLLOWS. CONTINUED MONITORING OF
FIELDS WHERE CROPS WERE REMOVED. CONTAMINATED CROPS HAVE BEEN

P-3

1-6-9029

SECRET

PAGE THREE RUCBN 10R **SECRET** RESTRICTED DATA
AND ARE BEING REMOVED BY USAF PERSONNEL. READINGS ON PAC-15 RANGED
FROM NEGLIGIBLE TO 7,500 COUNTS PER MINUTE (CPM).
DURING 27 JAN SIX AIR SAMPLES WERE TAKEN DOWNWIND FROM CR
AS FOLLOWS:

RADIALS IN DEGREES	DISTANCE FROM CRATER	RESULTS
265	ONE QUARTER MILE	NEG
270	ONE QUARTER MILE	NEG
286	ONE EIGHTH MILE	NEG
292	ONE EIGHTH MILE	NEG
245	260 YARDS	NEG
247	300 YARDS	NEG
252	350 YARDS	NEG

APPROXIMATELY TWO AND ONE HALF ACRES OF CROPS WERE CUT DOWN AND
STACKED FOR REMOVAL. APPROXIMATELY 100 PERSONNEL WERE DECON-
TAMINATED. THESE INCLUDE CROP PICKERS, MONITORING TEAMS AND ARMY
MINE DETECTOR TEAMS. CONTAMINATED SOIL AT CRATER WAS SCOOPED UP AND
BOXED. BOXES WERE LOADED ON TRUCK, COVERED WITH TARPOLIN TO
PREVENT SCATTERING OF SOIL AND REMOVED TO NO. 2 WEAPON SITE. TRUCK
WAS MONITORED AND DECONTAMINATED AFTER USE. CONTINUED ASSISTING
SPANISH PERSONNEL IN MONITORING HOUSE EXTERIORS, ROOFS AND YARDS IN

P-4

SECRET

1-6-9029

EO 12812-2

~~SECRET~~
PAGE FOUR RUTGEMAN 9-20-68
VILLAGE OF PALMARES. READINGS RANGED FROM UNDETECTABLE TO 8000 CPM. MAJORITY READINGS WERE FROM 25 CPM TO 300 CPM. THE MAJORITY OF READINGS WERE FOUND IN VICINITY OF AIRCRAFT WRECKAGE. ANTICIPATING COMPLETING VILLAGE MONITORING TODAY.

FIFTY MORE USAF PERSONNEL EACH WITH A MACHETTE, BOOTS AND PROPER CLOTHING HAVE BEEN ORDERED TO THE SITE THEY WILL BE USED TO CUT DOWN CONTAMINATED CROPS.

PLAN TO REMOVE VERTICAL STABILIZER FROM TAIL SECTION OF AIRCRAFT BY MEANS OF INCENDIARY MUNITIONS RATHER THAN EXPLOSIVES.

AIRCRAFT WRECKAGE TURNED IN IS MONITORED. CONTAMINATED PIECES ARE PAINTED. SOMETIMES SEVERAL COATS ARE NEEDED.

PERMISSION RECEIVED TO CUT ALL CONTAMINATED CROPS IN VICINITY OF NO. 3 WEAPON AREA. ON 27 JAN, 17 CLAIMS RECEIVED. INDIVIDUALS COULD NOT SELL FISH TO LOCAL CUSTOMERS. PAYMENTS MADE IN CASH. TOTAL \$300.00

URINE SAMPLES ANALYZED BY USAF RAD HEALTH LAB, WRIGHT PAT AFB INDICATED TWO INDIVIDUALS SHOW SIGNIFY F. ROKK, USAF AND PEDRO A. LATORRE, SPANISH CIVILIAN WITH ALPHA ACTIVITY TO LEVEL OF ABOUT 100 CPM. RESPECTIVELY. IF POSSIBLE.

P-5

~~SECRET~~

1-6-9029

PAGE FIVE RU [REDACTED]

THAT FOREIGN MATERIAL WAS INTRODUCED INTO SAMPLES GIVING UNRELIABLE RESULTS. RESAMPLING IS NOW BEING ACCOMPLISHED IN A MORE STERILE ENVIRONMENT. IN MESSAGE TO RAD HEALTH LAB, DR. NORCROSS (AFINS) RECOMMENDED CRITERIA TO USE TO DETERMINE ACTION TAKEN FOLLOWING IDENTIFICATION OF PLUTONIUM IN URINE.

G. NO CHANGE.

H. NO CHANGE.

I. NO CHANGE.

J. NO CHANGE.

K. SEE F ABOVE.

L. NO CHANGE.

M. THE FOLLOWING DOD AND STATE DEPT STATEMENT HAS BEEN RELEASED BY 16AF IN RESPONSE TO QUERIES AS OF 1700 LOCAL 24 JAN 66: QUOTE: ELEMENTS OF THE UNITED STATES NAVY AND THE UNITED STATES ARMY ARE ASSISTING SPANISH AUTHORITIES AND THE U.S. AIR FORCE IN THE SEARCH FOR WRECKAGE OF THE B-52 AND KC-135 AIRCRAFT WHICH SUFFERED AN ACCIDENT DURING A REFUELING OPERATION JANUARY 17. AIR FORCE OFFICIALS RECONFIRMED THAT RADIOLOGICAL SURVEYS HAVE FOUND NO INDICATION OF DANGER TO PUBLIC HEALTH OR SAFETY AS A RESULT OF THE ACCIDENT.

UNQUOTE

N. NO CHANGE.

O. D.C. APOSALON, MAJ., HQ SAC, NUC WPN OFF, EXT 3125 OFFUTT AFB NEBR. THIS REPORT SUBMITTED FROM SITE OF AC DT. GP-1.

BT

1-6-9029

~~SECRET~~

IMMEDIATE

PUA452W VZB457

23 JAN 66 18 11

OO RUEWPUJ

ZNY SSSSS ZOV RUEPWZ

EUL637 EUH547 CEF515

OO RUEPWZ

ZNY SSSSS ZFD RUTHCS

CZCCSB7 42Z CXP A356

OO RUFPBWL RUEPWZ RUWGNH RUWGNK RUCDSQ RUWHHL RUWHNF RUWMFNA RUEBBAPE

BN JA 0291320

ZNY SSSSS

0291235Z JAN 66

FM 16TH AF ADVON SPAIN

TO RUEKDA/SECDEF

RUEAHQ/CSAF

RUWMFNA/DIR NUC SFTY KIRTLAND AFB NM

RUWHNF/DEP INSP SFTY NORTON AFB CALIF

RUWSC/SAC

RUCVAA/HQ 2 AF BARKSDALE AFB LA

RUEBEM/HQ 8 AF WESTOVER AFB MASS

RUTOBNA/HQ 16 AF TORREJON AB SPAIN

RUCWU/42ND AIR DIV BLYTHEVILLE AFB ARK

RUEISR/822ND AIR DIV TURNER AFB GA

RUCWU/97 BW BLYTHEVILLE AFB ARK

RUETFK/68 BW SEYMOUR JOHNSON AFB NC

RUEBBA/AFCS

027,8

SE 29

TV-101

OV-12/13/14

AM-15

DE RUT

~~SECRET~~

1-6-9

S

Q/AFLC

~~SECRET~~

JWGN/SAAMA KELLY AFB TEXAS
JWNFNA/AFSVC KIRTLAND AFB N M
JWHL/OOAMA HILL AFB UTAH
JWGNK/OOAMA TINKER AFB OKLA
FO RUPPEWL/USAFE CP LINDSEY AS GERMANY
CVSK/SAC OTSL CARSWELL AFB TEAS
EPWZ/FC DASA SANDIA BASE N MEX
THEH/CHIEF JUSMAG MAAG MADRID SPAIN

~~SECRET~~ 8-00080 JAN 66.
J: SUPPLEMENTAL REPORT NO. 7 (ADVON) OF NUCLEAR ACCIDENT
(OKEN ARROW). SEC DEF FOR ASTDAE); CSAF AND AFIGO, AFIIS,
SS-AE; AFINS; SAC FOR GEN RYAN AND DO, DM, DOSD; 2, 8, 16 AF,
822 AD (DO, DM, DS); 68 & 97 BW (DCO, DCM, DS); SCIZ; MCASS;
; OOYS; JUSMAG FOR GEN DONOVAN. THIS CONSTITUTES ADDITIONAL
CORRECTED INFO TO REPTS FROM 15 AF ADVON SECRET/RD MSGS C 0010,
1-6-5346
AN 66; C0028, 24 JAN 66; 1-6-5532
-6-5843
054, 27 JAN 66; C 00066, 28 JAN 66; C 00041, 26 JAN 66;
NIR
NIR
S OF ATCHM'T 4, AFR 127-4.
2

~~SECRET~~ 1-6-9151

PAGE 2 RUTQBN 3A ~~SECRET~~

A. NO CHANGE.

B. NO CHANGE. NO 4 WEAPON, MK28Y1, MOD PYP SERIAL NUMBER 45345 HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE.

E. NO CHANGE.

F. INTENSIVE SEARCH OPERATIONS CONTINUE FOR NO. 4 WEAPON.

NUMBER 2 WEAPON AREA INFO FOLLOWS: DURING 28 JAN SIXTY SOIL AND VEGETATION SAMPLES WERE COLLECTED; 30 WERE DUPLICATES FOR ANALYSIS BY THE SPANISH NUCLEAR ENERGY COMMISSION (JUNTA ENERGIA NUCLEAR). OUR SAMPLES WERE PACKED AND SHIPPED TO RAD HEALTH LAB, WRIGHT-PAT AFB. TO HOLD DOWN AIRBORNE PLUTONIUM AS MUCH AS POSSIBLE, WATERING OF CRATER AREA AND DOWNWIND CONTAMINATION PATTERN WAS ACCOMPLISHED.

NUMBER 3 WEAPON AREA INFO FOLLOWS: DURING 28 JAN APPROXIMATELY FIVE ACRES OF CONTAMINATED CROPS WERE CUT DOWN OR PICKED. THIS MAKES A TOTAL IN NO. 3 WEAPON AREA OF APPROXIMATELY 14 ACRES CROPS TAKEN DOWN. BURIAL OF CONTAMINATED CROPS HELD UP PENDING GEOLOGICAL AND HYDROGRAPHIC STUDY BY SPANISH OFFICIALS OF PROPOSED BURIAL SITE (SUP 5 REPT SAID APPROVED BURIAL SITE).

1-6-9151

P3

PAGE 3 RUTQBN 3A S E [REDACTED]

AFTER REMOVAL OF CROPS FROM FIELDS, MONITORING WITH PAC-12 WAS ACCOMPLISHED. READINGS RANGED FROM 80 CPM TO 20,000 CPM. ONLY THREE FIELDS HAD OVER 7000 CPM. APPROXIMATE 100 USAF PERSONS WERE DECONTAMINATED. PRIOR TO AND AFTER DEC ON A RANDOM SAMPLING OF 10 PERSONS WAS TAKEN. BOOTS, HANDS, HAIR AND FATIGUES WERE MONITORED. READINGS AFTER DEC ON WERE ZERO OR INSIGNIFICANT. ON 28 JAN EIGHT AIR SAMPLES WERE TAKEN DOWNWIND OF CROP PICKERS. RESULTS WERE:

RADIALS IN DEGREES	DISTANCE FROM CRATER	RESULTS
310	ONE EIGHTH MILE	NEG
301	ONE EIGHTH MILE	NEG
316	ONE EIGHTH MILE	NEG
220	ONE QUARTER MILE	NEG
222	ONE QUARTER MILE	NEG
216	ONE QUARTER MILE	NEG
218	ONE QUARTER MILE	NEG
224	ONE QUARTER MILE	NEG

STAPLEX WAS CALIBRATED BEFORE AND AFTER READINGS. DURING 28 JAN THE CAMP SITE WAS MONITORED THROUGHOUT WITH PAC-15. RESULTS WERE NEGATIVE.

1-6-9151

P4

[REDACTED]

PAGE 4 RUTQBN 3A S E C [REDACTED]

CONTINUED PROVIDING ASSISTANCE TO SPANISH PERSONNEL IN MONITORING IN VILLAGE OF PALOMARES. USAF AND SPANISH NEG PERSONNEL ARE CONSTRUCTING MAPS AND COMPILING READINGS. L. C. REPLACEMENT PAC-IS PROBE FACES SLOWED DOWN MONITORING. ESTIMATING COMPLETING VILLAGE MONITORING TODAY.

MHD-20/C CLIP IN ASSEMBLY REMANENT WAS MONITORED WITH PAC-IS. MOST READING WERE UNDETECTABLE. ONE SMALL SPOT READ 500 CPM AND A FEW OTHER 100 TO 300 CPM. THESE READINGS ARE INSIGNIFICANT. AREA ON KC-135 NUMBER 4 ENGINE COWLING READ 400,000, CPM. THIS WAS PAINTED. READING AFTER PAINTING WAS 1500 CPM, CONSIDERED INSIGNIFICANT. ON 28 JAN TWENTY-EIGHT EMERGENCY CLAIMS WERE PAID TO SPANISH CIVILIANS. MAIN REASON: INABILITY TO MARKET CROPS OR FISH. PAYMENT WAS \$850.00. TOTAL NO. EMERGENCY PAYMENTS THRU 28 JAN WERE 46. (29 TO FISHERMEN). TOTAL AMT PAID TO DATE WAS \$1285.00. KNOWN POTENTIAL CLAIMS ARE APPROXIMATELY 300 AT APPROXIMATELY \$50,000.

G. NO CHANGE.

H. NO CHANGE.

I. NO CHANGE.

J. NO CHANGE.

K. SEE F. ABOVE.

[REDACTED] 1-6-9151

P51

PAGE 5 RUTQBN 3A [REDACTED]

L. NO CHANGE.

M. NO CHANGE.

N. NO CHANGE.

O. D. & APOSTALON, MAJ., HQ SAC, NUC WPN OFF, EXT 3125, OFFUTT
AFB, NEBR. THIS REPORT SUBMITTED FROM SITE OF AC DT. GV-1

BT

P6

[REDACTED] 7-6-9151

~~SECRET~~

~~SECRET~~

NNNNPUA522VV WZB481

30 JAN 66 15 54

1AAMMEDIATE

OO RUWPUJ

ZNY SSSSS ZOV RUEPWZ

EUL655UH651CEE111

OO RUEPWZ

DE RUTQBN 2A 0301315

ZNY SSSSS

0 301130Z JAN 66

FM 16TH AF ADVON SPAIN

TO RUEKDA/SEC DEF

RUEAHQ/CSAF

RUWMFNA/DIR NUC SFTY KIRTLAND AFB NMEX

RUWHNF/DEP INSP SFTY NORTON AFB CALIF

RUCSC/SAC

RUCVAA/HQ 12 AF BARKSDALE AFB LA

RUETBH/HQ 8 AF WESTOVER AFB MASS

RUTQBNA/HQ 16 AF TORREJON AB SPAIN

RUCWU/42ND AIR DIV BLYTHEVILLE AFB ARK

RUETSR/822ND AIR DIV TURNER AFB GA

RUCWU/97 BW BLYTHEVILLE AFB ARK

RUETFX/68 BW SEYMOUR JOHNSON AFB N C

RUEBBAA/AFSC

RUCDSQ/AFLC

RUVGW/SAAMA KELLY AFB TEXAS

PI

~~SECRET~~

T-6-9189

PNS DISCREP

1964

SC/101

~~SECRET~~
M

FNA/AFSWC KIRTLAND AFB N M

RUWHKL/OOAMA HILL AFB UTAH

RUWGK/OCAMA TINKER AFB OKLA

INFO RUPPWL/USAFE CP LINDSEY AS GERMANY

RUC WSK/SAC OTSL CARSWELL AFB TEXAS

RUEPWZ/FC DASA SANDIA BASE N MEX

RUTHBH/CHIEF JUSMAG MADRID SPAIN

BT

~~SECRET~~ RESTRICTED DATA-00085 JAN 66.

SUBJ: SUPPLEMENTAL REPORT NO. 8 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASTD (AE): CSAF AND AFIGO, AFIIS,
AFSSS-AE; AFINS: SAC FOR GEN RYAN AND DO, DM, DOSD; 2, 8, 16AF,
42, 822 AD(DO, DM, DS); 58 & 97 BW (DCO, DCM, DS); SCIZ: MCASS;
SWVN; COYS; JUSMAG FOR GEN DONOVAN. THIS CONSTITUTES ADDITIONAL
OR CORRECTED INFO TO REPTS FROM 16 AF ADVON SECRET/RD MSGS C0010,
23 JAN 66; C0028, 24 JAN 66; C0034, 25 JAN 66; C0041, 26 JAN 66;
65; C 00054, 27 JAN 66; C0066, 28 JAN 66; C0080, 29 JAN 66.
NIR
1-6-5396
1-6-5532
1-6-5843
NIR
1-6-9151

THIS REPT COVERS REQUIREMENTS OF ATCHM T. 4, AFR 127-4.

P2

~~SECRET~~ 1-6-9189

PAGE 2 RJTQBN 2A S E [REDACTED]

- A. NO CHANGE.
- B. NO CHANGE. NO. 4 WEAPON, MK 28Y1, MOD. 2, SERIAL NUMBER 45345 HAS NOT BEEN FOUND.
- C. NO CHANGE.
- D. NO CHANGE.
- E. NO CHANGE.

THE INTENSIVE SEARCH FOR WEAPON NO. 4 STILL CONTINUES.

DOUG EVANS HAS RETURNED FROM TORREJON AB WHERE HE ASSISTED NORTH AMERICAN AVIATION REPRESENTATIVES IN THE CALIBRATION OF DETECTION EQUIPMENT, TO BE USED IN AN ATTEMPT TO LOCATE NUMBER 4 WEAPON.

A MEETING WAS HELD BETWEEN SPANISH PERSONNEL AND USAF PERSONNEL. A REQUEST WAS SOUGHT AND GRANTED FOR BUYING PRODUCE (TOMATOES, PIGS, CHICKENS, FISH, ETC.) AND UTILIZING THIS PRODUCE FOR TROOP CONSUMPTION.

THE 12 EOD PERSONNEL FROM USAF HAVE DEPARTED FOR THEIR HOME STATIONS. NECESSARY EOD FUNCTIONS ARE NOW ACCOMPLISHED BY USAF (SAC), NAVY AND/OR ARMY PERSONNEL.

NUMBER 2 WEAPON AREA INFO FOLLOWS: SCRAPING OFF OF TOPSOIL IN AREA NO. 2 WAS BEGUN. A ROAD HAS BEEN GRADED ACROSS THE CONTAMINATED

P3 [REDACTED] 1-6-9189

PAGE 3 RUTQBN 2A [REDACTED]

AREA TO SITE NO.2 . THIS ROAD WILL BE USED TO HAUL IN ITEMS ETC FOR BURIAL. AFTER SCRAPING OFF TOP SOIL TO AN APPROXIMATE DEPTH OF 2 INCHES MONITORING READINGS WERE ZERO. SOME ISOLATED HOT SPOTS NOTED APPARENTLY THESE SPOTS WERE NOT SCRAPED DEEP ENOUGH. SCRAPINGS WERE MADE INTO ROWS. PAC-15 READINGS OF SCRAPINGS RANGED FROM ZERO TO 2000CPM. SCRAPER OPERATOR DID NOT BECOME CONTAMINATED DURING SCRAPING OPERATIONS. OTHER PERSONNEL GATHERED SOME CONTAMINATION ON THEIR BOOTIES AND RUBBER GLOVES. AFTER OPERATIONS WERE HALTED PERSONNEL AND EQUIPMENT WERE DECONTAMINATED. NUMBER 3 WEAPON AREA INFO FOLLOWS: CROP CLEARING IS CONTINUING. APPROXIMATELY 4 ACRES WERE CLEARED TODAY. THIS MAKES AN APPROXIMATE TOTAL OF 18 ACRES CLEARED. FIFTY ADDITIONAL CROP CLEARERS HAVE ARRIVED. TWENTY CROP CLEARERS AND ARMY MINE SURVEY TEAM WERE MONITORED AT DECONTAMINATION STATION. READINGS RANGED FROM ZERO TO 850 CPM. CLEARED FIELDS WERE REMONITORED AND READINGS RANGED FROM ZERO TO 2000 CPM. THERE IS A CREEPING EFFECT OF CONTAMINATION NOTICEABLE. FIELDS PREVIOUSLY REVEALING ZERO ARE NOW READING UP TO 6000 CPM. THIS PHENOMENA IS NATURAL AS IT WAS NOTED IN NEVADA TESTS. AIR SAMPLES AROUND SITE NO. 3 FOR 29 JANUARY:

RADIALS IN DEGREES

DISTANCE FROM CRATER

RESULTS

P4

1-6-9189

PAGE 4 RUTQBN 2A [REDACTED]

251	ONE HALF MILE	NEG
257	ONE HALF MILE	50 CPM
246	ONE HALF MILE	NEG
195	ONE QUARTER MILE	100 CPM
190	ONE QUARTER MILE	NEG
185	ONE QUARTER MILE	100 CPM
167	ONE QUARTER MILE	NEG

THE ABOVE RESULTS ARE CONSIDERED NEGLIGIBLE.

MONITORING WITHIN CAMP SITE AREA PROVED NEGATIVE.

CONTINUED ASSISTING SPANISH NEC MONITORS IN THE VILLAGE OF PALOMORES. ASSISTED IN WASHING DOWN 2 HOUSES. READINGS IN FIELDS RANGED FROM ZERO TO 1000 CPM.

CLAIMS: TOTAL AMOUNT OF CLAIMS PAID ON 29 JAN 66 WERE \$1850.

TOTAL CLAIMS PAID TO DATE IS \$3135. ESTIMATE OF POTENTIAL CLAIMANTS IS 600 AND POSSIBLE AMOUNT OF \$100,000.

G. NO CHANGE.

H. NO CHANGE.

I. NO CHANGE.

J. NO CHANGE

K. SEE F. ABOVE.

9-6-9189

P5

PAGE 5 RUTQBN 2A [REDACTED]

L. NO CHANGE

M. NO CHANGE

N. NO CHANGE.

O. A.B. BRUBAKER, CAPTAIN, HQ 16AF, DM 4E, EXT 3003, TORREJON AB,
SPAIN. THIS REPORT SUBMITTED FROM SITE OF ACCIDENT. GP-1

BT

P 6

[REDACTED] 7-6-9189

NNNNPWA749TUA100ETJ905

PP RUPUJ

5 FEB 66 20 59

PRIORITY

ACTION

INFO

DE RUMPA2060 0361930

ZN 555555

P 231920Z

FM USAEC WALTER F WHITE ALBUQUERQUE NMEX

TO RUEHQ/C OF S USAF WASHDC /SERIES C/

RUCSC/CINCSAC OFFUTT AFB NEB /SERIES D/

RUTBMA/16TH AF TORREJON AB MADRID SPAIN PLS PASS TO D J HART /SERIES E/

INFO RUEPKG/USAEC DMA C OL C C MALITZ WASHDC /SERIES F/

RUEPBN/CINCSAF WIESBADEN GERMANY /SERIES G/

RUMFNA/DNS KIRTLAND AFB ALBUQUERQUE NMEX /SERIES H/

RUPUJ/COMR 10/DASA ATTN FC OP /SERIES I/

OP 789 SE 10
TG 11,12
DV 13,14,15
FHA 16

AFB
BT

THE FOLLOWING AEC/AIO ACCIDENT OBSERVER WILL
DEPART ALBUQUERQUE ON FEBRUARY SIX VIA COMMERCIAL AIRCRAFT FOR MADRID,
SPAIN.

PAUL H SCHNEIDER, AEC "Q" CLEARANCE NO. AB-53796-AB, DATED 11/21/52
MR SCHNEIDER IS THE REPLACEMENT FOR DAVID J HART, AEC TEAM CHIEF AT THE
ACCIDENT. HE WILL ARRIVE MADRID MONDAY, FEBRUARY SEVEN, ABOARD
TRANSPORT. A TWO DAY OVERLAP IS PLANNED FOR BRIEFING AND
ORIENTATION PRIOR TO MR HART'S RETURN.

MR SCHNEIDER IS AEC "Q" CLEARED AND IS AUTHORIZED ACCESS TO TOP SECRET

VERBATIM REF VDS (S-154)

2-6-3581

10701000725

~~SECRET~~

~~SECRET~~

5 FEB 66 14 49

IMMEDIATE

PUA717WZB688

00 RUWPUJ

ZNY SSSSS ZOV RUEPWZ ZDG

UL963

00 RUEPWZ

DE RUTQBN 002A 0361130

ZNY SSSSS

0 051100Z FEB 66

FM 16T AF ADVON

TO RUEKDA/SECRETARY OF DEFENSE

RUEAHQ/CSAF USAN

RUWMFNA/DIR NUG SFTY KIRTLAND AFB NM

RUWHNF/DEP INSPSY NORTON AFB CALIF

RUCSC/HQ SAC OFFUTT AFB NEB

RUCVAA/HQ 2 AF BARKSDALE AFB LA

RUEHB/HQ 8 AF WESTOVER AFB MA S

RUTQBN/HQ 16 AF TORREJON AB SPAIN

RUCWHU/42ND AIR DIV BLYT EVILLE AFB ARK

RUETSR/822ND AIR DIV TURNER AFB GA

RUCWHU/97 BW BLYT EVILLE AFB ARK

RUETFK/68 BW SEYMOUR JOHNSON AFB NC

RUE3BAA/AFSC ANDREWS AFB MD

RUCDSG/AFLC WPAFB

RUWGNH/SAAMA KELLY AFB TEXAS

RUWMFNA G/AFSWC KIRTLAND AFB NM

ACTION

INFO

8P 18,9

SE-10

TG 11, 12

DV 13, 14, 15

AM 16

AT

~~IMMEDIATE~~

~~SECRET~~

2-6-3570

NPNS DISP

U

WHHL/OOAMA HILL ANB UTAH

RUWGNK/OOAMA TINKER AFB OKLA

RUWTBAG/DAD ATB E(LIN AFB FLA

INFO RUFFBWL/USAFE CP

RUCVSK/SAC OTSL CARSWLL AFB TEXAS

RUEPWZ/FC DASA SANDIA AFB NM

RUTHB /CHIEF JUSMAG SPAIN

BT

S E C R E T RESTRICTED DATA C-00160 FEB 66.

SUBJ: SUPPLEMENTAL REPORT NO. 14 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASTD (AT); CSAF AND ANIGO, AFIIS,
AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO, DM, DOSD; 2, 8, 16 AF,
42, 822 AD (DO, DM, DS); 68 & 97 BW (DCO, DCM, DSGLV SCIZ; MCA S;
SWVN; OOYS; JUSMAG FOR GEN DONOVAN; FC DASA. THIS CONSTITUTES
ADDITIONAL OR CORRECTED INFO TO REPTS FROM 16TH ADVON SECRET/RD
MSGs C 0010,, 23 JAN 66; C 0028, 24 JAN 66; C00034, 25 JAN 66;
C 0041, 26 JAN 66; C 0054, 27 JAN 66; C 0066, 28 JAN 66;
C 0080, 29 JAN 66; C 0085, 30 JAN 66; C 0098, 31 JAN 66;

P-2

~~SECRET~~

2-6-3570

PAGE 2 RUTGBN 002A

C00111, 1 FEB 66; C 00125, 2 FEB 66; C 00134, 3 FEB 66; C 00149, 4 FEB 66; 5 FEB 66. THIS REPT COVERS REQUIREMENTS OF ATCHM'T 4, ANR 127-4.

A. NO CHANGE

B. NO CHANGE. NUMBER 4 WEAPON, MK28Y1, MOD 2, SERIAL NUMBER 45345, HAS NOT BEEN FOUND.

C. NO CHANGE

D. NO CHANGE

E. NO CHANGE

F. THE INTENSIVE SEARCH FOR WEAPON NR. 4 STILL CONTINUES.

MEETING WITH SPANISH NEC PERSONNEL: DURING THE DAILY MEETING WITH THE SPANISH NEC PERSONNEL NO ITEMS OF SPECIFIC SIGNIFICANCE WERE COMPLETED.

SITE NR. 2 INFO TO FOLLOW: THE REMOVAL OF SOIL FROM SITE NR. 3 AND TRANSPORTING TO SITE NR 2 IS PROGRESSING QUITE SUCCESSFULLY. WATERING OF SOIL AND VEGETATION TO PREVENT DUST IS ALSO GOING ALONG NICELY. LIME IS PLACED ON VEGETATION TO ASSIST IN DECOMPOSITION.

SITE NR 3 INFORMATION TO FOLLOW: SOIL SCRAPING OPERATIONS ARE CONTINUING. 12 TRUCK LOADS OF SOIL HAS BEEN REMOVED (APPROXIMATELY 30 CUBIC YARDS) TO SITE NR. 2. PLOWING OPERATIONS ARE CONTINUING.

P-3

2-6-3570

PAGE 3 RUTGBN 002A

SECRET

SITE NR. 5 INFO FOLLOWS: MONITORING OF SEVERAL HOUSES WAS ACCOMPLISHED. WASHING OF HOUSES IS BEING ACCOMPLISHED AS NECESSARY.

SITE NR. 6 SEARCH MONITORING WITHIN SITE NR. 6 IS CONTINUING. CONTAMINATION HAS BEEN FOUND IN ISOLATED SPOTS. DUPLICATE SAMPLES OF BEES, THE HIVE AND HONEY HAVE BEEN COLLECTED AND SENT FORWARD TO MADRID AND WPAFB FOR TEST AND ANALYSIS.

CAMP SITE: MONITORING RESULTS MADE WITHIN THE CAMP SITE HAVE ARE ALL NEGATIVE.

CLAIMS: EMERGENCY PAYMENTS MADE ON 4 FEB WERE 11 FOR AN AMOUNT OF 9251.67. TOTAL NUMBER OF PAYMENTS MADE TO DATE IS 96, TOTAL AMOUNT OF EMERGENCY PAYMENTS IS \$4278.01.

G. NO CHANGE

H. NO CHANGE

I. NO CHANGE

J. NO CHANGE

K. SEE "F" ABOVE

L. NO CHANGE

M. NO CHANGE

N. NO CHANGE

O. A.B. BRUCKER, CAPT, USAF, DMAE, EXT 3003, TORREJON AB,

X

PAGE 4 RUTGBN 002A **SECRET** RESTRICTED DATA

SPAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE. GP-1.

BT

SECRET

2-6-3570

~~SECRET~~

~~SECRET~~

PRIORITY

NNNNEPUG622 TUA081QTC323 10 FEB 66 10 16

PP RUWPUJ

DE RUTQBN 001A 0410840

Z NY SSSSS

P 100730Z FEB 66

FM 16AF ADVON SPAIN

ACTION	INFO
op-7,8	SE-9 TG-10,11 DV-12,13 AM-15

TO RUWPQA/US ATOMIC ENERGY LSIGN ALBUQUERQUE NM

RUEPXG/USAEC WASH DC

RUWPQSSANDIA CORPORATION ALBBA JVEX

RUWPQL/LOS ALAMOS SCIENTIFIC LABORATORY LOS ALAMOS NM

RUWMFNA/DIRECTORATE OF NUCLEAR SAFETY KIRTLAND AFB NM

RUWPUJ/FC DASA SANDIA BASE NMEX

BT

~~SECRET~~ ~~RESTRICTED DATA~~ C00195. FEB 66. FOR MANAGER USAEC ALBUQUERQUE NM; DIR OF MIL APPLICATION USAEC WASH; W. R. HOAGLAND DEPT 1540 ORG 9320 SANDIA CORP. FROM AEC NUCLEAR WEAPON SAFETY TEAM. STATUS OF SEARCH OPERATIONS AT PALOMARES, SPAIN ACCIDENT. REF SRD C-00171 DTG. DETAILED SEARCH OF THE LAND IMPACT AREA IS 50 PERCENT COMPLETE. FIVE MINE SHAFTS AND THREE CRATERS HAVE BEEN MARKED FOR FURTHER INVESTIGATION WEDNESDAY. *PUEBLLO* *ROOF* WATER WELLS, AND FRESHLY PLOWED FIELDS ARE ALSO TO BE CHECKED. NAVY SEARCH OPERATIONS HAVE PRODUCED A FEW B-52 AIRCRAFT PARTS ONLY. GP-1.1

~~SECRET~~

~~SECRET~~

2-6-4011

~~SECRET~~

~~SECRET~~

~~SECRET~~ ~~RESTRICTED DATA~~
~~ATOMIC ENERGY ACT 1954~~

7 FEB 66 23 51

IMMEDIATE

EPUA969TUA364QTA016

ACTION	INFO
OR 7,8	SE-9
	TG-10,11
	DV-12,13,14
	AM-15

00 RUWPIW
DE RUTQBN 5A 0381625 ~~EXCLUDED FROM AUTOMATIC
DECLASSIFICATION; DOD DIR 5200.10~~
ZNY SSSSS

O 071615Z FEB 66
FM 16TH AF ADVON

TO RUEKDA/SECDEF
RUEAHQ/CSAF
RUWMFNA/DIR NUC SFTY KIRTLAND AFB NM
RUWHNF/DEP INSP GEN INSP SFTY NORTON AFB CALIF
RUCSC/SAC

corrected by
1-6-3646

RUCVAW/2AF BARKSDALE AFB LA
RUETHB/8AF WESTOVER AFB MASS
RUTQBN/16AF TORREJON AB SPAIN
RUCVHU/42ADIV BLYTHEVILLE AFB OKLA
RUETSR/822ADIV TURNER AFB GA
RUCVHU/97BW BLYTHEVILLE AFB OKLA
RUETFK/68BW SEYMOUR JOHNSON JFB NCR
RUZBBAA/AFSC
RUCDSQ/AFLC

~~RESTRICTED DATA~~

~~ATOMIC ENERGY ACT 1954~~

CUMENH/SAAMA KELLY AFB TEX

2-6-3663
UPNS DISCREP

PI

~~SECRET~~

~~RESTRICTED DATA~~
~~ATOMIC ENERGY ACT 1954~~

initial 24 Oct 66
5
Mathew
15

~~SECRET~~ 1954

RUWMFNA/AFSWC KIRTLAND AFB NM
LRUWHHL/OCAMA HILL AFB UTAH
RUWGNK/OCAMA TINKER AFB OKLA
RUWTBTA/DAD ATB EGLIN AFB FLA
INFO RUFPBW/USAF CP LINDSEY AS GER
RUCVS/SAC OSL CARSWELL AFB TEX
RUEPVZ/FC DASA SANDI BASE NMEX
RUTHBH/CHIEF JUSMAG SPAINNO

BT

~~SECRET~~
~~RESTRICTED~~ C-10174 FEB 66.

SUBJ: SUPPLEMENTAL REPORT NO. 15 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASTD KAE); CUAF AND AFIGO, AFIIS,
AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO, DM, BOSD; 2, 8, WQYAF,
42, 822 AD (DO, DM, DS); 68 & 97 BW (DCO, DCM I DS); SCIZ; MCASS;O
SWVN; OQYS; JUSMAG FOR GEN DONOVAN; FC DASA. THIS CONDITITUTES
ADDITIONAL OR CORRECTED INFO TO REPTS FROM 16AF ADVON SECRET/RO

1-NIR 1-6-5396 1-6-5332
MSGs C0010, 23 JAN 66; C0028, 24 JAN 66; C0034, 25 JAN 66;
1-NIR 1-6-5343 1-6-9029
C0041, 26 - , 66; C00034, 27 JAN 66; C00066, 28 JAN 66;
1-6-9151 1-6-9189 1-6-9216
C00088, 29 JAN 66, C00082, 30 JAN 66; C00098, 31 JAN 66;

P2

2-6-3663

F

~~SECRET~~

PAGE TWO RUT GBN 5A

2-6-3089
C00111, 1 FEB 66; C00123, 2 F CL66; C00134, 3 FEB 66; C00149, 4 FEB 66; C00160, 5 FEB 66; 7 FEB 66. THIS RDPT COVERS REQUIREMENTS OF ATCHM'T 4, AFR 127-4, GP-1

- A. NO CHANGE.
- B. NO CHANGE. WEAPON NUMBER 4, MK28Y1, MOD 1, SERIAL NUMBER 49345, HAS NOT BEEN FOUND.
- C. NO CHANGE.
- D. NO CHANGE.
- E. NO CHANGE.

F. THE SEARCH FOR WEAPON NUMBER 4 IS STILL CONTINUING.

SITE 2 INFO TO FOLLOW: SOIL REMOVAL FROM SITE NBR 3 CONTINUES. 22 ADDITIONAL TRUCK LOADS (55 CUBIC YARDS) HAVE BEEN TRANSPORCED TO THE TEMPORARY BURIAL PIT AT SITE NBR 2. AS OF 0800 HOURS, 7 FEB 66 A GRAND TOTAL OF 34 TRUCK LOADS (102W CUBIC YARDS) HAD BEEN REMOVED TO THE TEMPORARY BURIAL PIT AT SITE NBR 2. CONTROL OF DUST BY WATERING HAS BEEN SUCCESSFUL. DETAILED MONITORING IS BEING ACCOMPLISHED THROUGHOUT THE AREA. DETAILED MONITORING IS BEING ACCOMPLISHED THROUGHOUT THE AREA. ALL CONTAMINATED CROPS HAVE BEEN CUT DOWN AND STACKED. THESE STACKS OF CONTAMINATED CROPS WILL BE PLACED IN THE TEMPORARY BURIAL PIT AFTER COMPLETION OF THE SOIL REMOVAL FROM SITE NBR 3.

2-6-3663

[REDACTED]
VAGE THRE RUTQBN 5A S E [REDACTED] RESTRICTED DATA [REDACTED] 054

SITE 3 INFO TO FOLLOW: THE SCRAPING OFF OF TOPISOIL WHICH HAS A READING OF 7000 VPM OR MORE IS CONTINUING. PRIOR TO THE SCRAPING OF AN AREA IT IS WATERED DOWN TO PREVENT THE SPREAD OF DUST. AIR SAMPLES TAKEN DURING THE SCRAPING OPERATIONS INDICATE NEGATIVE. THE ROAD BETWEEN SITE NBR WW AND SITE NBR 3 IS CONTINUOUSLY WATERED TO PREVENT DUST.

SITE 5 INFO TO FOLLOW: THE MONITORING OF HOUSES AND WELLS IS CONTINUING. ISOLATED AREAS OF CONTAMINATION OF 7000 CPM OR MORE ARE IDENTIFIED. DECONTAMINATION OF THESE IDENTIFIED AREAS IS CONDUCTED UNTIL A READING OF LESS THAN 7000 CPM IS ATTAINED. THE CISTERN AT THE SCHOOL STILL INDICATES SOME COUNTS OF OVER 7000 CPM. THE DECONTAMINATION OF THIS CISTERN IS BEING REACCOMPLISHED.

SITE 6 INFO TO FOLLOW: USAF AND SPANISH MONITORS ARE PERFORMING DETAILED MONITORING IN THE PRHKNM OF VILLARICOS AND THE AREA ADJACENT TO THE PUEBLO. ISOLATED READINGS HAVE VARUED FROM ZERO TO 5,000 CPM.

MISCELLANEOUS: CAMP SITE MONITORING CONTINUES TO REVEAL NEGATIVE RESULTS. SEA WATER AND SHOWER EFFLUENT TESTS ARE ALSO NEGATIVE. 2,000 URINE ZOTTLES AND 1000 URINE BAGS HAVE BEEN DELIVERED TO THE SPANISH NEC PERSONNEL. PAC-15 STATUS IS GOOD. OF 5 TESTERS.

AVAILABLE

RY

FOI 100092

2-6-3663

PAGE FOUR RUTQBN 9A SSE [REDACTED]

19 ARE OPEGATIONAL. 34 URINE SAMVLES WERE COLLECTED ON 5 FEB, 62
URINE SAMPLES WERE COLLECTED ON 6 FEB, ALL HAVE BEEN FORWARDED TO
WPAFB FOR TESTING.

CLAIMS: PAID TWO EMERGENCY CLAIMS ON 5 FEB FOR A TOTAL OF \$50.00.
TOTAL EMERGENCY CLAIMANTS TO DATE IS 98, TBIAL PAYMENT IS \$4,331.00

G. NO CHANGE

H. NO CHANGE.

I. NM CHANGE.

J. CO CHANGE.

K. SEE "F" ABOVE

L. CO CHANGE.

M. NO CHANGE.

N. E CHANGE.

O. A.B. BRUBAKER, CAPTAIN, HQ 16AF, DM4E, EXT 3003, TGRREJON AB,
SPAIN. THIS REPORT SUBMITTED FROM ACCIDENT SITE. GP-1.

BT
P5

[REDACTED]
2-6-366B

PAGE 2 RUTGERS

2-6-3458 3-6-3570 2-6-3646 2-6-3895
C 00149, 4 FEB 66; C 00160, 5 FEB 66; C 00174, 7 FEB 66; C 00193.

2-6-5316 2-6-5210 2-6-3221 3-6-3225
C 00323, 23 FEB 66; C 00351, 27 FEB 66; C 00379, 2 MAR 66; C 00423,

7 MAR 66; 17 MAR 66. THIS REPT COVERS REQUIREMENTS OF ATTCH 4, AFR
127-4. GP-1.

A. NO CHANGE.

B. NO CHANGE, WEAPON NR. 1, MK 28YL, MOD 2, SERIAL NUMBER 4545, HAS
NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE. E. NO CHANGE. F. THE SEARCH FOR WEAPON NR 4 STILL CONTINUES.

THE FOLLOWING

ACTIVITIES WERE CONDUCTED BETWEEN 1800 HOURS 6 MARCH 1966 AND 1800
HOURS 13 MARCH 1966.

SITE NR 2 INFO TO FOLLOW: ALL PLOWING AND MULCHING COMPLETED ON
7 MARCH 1966. DRUMS FOR THE SHIPMENT OF SOIL AND VEGETATION ARRIVED
AND PROCEDURES TO FILL AND SEAL DRUMS WERE WORKED OUT.

SITE NR 3 INFO TO FOLLOW: THE REPLACEMENT OF TOP SOIL AND ROCK
WALL FENCES COMPLETE AND PLOWED. CISTERN REPAIR. WHITE WASHING OF
HOUSES AND REPAIR OF IRRIGATION DITCHES COMPLETED. THIS SITE IS

P-3

SECRET

13-6-4398

E 3 RUTQB

SIDERED COMPLETE

SITE NR 5 INFO TO FOLLOW: THIS SITE IS COMPLETED.

MISCELLANEOUS: CAMP MONITORING CONTINUES TO BE NEGATIVE.

INGENT MONITORING CONTINUES ON OUTGOING PERSONNEL, VEHICLES AND
IPMENT. 186 PERSONNEL WERE PROCESSED THROUGH THE MONITORING
TER. 844 SEPERATE PLOTS COVERING 385 ACRES HAVE BEEN RETURNED TO
DOWNERS. THE ONLY REMAINING PLOT TO BE RETURNED TO LANDOWNERS IS
TEMPORARY PIT IN SITE NR 2 CONTAINING CONTAMINATED SOIL AND

STATION. 1214 VEGETATION AND SOIL FILLED DRUMS ARE ON THE BEACH
TING ARRIVAL OF THE USS BOYCE. ALL DRUMS WERE OFF LOADED ON

3 MARCH 1966 AND THE ALMA VICTORY DEPARTED 1400A 13 MARCH 1966.

AC-1S8S HAVE BEEN SHIPPED TO TORREJON AIR BASE FOR RETURN TO
NG BASES 11 MARCH 1966.

TOTAL FINAL CLAIMS PAID; 43 FOR \$35,880.00.

/A

/A

/A

/A

EE "F" ABOVE.

CHANGE

4 RUTQBN 6A

CHANGE

CHANGE

LONEL A.E. WHITE, 16TH AIR FORCE (DE), EXT 3420. THIS REPT
ATED FROM ACCIDENT SITE. GP-1

3-6-4398

FC/0211

PRIORITY

NNNNEAPUA465TUA780QTC689

171100Z MAR 66

PP RUWPUJ

DE RUTQEN 6A 0761420

ZNY SSSSS

P 171407Z MAR 66

FM16ADVON SPAIN

TO RUWPPA/USAEALBUQUERQUE NMEX

INFO RUWPQS/SANDIA CORP ALBUQUERQUE NMEX

RUWPQL/LOS ALAMOS SCIENTIFIC LAB LOS ALAMOS NMEX

RUWPUJ/FC DASA SANDIA BASE ALBUQUERQUE NMEX

RUEPXG/USAEAL WASH DC

75

~~SECRET~~
S ~~SECRET~~ -00497 MAR 66. AEC ABQ/FOR W F WHITE, AEC
WASH/FOR LCDR HEDRICK DIV OF MIL APPLN, SANDIA CORP/FOR DEPTS
9320 AND 1540, LASL/FOR FRANK DUNN, DASA/FOR LCCL JOHNSON. SUB-
MERSIBLES HAGE LOCATED A PARACHUTE COVERED OBJECT AT A DEPTH OF
ABOUT TWO THOUSAND FIVE HUNDRED FIFTY FEET. AWAITING POSITIVE
IDENTIFICATION OF THE COVERED OBJECT AS THE MISSING WEAPON. WILL
ADVISE WHEN CONFIRMED. FROM E W GRIFFITH, AEC. GP-4.

BT

ACTION

INFO

OP. 789
Called 0835
Sgt Swan

SE-10

TG-11/72

DV-13/4/5

AM-10

Detail 2401 66

3-6-4722

Wpms

~~SECRET~~

PRIORITY

NNNNTPUA054 TUA477QTD093

FM RUWPUJ

DE RUTQEN 3 079:100

ENY SSSSS

Z 201:00Z

FM 16AF TORREJON AB SPAIN

20 MAR 66 0800
Deserter
H.G.

ACTION	INFO
017,8,9	SE-10
	TG-11, 12
	DV, 13, 14, 15
	AM-16
	FCAG2

TO RUWPUJ/AEC ALO ALBUQUERQUE NM

RUEPXH/USAEC WASHINGTON DC

RUWPGS/SANDIA CORP ALBUQUERQUE NM

RUWPQL/DIR LASL LTSALAMOS NM

RUWMFNA/DIR OF NUCLEAR SAFETY KIRKLAND AF BND

RUWPUJ/COMDR EC DASA ALBUQUERQUE NM

~~THIS DOCUMENT CONTAINS INFORMATION OF A SECRETARY OF DEFENSE~~
~~EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION~~
~~EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION~~

BT

... DAS W00000 MARCH 1966. AEC/ALO FOR WALTER F. WHITE
USAEC DMA ATTN: LCDR HEDRICK; SANDIA CORP ATTN: W.R. HOAGLAND 1544
AND R. C. MAYDEW 9320; LASL ATTN: F. DUNN. SEA SEARCH ATTEMPT TO
PLACE STEEL ROD INTO SLOPE TO ASSIST IN TAKING DOWN LIFT LINE
PROVED UNSUCCESSFUL WHEN ROD PULLED OUT. ALVIN WILL ATTEMPT
TO CORRECT LIFT LINES TO CHUTE OR CLIP-IN-RACK WHEN REPAIRS
COMPLETED. ALMOST ZERO VISIBILITY IN AREA OF CONTACT DUE
SUSPENDED SILT. NO NEW PHOTOS, ALVIN SUBMERGED LAST NIGHT
TO ASSIST IN CARRYING LIFT LINES FROM SLED TO TARGET BUT
ATTEMPT ABORTED AFTER SEVEN HOURS. ALVIN RE-VISITED

~~SECRET~~

3-6-5024

P1

~~TC70166092~~

PAGE 2 RUTQBN [REDACTED] ~~SECRET~~

THE TARGET AND DETERMINED IT HAS SLID ABOUT TWENTY FEET DOWN SLOPE. NAVY SUGGEST RESIST OPTIMISTIC ESTIMATE FOR SWIFT RECOVERY DUE TO WEATHER, OPERATIONAL ENVIRONMENT, EXPERIMENTAL TECHNIQUES, AND PREVIOUS TARGET POSITION. WHEN WEATHER PERMITS WILL COMMENCE POSITIONING DANFORTH ANCHOR NEAR TARGET USING MIZAR AND TRANSPONDERS. ANCHOR CABLE WILL CARRY RECOVERY DEVICES FOR DELIVERY TO THR TARGET BY ALVIN. SEA/WIND CONDITIONS CRITICAL. NEW SUBJECT SOITREMOVAL. 2,523 DRUMS NMW LOADED ABOARD USNS BOYCE. EXPECT TO COMPLETE LOADING ON 22 MAR 66.

BT

~~SECRET~~

3-6-5024

R2

PAGE 2 RUWMFNA1507 [REDACTED]

MR. STU ASSELIN, SANDIA CORPORATION, TO 16TH ADVON
IMMEDIATELY AS ON-SCENE TECHNICAL REPRESENTATIVE OF
THE DESIGN AGENCY. ASSELIN PLANS TO ARRIVE MADRID
221300Z ON TWA 900. THIS DIRECTORATE REQUESTS THAT
FULL TECHNICAL SUPERVISION BE EXERCISED IN THE
RETRIEVAL, RENDER-SAFE, AND PACKAGING OPERATIONS IN
ORDER THAT MAXIMUM POST-MORTEM BENEFITS ARE DERIVED
FOR FUTURE NUCLEAR SAFETY CONSIDERATIONS. ASSELIN
CLEARANCE BY SEPARATE MESSAGE. GP-4.

BT P 2 [REDACTED]

3-6-5083

10701000725

22 MAR 66 11:30

PRIORITY

PUA330YTIH870

PP RUWPUJ

DE RUTQBN 2 0810945

ZNY SSSSS

P 220903Z

FM 16AF TORREJON AB SPAIN

TO RUWPQA//7SAEC ALO ALBUQUERQUE NMEX

RUEPXG/USAEC WASH D C DMA

RUWPQS/SANDIA CORP ALBUQUERQUE NMEX

RUWPQL/DIRECTOR LOS ALAMOS SCIENTIFIC LAB LOS ALAMOS NMEX

RUWMFNA/DIRECTOR OF NUCLEAR SAFETY KIRTLAND AFB NMEX

RUWPUJ/COMMANDER FC DSA ALBUQUERQUE NMEX

BT

ACTION

INFO

OP-7,8,9

SE-10

T6-11,12

DV-13,14,15

Am-16

DOC. 13003 MAR 66. FROM E.W. GRIFFITH, AEC.

ATTN: W.F. WHITE ATTN: LCDR G. MEDRICK ATTN: W.R. HOAGLAND, 154

ATTN: R. C. MAYDEW, 9320 ATTN: F. DUNN

WILL BRIEF STU ASSELIN PRIOR TO HIS DEPARTURE FOR ACCIDENT
SCENE. WINDS FROM 30-35 KNOTS CONTINUED TO HAMPER RECOVERY

OPERATIONS THROUGH 21 MARCH. FORECAST IS FOR CALM WEATHER

FOR NEXT 24 HOURS. BARRELS ARE ALL FILLED AND TOTAL 4,879.

DEPARTURE OF CARRIER VESSEL BOYCE MAY BE DELAYED DUE TO

SLOW DOWN IN LOADING OPERATION CAUSED BY WIND. GP-1.

3-6-5140

WPN'S DISCP

22 MAR 66 20 15

PUA446TUA882QTC434

PP RUWPUJ

DE RUTQBN 7 081153Z

ZNY SSSSS

P 221500Z

FM 16AF TORREJON AB SP

TO RUWPQA/AEC ALO SANDIAB NMEX

RUEOFSNZEMIEC WASH DC

RUWPQS/SANDIA CORP ALBUQUERQUE NM

RUWPG/DIR LOS ALAMOS SCIENTIFIC LAB LOS ALAMOS NM

RUWPFNA/DIR OF NUCLEAR SAFETY KIRTLAND AFB NM

RUWPUJ/COMMANDER FC DASA ALBUQUERQUE NM

PRIORITY

ARMED

INFO

OP-38,9

SE-10

TG-11,12

DV-13,14,15

AM-16

called by
2200Z

OCDD 13005 MER 66. FROM: 2. GRIFFITH, AEC. FOR:
WHITE, USAEC, ALO; LCDR. HEDREICK, USAEC, WASH, D.C.; R.C.
HAYDEN 9320, AND W.R. HOAGLAND 1544, SANDIA; F.DUNN, LOS
ALAMOS; AN ALL STEEL J79 JET ENGINE CONTAINER 14FT-2IN
IN LENGTH, 8FT-3 IN IN HEIGHT AND 5FT-2IN IN WIDTH IS BEING
RAIL TRANSPORTED TO SAN JAVIER THIS AFTERNOON FOR USE AS A
CONTAINER FOR PACKAGING WEAPON. GEN WILSON HAS INDICATED
THAT IN ADDITION TO HIMSELF HE WISHES TO HAVE STU ASSELIN,
AEC TEAM; XLT COL NEAL, DNS, AND TWO AF EOD PERSONNEL PRESENT
WHEN THE UNIT IS RAISED TO ASSIST IN MAKING INSPECTIONBN
RENDER SAFEGN AND FOR PACKAGING. GP-1.

3-6-5184

npms Diseg

NNNNPUA447WZB144

RR RUWPUJ

DE RUEPWZ 10 0811924

ZNY SSSSS

R 221916Z

FM DASA

TO RUWPUJ/COMFLDCOM DASA SANDIAB NMEX

RUEPXG/USAEC GERMANTOWN MD

BT

REF ID: A687102 FROM OPWS

COMFLDCOM DASA FOR JACC.

THE FOLLOWING CTF 65 MESSAGE DTG 192008Z IS QUOTED FOR YOUR INFORMATION:

QUOTE

AIRCRAFT SALVOPS MED

SITREP EIGHT - THREE

A. MY 182006Z

1. OPERATIONS VICINITY CONTACT NR 261 CONTINUED. ATTEMPTED TO

R1

~~SECRET~~

3-6-5189
DASA

ADVICE	INFO
OP-789	SE-10 TG-11,12 DV-13,14,15 AM-16

PAGE 2 RUEPWZ 10

POSITION MIZAR SLED IN VICINITY OF TARGET BUT WIND/WAVE ACTION PREVENTED ACCURATE POSITIONING. ALVIN SUBMERGED THIS PERIOD TO ASSIST IN CARRYING LIFT LINES FROM SLED TO TARGET. AFTER SEVEN HOURS ATTEMPT ABORTED AND ALVIN SURFACED AT 190430Z. VISIBILITY ON BOTTOM ALMOST ZERO. VECTORED BY MIZAR, ALVIN RE-VISITED TARGET AND DETERMINED IT HAD TOPPLED AND SLID APT TWENTY F, DOWN SLOPE. ALVIN IN 150 WELL DECK FOR 12 HR BATTERY CHARGE AND MAINTENANCE. 2. COMMUNICATING NOON WIND INCREASED TO 55 KTS WITH MOUNTING SEAS PREVENTING ACCURATE POSITIONING SHIPS AS WELL AS SUBMERSIBLE. DEW POINT FORECAST FOR CONDITIONS NEXT TWO DAYS UNFAVORABLE. NO RECOVERY PERMITTED BY COMMANDER. CHARLIE INVOLVING IN RECOVERY DANGEROUS NEAR TARGET USING MIZAR AND TROOPERS. RECOVERY CASE WILL CARRY RECOVERY DEVICES FOR DELIVERY TO TARGET. ALVIN SEA/WIND CONDITIONS CRITICAL. AS MUCH AS POSSIBLE OF ESTIMATES FOR SWIFT RECOVERY. CONTACT WITH WEATHER, UNPRECEDENTED OPERATIONAL ENVIRONMENT, EXTENSIVE TECHNIQUES, PRECARIOUS TARGET POSITION, AND MANEUVERING REQUIREMENTS AND SUBMERSIBLES ARE FACTORS WHICH WILL BE ADDITIONAL TO CONTINUE TO RETARD PROGRESS.

3-6-5189

3 RUEPWZ 10 [REDACTED]

• RIVAL (OBSS) SEARCHED 1000 BY 200 YARD AREA WITH SW CORNER
TED AT LAT 37-13, 5N7, LONG 01-44, 2W1 LONG AXIS 125T
D AREAS A21 AND A28) RESULTS TO BE EVALUATED.

• SALUTE COMMENCED SEARCH OPERATIONS WITH PC-3B

ARINE TO SEARCH FOR LOST OBSS. OBSS LOCATED LAT 37-14, 1N5,

01-43, 47W5. POSITION MARKED WITH TN BOUY. CUBMARINE

BOTTOM TIME 2 HRS AND 35 MIN. SALUTE (UQS-1) HEN COMMENCED

CH IN GRID AREA 22, 23, AND 24. SEARCH IN PROGRESS.

• NOTABLE (UQS-1) SEARCHED 1000 BY 2000 YARD AREA

SW CORNER LOCATED AT LAT 37-13, 3N JUN LONG 01-45, 9W9

AXIS 035T (GRID AREAS A3 AND A4), NEGATIVE RESULTS.

• TRINGA WITH U/V TV INVESTIGATED CONTACTS 72 AND 74.

ATIVE RESULTS. TB HAD BOTTOM TIME 7 HRS. TRINGA DEPARTED

CARTAGENA AT 150843Z

USNS GEORGE W. BOYCE HAS LOADED ON BOARD TOTAL 2523/2 DRUMS.

OPS 19-20 MARCH.

• TG 65.2.

(1) SALUTE AT 200615Z COMMENCE OPERATIONS WITH PC-3B

MARINE). SEARCH FOR OBSS.

3-6-5109

~~SECRET~~

NNNNPUA455VV WZBI 45

RR RUWPUJ

DE RUEPWZ 12 0811954

ZNY SSSS ~~EXCLUDED FROM AIRWAY~~

R 221852Z

JN DASA

ACTION	INFO
OP-7,89	SE-10
	TG-11,12
	DV-13,14,15
	NM-16

TO RUWPUJ/COMFLDCOM DASA SANDIAB NMEX

RUEPKG/AEC GERMANTOWN

BT

~~SECRET~~ NOECON YPUQPQ FROM OPWS

COMFLDCOM FOR JNACC

THE FOLLOWING MSG IS QUOTED FOR YOUR INFORMATION:

~~SECRET~~ NOECON

AIRCRAFT SALVOPS MEDICAL

SITREQ EIGHT-FOUR

A. NY 192008Z

1. ADVERSE WEATHER CONDITIONS PREVENTED RECOVERY OPERATIONS, SWELLS REMAINED HIGH (4-7/4 FT), BY LATE AFTERNOON EASTERLY WINDS 22-30 KTS WITH MOUNTING SEAS.

3-6-5196

DASA

FC/01660923

PAGE 2 RUEPWZ 12 S ~~SECRET~~

2. TG 65.2

A. RIVAL (OBSS) SEARCHED 1000 BY 2000 YARD AREA WITH SW CORNER

3. USNS LT GEORGE W. G. BOYCE HAS LOADED ON BOARD TOTAL 2664/8 DRUMS, ADVERSE WEATHER CONDITIONS PREVENTED ADDITIONAL LOADING OPERATIONS.

4. OPS 20-21 MARCH

A. TG 65.2

(1) SALUTE AT 210615Z COMMENCE OPERATIONS WITH PC-38 (SUBMARINE), SEARCH FOR OBSS.

(2) ABILITY ASSUME BARRIER PATROL AT 201900Z.

(3) NOTABLE WITH UQS-1 SEARCH 1000 BY 2000 YARD AREA WITH SW CORNER LOCATED AT LAT 37-1, 0N8, LONG NVSXTIFQM LONG AENY LQ 035T, (GRID AREA A31 AND A32),

(RL RIVAL WITH OBSS CONTINUE 1000 BY 2000 YARD AREA WITH SW CORNER LOCATED AT LAT 37-13, 15N0, LONG 01-41-4W0, LONG AXIS 035T (GRID AREAS B23 AND B24), UPON COMPLETION SEARCH 1000 BY 2000 YARD AREA WITH SW CORNER LOCATED AT LAT 37-14, 5N4, LONG 01-42, 25W4, LONG AXIS 125T, (GRID AREAS G17 AND G32),

(B) TG 65.3

~~SECRET~~

3-6-5196

P-2

PAGE 3 RUEPVZ 12 [REDACTED]

(1) EOD/MIZAR/HOIST/ALVIN CONTINUE OPERATIONS ON CONTACT NR 261.

(2) PETRAL WITH HARD HAT DIVERS RECOVER OBSS LOCATED AND BUOYED

AT LAT 37-14, 25N2, LONG 81-43, 5W3

(3) LUISEND RECOVER LOST ANCHOR, AND PREPARE FOR OPS VICINITY
CONTACT 261.

(C) WHEN WEATHER PERMITS MIZAR PREPARED LAY ANCHOR NEAR
CONTACT NR 261 USING TRANSPONDER ON ANCHOR CABLE AND MIZARS
UNDERWATER TRACKING EQUIP, ALSO ON ANCHOR CABLE WILL BE PINGER
FOR ALVIN DIRECTIONAL HOMING. ALVIN WILL BE USED TO RUN LIFT
LINES TO TARGET FROM ANCHOR WHEN LATTER POSITIONED." GP-1

BT

P-3

3-6-5196

NNNNPUA268WZB255

RR RUWPUJ

DE RUEPWZ 26 0842232

ZNY SSSSS

R 252228Z

FM DASA

TO RUWPUJ/C OMFLDC OM DASA SANDIAB NMEX

RUEPXG/USAEC GERMANTOWN MD

BT

607112 FROM OPVS

REFERENCE: MSG FM CTF SIX FIVE DTG 0241932Z MAR 66 N/R

THE FOLLOWING MSG IS QUOTED FOR YOUR INFORMATION:

AIRCRAFT SALV OPS MED

SITREP EIGHT-EIGHT

A. MY 232000Z N/R

1. HIZAR, HOIST, FT SNELLING ON RECOVERY STATIONS. ALVIN DIVED A.M.
PROCEEDED TO TARGET AND ENGAGED ONE GRAPNEL ATTACHED TO RECOVERY LINE.
IN SIX PARACHUTE HARNESS STRAPS, EACH STRAPE ATTACHED FOUR SHROUDS,
DIVE DURATION 7 HRS 32 MIN. ALVIN WILL CONDUCT 12 HR BATTERY CHARGE
AND WILL RESUME PLAN CHARLIE OPS FORENOON 25 AMR. GP-1

BT

ACTION

INFO

25 MAR 66 23 07

OP-7.8

SE-9

TG-10,11

DV-12,13,14

AM-15

EXCERPT
RE

3-6-5620

DE RUEPWZ 27 0842324

ZNY SSSSS

R 252319Z

FM DASA

TO RUWPUJ/COMFLDCOM DASA SANDIAB NMEX

RUEPXG/USAEC GERMANTOWN MD

BT

~~SECRET~~ NOFORN 607113

REFERENCE: MSG FM CTF SIX FIVE DTG 241945Z MAR 66

THE FOLLOWING MSG IS QUOTED FOR YOUR INFORMATION

AIRCRAFT SALVOPS MED

SPECIAL SITRA 24-7

ALVIN DEBRIEF REVEALS: MAY LOSE PRESENT GRAPNEL HOLD ON SHROUDS/ RISERS IF ATTEMPT GET ADDITIONAL LINES ON SHROUDS. CHUTE NOW FOLLOWING MAKING IT DANGEROUS ALVIN WORK ON SHROUDS IN AND CAUSING SILT CLOUDS. PINGER ON RECOVERY RIG WEAKENING AND MAY NOT LAST MUCH

PAGE 2 RUEPWZ 27

LONGER. ADDITIONAL, POODLE (RECOVERY RIG) LINES FOULED AND UNUSABLE.

2. AM CONSIDERING ATTEMPTING LIFT OBJECT

ABOVE AND FAVORABLE WEATHER" GP-1.

BT

ACTION

INFO

SE-9
TG-10,11
DV-12,13,14
AM-15

EXCLUDED FROM AUTOMATIC

DIR 5200

SECRET

SECRET

3-6-5634

5010100923

NNMNP UA281VZB259

RR RUWBJ

DE RUEPWZ 28 0842329

ZNY SSSSS

R 252320Z

FM DASA

TO RUWPUJ/COMFLDCOM DASA SANDIAB NMEX

RUEPXG/USAEC GERMANTOWN MD

BT

607114 FROM OPWS

REFERENCE CTF SIX-FIVE MSG DTG 250214Z MAR 66

THE FOLLOWING MSG IS QUOTED FOR YOUR INFORMATION:

ACFT SALVOPS MED (U)

SPECIAL SITREP 24-10

A. MY 242108Z SITREP 24-9 M12

1. INSPECTION RECOVERED RIG REVEALS LINE FROM ANCHOR TO TARGET WAS CUT. PROBABLY AS RESULT HAVING FOULED ACROSS ANCHOR FLUKE. THIS FURTHER SUBSTANTIATED BY FACT SAME SIZE NYLON ABOVE ANCHOR

ACTION

INFO

OP-7,8

SE-9

TG-10,11

DV-12,13,14

AM-15

3-6-5635

PAGE 2 RUEPWZ 28 **SECRET**

THROUGHOUT. **SECRET**

2. BOTH RECOVERY RIG (POODLE) AND UNCHOR BROKE CLEAR OF BOTTOM NICELY. THERE WAS THEN SHORT PERIOD OF LIGHT STRAIN FOLLOWED BY MODERATE STRAIN FOR MATTER OF ONLY MINUTES BEFORE RADICAL REDUCTION IN STRAIN INDICATED LINE HAD PARTED AT SOME POINT.

3. UNABLE TO DETERMINE EXTENT OF TARGET MOVEMENT BUT IF IT MOVED IT WAS UP SLOPE. BELIEVE FINGERS STILL WITH CHUTE AND CAN RETURN TO TARGET USING PREVIOUS METHODS.

4. REGRET FIRST ATTEMPT TO LIFT UNSUCCESSFUL. AM RE-RIGGING TO USE SIMILAR METHOD BUT TAKING ADVANTAGE LESSONS LEARNED TO PREVENT FOULING OF LINES. ANTICIPATE ALVIN RE-CHARGED AND REDY MID-MORNING 25 MAR. MIZAR WILL BE STANDING BY TO PLANT NEW ANCHOR RIG AFTER TARGET RECONNECTED.

GP-12 **SECRET**

BT

3-6-5635

~~SECRET~~

NNNNPUA397TUA640QT4972

1 APR 68 17

IMMEDIATE

00 RUWPUJ

DE RUTQEN 7 0972120

ZNY SSSSS

0 072015Z

FM 16AF TORREJON AB SP

TO RUEKDA/SECRETARY OF DEFENSE WASHDC

RUEAHQ/C SAF USAF WASHDC

RUWMFNA/DIR NUC SFTY KIRTLAND AFB NM

RUWHNFDEP INSPSFTY NORTON AFB CALIF

RUCSC/SAC

RUCVAA/2AF BARKSDALE AFB LA

RUETHB/8AF WESTOVER AFB MASS

RUCVHU/42AIRDIV BLYTHEVILLE AFB ARK

RUESR/822AIRDIV TURNER AFB GA

RUCVHU/97BOMBWG BLYTHEVILLE AFB ARK

RUETFK/68BOMBWG SEYMOUR JOHNSON AFB NC

RUEBBAA/AFSC

RUEDSQ/AFLC WPAFB OHIO

RUWGNH/SAAMA KELLY AFB TEX

RUWMFNA/AFSWK KIRTLAND AFB NM

RUWHHL/OOAMA HILL AFB UTAH

ACTION	INFO
DP-7,8,9	SE-10
	TG 11,12
	DV 13,14,15
	AM-16

IMMEDIATE

~~EXCLUDED FROM~~

deleted 240000C

4-6-3694

upn Disc

P-1

NK/OCAMA TINKER AFB OKLA

RUWTBTA/DAD ATB EGLIN AFB FLA

RUWMFNA/AEC ALO KIRTLAND AFB NMEX

RUWPUJ/SANDIA CORP SANDIA BASE NMEX

RUWPQL/LASL LOS ALAMOS NMEX

RUEPXG/AEC DMA WASHDC

INFO RUCVSK/SAC OTSL CARSWELL AFB TEX

RUFPBWT/USAFE CP

RUWPUJ/FC DASA SANDIA AFB NM

RUTQEN/CHIEF JUSMG MAAG SPAIN

RUTQEN/16ADVON

BT

~~SECRET~~
S. 1-6-532
RESTRICTED DATA/9, OFORN/DC 12009 AGR 66. SUBJ: FINAL
REPORT OF NUCLEAR ACCIDENT (BROKEN ARROW). SEC DEF FOR ASTD (AE);
CSAF AND AFIGT, AFFIS AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO,
DM, DOSD; 2, 8, 42 822AD (DO, DM, DS); 68 & 97 BW (DCO, DCM, DS);
SCIZ; MASS; SWN; OOYS; JUSMG FOR GEN DONOVAN; FC DASA FOR FC GP
AND FCDV; AEC/ALO FOR MR. WHITE; SAFDIA CORP, SANDIA BASE FOR
1540 AND 9320; LASL, LOS ALAMOS FOR DR. ROY; THIS CONSTITUTES
ADDITION OR CORRECTED INFO TO REPTS FROM 16AF ADVON SECRET

RESTRICTED DATA MSG C00010, 23 JAN 66; C00028, 24 JAN; C 00034
25 JAN 66; C00041, 26 JAN 66; C00054; 27 JAN 66; C00066, 28 JAN 66
1-6-5373 1-6-5376 1-6-5321 1-6-5322

~~SECRET~~

1-6-3694

PAGE 2 RUTQBN 01A 8-2
1 FEB 66; C00123, 2 FEB
MENTS OF ATCHM'T 4, AFR

A. NO CHANGE.
B. NO CHANGE. NUMBER 4 WE
IAS NOT BEEN FOUND.

NO CHANGE.

NO CHANGE

NO CHANGE.

INTENSIVE SEARCH STILL CONT
AP OSTALON AND SMSGT FRIEN
ON AIR BASE FOR SUBSEQUENT
EETINGS WITH SPANISH NEC F
TRUKTION OF THE BURIAL PIL
D ON TOP AND BOTTOM AND 2
SELF SUPPORTING CONCRETE
LESS.

NEC PERSONNEL ARE CONDUCT
CAUSE OF SEVERAL THOUSAND
ON THE BEE HIVES AND HONEY.

00134 FEB 66.

L REPORT NO. 12 (ADVON) OF NUCLEAR ACCIDENT
EC DEF FOR ASD (AE); CSAF AND AFIGO, AFIIIS,
FOR GEN RYAN AND DO,DM, DOSD; 2, 8, 16AF,
M,DS); 68 & 97BW (DCO, DCM,DS); SCIZ; MCASS;
FOR GEN DONOVEQ; FC DASA. THIS CONSTITUTES
RECTED INFO TO REPTS FROM 16AF ADVON SECRET/RD

1-6-5316 1-6-5532
1 66, C 0028, WWR JAN 66; C00034, 25 JAN 66;
1-6-5843 1-6-9029
5; C00054, 27 JAN 66; C00066, 28 JAN 66;
1-6-9189 1-6-9216
5; 00085, 30 JAN WYYV C00098, 31 JAN 66; C00111, NR

2-6-3308

20101660925

~~SECRET~~

PAGE 2 RUTQBN 01A ~~SECRET~~

2-6-3185
1 FEB 66; C00123, 2 FEB 66; 3 FEB 66. THIS RPT COVERS REQUIRE-
MENTS OF ATCHM'T 4, AFR WQWUARM

A. NO CHANGE.

B. NO CHANGE. NUMBER 4 WEAPON, MK 28Y1, MOD 2, SERIAL NUMBER 245305
HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE

E. NO CHANGE.

F. INTENSIVE SEARCH STILL CONTINUES FOR WEAPON NUMBER 4.

MAJOR APOSTALON AND SMSGT FRIEND HAVE DEPARTED ACCIDENT SITE TO
TORREJON AIR BASE FOR SUBSEQUENT TRANSPORT TO CONUS.

DAILY MEETINGS WITH SPANISH NEC PERSONNEL: BASIC AGREEMENT ON
THE CONSTRUCTION OF THE BURIAL PIT HAS BEEN ACCOMPLISHED, IE 1 1/2 MM
LEAD LINED ON TOP AND BOTTOM AND 2 1/2 MM LEAD LINED ON SIDES. ROOF
WILL BE OF SELF SUPPORTING CONCRETE OF APPROXIMATELY 15
INCH THICKNESS.

THE SPANISH NEC PERSONNEL ARE CONDUCTING AN INVESTIGATION AND
TESTS ON THE CAUSE OF SEVERAL THOUSAND BEES, TEST SHALL
ALSO BE MADE ON THE BEE HIVES AND HONEY. FURTHER RESULTS WHEN

AVAILABLE.

~~SECRET~~ - ATOMIC ENERGY ACT 1954

2-6-3308

P-4

~~SECRET~~

~~SECRET~~
PAGE 3

TODAY USAF PERSONNEL ARE REMOVING THE WATER FROM THE SCHOOL'S DRINKING WATER CISTERN, THE CISTERN SHALL BE CLEANED AND THE WATER SHALL BE REPLACED WITH POTABLE WATER.

SITE 2 INFO FOLLOWS: ARMY MINE-SWEE TEAM CONTINUING WORK, RESULTS OF THEIR CLEAN-UP OF SMALL DEBRIS IS NOTEWORTHY. DURING GRADING AND BULLDOZING OPERATIONS, WATERING FOR DUST CONTROL AND AIR SAMPLING ARE PERFORMED. NINE SAMPLES TAKEN AND RESULTS ARE ALL NEGATIVE.

THE 7,000 CPM LINE HAS BEEN ESTABLISHED AND MAPPED. CROP REMOVAL HAS COMMENCED.

TRUCKS EQUIPPED WITH LARGE ENCLOSED PLYWOOD BOXES HAVE BEGUN MOVING VEGETATION FROM CLEARED FIELDS TO LINE PIT. (AFTER CONSTRUCTION OF BURIAL PIT IS COMPLETED THIS VEGETATION WILL BE REMOVED FROM THE LINE PIT AND PLACED IN THE BURIAL PIT).

SITE 3 INFO FOLLOWS: CROP CLEARING OPERATION IS CONTINUING. PLOTS ARE BEING SELECTED FOR WATERING, PLOWING AND RECONTORING OPERATIONS.

VILLAGE: THE VILLAGE OF PALOMARES HAS BEEN REDESIGNATED SITE 5.

ALL REFERENCE TO PALOMARES HERE AFTER WILL BE TERMED SITE 5. USAF

AND NEC MONITORING OF SITE 5 IS COMPLETED.

~~SECRET~~
2-6-3308

PAGE 4 RUTQB

CAMP AREA: CAMP AREA AND EQUIPMENT MONITORING WAS ACCOMPLISHED
WITH NEGATIVE RESULTS. SEA WATER SAMPLE RESULTS WERE NEGATIVE.
CLAIMS: EMERGENCY CLAIMS PAID ON WW FEB 66, 2 CLAIMANTS WERE PAID
\$466.67. TOTAL CLAIMANTS TO DATE 79, TOTAL AMOUNT CLAIMS PAID TO
DATE \$311MIRM

G. NO CHANGE.

H. NO CHANGE

I. NO CHANGE.

J. NO CHANGE

K. SEE "F" ABOVE.

L. NO CHANGE.

M. NO CHANGE.

N. NO CHANGE.

. A.B. BRUZAKER, CAPTAIN, HQ 16AF, DM4E, EXT 3003, TORREJON AB,
PAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE. GP-1

BT

SECRET

2-6-3308

NNNN

PRIORITY

NNNNPUA335VV TUA642PQA736

PP RUWPUJ

3 FEB 66 22

ACTION

INFO

DE RUWPQA 195C 0342030

ZNY SSSSS

P 032021Z

OP-7,8,9

SE-10

TG-11,12

DV-13,14,15

AM-16

FM W F WHITE USAEC ALBUQUERQUE NMEX

TO RUT 05W16AF TORREJON AB SPAIN ATTN ADVON PASS TO RC MAYDEW

/SERIES C/

INFO RUWPFNA/DNS KIRTLAND AFB NMEX/SERIES D/

RUWPG/LCDR G HEDRICK DMA USAEC WASHDC/SERIES E/

RUWPUJ/LCOL CARL JOHNSON NACC FC/DASA SANDIAB/SERIES F/

RUWPL/FRANK DUNN LASI LOS ALAMOS NMEX/SERIES G/

RUWPRS/W BARTON S MOORE SANDIA CORP ALBUQ NMEX/SERIES H/

ADC

BT

THIS DOCUMENT CONSISTS OF 1 PAGE

RE: ANALYSIS OF ACFT COLLISION NEAR VERA, SPAIN BY SANDIA CORP TEAMS (MESSAGE 5). REF: SRD MSG, 1 FEB 0900

FROM CITE C-08108, W R BARTON, SANDIA CORP, 9320.

TO: RC MAYDEW, SANDIA CORP, FROM W R BARTON AND W N CAUDLE. THIS MESSAGE IN FIVE PARTS.

THIS DOCUMENT CONSISTS OF 1 PAGE

PART 1: OUR ASSUMPTIONS, BASED ON YOUR MSG OF 1 FEB. (1) SECONDARY REMAINED INTACT DURING IMPACT. (2) THERE WAS NO HE DETONATION WITH SECONDARY IMPACT. (3) SLAG PILES ARE MORE THAN 20 YEARS OLD.

(4) ANY SAND NOT ON THE BEACH IS DRY. (5) CALICHE IS LIGHTLY CEMENTED, LIKE MESA SOIL. (6) LOAM MEANS AN

2-6-3357
Discop

PAGE TWO RUWPQA 195C [REDACTED]

IRRIGATED AND PLOWED FIELD. PART II: CRATER INFORMATION. IN SLAG AND TAILING PILES, NOSE-ON CRATER WILL BE LESS THAN 3 FEET ACROSS AND MAY BE INVISIBLE IF ON SLOPE OF PILE. LENGTHWISE CRATER WILL BE LESS THAN 8 FEET ACROSS. CRATER ON SLAG OR TAILING PILE SHOULD BE DARKER THAN SURFACE OF PILE, AND YOU SHOULD SEE THROWOUT RAYS OF DARKER MATERIAL. THERE PROBABLY WILL BE NO READILY VISIBLE CRATER LIP. IN DRY SAND NOSE-ON CRATER SHOULD BE ABOUT 3 FEET ACROSS; LENGTHWISE CRATER ABOUT 8 FEET ACROSS. CRATER SLOPES WILL BE VERY FLAT, LESS THAN 20 DEGREES AND WILL PROBABLY HAVE NO READILY VISIBLE CRATER LIP OR THROWOUT RAYS. CRATER ON SANDY BEACH WILL SURELY BE DISTORTED AND LIKELY DESTROYED BY TIDES. CRATER IN CALICHE WILL BE LESS THAN 3 FEET ACROSS FOR NOSE-ON IMPACT AND LESS THAN 8 FEET ACROSS FOR LENGTHWISE IMPACT. CRATER SLOPES WILL PROBABLY BE 30 TO 40 DEGREES. FALLBACK AND THROWOUT IN AND AROUND CRATER SHOULD BE CHUNKY. YOU MAY BE ABLE TO SEE THROWOUT RAYS AND PERHAPS RADIATING CRACKS CLOSE TO CRATER. CRATER IN LOAM WILL BE LESS THAN 3 FEET ACROSS FOR NOSE-ON IMPACT AND LESS THAN 8 FEET ACROSS FOR LENGTHWISE IMPACT. CRATER SLOPES WILL BE ABOUT 20 TO 30 DEGREES.

IF LOAM IS MOIST, CRATER WILL BE SMALLER AND THE SLOPES STEEPER

P2 [REDACTED]

2-6-3357 [REDACTED]

~~SECRET~~

PRIORITY

~~SECRET~~

8 FEB 66 00 07

PUA978TUA373QTC523

ACTION

INFO

PP RUWPUJ

DE RUTQCS 1134 0382135

ZNY SSSSS

IBT

SECRET RD SVC ZUI RUWPQS ;3S 0381840 X ALSO TO RUWPUJ X

AZDK RUTQBN 002A 0380931 P 070805Z

PP RUWPQS RUWPQJ

DE RUTQBN 002A 0380931

ZNY SSSSS

P 070805Z FEB 66

FM 16AF ADVON SPAIN

TO RUEPXG/AEC WASH DC

IRUWPGA/AEC ALB ALBUQ NMEX

RUWPQS/SANDIA CORP ALBUQ NMEX

RUWPQL/LOS ALAMOS SCIENTIFIC LABORATORY LOS ALAMOS NMEX

RUWMFNA/DIR OF NUCLEAR SAFETY KIRTLAND AFB NME

RUWPQS/FC DASA SANDIA BASE ALBUQ NMEX

BT

P1

~~SECRET~~

ATOMIC ENERGY ACT 1954

2-6-3670

WPNs DISCREF

NO

PAGE(8)

~~SECRET~~
C-00171 FEB 66. FOR DIRECTOR OF MIL-
ITARY APPLICATION, AEC WASH DC. FOR W.R. HOAGLAND, AND ORG 9320 SANDIA
CORP, ALBUQ, NMEX. FROM AEC NUCLEAR WEAPON SAFETY TEAM. REFERENCE
STATUS OF SEARCH OPERATION AT PALOMARES, SPAIN, ACCIDENT. THE SYSTEMY-
ANAYLISIS TEAM HAS COMPLETED THE IDENTIFICATION OF MOST PROBABLE
IMPACT AREAS FOR WEAPON NO. 4 OR PARTS THEREOF. GROUND SEARCH
OPERATIONS ARE TO BE INTENSIFIED BEGINNING MONDAY IN ANCURCULAR
AREA 5000 FT IN RADIUS WHOSE MID POINT IS 37 DSGREES 49.65 MINUTES
NORTH, 1 DEGREE 49.9 MINUTES WEST. SEA SEARCH OPERATIONS ARE TO
BE ALIGNED ALONG THE 300 DEGREE AVARAGE WIND CORRIDORS WITH EMPHAUS

PAGE 2 RUTQBN 002A ~~SECRET RESTRICTED DATA~~

AT A POINT DETERMINED BY THE SPANISH FISHERMAN'S TESTIMONY.
CONTINUING ASSISTANCE BY THE NUCLEAR WEAPON SAFETY TEAM WILL
CONSIST OF LIAISON, VERIFIVATION OF PROMISING IMPACT
CRATERS, AND IDENTIFICATION OF WEAPON PARTSNWHEN FOUND.

GP-1

BT

P-2

~~SECRET~~ RESTRICTED DATA
~~SECRET~~

2-6-3670

~~SECRET~~

~~SECRET~~

~~SECRET~~

NNNNPUA438ZB816

OO RUWPUJ

ZDY SSSSS ZOV RUEPWZ

EUL138 EUH838CEC228

OO RUEPWZ

DE RUTQBN 008A 0401500

ZNY SSSSS

O 091400Z FEB 66

FM 16AF ADVON

TO RUEKDA/SECRETARY OF DEFENSE

RUEAHQ/CSAF USAF

RUMFNA/DIR NUG SFTY KIRTLAND AFB NM

RUMHNF/DEP INSPSFTY NORTON AFB CALIF

RUCSC/HQ SAC OFFUTT AFB NEB

RUCVAA/HQ 2 AF BARKSDALE AFB LA

RUETBN/HQ 8 AF WESTOVER AFB MASS

RUTQBN/HQ 16 AF TORREJON AB SPAIN

RUCWU/42ND AIR DIV BLYTHEVILLE AFB ARK

RUETSR/822ND AIR DIV TURNER AFB GA

RUCWU/97 BW BLYTHEVILLE AFB ARK

RUETFK/68 BW SEYMOUR JOHNSON AFB NC

RUEBBA/AFSC ANDREWS AFB MD

P1

~~SECRET~~
~~SECRET~~
~~SECRET~~

9 FEB 66 18 36

IMMEDIATE

ACTION

INFO

OP-78,9

SE-10

TG-11,12

DU-13,14,15

AM-16

*Gilbert Sgt
Swann 183*

IMMEDIATE

THIS DOCUMENT CONTAINS INFORMATION OF A SECRET NATURE
NO 17 OF 17 COPIES SERIES

2-6-3895

THIS DOCUMENT CONTAINS INFORMATION OF A SECRET NATURE
NO 17 OF 17 COPIES SERIES

DSQ/AFLC WFO

~~SECRET~~

~~SECRET~~

RUWGN/SAAMA KELLY AFB TEX

RUWNA/AFSWC KIRTLAND AFB NM

RUWHHL/OAMA HILL AFB UTAH

RUWGNK/OAMA TINKER AFB OKLA

RUWTBIA/DA AIB EGLIN AFB FLA

INFO RUPPBW/USAFE CP

RUCVSK/SAC OTSL CARSWELL AFB TEX

RUEPWZ/FC DASA SANDIA AFB NM

RUTHBH/CHIEF JUSMAG SPAIN

BT

~~SECRET RESTRICTED DATA~~ C-00193 FEB 66

SUBJ: SUPPLEMENTAL REPORT NO. 16 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASD (AE); CSAF AND AFIGO, AFIS,
AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO, DM, DQSD; 2, 8, 15AF,
42, 822 AD (DO, DM, DS); 68 & OU BW (DCO, DCM, DS); SCIZ; MCASS;
SWVN; JOYS; JUSMAG FOR GEN DONOVAN; FC DASA. THIS CONSTITUTES
ADDITIONAL OR CORRECTED INFO TO REPIS FROM 16AF ADVON SECRET/RD
NR 1-6-5396 1-6-5532
MSGS C0010, 23 JAN 66; C0028, 24 JAN 66; C 0034, 25 JAN 66;
NR 1-6-5843 1-6-5829
C 30041, 26 JAN 66; C 0054, 27 JAN 66; C 0056, 28 JAN 66;
1-6-9151 1-6-9189 1-6-9216
C 0080, 29 JAN 66; C 0085, 30 JAN 66; C 00098, 31 JAN 66;

~~SECRET~~

2-6-3895

PAGE 2 RUIQBN 008

~~SECRET~~
2-6-3089
C 00111, 1 FEB 66; C 00123, 2 FEB WYV C 00134, 3 FEB 66;
2-6-3458
C 00149, 4 FEB 66; C 00160, 5 FEB 66; C 00174, 7 FEB 66; 9 FEB
66. THIS REPT COVERS REQUIREMENTS OF ATCHM'T 4, AFR 127-4. GP-1

A. NO CHANGE

B. NO CHANGE. WEAPON NR. 4, MK28Y1, MOD 2, SERIAL NUMBER 45345, HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE.

E. NO CHANGE.

F. THE SEARCH FOR WEAPON NR. 4 STILL CONTINUES.

MEETING WITH SPANISH NEC PERSONNEL TWO FIELDS IN SITE NR. (PLOT NR 12 AND PLOT NR. 16) HAVE BEEN PLOWED AND MONITORED. MONITORING RESULTS WERE ZERO CPM, THE SPANISH NEC HAVE ACCEPTED THESE RESULTS, AND THE LAND WILL BE RETURNED TO THE SPANISH FARMERS FOR USE.

A VERBAL AGREEMENT HAS BEEN MADE WITH SPANISH NEC PERSONNEL ON THE DISPOSITION OF CONTAMINATED VEGETATION IE VEGETATION WITH READINGS OF LESS THAN 400 CPM WILL BE MULCHED AND DEPOSITED IN THE DRY RIVER BED. VEGETATION WITH READINGS IN EXCESS OF 400 CPM WILL BE MULCHED AND DEPOSITED IN THE TEMPORARY BURIAL PIT AT SITE NR. 2.

SITE NR. 2 INFO TO FOLLOW: SOIL SCRAPING OPERATIONS ARE CONTINUING.

R3

~~SECRET~~

2-6-3089

PAGE 3 RUTQBN 008A

~~SECRET~~

IN THE 7000 CPM AND OVER AREA OF SITE NR. 2. CONTINUAL WATERING OF THE AREA BEING SCRAPED IS PERFORMED AS A DUST CONTROL. DETAILED MONITORING IS PERFORMED DAILY TO ASSURE THE SPECIFIC LOCATION OF THE 7000 CPM AND ZERO CPM LINES.

SITE NR. 3 INFO TO FOLLOW: REMONITORING TO RECONFIRM THE PREVIOUSLY ESTABLISHED 7000 CPM LINE WAS PERFORMED ON 7 FEB. ADDITIONAL 7000 CPM AREA WAS IDENTIFIED DURING THIS OPERATION, THIS AREA IS FARM LAND LOCATED TOWARD THE RIVER BED FROM SITE NR. 3. THE ADDITIONAL AREA IS A STRIP OF LAND 3600 FEET LONG AND 100 FEET WIDE (APPROX 9 1/2 ACRES) THIS IS IN ADDITION TO THE PREVIOUS ESTIMATE OF 1 1/2 ACRES. VEGETATION MULCHING OF CLEARED CROPS HAS BEGUN.

ALL CONTAMINATED SOIL HAS BEEN REMOVED FROM PLOT NR. 1 (GROUND ZERO) OF SITE NR. 3. DURING 7 & 8 FEB 42 TRUCK LOADS (APPROX 126 CUBIC YARDS) WERE REMOVED TO THE TEMPORARY DISPOSAL PIT AT SITE NR. 2. THE GRAND TOTAL OF SOIL REMOVAL IS 76 TRUCK LOADS (APPROX 228 CUBIC YARDS) SITE NR. 5 INFO TO FOLLOW: DECONTAMINATION OF THE SCHOOL CISTERN IS COMPLETE, THE CISTERN HAS BEEN REFILLED WITH POTABLE WATER.

THE CRITERIA FOR THE DECONTAMINATION OF HOUSES WITHIN SITE C. 5 WAS PREVIOUSLY REPORTED AS THOSE WHICH HAVE READINGS OF 7000 CPM OR GREATER. THIS IS AN ERROR. HOUSE WASHING (DECONTAMINATION) IS PERFORM-

24

~~SECRET~~

2-6-3895

FC/01660923

PAGE 4 RUTQBN 008A

~~SECRET~~

34

ED UPON SPECIFIC REQUEST OF THE SPANISH NEC MONITORS.

SITE NR. 6 INFO TO FOLLOW: DETAILED MONITORING IS CONTINUING. READINGS VARY FROM ZERO TO 5000 CPM. CONSERVATIVE ESTIMATE OF AVAILABLE DATA INDICATES THAT SITE NR. 6 IS AN EXTENSION OF THE SITE NR. 3 ZERO CPM LINE. MISCELLANEOUS: CAMP SITE MONITORING OF LIVING QUARTERS, HIGH TRAFFIC AREAS, DECONTAMINATION/SHOWER AND LAUNDRY CONTINUE TO GIVE NEGATIVE RESULTS. SAMPLES OF SEA WATER, SHOWER AND LAUNDRY EFFLUENT CONTINUE TO GIVE NEGATIVE RESULTS.

CLAIMS: EMERGENCY PAYMENTS THROUGH 8 FEYHAVE BEEN MADE TO 106 CLAIMANTS FOR A TOTAL OF \$4489.68.

G. NO CHANGE.

H. NO CHANGE.

I. NO CHANGE.

J. NO CHANGE

K. SEE "F" ABOVE.

L. NO CHANGE

M. NO CHANGE

N. NO CHANGE

G. A. B. BRUBAKER, CAPT, HQ 16AF, DM4E, EXT 3003, TORREJON AB, SPAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE. GP-1.

BT

~~SECRET~~

2-6-3895

P-5

10701000-3

NNNNVPUA538V WZB500

PP RUWPUJ

ZNY SSSSS ZO V RUEPWZ

Z CZ CEULI 97785 CED175

PP RUEPWZ

DE RUTQBN 13A 0621750

ZNY SSSSS

P 021632Z MAR 66

FM 16AF ADVON SPAIN

TO RUEKDA/SEC DEF

RUEAHQ/CSAF

RUWMFNA/DIR NUCLEAR SAFETY KIRTLAND AFB NMEX

RUWHNF/DEP INSPSFTY NORTON AFB CALIF

RUCSC/SAC

RUCVAA/2AF BARKSDALE AFB LA

RUEHB/8AF WESTOVER AFB MASS

RUTQBN/16AF TORREJON AB SPAIN

RUCVHU/42AIR DIV BLYTHEVILLE AFB ARK

RUEISR/822AIRDIV TURNER AFB GA

RUCVHU/97BONWBG BLYTHEVILLE AFB ARK

RUEIFK/68BONWBG SEYMOUR JOHNSON AFB NC

RUEBBA/AFSC

RUCDSQ/AFLC

RUWGNH/SAAMA KELLY AFB TEX

RUWMFNA/AFSWC KIRTLAND AFB NMEX

RUWHHL/OOAMA HILL AFB UTAH

ACTION

INFO

OR 7,8,9

SE-10

TF-11,12

DV-13,14,15-

AM-16

3-6-3221

~~SECRET~~

G

NK/OQMA TINKER AFB IKLA
VTBTA/DAD (ATB) EGLIN AFB FLA
FO RUC VSK/SAC OTSL CARSWELL AFB TEX
PBW/USAFE
PVZ/FS DASA SANDIA AFB NMEX
HEH/CHIEF JUSMAG SPAIN

~~SECRET~~ C-00379 FEB 66.

SUBJECT: SUPPLEMENTAL REPORT NO. 21 (ADVON) OF NUCLEAR ACCIDENT (BROKEN
OV). SDC DEF FOR ASTD (AE) CSAF AND AFIGO, AFFIS. AFSS-AE, AFINS;
FOR GEN RYAN AND DO, DM. DOSD; 2, 8, 16AF, 42, 822 AD (DO, KH, DS);
& 97 BW (D CO, DCM, DSGA FSCIZ; MCASS; SWN; OOYS; JUSMAG FOR GEN
OVAN) FS DASA. THIS CONSTITUTES ADDITIONAL OR CORRECTED INFO

TS FROM 16AF ADVON SECRET RESTRICTED DATA MESSES C00010, 23 JAN 66;
6-5396 1-6-5532 C00034, 25 JAN 66; C0004, 26 JAN 66; C00054, 28 JAN 66;
0028, 24 JAN 66; C00066, 28 JAN 66; C00080, 29 JAN 66; C00081, 30 JAN 66;
JAN 66; C00096, 31 JAN 66; C00011, 1 FEB 66, 16, C00123, 2 FEB 66;
1-6-9029 1-6-9151 1-6-9152 2-6-315
1-6-5216 2-6-3089
2-6-3221

PAGE 2 RUTQBN 13A

SECRET
C 00134, 3 FEB 66, C 00149, 4 FEB 66; C 00160, 5 FEB 66; C 00174, 7 FEB 66; C 00193, 9 FEB 66; C 00209, 12 FEB 66; C 00255, 16 FEB 66; C 00294, 20 FEB 66; C 00323, 23 FEB 66, C 00331, 27 FEB 66, 2 MAR 66.

THIS REPT COVERS REQUIREMENTS OF ATCHM'T 4, AFR 127-4. GP-1

A. NO CHANGE

B. NO CHANGE, WEAPON #4, MK28Y1, MOD 2, SERIA

NUMBER 45345, HAS

NOT BEEN FOUND.

C. NO CHANGE

D. NO CHANGE

E. NO CHANGE

F. THE SEARCH FOR WEAPON #4, STILL CONTINUES. THE FOLLOWING ACTIVITIES WERE CONDUCTED BETWEEN 1800 HOURS 26 FEB 66 AND 1800 HOURS 1 MARCH 66:

SITE #2 INFO TO FOLLOW: HOULING OF CANE AND VEGETATION FROM SITE #2 TO BURNING PIT BEGAN ON 28 FEB 66. AGREEMENT WAS REACHED WITH SPANISH AND USAF OFFICIALS THAT ALL DIRT OVER 60,000 CPM WOULD BE REMOVED; AREAS OF 10,000 CPM TO 60,000 CPM WILL BE DUG UP, MIXED AND WATERED TO BRING DOWN COUNT TO ACCEPTABLE LEVEL; BELOW 10,000 CPM SOIL WILL BE WASHED IF POSSIBLE. THIS PROGRAM IS PROGRESSING SATISFACTORILY.

3-6-3221

3 RULQBN 13A

#3 INFO TO FOLLOW: THE HAULING OF VEGETATION AND CANE IS COMPLETE WITH 2,815 DUMP TRUCK LOADS HAVING BEEN REMOVED. TOP L IS BEING REPLACED IN THE 1.5 ACRES AREA WHERE COUNTS WERE OVER 800 CPM AND SOIL AD BEEN REMOVED. SITE #3 IS VIRTUALLY COMPLETED.

#5 INFO TO FOLLOW: THE HAULING OF VEGETATION AND CANE COMPLETE WITH 402 DUMP TRUCKS LOADS HAVING BEEN HAULED AND BURNED. #5 IS CONSIDERED COMPLETED.

ELLANEQUS: CAMP MONITORING CONTINUES TO BE NEGATIVE WHENEVER AMINATION IS FOUND IMMEDIATE ACTION IS INITIATED TO REMOVE IT, XAMPLE, THE FLOOR OF A BUS, HE WHEEL WELL OF A FIRE TRUCK. ONNEL WORKING A SITE#2 ARE TAKEN TO THE SITE #3 DECONTAMINATION ER PRIOR TO RETURN TO CAMP. OUTGOING PERSONNEL MONITORING AND NTAMINATION CONTINUES TO BE SATISFACTORY. VEHICLE AND EQUIP- BEING PERMANENTLY RELEASED FROM THE CAMP ARE STRINGENTLY MON- ED. TENT WASHING FACILITIES HAVE BEEN COMPLETED AND ARE READY USE. ONE TEST TENT HAS BEEN WASHED, MONITORED, DRIED AND PACK- UCCESSFULLY. ALL TRANSPORTATION, VEHICLE AND AIR, LEAVING THE ARE MONITORED. WATERING FOR DUST CONTROL CONTINUES TO BE CTIVE. SIR SAMPLING CONTINUES TO BE NEGATIVE.

3-6-3221

~~SECRET~~

PAGE 4 RUTQBN 13A [REDACTED]

CLAIMS: THRU 1200 HOURS, 1 MARCH 66

CLAIMS PAID: 17

AMOUNT PAID: \$3,866.00

EMERGENCY PAYMENTS: 178

AMOUN OF EMERGENCY PAYMENTS: \$13,659.00

G. N/A

H. N/A

I. N/A

J. N/A

K. SEE "F" ABOVE

L. NO CHANGE

M. NO CHANGE

N. NO CHANGE

O. COLONEL A. E. WHITE, 16 TH AIR FORCE (DE), EXT 3420. THIS
REPORT INITIATED FROM ACCIDENT SITE. GP-1 3-6-3221

BT

5
~~SECRET~~

NNNNPUA530VV

WZB674

8 MAR 66 02 02

PP RUWPUJ-

ZNY SSSSS ZO V RUEPWZ

EUL 472EUH035 CEB970

PP RUEPWZ

DE RUTQBN 9A 0661845

ZNY SSSSS

P 071720Z MAR 66

FM 16AF AVON SPAIN

TO RUEKDA/SEC DF

RUEAHQ/CSAF

RUVHNA/IR NUCLEAR SAFETY KIRTLAND AFB NM

RUVHNF/DEP INSPSFTY NORTH AFB CALIF

RUCSC/SAC

RUCVAA/2AF BARKSDALE AFB LA

RUETHB/8AF WESTOVER AFB MASS

RUTQBN/16AF TORRAJON AB SPAIN

RUCWU/42AIRDIV BLYTHEVILLE AFB ARK

RUETSR/82AIRDIV TURNER AFB GA

RUCWU/97 BW BLYHEGILLE AFB ARK

RUETFK/68W SEYMOUR JOHNSON AFB NC

RUEBAA/AFSC

RUCDSQ/AFLS

RUVGNH/SAAMA KELLY AFB TEX

RUVHNA/AFSVC KIRTLAND AFB NM

RUVHNL/00AMA HILL AFB UTAH

PRIORITY

ACTION

INFO

OP-7,8,9

SE-10

TG-11,12

DV-13,14,15

AM-16

EXCEEDED THE [REDACTED] [REDACTED]

DO NOT

Deleted 24 Oct 66 EACB

THIS DOCUMENT CONTAINS NO [REDACTED]

NO [REDACTED] COPIES, SERIES [REDACTED]

3-6-3725

~~SECRET~~

W [REDACTED] 4
ULGNK/OAMA TINKER AFB OKLA

RJVTBTA/DAD ATB EGLIN AFB FLA

INFO RUCVSK/SAC OTSL CARSWEL AFB TEX

RUFPEW/USAFE

KRUEPWZ/FSSDASA SANDIA AFB NM

RUTHBH/CHIEF JUSMAG SPAIN

BT

[REDACTED] DATA/C-00 423 MAR 66. SUBJECT SUPPLE-

MENTAL REPORT NO 22 (ADVON) OF NUCLEAR ACCIDENT (BROKEN ARROW). SEC
DEF FOR ASTD (AEE); KAF AND AFIGO, AFFIS, AFSS-E, AFINS; SAC FOR GEN
RYAN AND DO DM, DOSD; 2, 8, 16AF, 42, 82AD (DO, DM, DS); 68 & 9 BW
(DCO, DCM, DS); KIZ; MCASS; SWVN; OOYS; KUSMAG FOR GEN DONOVAN; FS
ASA. THIS CONSTITUTES ADDITIONAL OR CORRECTED INFO TO REPTSSFRM

16AF ADVON SACRET RESTRICTIONS DATA MESGS C00010, 2- JAN 66; C 00028, ^{NJR} 1-6-5391

24 JAN; C 0034, 25 JAN 66; C 0004, ^{NJR} 25KAN 66; C 00054, 27 JAN 66; ¹⁻⁶⁻⁵⁸⁹³

C 00066, 28 JAN 66; C 0000, 29 JAN 66; C 00085, 30 JAN 66, C 00098, ¹⁻⁶⁻⁹¹⁸⁹ 1-6-9216

-1 JAN 66; C 00111, ²⁻⁶⁻³⁰⁸⁹ 1 FEB 66, C 0123, ²⁻⁶⁻³¹²⁵ 2 FEB 66; C 00134, ²⁻⁶⁻³³⁰⁸ - FB 66;

P2 [REDACTED] 3 [REDACTED] 3-6-3725

PAGE 2 RUIQBN 9

2-6-3458 2-6-3571 2-6-4170 2-6-4679 2-6-5112 2-6-3715
C 00149, 4 FEB 66; C 00160 5 FEB 66; C PQURN U FEB 66; C 00193,
0 FEB 66; C 00209, 12 FEB YV C 00255, 16 FEB 66; C 0294, 20 FEB 66;
CS00-23, 2 FEB 66; C 00351, 27 FEB 6; C 00379, 2 MAR 66; 8 MAR 66.

THIS REPT COVEJS RAQUIRMENTS OF ATCHMJT 4, AFR 11-4. GP-1

A. NO CHANGE.

B. NO CHANGE, WEAPON #4, MK 28YL, MOD 2, SSARIAL NUMBR 45345, HAS
NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE.

E. NO CHANGE.

F. THE SEARCH FOR WAAPON 4, STILL CONTINUES. THE FOLLOWING
ACTIVITIES WERE CONDUCTD BETWEEN 1800 HOURS, 1 MAR 1966 AND 1800
HOURS, 6 MARCH 1966:

SITE #2 INFO FOLLOW: ALL CANE AND VEGEATION HAVE BEEN
REMOVED THE REMOVAL OF THE DIRT OVER 60,000 CPM HAS BEEN COMPLETE.
PLOWING, MULCHING AND WATERING ARE CONTINUING SATISFACTORY.

SITE 3 INFO TO FOLLOW: THE DECONTAMINATION FACILITY AT SITE
3 IS SCHEDULED FOR REMOVAL MARCH 66. ALL SHOWER/DECONTAMINATION
BASE CAMP SHOWER/ DECONTAMINATION FACILITY. FINAL SPOT CLEAN UP
THIS SITE IS CONTINUING. ALL MAJOR WORK IS COMPLETED.

3-6-3725

PAGE - RUTQBN 9A [REDACTED] [REDACTED] [REDACTED]

SITE #5 INFO TO FOLLOW: THIS SITE IS COMPLETED WITH THE EXCEPTION OF SPOT CLEANUP.

MISCELLANEOUS: CAMP MONITORING CONTINUES TO BE NEGATIVE WHENEVER CONTAMINATION IS LOCATED IMMEDIATE ACTION IS TAKEN. OUTGOING PERSONAL MONITORING, EQUIPMENT DECONTAMINATION/MONITORING, AND SHIPMENT IS SATISFACTORY. STENT DECONTAMINATION AND PACKAGING IS CONTINUING. WATERING FOR DUST CONTROL IS EFFACITIVE. SUNDAY, 6 MARCH 66 WAS A STAND DOWN FULL TIME FOR THE FIRST "DAY OFF" SINCE THE ACCIDENT.

CLAIMS: HTHRU 1200 HOURS, 6 MARCH 1966.

CLAIMS PAID: 275

- AMOUNT PAID: \$17,409.00

A EMERGENCY PAYMENTS: 178

- U D AMOUNT OF AMERGENCYSPAYMFTS: \$13,659.00

TOTAL AMOUNT PAID \$31,068.00

G. N/A

H. N/A

AI. N/A

. N/A

K. SEE "F" ABOVE.

3 3725

[REDACTED]

PAGE 4 RUTQBN [REDACTED]

L. NOSCHANGE.

M. NO CHANGA.

-F. NO CHANGE

SCOLONELSA. SESWHITA, 16TH AIRSFORCE (DE; EXT 3420. THIS REPORT
INIPIATED FROM ACCIDENT SITE. GPI

BT

P5

[REDACTED]

3-6-3725

[REDACTED]

~~SECRET~~

PRIORITY

NNNNVPUA. 3000 WZE376

14 MAR 65 18 56

PP RUWPUJ

ZNY SSSSS NOV RU17WZ

EUL376 EXCLUDED FROM AUTOMATIC
REGRADING; DOD DIR 5200.10
PP RUEPWZ DOES NOT APPLY

DE RUTQBN CA 2101535

ZNY SSSSS

P 141518Z

FM IS ADVON SF

TO RUEKDA/SEC DEF

RUEAHQ/CSAF

RUWMFNA/DIR NUCLEAR SAFETY KIRTLAND AFB N MEX

RUWHNF/DEP INSPSFTY NORTON AFB CALIF

RUCSC/SAC

RUCVAA/2AF BARKSDALE AFB LA

RUETHB/8AF WESTOVER AFB MASS

RUTQBN/16AF TORRE JON AB SP

RUCWHU/42AIR DIV ELYTHEVILLE AFB ARK

RUETSR/822AIR DIV TURNER AFB GA

RUCWHU/97BW ELYTHEVILLE AFB ARK

RUETFK/68BW SEYMOUR JOHNSON AFB NC

RUEBBAA/AFSC

RUEDSQ/AFLS

RUWGNH/SAAMA KELLY AFB TEX

RUWMFNA/AFSWC KIRTLAND AFB N MEX

RUWHHL/OOAMA HIL AFB UTAH

RUVTBTA/DAD ATB EGLIN AFB FLA

ACTION INFO

OP-7,8,9 SE-10
Called 1859Z G-11,12
DU-13,14,5-
AM-16

~~THIS DOCUMENT CONTAINS~~

~~UNCLASSIFIED INFORMATION~~

~~EXCEPT WHERE SHOWN OTHERWISE~~

~~DATE 11/1/86 BY 1045/AFSC/AFM~~

3-6-4398

P-1

~~SECRET~~

W

G

~~SECRET~~

[REDACTED]

NK/OCAMA TINKER AFB OKLA

INFO RUCVSK/SAC OTSL CARSWELL AFB TEX

RUEPBW/USAFE

RUEPWZ/FS DASA SANDIA AFB N MEX

RUTHBH/CHIEF SUSMAAG SP-

BT

[REDACTED] A/C-00470 MAR 66. SUBJ: SUPPLEMENTAL
REPORT NO. 23 (ADVON) OF NUCLEAR ACCIDENT (BROKEN ARROW). SEC DEF
FOR ASTE (AE); CSAF AND AFIGO, AFFIS AFSS-AE, AFINS; SAC FOR GEN
RYAN AND DO, DM, DOSD; 2, 8, 16AF, 42, 822AD (DO, DM, DS); 68 & 97BW
(DCO DCM DS); SCIZ; MCASS; SWVN; OOYS; JUSMAAG FOR GEN DONOVAN; FS
DASA. THIS CONSTITUTES ADDITION OR CORRECTED INFO TO REPTS FROM
16AF ADVON SECRET RESTRICTED DATA MSG C00010, 23 JAN 66, C 00028,
24 JAN; C 00034, 25 JAN 66; C00041, 25 JAN 66; C00054, 27 JAN 66;
C00066, 28 JAN 66; C 00080, 29 JAN 66; C00085, 30 JAN 66; C00098,
31 JAN 66; C 00111, 1 FEB 66; C 00123, 2 FEB 66; C 00134, 3 FEB 66;

R-2

~~SECRET~~

3-6-4398

PAGE THREE RUWQA 19C

HAN THESE VALUES. IF LAND HAS BEEN PLOWED AND IRRIGATED FOR MANY YEARS, YOU SHOULD HAVE HARD LAYER AT 2 TO 3 FEET. THIS LAYER COULD FORM A FLAT BOTTOM FOR A CRATER IN LOAM. THE SMALL NOSE-ON CRATER IN LOAM COULD BE DESTROYED OR FILLED IN BY CARELESS DEFOLIATION OF CROPS. PART III: SOIL PENETRATION UNLESS UNIT HIT MUCK, IT WILL NOT BE DEEPER THAN 20 FEET FOR NOSE-ON IMPACT OR 5 FEET FOR LENGTHWISE IMPACT FOR THE AFORE-MENTIONED FOUR SOI

S. IF UNIT HI BEACH SAND AREA, IT WILL NOT BE DEEPER THAN 13 FEET FOR NOSE-ON OR 5 FEET IF LENGTHWISE.

BUT CRATER PROBABLY WASHED IN. IF UNIT HIT ON OCEAN SIDE OF BEACH, UNIT COULD HAVE PENETRATED 30 TO 40 FEET. IF UNIT BROKE AT IMPACT, PENETRATIONS OF PIECES WILL BE LESS THAN THOSE DEPTHS JUST GIVEN AND PROBABLY WILL BE SUBSTANTIALLY LESS. CANNOT MAKE CLOSER ESTIMATES WITHOUT BETTER PHYSICAL DESCRIPTION OF SOILS. IF BETTER PENETRATION ESTIMATE REQUIRED, YOU SHOULD OBTAIN SERVICES OF LOCAL SOIL ENGINEER AND HAVE HIM FURNISH DATA AS TO BLOW COUNT (STANDARD PENETRATION TEST), COMPRESSIVE STRENGTH, AND UNIFIED CLASSIFICATION.

PART IV: SOME RANDOM QUESTIONS AND THOUGHTS FROM MC NEILL. COULD UNIT HAVE GONE DOWN MINESHAFT QUERY ARE THERE CAVES, SINKHOLES, OR UNDERGROUND CAVERNS IN THE AREA QUERY HAS DETAILED STEREO AIR PHOTO COVERAGE BEEN MADE QUERY

P3

~~SECRET~~

2-6-3357

PAGE FOUR RD WFOA 195C [REDACTED] 64

NEW SUBJECT: ACCORDING TO OUR RECORDS ON 17 TESTS COMPLETED IN THE DEVELOPMENT PROGRAM OF THIS WEAPON FROM FEBRUARY 1961 TO JUNE 1962, THE AVERAGE CDS WAS 2538 SQ. FT. WEIGHTING THE TEST RESULTS, A 2400 SQ. FT. CDS WAS USED IN DETERMING THE FINAL BALLISTIC DISPERSION NUMBERS ON THIS WEAPON. THIS WAS ISSUED IN A LETTER TO EGLIN IN SEPT 1962. A REPORT (SC-DR-64-1-66) PUBLISHED IN OCT 1964 A

SO INCLUDES THIS INFO. WE WOU

D LIKE TO KNOW WHAT

THE CDS OF 1600 WAS BASED ON. OUR ESTIMATES SHOW THAT 1600 IS A GOOD NUMBER FOR A 64-FOOT RIBBON CHUTE.

TRAJECTORY STUDIES USING INFO THAT WAS TRANSMITTED EARLIER DO NOT CONFIRM NEW COLLISION POINT. A CDS OF 13.8 SQ. FT. WAS USED FOR THE TUMBLING WEAPON. WE ARE STILL USING A GROUND TRACK OF 256 DEG. WITH YOUR LATEST INFO, WHAT IS YOUR OPINION OF THE PILOT'S QUOTED 237 DEG. GROUND TRACK QUERY WE ARE MAKING NEW TRAJECTORY STUDIES VARYING VEHICLE PARAMETERS TO TRY AND MATCH YOUR NEW COLLISION POINT WITH UNITS 1, 2, AND 3 IMPACT POINTS.

WE HOPE TO GET ADDITIONAL INFO ON TRAJECTORY RESULTS AND INFO CONCERNING STRUCTURAL FAILURE OF TAIL ASSEMBLY TO YOU LATER TODAY. THE SIZE OF SECONDARY IS 12.6 IN. DIAMETER, 26.5 IN. LONG, AND WEIGHS 710 POUNDS.

PART V: EXAMINATION OF TWO RESERVOIRS RETURNED TO LASL FOR SERIAL NUMBER VERIFICATION DEFINITELY ESTABLISHES THAT THEY ARE FROM WEAPONS NO. 2 AND NO. 3. END REF WDS:PHS (S-149) GP-1

BT

~~SECRET~~

2-6-3357

NNNNPUA455 TUA794QTA698

OO RUWPUJ

DE RUTQBN 06A 0351130

ZNY SSSSS

O 041030Z FEB 66

FM 16AF ADVON SPAIN

TO RUWPGS/SANDIA CORP ALBUQ NMEX

INFO RUWPQA/USAEC ALBUQ NMEX

TUWMFNA/ONS KIRTLAND AFB NMEX

RUEPXG/USAEC WASH DC

RUWPUJ/FC DASA SANDIA BASE ABLUQ NMEX

RUWPQL/LOS ALAMOS NMEX

RUWTBIA/DAD ATB EGLIN AFB FLA

BT

4 FEB 66 13 30

IMMEDIATE

ACTION

INFO

OP-74

SE-9
TG-10, 11
DV-12, 13, 14
AM-15

SECRET RESTRICTED DATA C-00145/ 137 66. FOR W.R. BARTON 9323

AND S.A. MOORE 1540, SANDIA CORP. FOR Z.F. WHITE, USAEC. FOR

LCDR G. HEDRICK, IDMA, USAEC, WASH D.C. FOR LCOL CARL JOHNSON,

JNAIC SANDIA. FOR FRANK DUNN LASL, LOS ALAMOS. FOR LTJOL WOOD, DAD

(ATB), EGLIN AFB, FLA. FROM R.C. MAYDEW AND R. REED. CRATERING

INFORMATION USEFUL. MANY ABANDONED LEAD MINE SHAFTS IN AREA.

INTENSIVE GROUND AND AIR SEARCH HAS BEEN MADE. NEW SUBJECT.

CDS OF TGYPP BASED ON DOWNTIME MEASUREMENTS OF 64 FEET SOLID CONOPY

SYSTEM IN VERTICAL TRAJECTORY AFTER SYSTEM HAS DECELERATED NOT

AVERAGE CDS DURING TRAJECTORY ROTATION PERIOD. NEW SUBJECT IN GROUND

P-1

~~RESTRICTED DATA~~

2-6-3424
WPN3 03-8

PAGE TWO RUTQBN BPT

~~SECRET~~

TRACK OF 256 DEGREES AND TRUE HEADING OF 262 DEGREES SUBSTANTIATED
SEVERAL WAYS. ANALYSIS OF AIRCRAFT COLLISION INDICATES BOMBS
PROBABLY LEFT AIRCRAFT ABOUT 4 TO 76 SECONDS AFTER INITIAL COLLISION
AND AIRCRAFT HAD DECELERATED APPROXIMATELY 200 TO 400 FT/EC WHEN
BOMBS LEFT AIRCRAFT. COLLISION POINT ABOUT ONE-HALF MILE
TO A MILE

UPTRACK FROM BOMB RELEASE POINT FORWARDED TO YOU. GP-1.

BT

P-2

~~SECRET~~

2-6-3424

NNNN

~~SECRET~~

IMMEDIATE

~~SECRET~~

N PUA519VV WZB656

CO RUMPUJ

ZNY SSSSS ZOV RUEPWZ

EIL 516 EUGS 12CEF646

OO RUEPWZ

DE RUTQBN 21A 0391432

ZNY SSSSS

O 041400Z FEB 66

FM 16TH AF ADVOP

TO RUEKDA/SECRETARY OF DEFENSE

RUEAHQ/CSAF USAF

RUEAFNA/DIR NUC SFTY KIRLAND AFB NM

RUEAHNF/DEP INSP SFTY MORTON AFB CALIF

RUCSC/HQ SAC OFFUTT AFB NEB

RUCVAA/HQ 2 AF BARKSDALE AFB LA

RUEBH/HQ 8 AF WESTOVER AFB MASS

RUTQBN/HQ 16 AF TORREJON AB SPAIN

RUCVHU/42ND AIR DIV BLYTHEVILL AFB ARK

RUETSR/52ND AIR DIV TURNER AFB GA

RUCVHU/97BW BLYTHEVILLE AFB ARK

RUETFK/68 BW SEYMOUR JOHNSON AFB NC

ACTION	INFO
OR 7,8,9	SE-10
Called Get down 2047Z	TG-11,12
	PU-13,14
	AR-16

IMMEDIATE

2-6-3458

P-1

~~SECRET~~

~~SECRET~~

[REDACTED]
RUESBAA/AFSC ANDREWS AFB MD
RUCDSQ/AFLC WPAFB
RUWGNH/SAAMA KELLY AFB TEXAS
RUWMENA/AFSWN KIRTLAND AFB NM
RUWHHL/OCAMA HILL AFB UTAH
RUWGNK/OCAMA TINKER AFB OKLA
XRWTBTA/DAD (ATB) EGLIN AFB FLA
INFO RUPPSWL/USAFB OF
RUCVSK/SAC OTSL CARSWELL AFB TEXAS
RUEPWZ/FM DASA SANDIA BASE NM
RUTHBH/CHIEF JUS MAG SPAIN

XBT

[REDACTED] C-00149 FEB 66.

SUBJ: SUPPLEMENTAL REPORT NO. 13 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASTD (AE); CSAF AND AFICG, AFJIC,
AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO, DM, DUSD; 2, 8, 16AF,
42, 822 AD (DO, DM, DS); 63 & 97 BW (DCO, DCM, DS); SCIZ; MCASS;
SMV; OOS; JUSMAG FOR GEN DONOVAN; FC, DASA. THIS CONSTITUTES
XADDITIONAL OR CORRECTED INFO TO REPTS FROM 16AF ADVON SECRET/AD
NR
MSGs C0010, 23 JAN 66; C0023, 24 JAN 66; C00334, 25 JAN 66;
C0024, 26 JAN 66; C00054, 27 JAN 66; C00066, 28 JAN 66;
C00080, 29 JAN 66; VC00085, 30 JAN 66; C00098, 31 JAN 66; C00111,
2-6-3089
2-6-3458

PA

[REDACTED]
[REDACTED]
PAGE 2 RUTQBN DIA SECRET

1 FEB 66; C00123, 2 FEB 66; C00134, 3 FEB 66; 4 FEB 66.

THIS REPT COVERS REQUIREMENTS OF ATCHM'T 4, AFR 127-4.

A. NO CHANGE

B. NO CHANGE. NUMBER 4 WEAPON, MK28Y1, MOD2, SERIAL NUMBER
HAS NOT BEEN FOUND.

C. NO CHANGE

D. NO CHANGE

E. NO CHANGE

F. THE INTENSIVE SEARCH FOR WEAPON NO. 4 STILL CONTINUES.

MEETING WITH SPANISH NEC PERSONNEL:

THE FOLLOWING PROPOSALS WERE MADE TO THE SPANISH:

1. PROCEDURE FOR BOTH PARTIES TO RELEASE ANY LAND AREA THAT
HAS BEEN DECONTAMINATED.

2. THE DISPOSITION OF AND NECESSARY ACTIONS REQUIRED FOR THE
HANDLING OF SPANISH PERSONNEL THAT HAVE OR IMAGINE ILLNESSES THAT
COULD BE ATTRIBUTED TO THE AIRCRAFT ACCIDENT.

D. THE DISPOSITION ON AND NECESSARY ACTIONS REQUIRED FOR THE
HANDLING OF LIVESTOCK (PIGS, CATTLE, SHEEP ETC) AND INSECTS (BEES
ETC) THAT HAVE OR MAY HAVE ILLNESSES AND OR DEATHS THAT MAY BE ATTRIBUTED TO THE AIRCRAFT ACCIDENT.

2-6-345

P-3

PAGE 3 RUTQBN DIA [REDACTED]

THE FORMALIZATION OF SIGNING OF AGREEMENTS NECESSARY FOR CONCLUDING THE ABOVE MENTIONED PROPOSALS IS NOT BEING PROCESSED.

TODAY THE SCHOOLS DRINKING WATER CISERN IS BEING RECLEANED AND REFILLED WITH POTABLE WATER.

SITE IDENTIFICATION DATA: FOR CLARIFICATION PURPOSES THE FOLLOWING IDENTIFICATION SYSTEM AS BEEN ESTABLISHED AND ACCEPTED BY USAF AND SPANISH DECONTAMINATION TEAMS.

SITE 1 - THE AREA WHERE THE FIRST WEAPON WAS LOCATED.

SIE 2 - THE AREA WEST OF THE PUELO OF PALORMARES WHERE THE SECOND WEAPON WAS LOCATED. THIS AREA HAS BEEN SUBDIVIDED INTO TWENTY TWO PLOTS.

SITE 3 - THE AREA EAST OF THE PUELO OF PALORMARES WHERE THE THIRD WEAPON WAS LOCATED ON THE EDGE OF THE PUELO. THIS AREA HAS BEEN SUBDIVIDED INTO TWENTY FIVE PLOTS.

SITE 4 - THIS WILL BE THE AREA OF WEAPON NUMBER FOUR WHEN LOCATED.

SITE 5 - THIS IS THE PUELO OF PALORMARES LOCATED BETWEEN AND CONNECTING SITE 2 AND SITE 3. THIS AREA IS SUBDIVIDED INTO FOUR PLOTS. SITE 6 - THIS AREA IS LOCATED EAST OF THE RIVER BED WHERE

THE B-52 TAIL SECTION WAS LOCATED. BASICALLY THE PUELO OF

2-6-3458

PAGE 4 RUTQBN 001A [REDACTED]

KVILLARICOS AND ADJACENT LAND AROUND THE PUEBLO OF VILLARICOS. NO SPECIFIC PLOTS HAVE YET BEEN DESIGNATED WITHIN THIS SITE.

SITE 2 INFO FOLLOWS: ARMY MINE-SWEEP TEAM CONTINUING OPERATIONS AT SITE 2, THEY HAVE APPROXIMATELY TWO MORE DAYS WORK LEFT IN THIS AREA. BULLDOZING AND WATERING OPERATIONS ARE CONTINUING. 10 AIR SAMPLES TAKEN DURING OPERATIONS PRODUCED NEGATIVE RESULTS.

SITE 3 INFO FOLLOWS: CROP CLEARING HAS BEEN COMPLETED. REMONITORING IS BEING ACCOMPLISHED AS NECESSARY TO CONFIRM THE EASTERLY ZERO VOM LINE, A DECONTAMINATION SHOWER IS NOW IN PLACE. SOIL SCRAPING OPERATIONS HAS BEGUN IN PLOT 1. PLOWING OPERATIONS HAVE BEGUN IN PLOT 15.

SITE 6 INFO FOLLOWS: PRELIMINARY MONITORING WAS ACCOMPLISHED ON THE SUSPECTED BEE HIVES. SAMPLES OF THE BEES, HIVES AND HONEY ARE IN PROCESS OF SHIPMENT TO WPAFB FOR TEST. MONITORING RESULTS WERE NEGATIVE.

CAMP SITE AREA: MONITORING RESULTS WERE NEGATIVE. SEA WATER SAMPLES WERE NEGATIVE. MONITORING OF THE LAUNDRY AND SHOWER/DECONTAMINATION EFFLUENT PRODUCED NEGATIVE. 38 URINE SAMPLES HAVE BEEN COLLECTED AND ARE BEING SHIPPED TO LABORATORY AT WPAFB, OHIO.

CLAIMS: ON 3 FEB 66 EMERGENCY PAYMENT WERE MADE TO 6 CLAIMANTS

2-6-3458

PAGE 5 RUTQBN 01 S [REDACTED]

FOR AN AMOUNT OF 337.50. THE TOTAL NUMBER OF PAYMENTS TO DATE
IS 85 AND THE TOTAL AMOUNT OF PAYMENTS IS \$425.34.

G. NO CHANGE

H. NO CHANGE

I. NO CHANGE

J. NO CHANGE

K. SEE "F" ABOVE

L. NO CHANGE

M. NO CHANGE

N. NO CHANGE

O. A.B. BRUBAKER, CAPT, HQ 16AF, DMAE, EXT 3003, TORREJON AB,
SPAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE. GP-1.

BT

2-6-3458

P-6

[REDACTED]

[REDACTED]

101-110-723

NNNNPUA615TUA950PQB723

PP RUWPUJ

DE RUWPQA 204C 2360010

ZNY SSSSS

P 042339Z

FM USAEC WALTER F WHITE ALBUQUERQUE NMEX

TO RUTQBN16 AF TORREJON SPAIN ATTN ADVON PLS PASS TO RC MAYDEW
/SERIES C/

INFO RUWMFN/DNS KIRTLAND AFB ALBUQUERQUE NMEX /SERIES D/

RUEPXG/DMA USAEC WASHDC LCDR G HEDRICK /SERIES E/

RUWPUJ/FC/DASA ATTN INACC ATTN LCOL CARL JOHNSON /SERIES F/

RUWPQL/LASL NMEX ATTN FRANK DUNN /SERIES G/

RUWQRS/SANDIA CORP ALBUQUERQUE NMEX V BARTON /SERIES H/

SANDIA CORP ALBUQUERQUE NMEX S MOORE /SERIES H/

AEC *relayed 24 Oct 66 FAGE*

BY *[Signature]*

~~SECRET~~ RESULT OF RE: ANALYSIS OF AIRCRAFT COLLISION NEAR VERA,
SPAIN BY SANDIA CORP TEAMS (MESSAGE 6)

VISUAL EXAMINATION OF RING FORGING AND TAIL-PLATE ASSEMBLY AND
COMPARISON WITH FAILURE LOADS FOR THE FAILURES INDICATED LEADS TO
SPECULATION OF PROBABLE SEQUENCE OF EVENTS AS FOLLOWS:

1. ASSUME HARD BLOW Laterally ON AFTERBODY SUFFICIENT TO SEVERELY
BUCKLE BOTH INNER AND OUTER CANS.

2. THIS CAUSE GROSS RIVET FAILURE STARTING ON STRUCK SIDE OF CANS AND
PROGRESSING CIRCUMFERENTIALLY A LARGE PERCENTAGE OF THE CIRCUMFERENCE
BOTH DIRECTIONS FROM IMPACTED SIDE.

3. SUBSEQUENT COMBINED AFT AND RADIAL BLOW ON RING FORGING AND TAIL PLATE
ASSEMBLY EVIDENCED BY BULGED AREAS COMPLETED THE FAILURE.

~~SECRET~~ *ED-64337*

PAGE TWO RUWPOA 20 4C [REDACTED]

4. DAMAGE WORKS ON TAIL PLATE AND PATTERN OF RIVET SHEAR AND BENDING FAILURES SUPPORT SUCH A THEORY.

5. FAILURES OF FINS COULD HAVE OCCURRED BEFORE, DURING, OR AFTER THE ABOVE SEQUENCE WITH LITTLE SIGNIFICANCE TO OUTCOME.

6. CONCLUDE FIRST EFFECT ABOVE OCCURRED BEFORE LEAVING BOMB BAY.

7 CONCLUDE SECOND EFFECT OCCURRED BEFORE OR DURING BOMB EXIT FROM BOMB BAY.

8. CONCLUDE THAT PILOT CHUTE WOULD THEREFORE BE DEPLOYED AS ASSEMBLY ENTERED AIRSTREAM BUT MAY HAVE SUFFERED DAMAGE FROM SHARP METAL EDGES.

9. DO NOT BELIEVE THAT FAILURE OCCURRED DUE TO TRANSLATIONAL OR ROTATIONAL ACCELERATIONS OF BOMB.

10. LONGITUDINAL FAILURE LOAD FOR RIVET SHEAR AS INDICATED IS 82 THOUSAND POUNDS.

11. LONGITUDINAL FAILURE LOAD FOR SCREW HEADS PULLING THROUGH TAIL PLATE IS ONLY 22 THOUSAND POUNDS.

12 THESE LOADS SUPPORT HYPOTHESIS OUTLINED ABOVE.

NEW SUBJECT: TERMINAL VELOCITY ESTIMATE FOR 4-FOOT GUIDE SURFACE CHUTE WITH 16-FOOT CHUTE BAG IS 32 FPS AT SEA LEVEL AND 37 FPS AT 10,000 FEET.

16-FOOT PARACHUTE WITH 64-FOOT CHUTE BAG IS 24 FPS AT SEA LEVEL AND 28 FPS AT 10,000 FEET.

ASSUMING UNIT 4 FREE FELL FOR 5, 10 AND 15 SEC, BASED ON LATEST RELEASE POINT, THEN IF THE SECONDARY WAS EJECTED IN SOME MANNER. THE IMPACT POINTS WOULD BE AZ 254 DEGREES 15' RANGE 18,850, AZ 254 DEGREES 15' RANGE 19,020, AND AZ 254 DEGREES 30' RANGE 19,210 RESPECTIVELY.

REFERENCED TO RELEASE POINT AT ONE DEGREE

2-6-3513

R-2

PAGE THREE RUWPQA 204C [REDACTED]

47.8 MINUTES AND 37 DEGREES 15.4 MINUTES. WILL ASSUME THIS AS NEW REFERENCE FOR ALL FUTURE IMPACT LOCATIONS. ASSUMING UNIT 4 TUMBLED (CDS EQUAL 13.8) TO 15,000, 20,000, AND 25,000 AND THEN EXPELLED THE SECONDARY, ITS IMPACT POINTS WOULD BE AZ 240 DEGREES 30° RANGE 9,540, AZ 242 DEGREES 45° RANGE 10,430 AND AZ 246 DEGREES 30° RANGE 12,110 RESPECTIVELY.

WE HAVE EXPERIENCED COMPUTER DIFFICULTIES IN GETTING THE 64-FOOT CHUTE, WITH THE 1500 AND 500 POUND WEIGHTS, TO RUN. WILL FORWARD THIS INFORMATION AS SOON AS DIFFICULTIES ARE OVERCOME.

STILL CANNOT CONCUR WITH 1600 SQ. FT. CDS ON 64-FOOT CHUTE; HOWEVER, WILL RUN TRAJECTORIES FOR YOU USING THIS FIGURE. RESULTS WILL FOLLOW SOON.

IMPACT POINT FOR UNIT 1 ASSUMING OPEN 16-FOOT CHUTE (CDS 107) ARE AZ 122 DEGREES 30° RANGE 10,470 FEET. IMPACT POINT FOR UNIT 3 ASSUMING DAMAGED 16-FOOT CHUTE (CDS 53) IS AZ 143 DEGREES 30° RANGE 5970 FEET AND USING AC D S EQUAL 40 SQ. FT., THE AZ IS 162 DEGREES 45° RANGE 4350. THIS LOOKS BETTER. THE IMPACT POINT FOR UNIT 2 ASSUMING A TUMBLING VEHICLE (CDS 13.8) IS AZ 236 DEGREES 45° RANGE 8710 FEET.

NOW RUNNING TRAJECTORIES FOR DELAYED OPENING ON CHUTES OF UNITS 1 AND 3 AND INCREASED CDS FOR TUMBLING UNIT 2 IN HOPES TO BETTER CONFIRM NEW RELEASE POINT. WILL FORWARD RESULTS. A GROUND TRACK OF 256 DEGREES WAS USED FOR ALL TRAJECTORIES.

2-6-3513

1-3

PAGE FOUR RUWPQA 204C [REDACTED]

NEW SUBJECT: RO R C MAYDEV. DO YOU HAVE AN ESTIMATE OF WHEN YOU WILL RETURN TO ALBUQUERQUE?

NEW SUBJECT: MCNEILL TO MAYDEV. HAVE UNVERIFIED INFORMATION THAT A SPANISH GEOLOGICAL TEAM IS PRESENTLY STUDYING YOUR PROVINCE. TEAM REPORTED TO BE BASED IN ALMERIA. SUGGEST YOU CONTACT THEM REGARDING POSSIBILITY OF NEAR SURFACE MINESHAFTS AND POSSIBLE COVERED MINES. YOU SHOULD ALSO INQUIRE AS TO POSSIBLE DEEP GROUNDWATER GRADIENTS AND POSSIBLE QUICK CONDITIONS IN THE DRY WASH, AND FOR POSSIBLE SOFT SUBSOIL CONDITIONS A MILE OR SO SOUTH OF THE WASH. AGNEW FAMILIAR WITH AREA AND HE SUGGESTS THOROUGH SEARCH TO INCLUDE NOT ONLY MINE SHAFTS AND SUBSURFACE MINE AREAS, BUT ALSO ANY ABANDONED FARM OR INDUSTRIAL BUILDINGS OR OTHER SIMILAR GROUND COVER WHICH MIGHT CONCEIVABLY CONCEAL WEAPON LYING ON SURFACE. END REF WDS:RHS (S-155)

BT
[REDACTED]

~~SECRET~~
PAGE 2 RUTQBN 01A 8-2-66

2-6-3185
1 FEB 66; C00123, 2 FEB 66; 3 FEB 66. THIS RPT COVERS REQUIREMENTS OF ATCHM'T 4, AFR WQWUARM

A. NO CHANGE.

B. NO CHANGE. NUMBER 4 WEAPON, MK 28Y1, MOD 2, SERIAL NUMBER 245305 HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE

E. NO CHANGE.

F. INTENSIVE SEARCH STILL CONTINUES FOR WEAPON NUMBER 4.

MAJOR APOSTALON AND SMSGT FRIEND HAVE DEPARTED ACCIDENT SITE TO TORREJON AIR BASE FOR SUBSEQUENT TRANSPORT TO CQVUS.

DAILY MEETINGS WITH SPANISH NEC PERSONNEL: BASIC AGREEMENT ON THE CONSTRUCTION OF THE BURIAL PIT HAS BEEN ACCOMPLISHED, IE 1 1/2 MM LEAD LINED ON TOP AND BOTTOM AND 2 1/2 MM LEAD LINED ON SIDES. ROOF WILL BE OF SELF SUPPORTING CONCRETE OF APPROXIMATELY 15 INCH THICKNESS.

THE SPANISH NEC PERSONNEL ARE CONDUCTING AN INVESTIGATION AND TESTS ON THE CAUSE OF SEVERAL THOUSAND BEES, TEST SHALL ALSO BE MADE ON THE BEE HIVES AND HONEY. FURTHER RESULTS WHEN

AVAILABLE.

~~SECRET~~ (ATOMIC ENERGY ACT 1954)

2-6-3308

P-4

~~SECRET~~ RESTRICTED DATA
PAGE 3 ROUTING SLIP NO. 1

TODAY USAF PERSONNEL ARE REMOVING THE WATER FROM THE SCHOOL'S DRINKING WATER CISTERN, THE CISTERN SHALL BE CLEANED AND THE WATER SHALL BE REPLACED WITH POTABLE WATER.

SITE 2 INFO FOLLOWS: ARMY MINE-SWEE TEAM CONTINUING WORK, RESULTS OF THEIR CLEAN-UP OF SMALL DEBRIS IS NOTEWORTHY. DURING GRADING AND BULLDOZING OPERATIONS, WATERING FOR DUST CONTROL AND AIR SAMPLING ARE PERFORMED. NINE SAMPLES TAKEN AND RESULTS ARE ALL NEGATIVE.

THE 7,000 CPM LINE HAS BEEN ESTABLISHED AND MAPPED. CROP REMOVAL HAS COMMENCED.

TRUCKS EQUIPPED WITH LARGE ENCLOSED PLYWOOD BOXES HAVE BEGUN MOVING VEGETATION FROM CLEARED FIELDS TO LIME PIT. (AFTER CONSTRUCTION OF BURIAL PIT IS COMPLETED THIS VEGETATION WILL BE REMOVED FROM THE LIME PIT AND PLACED IN THE BURIAL PIT).

SITE 3 INFO FOLLOWS: CROP CLEARING OPERATION IS CONTINUING. PLOTS ARE BEING SELECTED FOR WATERING, PLOWING AND REVEGETATING OPERATIONS.

VILLAGE: THE VILLAGE OF PALOMARES HAS BEEN REDESIGNATED SITE 5.

ALL REFERENCE TO PALOMARES HERE AFTER WILL BE TERMED SITE 5. USAF

AND NEC MONITORING OF SITE 5 IS COMPLETED.

P-5

2-6-3308

PAGE 4 RUTQB

CAMP AREA: CAMP AREA AND EQUIPMENT MONITORING WAS ACCOMPLISHED WITH NEGATIVE RESULTS. SEA WATER SAMPLE RESULTS WERE NEGATIVE. CLAIMS: EMERGENCY CLAIMS PAID ON WW FEB 66, 2 CLAIMANTS WERE PAID \$466.67. TOTAL CLAIMANTS TO DATE 79, TOTAL AMOUNT CLAIMS PAID TO

DATE \$311 ⁸⁸⁸⁴ MIRM

G. NO CHANGE.

H. NO CHANGE

I. NO CHANGE.

J. NO CHANGE

K. SEE "F" ABOVE.

L. NO CHANGE.

M. NO CHANGE.

N. NO CHANGE.

. A.B. BRUZAKER, CAPTAIN, HQ 16AF, DM4E, EXT 3003, TORREJON AB,

PAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE. G-1

BT

~~SECRET~~

2-6-3308

NNNN

PRIORITY

NNNNPUA335VV TUA642PQA736

PP RUWPUJ

3 FEB 66 22

56 ACTION

INFO

DE RUWPQA 195C 0342030

ZNY SSSSS

P 032021Z

OP-7,8,9

SE-10

TG-11,12

DV-13,14,15

AM-16

FM W F WHITE USAEC ALBUQUERQUE NMEX

TO RUT 08N16AF TORREJON AB SPAIN ATTN ADVON PASS TO RC MAYDEW
/SERIES C/

INFO RUWMA/DNS KIRTLAND AFB NMEX/SERIES D/

RUJPG/LCDR G HEDRICK DMA USAEC WASHDC/SERIES E/

RUWPUJ/LCOL CARL JOHNSON NACC FC/DASA SANDIAB/SERIES F/

RUWPL/FRANK DUNN LASI LOS ALAMOS NMEX/SERIES G/

RUWPS/W BARTON S MOORE SANDIA CORP ALBUQ NMEX/SERIES H/

ADC

BT

THIS DOCUMENT CONSISTS OF 7 PAGES

RE: ANALYSIS OF ACFT COLLISION NEAR VERA,

SPAIN BY SANDIA CORP TEAMS (MESSAGE 5). REF: SRD MSG, 1 FEB 0900

REF: CITE C-00108, FOR W R BARTON, SANDIA CORP, 9320.

TO: RC MAYDEW, SANDIA CORP, FROM W R BARTON AND W N. CAUDLE. THIS
MESSAGE IN FIVE PARTS.

THIS DOCUMENT CONSISTS OF 7 PAGES

PART 1: OUR ASSUMPTIONS, BASED ON YOUR MSG OF 1 FEB. (1) SECONDARY
REMAINED INTACT DURING IMPACT. (2) THERE WAS NO HE DETONATION WITH
SECONDARY IMPACT. (3) SLAG PILES ARE MORE THAN 20 YEARS OLD.

(4) ANY SAND NOT ON THE BEACH IS DRY. (5) CALICHE IS LIGHTLY
CEMENTED, LIKE MESA SOIL IN ALBUQUERQUE. (6) LOAM MEANS AN

2-63357

Discop

PAGE TWO RUWPQA 195C [REDACTED]

IRRIGATED AND PLOWED FIELD. PART II: CRATER INFORMATION. IN SLAG AND TAILING PILES, NOSE-ON CRATER WILL BE LESS THAN 3 FEET ACROSS AND MAY BE INVISIBLE IF ON SLOPE OF PILE. LENGTHWISE CRATER WILL BE LESS THAN 8 FEET ACROSS. CRATER ON SLAG OR TAILING PILE SHOULD BE DARKER THAN SURFACE OF PILE, AND YOU SHOULD SEE THROWOUT RAYS OF DARKER MATERIAL. THERE PROBABLY WILL BE NO READILY VISIBLE CRATER LIP. IN DRY SAND NOSE-ON CRATER SHOULD BE ABOUT 3 FEET ACROSS; LENGTHWISE CRATER ABOUT 8 FEET ACROSS. CRATER SLOPES WILL BE VERY FLAT, LESS THAN 20 DEGREES AND WILL PROBABLY HAVE NO READILY VISIBLE CRATER LIP OR THROWOUT RAYS. CRATER ON SANDY BEACH WILL SURELY BE DISTORTED AND LIKELY DESTROYED BY TIDES. CRATER IN CALICHE WILL BE LESS THAN 3 FEET ACROSS FOR NOSE-ON IMPACT AND LESS THAN 8 FEET ACROSS FOR LENGTHWISE IMPACT. CRATER SLOPES WILL PROBABLY BE 30 TO 40 DEGREES. FALLBACK AND THROWOUT IN AND AROUND CRATER SHOULD BE CHUNKY. YOU MAY BE ABLE TO SEE THROWOUT RAYS AND PERHAPS RADIATING CRACKS CLOSE TO CRATER. CRATER IN LOAM WILL BE LESS THAN 3 FEET ACROSS FOR NOSE-ON IMPACT AND LESS THAN 8 FEET ACROSS FOR LENGTHWISE IMPACT. CRATER SLOPES WILL BE ABOUT 20 TO 30 DEGREES.

IF LOAM IS MOIST, CRATER WILL BE SMALLER AND THE SLOPES STEEPER

P2 [REDACTED]

2-6-3357 [REDACTED]

~~SECRET~~

PRIORITY

~~SECRET~~

8 FEB 66 00 07

PUA978TUA373QTC523

ACTION

INFO

OP-7,8

SE-9

16-10/11

OV-12,13,14

AM-15

PP RUWPUJ

DE RUTQCS 1134 0382135

ZNY SSSSS

IBT

SECRET RD SVC ZUI RUWPQS 13S 0381840 X ALSO TO RUWPUJ X

AZDK RUTQBN 002A 0380931 P 070805Z

PP RUWPQS RUWPQJ

DE RUTQBN 002A 0380931

ZNY SSSSS

P 070805Z FEB 66

FM ISAF ADVON SPAIN

TO RUEPXG/AEC WASH DC

IRUWPQA/AEC ALD ALBUQ NMEX

RUWPQS/SANDIA CORP ALBUQ NMEX

RUWPQL/LOS ALAMOS SCIENTIFIC LABORATORY LOS ALAMOS NMEX

RUWMFNA/DIR OF NUCLEAR SAFETY KIRTLAND AFB NME

RUWPQS/FC DASA SANDIA BASE ALBUQ NMEX

BT P1

~~DECLASSIFIED DATA~~

~~ATOMIC ENERGY ACT 1946~~

~~THIS DOCUMENT CONTAINS UNCLASSIFIED INFORMATION~~

2-6-3670

WPNS DISCREP

~~SECRET~~

~~ATOMIC ENERGY ACT 1946~~

246-566-6000
PAGE(S)

~~SECRET~~
C-00171 FEB 66. FOR DIRECTOR OF MIL-
ITARY APPLICATION, AEC WASH DC. FOR W.R. HOAGLAND, AND ORG 9320 SANDIA
CORP, ALBUQ, NMEX. FROM AEC NUCLEAR WEAPON SAFETY TEAM. REFERENCE
STATUS OF SEARCH OPERATION AT PALOMARES, SPAIN, ACCIDENT. THE SYSTEMY
ANAYLISIS TEAM HAS COMPLETED THE IDENTIFICATION OF MOST PROBABLE
IMPACT AREAS FOR WEAPON NO. 4 OR PARTS THEREOF. GROUND SEARCH
OPERATIONS ARE TO BE INTENSIFIED BEGINNING MONDAY IN ANCURCULAR
AREA 5000 FT IN RADIUS WHOSE MID POINT IS 37 DSGREES 49.65 MINUTES
NORTH, 1 DEGREE 49.9 MINUTES WEST. SEA SEARCH OPERATIONS ARE TO
BE ALIGNED ALONG THE 300 DEGREE AVARAGE WIND CORRIDORS WITH EMPHAUS

PAGE 2 RUTQBN 002A ~~SECRET RESTRICTED DATA~~
AT A POINT DETERMINED BY THE SPANISH FISHERMAN'S TESTIMONY.
CONTINUING ASSISTANCE BY THE NUCLEAR WEAPON SAFETY TEAM WILL
CONSIST OF LIAISON, VERIFIVATION OF PROMISING IMPACT
CRATERS, AND IDENTIFICATION OF WEAPON PARTSNWHEN FOUND.

GP-1

BT

P2

~~SECRET~~

RESTRICTED DATA

2-6-3670

~~SECRET~~

~~SECRET~~

PRIORITY

8 FEB 66 00 07

PUA978TUA3730TC523

ACTION

INFO

OP-7,8

SE-9

TK-10,11

OV-12,13,14

AM-15

PP RUWPUJ

DE RUTQCS 1134 0382135

ZNY SSSSS

IBT

SECRET RD SVC ZUI RUWPQS 13S 0381840 X ALSO TO RUWPUJ X

AZDK RUTQBN 002A 0380931 P 070805Z

PP RUWPQS RUWPQJ

DE RUTQBN 002A 0380931

ZNY SSSSS

P 070805Z FEB 66

FM ISAF ADVON SPAIN

TO RUEPXG/AEC WASH DC

IRUWPQA/AEC ALD ALBUQ NMEX

RUWPQS/SANDIA CORP ALBUQ NMEX

RUWPQL/LOS ALAMOS SCIENTIFIC LABORATORY LOS ALAMOS NMEX

RUWMFNA/DIR OF NUCLEAR SAFETY KIRTLAND AFB NME

RUWPQS/FC DASA SANDIA BASE ALBUQ NMEX

BT P1

~~RESTRICTED DATA~~

~~ATOMIC INFORMATION~~

~~THIS DOCUMENT CONTAINS~~

2-6-3670

WPNs DISCOP

~~SECRET~~

~~RESTRICTED DATA~~

20101

246566 ECKEN
PAGE(8)

~~SECRET~~ C-00171 FEB 66. FOR DIRECTOR OF MIL-
ITARY APPLICATION, AEC WASH DC. FOR W.R. HOAGLAND, AND ORG 9320 SANDIA
CORP, ALBUQ, NMEX. FROM AEC NUCLEAR WEAPON SAFETY TEAM. REFERENCE
STATUS OF SEARCH OPERATION AT PALOMARES, SPAIN, ACCIDENT. THE SYSTEMY
ANAYLISIS TEAM HAS COMPLETED THE IDENTIFICATION OF MOST PROBABLE
IMPACT AREAS FOR WEAPON NO. 4 OR PARTS THEREOF. GROUND SEARCH
OPERATIONS ARE TO BE INTENSIFIED BEGINNING MONDAY IN ANCURCULAR
AREA 5000 FT IN RADIUS WHOSE MID POINT IS 37 DSGREES 49.65 MINUTES
NORTH, 1 DEGREE 49.9 MINUTES WEST. SEA SEARCH OPERATIONS ARE TO
BE ALIGNED ALONG THE 300 DEGREE AVARAGE WIND CORRIDORS WITH EMPHAUS

PAGE 2 RUTQBN 002A ~~SECRET~~ RESTRICTED DATA

AT A POINT DETERMINED BY THE SPANISH FISHERMAN'S TESTIMONY.
CONTINUING ASSISTANCE BY THE NUCLEAR WEAPON SAFETY TEAM WILL
CONSIST OF LIAISON, VERIFIVATION OF PROMISING IMPACT
CRATERS, AND IDENTIFICATION OF WEAPON PARTS WHEN FOUND.

GP-1

BT

~~SECRET~~ RESTRICTED DATA

2-6-3670

~~SECRET~~

~~SECRET~~

NNNNPUA 43 8ZB8 16

00 RUWPUJ

ZDY SSSSS ZOV RUEPWZ

EUL138 EUH838CEC 228

00 RUEPWZ

DE RUTQBN 008A 0401500

ZNY SSSSS

O 091400Z FEB 66

FM 16AF ADVON

9 FEB 66 18 36

ACTION

INFO

OP-78,9

SE-10

TG-11,12

DL-13,14,15

AM-16

*Colbd Sgt
Swann 1837*

~~SECRET~~

~~SECRET~~

IMMEDIATE

TO RUEKDA/SECRETARY OF DEFENSE

RUEAHQ/CSAF USAF

RUEAFNA/DIR NUG SFTY KIRTLAND AFB NM

RUEAHNF/DEP INSP SFTY NORTON AFB CALIF

RUCSC/HQ SAC OFFUTT AFB NEB

RUCWAA/HQ 2 AF BARKSDALE AFB LA

RUEIBH/HQ 8 AF WESTOVER AFB MASS

RUTQBN/HQ 16 AF TORREJON AB SPAIN

RUCWHU/42ND AIR DIV BLYTHEVILLE AFB ARK

RUETSR/822ND AIR DIV TURNER AFB GA

RUCWHU/97 BW BLYTHEVILLE AFB ARK

RUETFX/68 BW SEYMOUR JOHNSON AFB NC

RUEBAA/AFSC ANDREWS AFB MD

~~SECRET~~

~~SECRET~~

~~SECRET~~

2-6-3895

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NO 12 OF 11 COPIES SECURED

THIS DOCUMENT CONTAINS INFORMATION OF A SECRET NATURE
NO 12 OF 11 COPIES SECURED

DSQ/AFLC WF

~~SECRET~~

RUWGNK/SAAMA KELLY AFB TEX

RUWNA/AFSWC KIRTLAND AFB NM

RUWHKL/OAMA HILL AFB UTAH

RUWGNK/OAMA TINKER AFB OKLA

RUWTBIA/DA ATB EGLIN AFB FLA

INFO RUFFBW/USAF CP

RUCVSK/SAC OTSL CARSWELL AFB TEX

RUEPWZ/FC DASA SANDIA AFB NM

RUTHBH/CHIEF JUSMAG SPAIN

BT

~~SECRET~~ C-00193 FEB 66

SUBJ: SUPPLEMENTAL REPORT NO. 16 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASD (AE); CSAF AND AFIGO, AFIIIS,
AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO, DM, DQSD; 2, 8, 16AF,
42, 822 AD (DO, DM, DS); 68 & OU BW (DCO, DCM, DS); SCIZ; MCASS;
SWVN; DOYS; JUSMAG FOR GEN DONOVAN; FC DASA. THIS CONSTITUTES
ADDITIONAL OR CORRECTED INFO TO REPTS FROM 16AF ADVON SECRET/RD

MSGS C0010, 23 JAN 66; C0028, 24 JAN 66; C 0034, 25 JAN 66;
C 30041, 26 JAN 66; C 0054, 27 JAN 66; C 0056, 28 JAN 66;
C 0080, 29 JAN 66; C 0085, 30 JAN 66; C 0098, 31 JAN 66;

2-6-3895

PAGE 2 RUTQBN 008

~~SECRET~~
2-6-3089
C 00111, 1 FEB 66; C 00123, 2 FEB WYV C 00134, 3 FEB 66;
2-6-3438
C 00145, 4 FEB 66; C 00160, 5 FEB 66; C 00174, 7 FEB 66; 9 FEB
66. THIS REPT COVERS REQUIREMENTS OF ATCHM'T 4, AFR 127-4. GP-1

A. NO CHANGE

B. NO CHANGE. WEAPON NR. 4, MK28Y1, MOD 2, SERIAL NUMBER 45345, HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE.

E. NO CHANGE.

F. THE SEARCH FOR WEAPON NR. 4 STILL CONTINUES.

MEETING WITH SPANISH NEC PERSONNEL TWO FIELDS IN SITE NR. (PLOT NR 12 AND PLOT NR. 16) HAVE BEEN PLOWED AND MONITORED. MONITORING RESULTS WERE ZERO CPM, THE SPANISH NEC HAVE ACCEPTED THESE RESULTS, AND THE LAND WILL BE RETURNED TO THE SPANISH FARMERS FOR USE.

A VERBAL AGREEMENT HAS BEEN MADE WITH SPANISH NEC PERSONNEL ON THE DISPOSITION OF CONTAMINATED VEGETATION IE VEGETATION WITH READINGS OF LESS THAN 400 CPM WILL BE MULCHED AND DEPOSITED IN THE DRY RIVER BED. VEGETATION WITH READINGS IN EXCESS OF 400 CPM WILL BE MULCHED AND DEPOSITED IN THE TEMPORARY BURIAL PIT AT SITE NR. 2.

SITE NR. 2 INFO TO FOLLOW: SOIL SCRAPING OPERATIONS ARE CONTINUING

R3

~~SECRET~~

2-6-3005

PAGE 3 RUTQBN 008A

~~SECRET~~

IN THE 7000 CPM AND OVER AREA OF SITE NR. 2. CONTINUAL WATERING OF THE AREA BEING SCRAPED IS PERFORMED AS A DUST CONTROL. DETAILED MONITORING IS PERFORMED DAILY TO ASSURE THE SPECIFIC LOCATION OF THE 7000 CPM AND ZERO CPM LINES.

SITE NR. 3 INFO TO FOLLOW: REMONITORING TO RECONFIRM THE PREVIOUSLY ESTABLISHED 7000 CPM LINE WAS PERFORMED ON 7 FEB. ADDITIONAL 7000 CPM AREA WAS IDENTIFIED DURING THIS OPERATION, THIS AREA IS FARM LAND LOCATED TOWARD THE RIVER BED FROM SITE NR. 3. THE ADDITIONAL AREA IS A STRIP OF LAND 3600 FEET LONG AND 100 FEET WIDE (APPROX 9 1/2 ACRES) THIS IS IN ADDITION TO THE PREVIOUS ESTIMATE OF 1 1/2 ACRES. VEGETATION MULCHING OF CLEARED CROPS HAS BEGUN.

ALL CONTAMINATED SOIL HAS BEEN REMOVED FROM PLOT NR. 1 (GROUND ZERO) OF SITE NR. 3. DURING 7 & 8 FEB 42 TRUCK LOADS (APPROX 126 CUBIC YARDS) WERE REMOVED TO THE TEMPORARY DISPOSAL PIT AT SITE NR. 2. THE GRAND TOTAL OF SOIL REMOVAL IS 76 TRUCK LOADS (APPROX 228 CUBIC YARDS) SITE NR. 5 INFO TO FOLLOW: DECONTAMINATION OF THE SCHOOL CISTERN IS COMPLETE, THE CISTERN HAS BEEN REFILLED WITH POTABLE WATER.

THE CRITERIA FOR THE DECONTAMINATION OF HOUSES WITHIN SITE C. 5 WAS PREVIOUSLY REPORTED AS THOSE WHICH HAVE READINGS OF 7000 CPM OR GREATER. THIS IS AN ERROR. HOUSE WASHING (DECONTAMINATION) IS PERFORM-

24

~~SECRET~~

2-6-3895

FC/01660923

PAGE 4 RUTQBN 008A

~~SECRET~~

A

34

ED UPON SPECIFIC REQUEST OF THE SPANISH NEC MONITORS.

SITE NR. 6 INFO TO FOLLOW: DETAILED MONITORING IS CONTINUING. READINGS VARY FROM ZERO TO 5000 CPM. CONSERVATIVE ESTIMATE OF AVAILABLE DATA INDICATES THAT SITE NR. 6 IS AN EXTENSION OF THE SITE NR. 3 ZERO CPM LINE. MISCELLANEOUS: CAMP SITE MONITORING OF LIVING QUARTERS, HIGH TRAFFIC AREAS, DECONTAMINATION/SHOWER AND LAUNDRY CONTINUE TO GIVE NEGATIVE RESULTS. SAMPLES OF SEA WATER, SHOWER AND LAUNDRY EFFLUENT CONTINUE TO GIVE NEGATIVE RESULTS.

CLAIMS: EMERGENCY PAYMENTS THROUGH 8 FEYHAVE BEEN MADE TO 106 CLAIMANTS FOR A TOTAL OF \$4489.68.

G. NO CHANGE.

H. NO CHANGE.

I. NO CHANGE.

J. NO CHANGE

K. SEE "F" ABOVE.

L. NO CHANGE

M. NO CHANGE

N. NO CHANGE

O. A. B. BRUBAKER, CAPT, HQ 16AF, DM4E, EXT 3003, TORREJON AB, SPAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE. GP-1.

BT

~~SECRET~~

UNCLASSIFIED DATA
EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

2-6-3895

P-5

10701000-33

PAGE 3 RUIQBN 6A S E C R E T

MISCELLANEOUS: PLOWING OF FIELDS PLOTS WHICH HAVE HAD VEGETATION REMOVED IS CONTINUING. APPROXIMATELY 100 ACRES HAVE BEEN PLOWED TO DATE.

MONITORING AND SAMPLING RESULTS OBTAINED IN THE CAMP AREA CONTINUE TO BE NEGATIVE.

CLAIMS: THROUGH 1200 HOURS 13 FEBRUARY 66:

CLAIMS PROCESSED AND PAID 13

AMOUNT PAID: \$2,789.00

EMERGENCY PAYMENTS: 137

AMOUNT PAID: \$6,940.87

G. NO CHANGE.

H. NO CHANGE.

I. NO CHANGE.

J. NO CHANGE.

K. SEE "F" ABOVE

L. NO CHANGE.

M. NO CHANGE.

N. NO CHANGE.

O. A.B. BRUBAKER, CAPTAIN, HQ16AF, DM4E, EXT 3003, TORREJON AB, SPAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE.

BT

~~SECRET~~

2-6-5112

FE 0923

NNNNPUA929V WZB061

16 FEB 66 22 35

PP RUWPUJ

ZNY SSSSS ZQV RUEPWZ

ZCZCEUL 492 EUH665CEF354

PP RUEPWZ

DE RUTQBN 013A 0471900

ZNY SSSSS

P 161700Z FEB 66

FM 16TH AF ADVON

TO RUEKDA/SECRETARY OF DEFENSE

RUWMFNA/DIR NUG SFTY KIRTLAND AFB NM

RUWHNF/DIP INSPSFTY NORTON AFB CALIF

RUCSC/HQ SAC OFFUTT AFB NEB

RUCVAA/HQ 2 AF BARKSDALE AFB LA

RUETBH/HQ PAF WESTOVER AFB MASS

RUTQBNA/HQ 16AF TORREJON AB SPAIN

RUCVHA/42ND AIR DIV ELYTHEVILLE AFB ARK

RUETSR/822ND AIR DIV TURNER AFB GA

RUCVHU/97BW ELYTHEVILLE AFB ARK

RUETFK/68TH BW SEYMOUR JOHNSON AFB NC

RUEBBAA/AFSC ANDREWS AFB MD

RUCDSQ/AFLC WPAFB

RUWGNH/SAAMA KELLY AFB TEXASZ

RUWMFNA/AFSWC KIRTLAND AFB NM

RUWHHL/OCVA HILL AFB UTAH

RUWGNK/OCAMA TINKER AFB OKAL

RUWTBTA.DA ATB EGLIN AFB FLA

INFO RUFPBWL/USAFE CP

ACTION

INFO

OP-7,8

SE-9

TG-10,11

OV-12,13,14

AM-15

~~THIS DOCUMENT CONTAINS~~

~~NO MORE THAN TWO COPIES, SERIAL~~

6

NO. 100-1000923

FCAP

2-6-4679

NPNS DISCREP

NO. 100-1000923

V

SK/SAC OTSL CARSWELL AFB TEXAS

RUEPWZ/FC DASA SANDIA AFB NM

RUTHEH/CHIEF JUSMAG SPAIN

BT

~~SECRET~~ ~~RESTRICTED DATA~~ C-00255 FEB 66.

SUBJ: SUPPLEMENTAL REPORT NO. 18 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASTD (AE); CSAF AND AFIGO, AFIIS,
AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO, DM, DOSD; 2, 8, 16AF,
42, 822 AD (DO, DM, DS); 68 & 97 B (DCO, DCM, DS); SCIZ; MCASS;
SWVN; OOYS; JUSMAG FOR GEN DONOVAN; FC DASA. THIS CONSTITUTES
ADDITIONAL OR CORRECTED INFO TO REPTS FROM 16AF ADVON SECRET/RD

1-6-5396 1-6-5532
MESGS C 00010, 23 JAN 66; C 00028, 24 JAN 66; C 00034, 25 JAN 66;

N/R 1-6-5843 1-6-9092 1-6-
00041, 26 JAN 66; C 00054, 27 JAN 66; C 00066, 28 JAN 66; C 00080,
9151 1-6-9189 1-6-9216 2-6-3089
25 JAN 66; C 00085, 30 JAN 66; C 00098, 31 JAN 66; C 00111, 1 FEB

P2

~~SECRET~~

2-6-4679

PAGE 2 RUTQBN 013A

66; C 00123, 2 FEB 66; C 00134, 3 FEB 66; C 00149, 4 FEB 66; C 00160, 5 FEB 66; C 00174, 7 FEB 66; C 00193, 9 FEB 66; C 00209, 12 FEB; 16 FEB 66. THIS REPT COVERS REQUIREMENTS OF ATCHM'T 4, AFR 127-4. GP-1

A. NO CHANGE.

B. NO CHANGE. WEAPON NR. 4, MK28Y1, MOD 2, SERIAL NUMBER 45345, HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE.

E. NO CHANGE.

F. THE SEARCH FOR WEAPON NR. 4 STILL CONTINUES.

SITE NR. 2 INFO TO FOLLOW: TO DATE APPROXIMATELY 760 CUBIC YARDS OF SOIL HAVE BEEN REMOVED FROM GROUND ZERO AT SITE NR. 2 AND STACKED ADJACENT TO THE TEMPORARY DISPOSAL PIT. APPROXIMATELY 328 CUBIC YARDS OF SOIL HAS BEEN REMOVED FROM SITE NR. 3 AND STACKED NEAR THE TEMPORARY DISPOSAL PIT. THE GRAND TOTAL OF SOIL REMOVED IS APPROXIMATELY 1088 CUBIC YARDS.

SITE NR. 3 INFO TO FOLLOW: THE MUNCHING OF VEGETATION IS CONTINUING. THE PLOWING OF FIELD PLOTS IS ALSO CONTINUING, TOTAL REAGE PLOWED TO DATE IS NOT AVAILABLE AT THIS REPORT.

P3

2-6-4675

PAGE 3 RUTQBN 013A [REDACTED]

SITE NR. 5 INFO TO FOLLOW: USAF AND NEC MONITORING AND DECONTAMINATING OF HOUSES CONTINUES.

SITE NR. 6 INFO TO FOLLOW: USAF AND NEC PERSONNEL ARE CONTINUING THEIR MONITORING FUNCTIONS IN THE PUEBLO OF VILLARICOS. ESTABLISHMENT OF THE ZERO CPM LINE WAS COMPLETED ON 16 FEBRUARY.

MISCELLANEOUS: THE HIGH WINDS MENTIONED IN THE PREVIOUS REPORT DID NOT EFFECT ANY SIGNIFICANT CHANGE TO THE 7000 CPM OR ZERO CPM LINES. THESE WINDS DID HOWEVER HAMPER DECONTAMINATION EFFORTS (PLOWING AND VEGETABLE MUNCHING)

DURING THE EVENING HOURS OF 15 FEBRUARY, A WELCOM ALTHOUGH LIGHT RAIN SPRINKLED THE LOCAL AREA, ITS EFFECT IN PREVENTING DUST WAS NOTICABLE, ITS EFFECT IN LEACHING AWAY CONTAMINATION REMAINS TO BE EVALUATED.

AIR SAMPLING RESULTS CONTINUE TO BE NEGATIVE. MONITORING OF

BUSES, TENTS, MESS HALL, SEA WATER, LAUNDRY AND SHOWER EFFLUENTS CONTINUE TO REVEAL NEGATIVE RESULTS.

A CONTROL STATION HAS BEEN ESTABLISHED TO MONITOR ALL PERSONNEL AND AFFECTS AND VEHICLES PRIOR TO DEPARTURE FROM CAMP. DECONTAMINATION MUST BE PERFORMED WHENEVER READINGS IN EXCESS OF 450 CPM ARE ENCOUNTERED.

PY

[REDACTED] 2-6-4679

PAGE 4 RUTQBN 013A

~~SECRET~~
AS OF 1800 HOURS ON 15 FEBRUARY THE FOLLOWING SAMPLES OR SPECIMENS HAD BEEN TAKEN AND SUBMITTED TO WPAFB LABORATORY FOR ANALYSIS:

435 URINE

3 SOIL

41 NASAL SWABS

28 VEGETATION

1 BEE SAMPLE

1 HONEY SAMPLE

1 HIVE PORTION

A TOTAL OF 229 AIR SAVPLES HAVE BEEN TAKEN.

CLAIMS: THROUGH 12 HOURS ON 15 FEBRUARY, 6 FINAL CLAIMS HAVE BEEN PAID FOR AN AMQUNT OF \$2060.67. 128 EMERGENCY PAQMENTS HAVE BEEN PAID FOR A TOTAL OF \$6050.59.

G. NO CHANGE.

H. NO CHANGE.

I. NO CHANGE.

J. NO CHANGE.

K. SEE "F" ABOVE.

L. NO CHANGE.

PS

~~SECRET~~

2-6-4679

PAGE 5 RUTQBN 013A S [REDACTED]

M. NO CHANGE.

N. NO ZCZCEUL 493 GE.

O. A.B. BRUBAKER, CAPTAIN, HQ 16AF, DM 4E, EXT 3003, TORREJON AB,
SPAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE. GP-1

BT

~~SECRET~~ [REDACTED]

2-6-4679

P6

~~SECRET~~

17 FEB 66 1343

PUA065 TUA6900TB034

PP RUWPUJ

DE RUTQBN 07A 0481200

ZNY SSSSS

P 171016Z FEB 66

FM 16AF ADVON SPAIN

ACTION

INFO

OP-78

SE-9

TG-1911

OV-1313,14

AM-15

TO RUWPGA/USAEC ALBUQUERQUE NM

RUEPXG/LSAEC WASHINGTON DC

RUWPQS/SANDIA CORP ALBUQUERQUE NM

RUWPQL/DIR LOS ALAMOS SCIENTIFIC LAB LOS ALAMOS NM

RUWMFNA/DIR OF NUCLEAR SAFETY KIRTLAND AFB NM

RUWPUJ/COMDR FC DASA ALBUQUERQUE NM

BT

~~SECRET~~ C00263. FEB 66. FOR: W.F. WHITE USAEC

ALBUQUERQUE; LCDR G. HEDRICK USAEC WASHINGTON; W. R. HOAGLAND 1544
AND R. C. MAYDEW 9320 SANDIA CORP. FROM AEC NUCLEAR SAFETY TEAM.
THE FOUR PREVIOUSLY REPORTED CRATERS HAVE BEEN INVESTIGATED IN
ACCORDANCE WITH IMPACT CRATER INFO FROM WSMR TESTS WITH NEGATIVE
RESULTS. NEW GROUND SEARCH SWEEPS OF THE IMPACT AREA BEGUN SATURDAY
FEB 12, AND ARE PRODUCING ADDITIONAL POINTS OF INTEREST FOR INVESTIG
ATION. GP-1.

BT

~~SECRET~~

ATOMIC ENERGY ACT 1954

2-6-4761

wpr nmy

PRIORITY

ACTION INFO

OP-718 SE-9
TG-10,
Y-12,13,
AM-15

157035

CYS RECD REPRO

ACTION INFO

AFINS		
AFINST		
AFINSN		
AFINSR		
AFINSW		
AFINSE		
AFIDIM3		

RETURN COPY 3-CP

PFTS JAW RU-TVSA0074 0461254-SSSS--RUTWFA.
DE RUEKDA 075C 0452310
ZNY SSSSS
P 142317Z
FM SECDEF
TO ZEN/CSAF
INFO RUTW/16TH AF
RUTW/16TH ADVON
RUEKX/AEC GERMANTOWN
RUEKHA/DNS KIRTLAND
BT

DEF 3969 FROM ATSD(AE)

INFORMATION AVAILABLE HERE INDICATES LABORATORY EXAMINATION OF HOT SPOTS ON S-52 TAIL AND KC-135 NACELLE MAY SHED SOME LIGHT ON FATE OF BEAPON NO. 4. SPECIFICALLY, NATURE OF CONTAMINATION (METAL OR OXIDE) AND EVIDENCE OF PLATING OR IMPACT DEPOSITION MAY BE IMPORTANT CLUES IN FUTURE ANALYSES. AEC HAS AGREED TO UNDERTAKE LABORATORY WORK. REQUEST USAF ADVISE PRESENT LOCATION SUBJECT MATERIAL AND ARRANGE EXPEDITED SHIPMENT TO DNS KIRTLAND. FOR DNS FINAL DESTINATION INSTRUCTIONS WILL FOLLOW.

GP 1 126

AFINS 680132

2-6-4784

wpi disp

PFTS JAW RUMTVSA0279 8461911-SSSS--RUMTVSA
 DE RUTCBH 87A 8461815
 ZNY SSSSS
 P 151800Z FEB 66
 FM 16AF ADVON SPAIN
 TO RUEAHQ/CSAF
 INFO RUTQNA/16AF TORREJON AB SPAIN
 RUCSC/NO SAC OFFUTT AFB NEBR
 RIEPXS/AEC GERMANTOWN
 RIEXDA/SECDEF WASH DC
 RUMFHA/DNS KIRTLAND
 BT

[REDACTED] C 80243, FEB 66, THE NUMBER 3 KC-135 ENGINE AND
 WACELLE HAVING A SMALL HOT SPOT READING 5000 CPM HAS BEEN
 SHIPPED TO OCAMA FOR ENGINE ANALYSIS. A SMALL PIECE OF 2-52
 EISENHAGE SKIN (3000 CPM), SAM 72 PARTIAL RACK (300-10,000 CPM)
 AND OTHER MISCELLANEOUS AIRCRAFT PARTS WITH LOWER READINGS BEING
 PACKAGED FOR SHIPMENT AT TORREJON. WILL SEND TO DNS KIRTLAND
 NEXT AVAILABLE AIRLIFT. CP-1.
 BT

130

AFINS

666487

SECRET

2-6-4785
 WPN DISP

3	CY8 RECD	REPROD
	ACTION	INFO
	15 FEB 66	19 202
	AFINST	
	AFINSN	
	AFINBR	
	AFINSW	
	AFINSE	
	AFIDMS	
	4	TO AL
	3-CP	

PRIORITY

ACTION | INFO

OP-718

SE-9
 TG-10,11
 DV-12,13,14
 AN-15

SECRET

SECRET

altel 240-10-10

~~SECRET~~

NNNNTTPUA957WZB405

PP RUWPUJ

27 FEB 66 20 04

ZNY SSSSS ZOV RUEPWZ

EUL057EUH129CEB570

PP RUEPWZ

DE RUTQBN 06A 0581743

ZNY SSSSS

P 271625Z FEB 66

FJ 16AF ADVON

TO RUEKDA/SECRETARY OF DEFENSE

RUEAHQ/CSAF USAF

RUWMFMA/DIR NUC SFTY KIRTLAND AFB NM

RUWHNF/DEP INSPSFTY NORTON AFB CALIF

RUCSC/HQ SAC OFFUTT AFB NEB

RUCVAA/HQ 2AF BARKSDALE AFB LA

RUETHB/HQ 8AF WESTOVER AFB MASS

RUTQBNA/HQ 16AF TORREJON AB SPAIN

RUCVHU/42ND AIR DIV BLYTHEVILLE AFB ARK

RUETSR/822ND AIR DIV TURNER AFB GA

RUCVHU/97BW BLYTHEVILLE AFB ARK

RUETFK/68BW SEYMOUR JOHNSON AFB NC

RUEBBAA/AFSC ANDREWS AFB MD

RUCDSDQ/AFLC WPAFB

RUWGNH/SAAMA KELLY AFB TEXAS

RUWMFMA/AFSVC KIRTLAND AFB NM

PI

PRIORITY

ACTION

DATE

OP-7, 8, 9

SE-10

TG-11, 12

DV-13, 14, 15

AM-16

Added 2nd 16F0952
~~THIS DOCUMENT CONTAINS~~
~~NO UNCLASSIFIED INFORMATION~~

2-6-5710

WPNS DISCREP

[REDACTED]

RUVHHL/OCAMA HILL AFB UTAH
RUVGNK/OCAMA TIMKER AFB OKLA
RUWTBTA/DAD ATB EGLIN AFB FLA
INFO RUCVSK/SAC OTSL CARSWELL AFB TEXAS
RUFPEWL/USAFE CP
RUEPVZ/FS DASA SANDIA AFB NM
RUTHEN/CHIEF JUSMAG SPAIN

BT

~~SECRET~~ C-00351 FEB 66. SUBJECT:
SUPPLEMENTAL REPORT NO. 20 (ADVON) OF NUCLEAR ACCIDENT (BROKEN
ARROW). SEC DEF FOR ASTD (AE) CSAF AND AFIGO, AFFIS, AFSS-AE, AFINS;
68 & 97 BW (DCO, DCM, DS) SCIZ;; MCASS; SWVN; OOYS; JUSMAG FOR GEN
DONOVAN; FS DASA. THIS CONSITTUTES ADDITIONAL OR CORRECTED INFO TO
REPTS FROM 16AF ADVON SECRET/RD MESGS C 00010, 23 JAN 66; C 00028,
24 JAN 66; C 0034, 25 JAN 66; C 00041, 26 JAN 66; C 00054, 27 JAN 66;
C 00066, 28 JAN 66; C 00080, 29 JAN 66; C 00085, 30 JAN 66; C 00098,
31 JAN 66; C 00111, 1 FEB 66; C 00123, 2 FEB 66; C 00134, 3 FEB 66;
P2

1-6-5532
1-6-9029
1-6-9151
2-6-3089
2-6-3185
2-6-3308
1-6-5396
1-6-5843
1-6-9216
2-6-5710

J. N/A
I. N/A
H. N/A
G. N/A

AMOUNT OF EMERGENCY PAYMENTS: \$13,404.00

EMERGENCY PAYMENTS: 170

AMOUNT PAID: \$3,330

CLAIMS PAID: 16

CLAIMS THRU 1200 HOURS

IS EFFECTIVE. AIR SAMPLING CONTINUES TO BE NEGATIVE.

CONTAINERS ARE MONITORED PRIOR TO DISPATCH. WATERING FOR DUST CONTROL

VEHICLES AND EQUIPMENT BEING PERMANENTLY RELEASED FROM THE CAMP

PERSONNEL MONITORING AND DECONTAMINATION CONTINUES TO BE SATISFACTORY.

#3 DECONTAMINATION SHOWERS ARE OPERATING VERY EFFECTIVELY. OUTGOING

MISCELLANEOUS: CAMP MONITORING CONTINUES TO BE NEGATIVE. SITE

OWNERS.

FOR BY ALL AGENCIES CONCERNED AND TURNED OVER TO THE LAND

SITE #5 INFO TO FOLLOW: THIS SITE IS COMPLETED AND HAS BEEN SIGNED

COMPLETE.

FIELDS WHERE VEGETATION HAS BEEN REMOVED IS APPROXIMATELY 90 PER CENT

PAGE 3 RUIGBN 06A

2-6-5710

85

2-6-5719

BT

REPORT INITIATED FROM ACCIDENT SITE. G-1
O. COLONEL A E WHITE, 16AF (DE), EXT 3420. THIS

N. NO CHANGE

M. NO CHANGE

L. NO CHANGE

K. SEE "E" ABOVE

PAGE 4 RU10BN 06A

SECRET

PRIORITY

NNNEAPUA133W

TH 22 FEB 66 21 29

PP RUWPUJ

DE RUTQBN 6A BPTRQUTP

ZNY SSSSS

P 231649Z FEB

FM 16AF ADVON SPAIN

O RUEKDA /SEC DEF

RUEAHQ /CSAF

RUWMFNA /DIR NUG SFTY KIRTLAND AFB NMEX

RUWHNF /DEP INSP SFTY NORTON AFB CALIF

RUCSC /HQ SAC OFFUTT AFB NEB

RUCVAA /HQ 2AF BARKSDALE AFB LA

RUETHB /HQ 8AF WESTOVER AFB MASS

RUTQBNA /-6AF TORREJON AB SPAIN

RUCVHU /42ND AIRDIV BLYTHVILLE AFB ARK

RUETSR /822ND AIRDIV TURNER AFB GA

RUCVHU /97BW BLYTHVILLE AFB ARK

RUETFK /68TH BW SEYMOUR JOHNSON AFB NC

RUEBBAA /AFSC ANDREWS AFB MD

RUCDSQ /AFLC WPAFB

RUWGNH /SAAMA KELLY AFB TX

ACTION

INFO

OP-789

SE-10

TF-11, 12

DV-13, 14, 16

AM-16

*Called
Jag Swann
21 322*

2-6-5316

P-1

SECRET

[REDACTED]
JWMFNA/AFSWC KIRTLAND AFB NMEX

JWHHL/OAMA HILL AFB UTAH

JWGNK/OAMA INKER AFB OJUA

JWTBTA/DAD ATB EGLIN AFB FLA

JFO RUCVSK/SAC OTSL CARSWELL AFB TEXAS

JFPBWL/USAFE CP

JVPUJ/FC DASA SANDIA AFB NMEX

UHEH/CHIEF JUSMAG SPAIN

T

[REDACTED] C-00323. FEB 66.

UBJEC: SUPPLEMENTAL REPORT NO. 20 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASD (AE); CSAF AND AFIGO, AFHIS, AFSS-
3, AFINS; SAC FOR GEN RYAN AND DO, DM, DOSD; 2, 8, 16AF, 42, 822 AD
DO, DM, DS; 68 AND 97 BW (DCO, DCM, DS); SCIZ; MCASS; SWN; KOOS;
JUSMAG FOR GEN DONOVAN; FC DASA. THIS CONSTITUTES ADDITIONAL OR

CORRECTED INFO TO REPTS FROM 16AF ADVMT3: 435/RD MESGS C00010, 23

JAN 66; 1-6-5396 24 JAN 66; 1-6-5532 2 JAN 66; C-00041, 26 JAN 66;

1-6-5847 27 JAN 66; 1-6-9027 28 JAN 66; C-00080, 29 JAN 66; CBEEAP IN

1-6-9216 30 JAN 66; C-00098, 31 JAN 66; 2-6-3089 1 FEB 66; C-00123, 2 FEB 66; JYV

P-2

2-6-5316

PAGE 2 RUQBN 6

2-6-3308

C-00134, 3 FEB 66;

2-6-3458

C-00149, 4 FEB 66;

2-6-3570

C-00160, 5 FEB 66;

C-00174, 7

2-6-3646

FEB 66; C-00193, 9 FEB 66;

2-6-3475

C-00209, 12 FEB 66;

2-6-4170

C-00255, 16 FEB 66;

2-6-4679

2-6-5772

C-00294, 20 FEB 66;

23(13? 66.

THIS REPT COVERS REQUIREMENTS OF

ATCHM'T 4, AFR 127-4. GP-1.

A. NO CHANGE

B. NO CHANGE. WEAPON NO. 4, MK28Y1. MOD 2 SERIAL NUMBER 45345, HAS NOT BEEN FOUND.

C. NO CHANGE

D. NO CHANGE

E. NO CHANGE

THE SEARCH FOR WEAPON NO. 4 STILL CONTINUES.

THE FOLLOWING ACTIVITIES WERE CONDUCTED BETWEEN 1800 HOURS BWP FEB THRU 1800 HOURS 22 FEB:

SITE NO. 2 INFO TO FOLLOW: HAULING OF CANE AND VEGETATION (WITH 400 CPM READING OR OVER) OF THE TEMPORARY BURIAL PIT WILL CONTINUE.

THE MULCHING AND WATER OF THIS VEGETATION IS PROGRESSING WELL.

SITE NO. 3 INFO TO FOLLOW: HAULING OF CAN AND VEGETATION (WITH LESS THAN 400 CPM READINGS) TO THE BURNING AREA IN THE DRY RIVER BED IS PROGRESSING SATISFACTORILY. THE HAULING AND BURNING OPERATION SHOULD BE COMPLETED BY 26 FEB. THE PLOWING OF FIELDS WHERE VEGETATION WAS REMOVED IS APPROXIMATELY 75 PERCENT COMPLETED.

P-3

SECRET

2-6-5316

NNNN

PAGE 3 RUTQBN 6A [REDACTED]

SITE NO. INFO TO FOLLOW: DECONTAMINATION ACTIONS ARE COMPLETED IN THIS AREA. THE FINAL ACCEPTANCE FORMS ARE BEING PREPARED FOR JOIN USAF AND SPANISH SIGNATURES.

MISCELLANEOUS: CAMP MONITORING AND SAMPLING RESULTS CONTINUE TO BE NEGATIVE. THE OPERATION OF THE DECONTAMINATION SHOWER AT SITE NO. 3 CONTINUES TO BE SATISFACTORY. WATERING OPERATIONS AS A DUST PREVENTIVE CONTINUE TO BE EFFECTIVE. THE CONTROL CENTER FOR MONITORING OF DEPARTING PERSONNEL AND EQUIPMENT CONTINUES TO FUNCTION EFFECTIVELY.

AIR SAMPLING RESULTS ARE NEGATIVE.

CLAIMS: THRU 1200 HOURS 22 FEB

CLAIMS PAID: 14

AMOUNT PAID \$2,877.74

EMERGENCY PAYMENTS: 139

AMOUNT OF EMERGENCY PAYMENTS: \$8,964.83

G. NO CHANGE

H. NO CHANGE

I. NO CHANGE

J. NO CHANGE

J. NO CHANGE

K. SEE "F" ABOVE

L. NO CHANGE

2-6-5316

2-4

EC-100-1000

PAGE 4 RUQBN GA

M. NO CHANGE

N. NO CHANGE

O. A. B. BRUBAKER, CAPT, HQ 16AF, DMAE, EX 3003, TORREJON AB, SPAIN

THIS REPORT SUBMITTED FROM THE ACCIDENT SIE. GP-1.

B

P-5

~~SECRET~~

2-6-5316

ZNY SSSSS ZOV RUEF
EUL724VV EUG357 CEB250

FP RUEFWZ

DE RUIQBN 6A 0511630Z

ZNY SSSSS

P 201115Z FEB 66

FM 16AF ADVON

TO RUEKDA/SECRETARY OF DEFENSE

RUEAHQ/CSAF USAF

RUWMFNA/DIRNUG SFTY KIRTLAND AFB NM

RUWHNF/DEP INSPSFTY NORTON AFB CALIF

RUCSC/SAC OFFUTT AFB NEBR

RUCVAA/2AF BARKSDALE AFB LA

RUETHB/8AF WESTOVER AFB MASS

RUTQBN/16AF TORREJON AB SPAIN

RUCVHU/42ND AIR DIV BLYTHVILLE AFB ARK

RUETSR/822ND AIRDIV TURNER AFB GA

RUCVHU/97BW BLYTHEVILLE AFB ARK

RUETFKK/68TH BW SEYMOUR JOHNSON AFB NC

RUEBBAA/AFSC ANDREWS AFB MD

RUCDSQ/ AFLC WPAFB

RUWGNH/SAAMA KELLY AFB TEXAS

RUWMFNA/AFSWC KIRTLAND AFB NM

RUWHHL/OCAMA HILL AFB UTAH

RUWGNK/OCAMA TINKER AFB OKLA

RUWTBTA/DAD ATB EGLIN AFB FLA

INFO RUCVSK/SAC OTSL CARSWELL AFB TEX

RUFPEWL/USAFE CP

R

U

PRIORITY

ACTION

INFO

OP-7,8,9 SE-10
TG-11,12
DV-13,14,15
AM-16

RESTRICTED DATA

2-6-5112

UPN DISCRET

SECRET

00701660023

~~SECRET~~

AEPVZ/FC DASA SANDIA AFB NM

RUTHBH/CHIEF JUSMAG SPAIN

BT

~~SECRET~~ C00294 FEB 66.

SUBJECT: SUPPLEMENTAL REPORT NO19 (ADV ON) OF NUCLEAR ACCIDENT

(BROKEN ARROW), SEC DEF FOR ASD (AE); CSAF AND AFIGO, AFIIS, AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO, DM, DCS; 2, 8, 16AF, 42, 822 AD (DO, DM, DS); 68 AND 97 BW (DCO, DCM, DS); SCIZ; MCASS; SWVN; OOYS; JUSMAG FOR GEN DONOVAN; FC DASA. THIS CONSTITUTES ADDITIONAL OR

CORRECTED INFO TO REPTS FROM 16AF ADV ON SEC RET/RD MESGS C00041, 23

JAN 66; C 00028, 24 JAN 66; C0034, 25 JAN 66; C00041, 26 JAN 66;
C 00054, 27 JAN 66; C 00066, 28 JAN 66; C00080, 29 JAN 66; C 00085,
30 JAN 66; C 00098, 31 JAN 66; C 00111, 1 FEB 66; C00123, 2 FEB 66;

2-6-5112

PAGE 2 RUIQBN 6A

RESTRICTED

C 00134, 3 FEB 66; C 00149, 4 FEB 66; C 00160, 5 FEB 66. C 00174, 7
2-6-3308 2-6-3458 2-6-3570 2-6-3676
FEB 66; C 00193, 9 FEB 66; C 00209, 12 FEB 66; C 00225, 16 FEB 66;
1-6-3895 2-6-4170 2-6-4679
20 FEB 66. THIS REPT COVERS REQUIREMENTS OF ATCHM'T 4, AFR 127-4.

GP 1.

A. NO CHANGE.

B. NO CHANGE. WEAPON NBR 4, MK28Y1, MOD 2 SERIAL NUMBER 45345, HAS
NOT BEEN FOUND.

C. NO CHANGE

D. NO CHANGE.

E. NO CHANGE

F. THE SEARCH FOR WEAPON NBR 4 STILL CONTINUES.

SITE NBR 2 INFO TO FOLLOW: DAILY WATERING OF VEGETATION IN
TEMPORARY DISPOSAL PIT CONTINUES. WETTING DOWN OF CONTAMINATE
SOIL PILES ALSO CONTINUES. WATERING EFFORTS TO CONTROL AND PRE-
VENT DUST ARE EFFECTIVE. REFLAGGING THE ZERO CPM LINE WAS ACCOMP-
LISHED USING GREEN CLOTH, THE GREEN COLORED CLOTH IS A
MORE ACCETABLE CONFIDENCE FACTOR TO THE LOCAL SPANISH.

SITE NBR 3 INFO TO FOLLOW: THE BURNING OF CONTAMINATED (400 CPM
OR LESS) VEGETATION AND CANE IN THE DRY RIVE BED IS ACCOMPLISHED
EACH EVENING. DURING A NORMAL DAY'S OPERATION APPROXIMATELY 140
TRUCK LOADS ARE PROCESSED.

P3

2-6-5112

~~SECRET~~
PAGE 2 RUTQBN 01A 8-2-66

2-6-3185
1 FEB 66; C00123, 2 FEB 66; 3 FEB 66. THIS RPT COVERS REQUIRE-
MENTS OF ATCHM'T 4, AFR WQWUARM

A. NO CHANGE.

B. NO CHANGE. NUMBER 4 WEAPON, MK 28Y1, MOD 2, SERIAL NUMBER 245305
HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE

E. NO CHANGE.

F. INTENSIVE SEARCH STILL CONTINUES FOR WEAPON NUMBER 4.

MAJOR APOSTALON AND SMSGT FRIEND HAVE DEPARTED ACCIDENT SITE TO
TORREJON AIR BASE FOR SUBSEQUENT TRANSPORT TO CONUS.

DAILY MEETINGS WITH SPANISH NEC PERSONNEL: BASIC AGREEMENT ON
THE CONSTRUCTION OF THE BURIAL PIT HAS BEEN ACCOMPLISHED, IE 1 1/2 MM
LEAD LINED ON TOP AND BOTTOM AND 2 1/2 MM LEAD LINED ON SIDES. ROOF
WILL BE OF SELF SUPPORTING CONCRETE OF APPROXIMATELY 15
INCH THICKNESS.

THE SPANISH NEC PERSONNEL ARE CONDUCTING AN INVESTIGATION AND
TESTS ON THE CAUSE OF SEVERAL THOUSAND BEES, TEST SHALL
ALSO BE MADE ON THE BEE HIVES AND HONEY. FURTHER RESULTS WHEN

AVAILABLE.

~~SECRET~~ ATOMIC ENERGY ACT 1954

2-6-3308

P-4

~~SECRET~~ ~~RESTRICTED DATA~~
PAGE 3 ROT 63N 21A 000 R E T

TODAY USAF PERSONNEL ARE REMOVING THE WATER FROM THE SCHOOL'S DRINKING WATER CISTERN, THE CISTERN SHALL BE CLEANED AND THE WATER SHALL BE REPLACED WITH POTABLE WATER.

SITE 2 INFO FOLLOWS: ARMY MINE-SWEE TEAM CONTINUING WORK, RESULTS OF THEIR CLEAN-UP OF SMALL DEBRIS IS NOTEWORTHY. DURING GRADING AND BULLDOZING OPERATIONS, WATERING FOR DUST CONTROL AND AIR SAMPLING ARE PERFORMED. NINE SAMPLES TAKEN AND RESULTS ARE ALL NEGATIVE.

THE 7,000 CPM LINE HAS BEEN ESTABLISHED AND MAPPED. CROP REMOVAL HAS COMMENCED.

TRUCKS EQUIPPED WITH LARGE ENCLOSED PLYWOOD BOXES HAVE BEGUN MOVING VEGETATION FROM CLEARED FIELDS TO LIME PIT. (AFTER CONSTRUCTION OF BURIAL PIT IS COMPLETED THIS VEGETATION WILL BE REMOVED FROM THE LIME PIT AND PLACED IN THE BURIAL PIT).

SITE 3 INFO FOLLOWS: CROP CLEARING OPERATION IS CONTINUING. PLOTS ARE BEING SELECTED FOR WATERING, PLOWING AND RECONTORING OPERATIONS.

VILLAGE: THE VILLAGE OF PALOMARES HAS BEEN REDESIGNATED SITE 5.

ALL REFERENCE TO PALOMARES HERE AFTER WILL BE TERMED SITE 5. USAF

AND NEC MONITORING OF SITE 5 IS COMPLETED.

P-5
~~SECRET~~ 2-6-3308

PAGE 4 RUTQB

CAMP AREA: CAMP AREA AND EQUIPMENT MONITORING WAS ACCOMPLISHED WITH NEGATIVE RESULTS. SEA WATER SAMPLE RESULTS WERE NEGATIVE. CLAIMS: EMERGENCY CLAIMS PAID ON WW FEB 66, 2 CLAIMANTS WERE PAID \$466.67. TOTAL CLAIMANTS TO DATE 79, TOTAL AMOUNT CLAIMS PAID TO DATE \$311,841.84

G. NO CHANGE.

H. NO CHANGE

I. NO CHANGE.

J. NO CHANGE

K. SEE "F" ABOVE.

L. NO CHANGE.

M. NO CHANGE.

N. NO CHANGE.

A.B. BRUZAKER, CAPTAIN, HQ 16AF, DM4E, EXT 3003, TORREJON AB, PAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE. G-1

BT

2-6
SECRET

2-6-3308

NNNN

PRIORITY

NNNNPUA335VV TUA642PQA736

PP RUWPUJ

3 FEB 66 22

ACTION

INFO

DE RUWPQA 195C 0342030

ZNY SSSSS

P 032021Z

FM W F WHITE USAEC ALBUQUERQUE NMEX

TO RUTQW16AF TORREJON AB SPAIN ATTN ADVON PASS TO RC MAYDEW

/SERIES C/

INFO RUWVNA/DNS KIRTLAND AFB NMEX/SERIES D/

RUWPG/LCDR G HEDRICK DMA USAEC WASHDC/SERIES E/

RUWPUJ/LCOL CARL JOHNSON NACC FC/DASA SANDIAB/SERIES F/

RUWPL/FRANK DUNN LASI YCB ALAMOS NMEX/SERIES G/

RUWPRS/W BARTON S MOORE SANDIA CORP ALBUQ NMEX/SERIES H/

ADC

BT

THIS DOCUMENT CONSISTS OF 1 PAGE

RE: ANALYSIS OF ACFT COLLISION NEAR VERA, SPAIN BY SANDIA CORP TEAMS (MESSAGE 5). REF: SRD MSG, 1 FEB 0900

CITE C-08100, W R BARTON, SANDIA CORP, 9320.

TO: RC MAYDEW, SANDIA CORP, FROM W R BARTON AND W N. CAUDLE. THIS MESSAGE IN FIVE PARTS.

PART 1: OUR ASSUMPTIONS, BASED ON YOUR MSG OF 1 FEB. (1) SECONDARY REMAINED INTACT DURING IMPACT. (2) THERE WAS NO HE DETONATION WITH SECONDARY IMPACT. (3) SLAG PILES ARE MORE THAN 20 YEARS OLD.

(4) ANY SAND NOT ON THE BEACH IS DRY. (5) CALICHE IS LIGHTLY CEMENTED, LIKE MESA SOIL IN ALBUQUERQUE. (6) LOAM MEANS AN

2-6-3357
Discrep

PAGE TWO RUWPQA 195C [REDACTED]

IRRIGATED AND PLOWED FIELD. PART II: CRATER INFORMATION. IN SLAG AND TAILING PILES, NOSE-ON CRATER WILL BE LESS THAN 3 FEET ACROSS AND MAY BE INVISIBLE IF ON SLOPE OF PILE. LENGTHWISE CRATER WILL BE LESS THAN 8 FEET ACROSS.

CRATER ON SLAG OR TAILING PILE SHOULD BE DARKER THAN SURFACE OF PILE, AND YOU SHOULD SEE THROWOUT RAYS OF DARKER MATERIAL. THERE PROBABLY WILL BE NO READILY VISIBLE CRATER LIP. IN DRY SAND NOSE-ON CRATER SHOULD BE ABOUT 3 FEET ACROSS; LENGTHWISE CRATER ABOUT 8 FEET ACROSS. CRATER SLOPES WILL BE VERY FLAT, LESS THAN 20 DEGREES AND WILL PROBABLY HAVE NO READILY VISIBLE CRATER LIP OR THROWOUT RAYS. CRATER ON SANDY BEACH WILL SURELY BE DISTORTED AND LIKELY DESTROYED BY TIDES. CRATER IN CALICHE WILL BE LESS THAN 3 FEET ACROSS FOR NOSE-ON IMPACT AND LESS THAN 8 FEET ACROSS FOR LENGTHWISE IMPACT. CRATER SLOPES WILL PROBABLY BE 30 TO 40 DEGREES. FALLBACK AND THROWOUT IN AND AROUND CRATER SHOULD BE CHUNKY. YOU MAY BE ABLE TO SEE THROWOUT RAYS AND PERHAPS RADIATING CRACKS CLOSE TO CRATER. CRATER IN LOAM WILL BE LESS THAN 3 FEET ACROSS FOR NOSE-ON IMPACT AND LESS THAN 8 FEET ACROSS FOR LENGTHWISE IMPACT. CRATER SLOPES WILL BE ABOUT 20 TO 30 DEGREES.

IF LOAM IS MOIST, CRATER WILL BE SMALLER AND THE SLOPES STEEPER

P2 [REDACTED]

2-6-3357 [REDACTED]

~~SECRET~~

PRIORITY

~~SECRET~~

8 FEB 66 00 07

PUA978TUA373QTC523

ACTION INFO

OP-7,8

SE-9

16-10,11

OV-12,13,14

AM-15

PP RUWPUJ

DE RUTQCS 1134 0382135

ZNY SSSSS

IBT

SECRET RD SVC ZUI RUWPQS ;3S 0381840 X ALSO TO RUWPUJ X

AZDK RUTQBN 002A 0380931 P 070805Z

PP RUWPQS RUWPQJ

DE RUTQBN 002A 0380931

ZNY SSSSS

P 070805Z FEB 66

FM ISAF ADVON SPAIN

TO RUEPX0/AEC WASH DC

IRUWPGA/AEC ALB ALBUQ NMEX

RUWPQS/SANDIA CORP ALBUQ NMEX

RUWPQL/LOS ALAMOS SCIENTIFIC LABORATORY LOS ALAMOS NMEX

RUWMFNA/DIR OF NUCLEAR SAFETY KIRTLAND AFB NME

RUWPQS/FC DASA SANDIA BASE ALBUQ NMEX

BT P1

~~DECLASSIFIED DATA~~

~~ATOMIC ENERGY~~

~~THIS DOCUMENT CONTAINS UNCLASSIFIED INFORMATION~~

2-6-3670

WPN DISCREP

~~SECRET~~

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

DATE 2-6-86 BY 246/66 EDC/20

PAGE 04

~~SECRET~~
C-00171 FEB 66. FOR DIRECTOR OF MIL-
ITARY APPLICATION, AEC WASH DC. FOR W.R. HOAGLAND, AND ORG 9320 SANDIA
CORP, ALBUQ, NMEX. FROM AEC NUCLEAR WEAPON SAFETY TEAM. REFERENCE
STATUS OF SEARCH OPERATION AT PALOMARES, SPAIN, ACCIDENT. THE SYSTEMY
ANAYLISIS TEAM HAS COMPLETED THE IDENTIFICATION OF MOST PROBABLE
IMPACT AREAS FOR WEAPON NO. 4 OR PARTS THEREOF. GROUND SEARCH
OPERATIONS ARE TO BE INTENSIFIED BEGINNING MONDAY IN ANCURCULAR
AREA 5000 FT IN RADIUS WHOSE MID POINT IS 37 DSGREES 49.65 MINUTES
NORTH, 1 DEGREE 49.9 MINUTES WEST. SEA SEARCH OPERATIONS ARE TO
BE ALIGNED ALONG THE 300 DEGREE AVARAGE WIND CORRIDORS WITH EMPHAUS

PAGE 2 RUTQBN 002A ~~SECRET RESTRICTED DATA~~
AT A POINT DETERMINED BY THE SPANISH FISHERMAN'S TESTIMONY.
CONTINUING ASSISTANCE BY THE NUCLEAR WEAPON SAFETY TEAM WILL
CONSIST OF LIAISON, VERIFIVATION OF PROMISING IMPACT
CRATERS, AND IDENTIFICATION OF WEAPON PARTSNWHEN FOUND.

GP-1

BT

~~SECRET~~

RESTRICTED DATA

2-6-3670

~~SECRET~~

~~SECRET~~

NNNNPWA438ZB816

OO RUWPUJ

ZDY SSSSS ZOV RUEPWZ

EUL138 EUM838CEC228

OO RUEPWZ

DE RUTQBN 008A 0401500

ZNY SSSSS

O 091400Z FEB 66

FM 16AF ADVON

TO RUEKDA/SECRETARY OF DEFENSE

RUEAHQ/CSAF USAF

RUMFNA/DIR NUG SFTY KIRTLAND AFB NM

RUMHNF/DEP INSPSFTY NORTON AFB CALIF

RUCSC/HQ SAC OFFUTT AFB NEB

RUCMAA/HQ 2 AF BARKSDALE AFB LA

RUETBH/HQ 8 AF WESTOVER AFB MASS

RUTQBNA/HQ 16 AF TORREJON AB SPAIN

RUCWU/42ND AIR DIV BLYTHEVILLE AFB ARK

RUETSR/822ND AIR DIV TURNER AFB GA

RUCWU/97 BW BLYTHEVILLE AFB ARK

RUETFX/68 BW SEYMOUR JOHNSON AFB NC

RUEBBA/AFSC ANDREWS AFB MD

~~SECRET~~
~~SECRET~~
~~SECRET~~

9 FEB 66 18 36

ACTION

INFO

IMMEDIATE

OP-78,9

SE-10

TG-11,12

DL-13,14,15

AM-16

*Colld Sgt
Swann 1836*

IMMEDIATE

THIS DOCUMENT CONTAINS INFORMATION OF CONFIDENTIALITY (S)
NO 12 OF 11 COPIES REMAIN

2-6-3895

THIS DOCUMENT CONTAINS INFORMATION OF CONFIDENTIALITY (S)
NO 12 OF 11 COPIES REMAIN

DSQ/AFLC WF

~~SECRET~~

~~SECRET~~

RUWGNH/SAAMA KELLY AFB TEX

RUWMA/AFSWC KIRTLAND AFB NM

RUWHHL/OAMA HILL AFB UTAH

RUWGNK/OAMA TINKER AFB OKLA

RUWTBTA/DA ATB EGLIN AFB FLA

INFO RUFFBW/USAFE CP

RUCVSK/SAC OTSL CARSWELL AFB TEX

RUEPVZ/FC DASA SANDIA AFB NM

RUTHBH/CHIEF JUSMAG SPAIN

BT

~~SECRET~~ C-00193 FEB 66

SUBJ: SUPPLEMENTAL REPORT NO. 16 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASTD (AE); CSAF AND AFIGO, AFIIS,
AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO, DM, DQSD; 2, 8, 16AF,
42, 822 AD (DO, DM, DS); 68 & OU BW (DCO, DCM, DS); SCIZ; MCASS;
SWVN; OOYS; JUSMAG FOR GEN DONOVAN; FC DASA. THIS CONSTITUTES
ADDITIONAL OR CORRECTED INFO TO REPTS FROM 16AF ADVON SECRET/RD
MSGs C0010, 23 JAN 66; C0028, 24 JAN 66; C 0034, 25 JAN 66;
C 0041, 26 JAN 66; C 0054, 27 JAN 66; C 0066, 28 JAN 66;
C 0080, 29 JAN 66; C 0085, 30 JAN 66; C 00098, 31 JAN 66;

~~SECRET~~

2-6-3895

PAGE 2 RUTQBN 008

SECRET
2-6-3089
C 00111, 1 FEB 66; C 00123, 2 FEB WYV C 00134, 3 FEB 66;
2-6-3458
C 00145, 4 FEB 66; C 00160, 5 FEB 66; C 00174, 7 FEB 66; 9 FEB
66. THIS REPT COVERS REQUIREMENTS OF ATCHM'T 4, AFR 127-4. GP-1

A. NO CHANGE

B. NO CHANGE. WEAPON NR. 4, MK28Y1, MOD 2, SERIAL NUMBER 45345, HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE.

E. NO CHANGE.

F. THE SEARCH FOR WEAPON NR. 4 STILL CONTINUES.

MEETING WITH SPANISH NEC PERSONNEL. TWO FIELDS IN SITE NR. (PLOT NR 12 AND PLOT NR. 16) HAVE BEEN PLOWED AND MONITORED. MONITORING RESULTS WERE ZERO CPM, THE SPANISH NEC HAVE ACCEPTED THESE RESULTS, AND THE LAND WILL BE RETURNED TO THE SPANISH FARMERS FOR USE.

A VERBAL AGREEMENT HAS BEEN MADE WITH SPANISH NEC PERSONNEL ON THE DISPOSITION OF CONTAMINATED VEGETATION IE VEGETATION WITH READINGS OF LESS THAN 400 CPM WILL BE MULCHED AND DEPOSITED IN THE DRY RIVER BED. VEGETATION WITH READINGS IN EXCESS OF 400 CPM WILL BE MULCHED AND DEPOSITED IN THE TEMPORARY BURIAL PIT AT SITE NR. 2.

SITE NR. 2 INFO TO FOLLOW: SOIL SCRAPING OPERATIONS ARE CONTINUING

R3

SECRET

2-6-3089

PAGE 3 RUTQBN 008A

~~SECRET~~

IN THE 7000 CPM AND OVER AREA OF SITE NR. 2. CONTINUAL WATERING OF THE AREA BEING SCRAPED IS PERFORMED AS A DUST CONTROL. DETAILED MONITORING IS PERFORMED DAILY TO ASSURE THE SPECIFIC LOCATION OF THE 7000 CPM AND ZERO CPM LINES.

SITE NR. 3 INFO TO FOLLOW: REMONITORING TO RECONFIRM THE PREVIOUSLY ESTABLISHED 7000 CPM LINE WAS PERFORMED ON 7 FEB. ADDITIONAL 7000 CPM AREA WAS IDENTIFIED DURING THIS OPERATION, THIS AREA IS FARM LAND LOCATED TOWARD THE RIVER BED FROM SITE NR. 3. THE ADDITIONAL AREA IS A STRIP OF LAND 3600 FEET LONG AND 100 FEET WIDE (APPROX 9 1/2 ACRES) THIS IS IN ADDITION TO THE PREVIOUS ESTIMATE OF 1 1/2 ACRES. VEGETATION MULCHING OF CLEARED CROPS HAS BEGUN.

ALL CONTAMINATED SOIL HAS BEEN REMOVED FROM PLOT NR. 1 (GROUND ZERO) OF SITE NR. 3. DURING 7 & 8 FEB 42 TRUCK LOADS (APPROX 126 CUBIC YARDS) WERE REMOVED TO THE TEMPORARY DISPOSAL PIT AT SITE NR. 2. THE GRAND TOTAL OF SOIL REMOVAL IS 76 TRUCK LOADS (APPROX 228 CUBIC YARDS) SITE NR. 5 INFO TO FOLLOW: DECONTAMINATION OF THE SCHOOL CISTERN IS COMPLETE, THE CISTERN HAS BEEN REFILLED WITH POTABLE WATER.

THE CRITERIA FOR THE DECONTAMINATION OF HOUSES WITHIN SITE C. 5 WAS PREVIOUSLY REPORTED AS THOSE WHICH HAVE READINGS OF 7000 CPM OR GREATER. THIS IS AN ERROR. HOUSE WASHING (DECONTAMINATION) IS PERFORM-

24

~~SECRET~~

2-6-3895

FC/01660923

RECEIVED
1 JAN 1964
ACT 1054

SECRET

INFO RUFFBWL/USAF CP LINDSEY AS GER

RUCVSK/SAC OTSL CARSWELL AFB TEX

RUEPWZ//FC DASA SANDIA BASE NMEX

RUTHBH/CHIEF JUSMAG SPAIN

BT

~~SECRET~~ DATA/C-00209 FEB 66.

SUBJ : SUPPLEMENTAL REPORT NO; 17 AKADVON) OF NUCLEAR ACCIDENT (BROKEN
ARROW). SEC DEF FOR ASTD (AE); CSAF AND AFI40, AFI15, AFSS-AE, AFINS;
SAC FOR GEN RYAN AND DO, DM, DOSD; 2, 8, 16AF, 42, 822AD DO, DM, DS);
68 & 97 BW (DC D, DCM, DS); SCIZ; MCASS; SWVN; 100YS; JUSMAG FOR GEN
DONOVAN; FC DASA. THIS CONSTITUTES ADDITIONAL OR CORRECTED INFO
TO REPTS FROM 16AF ADVON SEC RETRD MSGS C0010, 23 JAN 66; IC0028,
24 JAN 66; C0034, 25 JAN 66; C00041, 26 JAN 66; C00054, 27 JAN 66;
C00066, 28 JAN 66; C00080, 129 JAN 66; C00085, 30 JAN 66; C00098, R
31 JAN 66; C00111, 11 FEB 66; C00123, 2 FEB 66; C00134, BJ FEB 66; R

P-2

SECRET

2-6-4170

PAGE 2 RUTQBN 8 ~~SECRET~~ ~~CONFIDENTIAL~~
C00149, 4 FEB 66; C00160, 5 FEB 66; C00174, 7 FEB 66, C00193,
9 FEB 66; 12 FEB 66. THIS REPT COVERS REQUIREMENTS OF ATCHM'T 4,
AFR 127-4. GP-1

- A. NO CHANGE.
- B. NO CHANGE. WEAPON NO 4, IMK2861, MOD 2, SERIAL NUMBER 45345, HAS
NOT BEEN FOUND.
- C. NO CHANGE.
- D. NO CHANGE.
- E. NO CHANGE.
- F. THE SEARCH FOR WEAPON NO4 STILL CONTINUES.

MEETING WITH SPANISH NEC PERSONNEL: THE WEDNESDAY AND THURSDAY
(9 AND 10 FEB) MEETINGS WITH THE SPANISH NEC PERSONNEL PRODUCED NO
SIGNIFICANT ACCOMPLISHMENTS. THE RELATIONSHIP BETWEEN USAF AND
SPANISH PERSONNEL ATTENDING THESE MEETINGS CONTINUES TO BE ONE OF
AMICABLE COOPERATION.

SITE 2 AND 3 INFORMATION TO FOLLOW: MONITORING IN SITES
2 AND 3 CONTINUED THROUGH 9 AND 10 FEB, THE ZERO AND 7000 CPMR
LINES HAVE BEEN ESTABLISHED AND ARE BEING PLOTTED ON PHOTOGRAPHIC
MAPS. WATERING OPERATIONS ARE CONTINUING FOR DUST CONTROL AND PREVENTION
SITE 5 INFO TO FOLLOW: JOINT USAF AND NEC MONITORING IN VILLAGE

P-3

~~SECRET~~ ~~CONFIDENTIAL~~

2-6-4171

723

OF PLAMARES CONTINUES. FOUR HOUSES WERE DECONTAMINATED. PLOWING HAS BEGUN IN FIELDS WHERE VEGETATION HAS BEEN REMOVED.

MISCELLANEOUS: HIGH WINDS COMMENCED DURING THE AFTERNOON OF 10 FEB. DECONTAMINATION EFFORTS, PLOWING AND HAULING ACTIVITIES WERE HALTED. WATERING OPERATION CONTINUED THROUGH OUT THE AFTERNOON AND NIGHT. WIND VELOCITY WAS NORMALLY 30-40 KNOTS WITH GUSTS OF 62 KNOTS. IAS OF 0800 HOURS, 11 FEB WINDS ARE STILL IN THE 25-35 KNOTS VELOCITY, PREDICTED DURATION OF ANOTHER 18 HOURS; WITH EXCEPTION OF WATERING AND SPRAYING OPERATION ALL DECONTAMINATION EFFORTS HAVE HALTED. PRESENTLY WE DO NOT KNOW IF HIGH WINDS HAVE SIGNIFICANTLY CHANGED THE ZERO OR 7000 CPM LINE.

CLAIMS: EMERGENCY PAYMENTS TO DATE HAVE BEEN MADE TO A TOTAL OF 120 CLAIMANTS FOR AN AMOUNT OF \$4900.00.

G. NO CHANGE.

H. NO CHANGE.

I. NO CHANGE.

J. NO CHANGE.

K. SEE "F" ABOVE.

L. NO CHANGE.

M. NO CHANGE.

N. NO CHANGE;

O. A.B. BRUBAKER, CAPTAIN, HQ 16AF, DM4E, EXT 3003, TORREJON AB, SPAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE. GP-1

BT

p. 4

[REDACTED]

2-6-4170

~~SECRET~~

11 FEBRU 22 32

PRIORITY

NNNNPUA 994V TUA482P QAS68

PP RUWPUJ

DE RUWPQA 240C 0422124

Z NY SSSSS

P 112110Z

~~SECRET~~

~~EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION~~

FM USAEC ALBUQUERQUE NMEX

TO RUTQBN/16AF TORREJON AB SPAIN SERIES C

INFO RUEPXG/USAEC DMA WASHDC SERIES D

RUWMFNA/DNS KIRTLAND AFB ALBUQ. NMEX SERIES E

RUWPUJ/EC/DASA SANDIA BASE NMEX SERIES F

RUWPQL/LASL LOS ALAMOS NMEX SERIES G

RUWPGS/SANDIA CORPORATION ALBUQ. NMEX SERIES H

AEC

BT

~~SECRET~~
S. R. O. P. RESTRICTED DATA (P-1).

FM W F WHITE FOR ADVON /ADVON PLS PASS TO R E REED SANDIA CORP.,
INFO DMA FOR LCDR G HEDRICK, DASA ATTN JNACC ATTN LC OL CARL
JOHNSON, LASL ATTN FRANK DUNN, SANDIA CORP ATTN W BARTON ORG
9334. PLEASE CHECK WITH CAPT. BRUBAKER ON THE EXACT ORIENTATION
OF UNIT ONE BEFORE IT WAS DISTURBED. THIS SHOULD INCLUDE THE
POSITION OF THE 16 FOOT CHUTE. PAR ALSO CHECK TO SEE IF THERE
WERE ANY PIECES OF FINS AT THE IMPACT POINT OF UNITS TWO AND
THREE. END REF WDS:FW (S-181)

BT

ACTION

INFO

OP-7,8

SE-9

TG-10,11

DV-12,13,14

AM-15

~~RESTRICTED DATA~~
~~EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION~~

THIS DOCUMENT CONTAINS RESTRICTED DATA
EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

2-6-4190

~~SECRET~~

ATOMIC ENERGY ACT 1954

UNPNS DISCLOSURE

THIS DOCUMENT CONTAINS RESTRICTED DATA
EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

~~SECRET~~

PRIORITY

ACTION | **INFO**

SE-9
TG-10, 11
DV-12, 13, 14
AM-15

DP-7.8

~~REGRADING, DOD DIR BEGINS
DOORAGE ARMY~~

ZNY SSSSS

FM 16.TH AF ADVON SPAIN

~~RESTRICTED DATA~~

~~SENSITIVE INFORMATION~~ 5A

RUWPQS/SAND IA CORP ALBUQUERQUE NMEX

RUWPL/DIR LOS ALAMOS SCIENTIFIC LUN LOS ALAMOS NMEX

RUWFNA/DIRECTORATE OF NECLAR SAFETY KIRTLAND AFB NMEX

RUEPWZ/FC DASA SANDIA AFB NMEX

BT

THIS DOCUMENT CONTAINS NEITHER RECOMMENDATIONS NOR
 CONCLUSIONS OF THE NATIONAL BUREAU OF STANDARDS
 AND IS NOT INTENDED TO BE USED IN LEGAL PROCEEDINGS

~~SECRET~~ C-00217. FEB 66. FOR: W. F. WHITE USAEC

ALBUQUERQUE; LCDR HEDRICK USAEC WASHINGTON ; W. R. HOAAIVND 1544 AND

R. C. MAYDEW 9320 SANDIA CORP; FC/DSA SANDIA. REFUR

2-6-4140
TWX DTG 112110Z. PHOTOS AND TESTIMONY REWATING TO UNIT ONE INDICATE

INTACT UNIT STRUCK THE SIDE OF SANDY CLAY BANK IN NEAR VERTICAL

POSITION. IT IS THEORIZED ZYAT UNIT SLAPPED THE BANK AND THEN

FELL BACK AWAY FROM THE BANK, EXPOSING DAMAGED SIDE OF NOS. THREE

WAS A LONGITUDINAL RIP IN THE SHAPE COMPONENT OF THE SAME SIDE

AS THE NOSE DAMAGE. THREE OF THE FOUR FINS WERE MISSING AND

HAVYRNOT BEEN FOUND. THE REMAINING FILM IS ORIENTED TOP LEFT OF A LINE

AVYRNOT BEEN FOUND. THE REMAINING FBI IS ORIENTED FOR LET. **2-6-4286**
PLEASE **2-6-4286**
 THIS DOCUMENT CONTAINS INFORMATION CE(4)

PAGE 2 RUTGBN 4A ~~SECRET~~

THRU THE LUGS AND HAD CRACKS AT EACH FOOT. THE BANK AT THE IMPACT LOCATION IS ORIENTED ALONG A 300 DEGREE MAGNETIC LINE AND IS ABOUT 10 FEET HIGH. THE FINAL POSIOMON OF THE UNIT WAS WITH NOSE POINTING IN A 280 DEGREE MAGNETIC DIRECTION. THE MAGNETIC VARIATION IN THIS AREA VARIES BETWEEN 7 AND 8 DEGREES WEST. THE RSP BEGAN ABOUT 1815 HOURS ON 17 JANUARY AND CAPT BRUBAKER REMEMBERS ONLY LIGHT SURFACE WINDS. THE CHUTE WAS DRAPED OVER THE WEAPON AS IF PROTECTED FROM WIND BY THE BANK. CANNOT DETERMINE IF PIECES OF FINS WERE FOUND AT IMPACT POINT OF UNITS TWO AND THREE. IF TEY WERE FOUND THEY WOULD BE INCLUDED IN MATERIAL RETURNED TO PANTEX. EXAMINATION OF PHOTOS REVEALS BOTH UNITS TWO AND THREE WERE RECOVERED WITH TWO COMPLETE FINS ON EACH UNIT. GP-1

BT

~~SECRET~~

P2

2-6-4286

PP RUMPUJ

RE TRUQBUN 227A 0451225

ZNY 3355

P 141040L

FM USAF ADVON SPAIN

RO RUMPGA/USAF ALBUERQUE NM

RUEPXS/USAF WASHINGTON DC

RUMPGS/SANDIA CORP ALBUQUERQUE NM

RUMPL/LASL LOS ALAMOS NM

RUMFNA/DIRECTORATE OF NUCLEAR SAFETY KIRTLAND AFB NM

RUMPUJ/FC DASA ALBUQUERQUE NM

BT

~~SECRET~~
02234. FOR W.F. WHITE USAEC ALBUQUERQUE; LOON
HEDRICK USAEC WASHINGTON DC; W.R. HOWLAND 1544 SANDIA CORP;
R.C. MAYDEW 9320 SANDIA VRP; DIRECTOR LASL LOS ALAMOS NM; LT COL
CARL JOHNSON FC/DASA. STATUS REPORT FROM AEC NUCLEAR SAFETY TEAM.
SEARCH EFFORTS HAVE BEEN CONCENTRATED IN PROBABLE LAND IMPACT AREA.
TWENTY-THREE CRATERS, WELLS AND MINE SHAFTS HAVE BEEN CULLED TO
FOUR CRATERS, THREE MINE SHAFTS AND SIX WELLS WHICH REQUIRE FURTHER
DETAILED INVESTIGATION. HIGH WINDS AND CHOPPY WATERS HAVE CURTAILED
NAVY OPERATIONS AND RESTRICTED HELICOPTER FLIGHTS. ONE AREA OF
REPORTED CONTAMINATION WITHIN THE IMPACT AREA WAS RECHECKED AND

~~RESTRICTED DATA~~

~~ATOMIC ENERGY ACT 1954~~

PRE

ELIMINATED. IT WAS LEARNED THAT FAILURE OF TWO PAC-15 INSTANTS
LED TO THE ERRONEOUS REPORT. DEBRIS RECOVERED IN SHALLOW WATER BY
NAVY HAS BEEN INSPECTED FOR WEAPON PARTS AND PIECES WITH NEGATIVE

2-6-4344
WPN dep

~~SECRET~~

RUWGNK/OCAMA TINKER AFB OKLA

RUWTBIA/DAD (ATB) EGLIN AFB FLA

INFO RUFPKS/USAFE CP

RUCVSK/SAC OTSL CARSWELL AFB TEXAS

RUEPWZ/FM DASA SANDIA BASE NM

RUTHBK/CHIEF JUS MAG SPAIN

BT

~~SECRET~~ RESTRICTED DATA C-00123 FEB 66.

SUBJ: SUPPLEMENTAL REPORT NO. 11(ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASTD (AE); CSAF AND AFIGO, AFIIS,
AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO,DM, DOSD; 2, 8, 16AF,
42, 822AD (DO,DM,DS); 68 & 97BW (DCO,DCM,DS); SCIZ; MCASS;

SWVN: OOYS; JUSMAG FOR GEN DONOVAN. THIS CONSTITUTES ADDITIONAL

OR-CORRECTED INFO TO RPTS FROM 16 AF ADVON SECRET/ED MSGS C0010,

23 JAN 66; C0028, 24 JAN 66; C00034, 25 JAN 66; C00041, 26 JAN 66;

C00054, 27 JAN ; C00066, 28 --, 66; C00030, 29 JAN 66; C00085, 30 JAN

66; C0098, 31 JAN 66; C00111, 1 FEB 66. THIS REPT COVERS

P-2

~~SECRET~~

2-6-3185

PAGE 2 RUT GBN 01A ~~SECRET~~
REQUIREMENTS OF ATCHM'T 4, AFR 127-4.

- A. NO CHANGE.
- B. NO CHANGE. NUMBER 4 WEAPON, MK28Y1, MOD 2, SERIAL NUMBER HAS NOT BEEN FOUND.
- C. NO CHANGE.
- D. NO CHANGE.
- E. NO CHANGE.
- F. THE INTENSIVE SEARCH FOR WEAPON NUMBER 4 STILL CONTINUES.

COLONEL RHODES, COLONEL NORCROSS AND CAPT MCKINNY HAVE DEPARTED THE ACCIDENT SITE FOR TORREJON AIR BASE, AND SUBSEQUENTLY TO CONUS. DAILY MEETINGS WITH THE SPANISH NEC PERSONNEL ARE STILL CONTINUING. THE TECHNICAL SPECIFICATIONS AND CONSTRUCTION OF THE BURIAL PIT WERE THE PRIME SUBJECT OF THE MEETING. THE MULCHING (GRINDING) OF CROPS AND VEGETABLE MATTER PRIOR TO PUTTING IT INTO THE PIT WAS ALSO DISCUSSED. MEETINGS ARE PROGRESSING WELL, ACCOMPLISHMENTS ARE SLOW BUT STEAD.

WEAPON 2 INFO TO FOLLOW: THE ZERO CONTAMINATION LINE HAS BEEN FLAGGED. SCRAING OPERATIONS ARE CONTINUING, MONITORING OF SCRAPED AREAS GAVE ZERO READINGS. WATERING OF AREA CONTINUES. ARMY MIANE-SWEEP TEAM AND GRADER OPERATOR ARE MONITORED DAILY AND

~~SECRET~~
2-6-3185

PAGE 3 RUIQBA ~~SECRET~~ [REDACTED]

DECONTAMINATED AS NECESSARY.

WEAPON 3 INFO TO FOLLOW: TWENTY-THREE ADDITIONAL FIELDS WERE MONITORED, CLEARED AND REMONITORED. AIR SAMPLES WERE TAKEN SIMULTANEOUSLY WITH THE CORP CLEARING OPERATION. AIR SAMPLES WERE ESSENTIALLY NEGATIVE. ALL PERSONNEL (CORP CLEARERS AND MONITORS) WERE PROCESSED THROUGH THE DECONTAMINATION CENTER AT THE SITE.

MONITORING OF THE CAMP SITE PROVED NEGATIVE. TWENTY-THREE (23) PERSONNEL AND THE HEAVILY TRAFFICED AREAS OF THE CAMPSITE WERE MONITORED (MESS HALL, SUPPLY TENT, SHOWER AREA) WITH NEGATIVE RESULTS. SEA WATER SAMPLE TAKEN GAVE NEGATIVE RESULTS.

VILLAGE: USAF PERSONNEL CONTINUED ASSISTING THE SPANISH NEC IN MONITORING OF THE VILLAGE OF PALOMARES. REMONITORING OF PREVIOUSLY WASHED BUILDING SHOW SUBSTANTIAL DROPS IN CONTAMINATION. MONITORING OF SOME BUILDINGS IN THE PUEBLO OF VILLARICOS WAS COMENCED.

CLAIMS: EMERGENCY CLAIMS PAID ON 1 FEB #6, 5 CLAIMANTS FOR A TOTAL OF \$138.67. THE TOTAL OF EMERGENCY CLAIMANTS HANDLED TO DATE IS 77. THE TOTAL AMOUNT PAID IS \$3222.17 (YESTERDAY'S REPORT STATED \$4022. THIS IS AN ARITHMETICAL ERROR.) THE ABOVE MENTIONED EMERGENCY CLAIMS ARE MADE ON THE FOLLOWING: 1. BASIC NECESSITIES

2-6-3185

~~SECRET~~

PAGE 4 RUTQBN DIA-6-1-68

OF LIFE AND 2. FEED FOR LIVESTOCK. ESTIMATE OF POTENTIAL CLAIMANTS

REMAIN AT 600, WITH THE POSSIBLE PAYMENT OF \$100,000

G. NO CHANGE.

H. NO CHANGE.

I. NO CHANGE.

J. NO CHANG.

K. SEE "F" ABOVE.

L. NO CHANGE

M. NO CHANGE.

,. NO CHANGE.

O. A.3. BRUBAKER, CAPTAIN, HQ 16AF, DM4E, EXT 3003, TORREJON AB,

SPAIN. THIS REPORT SUBMITTED FROM THE ACCIDENT SITE. GP-1

~~SECRET~~

2-6-3185

P 022350Z

FM USAEC VALTER F WHITE ALBUQUERQUE NMEX

TO RUTQBN/16AF ATTN ADVON PLS PASS TO R C MAYDEW & DAVID J.

TORREJON AB SPAIN SERIES C

INFO RUWMFNA/DNS KIRTLAND AFB ALBUQUERQUE NMEX SERIES D

RUZPXG/USAEC ATTN LCDR G. HEDRICK DMA WASHDC SERIES E

RUWPUJ/FC/DASA ATTN: JNACC, LCCL CARL JOHNSON SANDIAB ALBUQ NMEX SERIES F

RUWPQL/LASL ATTN FRANK DUNN LOS ALAMOS NMEX SERIES G

RUWPQS/SANDIA CORP ATTN W. BARTON ORG. 9334 SANDIAB ALBUQ NMEX SERIES H

RUWPQS/SANDIA CORP ATTN S. MOORE ORG. 1540 SANDIAB ALBUQ NMEX SERIES I

AEC

BT

PRIORITY

RECEIVED DIRECTED DATA GP-1//. PART I FOR MR. MAYDEW. RE
ANALYSIS OF AIRPLANE COLLISION NEAR VERA, SPAIN BY SANDIA CORPORATION
TEAM (MESSAGE 1). REF: (1) SRD MSG, 30 JANUARY 1515 ZEBRA TO RUWPQS/W. R.

BARTON, 9320, SANDIA CORP., ALB., NM, FM R. C. MAYDEW, S. V. ASSELIN
16AF ADVON, SPAIN; (2) SRD MSG, 31 JANUARY 0825 ZEBRA TO ARWVQS, SANDIA
CORP. ALB., NM, ATTN: W. R. BARTON, SA. MOORE FM 16AF ADVON SPAIN R.C.
MAYDEW, S. V. ASSELIN; (3) SRD MSG, 31 JANUARY 1030 ZEBRA TO RUWPQS/W.
R. BARTON, 9320, SANDIA CORP, ALB., NM, FM 16AF ADVON SPAIN, R. C. MAYDEW

S. V. ASSELIN; (4) SRD MSG, 1 FEBRUARY 0900 ZEBRA TO RUWPGA/USAEC, ALB.,
N.M., FOR W. R. BARTON, SANDIA CORP., 9320, FM 16AF ADVON SPAIN. FREE

2-6-3268

PAGE TWO RUWPQA 189C

FALL TRAJECTORIES FOR UNIT NO. 2 ASSUMING 256 DEG. GROUND TRACK AND RELEASE GROUND SPEED OF 615 FPS INDICATE THAT THE RELEASE POINT WAS ON AN AZIMUTH OF 74 DEGREE 45 FT. AT A RANGE OF 22,710 FT. UNIT 2 LOCATION TRAJECTORY FOR UNIT 3 ASSUMING A STREAMING 16-FT. PARACHUTE, 256 DEG. GROUND TRACK AND A RELEASE SPEED OF 615 FPS INDICATES RELEASE POINT TO BE ON AN AZIMUTH OF 72 DEGREE 0 FT. AND A RANGE OF 21,420 FT. FROM UNIT 2 LOCATION. DUE TO THE DISTANCE BETWEEN THE TWO INDICATED RELEASE POINTS, TRAJECTORIES WERE RUN FOR UNITS 2 AND 3 ASSUMING 515 FPS RELEASE VELOCITIES. IN MAPPING THE INDICATED RELEASE POINTS FROM ALL OF THE TRAJECTORIES, A CONVERGENCE TOWARD THE 515 FPS RELEASE SPEED WAS INDICATED. USING THIS INFORMATION, A NEW RELEASE POINT FOR ALL UNITS WAS DETERMINED TO BE ON AN AZIMUTH OF 73 DEGREE 15 FT. AT A RANGE OF 18,950 FROM UNIT 2 LOCATION. THIS POINT WAS USED AS THE REFERENCE POINT FOR ALL SUBSEQUENT TRAJECTORIES. THIS POINT IS APPROXIMATELY 37 DEGREES 15.55 MINUTES NORTH LATITUDE AND 1 DEGREE 45.0 MINUTES WEST LONGITUDE. ASSUMING UNIT 1 FREE FELL TO 18,000 FEET THEN DEPLOYED THE 16-FT. CHUTE, THE IMPACT POINT AGREES TO WITHIN 1700 FEET. ASSUMING THE TAIL COVER OF UNIT 4 CAME OFF AT RELEASE POINT, IT IS CARRIED BY THE WIND TO AN IMPACT POINT AT LEAST 2 MILES FROM SHORE IN THE WATER. IS IT POSSIBLE THAT THIS TAIL COVER MAY HAVE BEEN CARRIED IN TO SHORE AS PART OF THE 52 WRECKAGE?

P2

2-6-3268

PAGE THREE RUWPGA 1890

ALLOWING UNIT 4 TO FREE FALL FOR 5, 10, AND 15 SECONDS AND ASSUMING SOME FORM OF DETONATION AT THOSE POINTS, THE 16-FT. PARACHUTE WITH 500 POUNDS ATTACHED IMPACT ON AZIMUTHS OF 97 DEGREE 15 FT., 97 DEGREE 45 FT. AND RANGES OF 39,300, 35,900, AND 31,900 FEET, RESPECTIVELY FROM UNIT 2. THE TRAJECTORIES OF THE SECONDARY FROM THE ASSUMED DETONATION POINTS GIVES APPROXIMATE IMPACT LOCATIONS ON AZIMUTHS OF 355, 325, AND 308 DEGREES AND RANGES OF 350, 400, AND 500 FEET, RESPECTIVELY FROM UNIT 2. ASSUMING THE 16-FT. CHUTE CAME OUT ON UNIT 4 AT RELEASE POINT, THE IMPACT LOCATION WOULD BE ON AN AZIMUTH OF 89 DEGREE 45 FT. AND A RANGE OF 27,400 FEET FROM UNIT 2. ALL AZIMUTH FIGURES ARE GIVEN AS TRUE HEADINGS. IT WAS ASSUMED IN ALL TRAJECTORIES THAT THE ALTITUDE CHANGE FROM COLLISION POINT TO RELEASE POINT WOULD BE SMALL; THEREFORE, THE ALTITUDE AT RELEASE WAS ASSUMED TO BE 30,500 FEET. A NEW MAPPING OF THE MORE RECENT INFORMATION WILL FOLLOW. CAUDLE AND MC NEILL HAVE STARTED TO WORK ON THE DEPTH OF PENETRATION AND ENTRY HOLE CONDITIONS. WE PLAN TO REVIEW COL. GERNERT'S SL

DES TO DETERMINE MORE ABOUT THE TERRAIN. JUST RECEIVED TWO NEW MESSAGES WITH NEW INLAND COLLISION POINT AND ADDITIONAL TRAJECTORY REQUESTS. I AM STARTING IMMEDIATELY ON NEW CALCULATIONS. WE HOPE TO HAVE THESE COMPLETED IN 24 HOURS. CAN YOU SEND A DESCRIPTION OF THE DAMAGE TO THE 16-FOOT CHUTE OF UNIT 2, ESPECIALLY WITH REGARD TO VENT AND/OR

P3

2-6-326

PICTURES WOULD AID IF THIS IS POSSIBLE

64-FOOT PARACHUTE IS 2400 SQ. FT. H
IF THE 64-FOOT PARACHUTE COMES OUT UN

ED, IT WOULD EXPERIENCE EXTENSIVE DAMAGE.

P4.

~~SECRET~~
~~SECRET~~

3 FEB 66 16 08
called 1645Z
Gwon

P UA248VV WZB616

VV WZB616

~~SECRET~~

00 RUWPUJ

ZNY SSSSS ZOV RUEPWZ

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00 RUEPWZ RUWGNH RUWGNK RUWHHL RUWHNF RUWMFNA

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00 RUEPWZ RUWGNH RUWGNK RUWHHL RUWHNF RUWMFNA

DE RUTQBN 01 0341220

ZNY SSSSS

O 031045Z FEB 66

FM 16TH AF ADVON

TO RUEKDA/SECRETARY OF DEFENSE

RUEAVQ/C SAF USAF

RUWMFMA/DIR NUC SFTY KIRTLAND AFB NM

RUWHNF/DEP INSP SFTY NORTON AFB CALIF

RUCSC/HQ SAC OFFUTT AFB NEB

IMMEDIATE

ACTION

INFO

OP-78 SE-9
TG-10, 11
DV-12, 13, 14
AM-15

P-1

~~SECRET~~
~~SECRET~~

2-6-3308

~~SECRET~~

RUCVAA/HQ 2 AF BARKSDALE AFB LA
RUETBH/HQ 8 AF WESTOVER AFB MASS
RUTQBN/HQ 216 AF TORREJON AB SPAIN
RUCVHU/42ND AIR DIV BLYTHEVILL AFB ARK
RUETSR/82ND AIR DIV TURNER AFB GA
RUCVHU/97BW BLYTHEVILLE AFB ARK
RUETFK/68 BW SEYMOUR JOHNSON AFB N C
RUEBAA/AFCS ANDREWS AFB MD
RUCDSQ/AFLC WPAFB
RUWGNH/SAAMA KELLY AFB TEAS
RUWMFMA/AFSWC KIRTLAND AFB N M
RUWHHL/OCAMA HILL AFB UTAH
RUWGNK/OCAMA TINKER AFB OKLA
RUWIBTA/DAD (ATB) EGLIN AFB FLA
INFO RUFPKS/USAFB CP
RUCVSK/SAC OTSL CARSWELL AFB TEAS
RUEPWZ/FM DASA SANDIA BASE N M
RUTHBH/CHIEF JUS MAG SPAIN

2-6-3308

BT

P-2

~~SECRET~~

10701660925

00 WUPUJ

Z NY SSSSS ZOV RUEPWZ

Z CZ CEUL228 EHU535 REA644

00 RUEPWZ

DE RUIQBN 8A 0421555

Z NY SSSSS

O 111555Z FEB 66

FM 16TH AF ADVON

TO RUEKDA/SECDEF

RUEAHQ/CSAF

RUWMFNA/DIR NUC SFTY KIRTLAND AFB NM

RUWHNFDEP INSP GEN INSP SFTY NORTON AFB CALIF

RUCSC/SAC

RUCVAA/2AF BARKUDALE AFB LA

RUETHB8AF WESTOVER AFB MASS

RUTQBNA16AF TORREJON AB SPAIN

RUCWU/42ADIV BLYTHEVILLE AFB OKLA

RUETSR/822ADIV TURNER AFB G

47:37/97BW BLYTHEVILLE AFB OKLA

RUETFK/68BW SEYMOUR JOHNSON AFB NC

RUEBBA/AFSC

RUCDSQ/AFLC

RUWGNH/SAAMA KELLY AFB TEX

RUWMFNA/AFSWC KIRTLAND AFB NM

RUWHHL/OCAMA HILL AFB UTAH

RUWGNK/OCAMA TINKER AFB OKLA

RUWBTIA/DAD ATB EGLIN AFB F

~~SECRET~~

~~SECRET~~

~~RESTRICTED DATA~~

NO. 101600727

FEB 66 28

~~SECRET~~

EXCLUDED FROM AUTOMATIC
DOWNGRADING, DOD DIR 5200.10
DOES NOT APPLY

ACTION	INFO
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OP-78
SF-9
TG-10,11
DV-12,13,14
AM-15

THIS DOCUMENT CONTAINS 4
NO. 101600727 COPIES SERIES

~~RESTRICTED DATA~~

~~RESTRICTED DATA~~

2-6-4170
upside

~~SECRET~~

IMMEDIATE

NNNNPUA824VZCZCHZB629ZC9686
1 FEB 66 18 30

OO RUWPUJ
ZNY SSSSS ZOV RUEPWZ
EUL734 EUH005CEF685
OO RUEPWZ
DESRUTQBN 8A 0321218
ZNY SSSSS
O 011100Z

ACTION	INFO
OP-789 Called 4/5 Laird 18582	SE-10 TR-1112 DU-1112 AM-16

FM 16TH AF ADVON
TO RUEKDA/SEC RETARY OF DEFENSE
RUEAHQ/CSAF USAF

RUMHMA/DIR NUC SETY KIRTLAND AFB NM
RUMHNF/DEP INSP SETY NORTON AFB CALIF
RUCSC/HQ SAC OFFUTT AFB NEB
RUCVAA/HQ 2 AF BARKSDALE AFB LA
RUETBH/HQ 8 AF WESTOVER AFB MASS
RUTQBNA/HQ 16 AF TORREJON AB SPAIN
RUCWU/42ND AIR DIV BLYTHEVILLE AFB ARK
RUETSR/822ND AIR DIV TURNER AFB GA
RUCWU/97 BW BLYTHEVILLE AFB ARK

THIS DOCUMENT CONSISTS OF 5 PAGES
OF 29 COPIES, SERIES

THIS DOCUMENT CONSISTS OF 5 PAGES
NO 12 OF 26 COPIES, SERIES

2-6-3089

~~SECRET~~

U

~~SECRET~~

ETFK/68 BW SEYMOUR JOHNSON AFB N C
RUEBBAA/AFCS ANDREWS AFB MD
RUCDSQ/AFLC WPAFB
RUWGN/SAAMA KELLY AFB TEXAS
RUWPFMA/AFSWC KIRTLAND AFB N M
RUWHHL/OOAMA HILL AFB UTAH
RUWGN/OOAMA TINKEJ AFB OKLA
RUWTBTA/DAD (ATB) EGLIN AFB FLA
INFO RUFPKS/USAFE CP
RUCVSK/SAC OTSL CAJWELL AFB TEXAS
RUEPWZ/FC DASA SANDIA BASE N M
RUTHEH/CHIEF JUSMAG SPAIN
BT

~~SECRET~~ RESTRICTED DATA 00111 FEB 66.

SUBJ: SUPPLEMENTAL REPORT NT. 10 (ADVN) OF NUCLEAR ACCIDENT
(BROKEN AJRM). SEC DEF FOR ASD(AE); CSAF AND AFHQ, AFHQ
AFSS-AE, AFINS; SAC FOR GEN RYAN AND DO, DM, DSD; 2, 8, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 822 AD (DO, DM, DS); 68 & 97B (DCO, DCM, DS); SCIZ; NCSS;
SWVN; OOS; JUSMAG FOR GEN DENOVAN. THIS CONSTITUTES ADDITIONAL
OR CORRECTED INFO TO REPTS FROM 16 AF ADVN SECRET/RD MSGS C0018,
23 JAN 66; C0028, 24 JAN 66; C0034, 25 JAN 66
C0041, 26 JAN 66; C0054, 27 JAN 66; C0066, 28 JAN 66; C0081,
29 JAN 66; C0085, 30 JAN 66; C0099, 31 JAN 66; 1 FEB 66

P-2

2-6-3089

PAGE 2 RUTQBN 8A S

SECRET

RPT CORRS REQUIREMENTS OF ATCHM'T 4, AFR 127-4.

A. NO CHANGE.

B. NO CHANGE. NO. 4 WEAPON, MK28Y1, MOD. 2, SERIAL NUMBER 45345 HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE.

E. NO CHANGE.

F. THE INTENSIVE SEARCH FOR WEAPON NUMBER 4 STILL CONTINUES.

DAILY MEETINGS ARE STILL CONTINUING WITH THE SPANISH NEC PERSONNEL. THE PRIMARY DISPOSAL SITE (PIT) HAS BEEN SELECTED. AN ADDITIONAL SITE HAS ALSO BEEN SELECTED IN THE EVENT IT WILL BE NECESSARY. THE ACTUAL CONSTRUCTION OF THE DISPOSAL PITS IS STILL UNDER DISCUSSION.

WEAPON NUMBER 2 INFO FOLLOWS: THE ZERO CONTAMINATION LINE HAS BEEN ESTABLISHED. A 7,000 CPM ISOLINE WAS COMMENCED AND ALL AREA WITHIN THIS LINE WILL REQUIRE THREE ADDITIONAL BUILDINGS WASHED DOWN. THE BUILDINGS WASHED DOWN ON 30 JAN 66 SHOWED SIGNIFICANT DECREASES IN CONTAMINATION WHEN REMONITORED.

CLAIMS: EMERGENCY PAYMENTS THROUGH 31 JAN 66 HAVE BEEN MADE TO 73 CLAIMANTS. THE TOTAL OF PAYMENTS IS APPROXIMATELY \$4000.

G. NO CHANGE.

H. NO CHANGE.

I. NO CHANGE.

J. NO CHANGE.

K. SEE "F" ABOVE

2-6-1089

P-3

PAGE 4 RUTQBN SA

~~SECRET~~

L. NO CHANGE.

M. NEWS RELEASES TO DATE: "THE FOLLOWING THREE OFFICIAL STATEMENTS RELEASED BY THIS HQ, AS CLEARED BY DOD AND STATE DEPT. THE SECOND STATEMENT WAS CLEARED BY THE SPANISH GOVERNMENT. SUBSEQUENT TO THE FIRST RELEASE, THE NAMES OF SURVIVORS AND FATALITIES WERE RELEASED. STATEMENT ONE-A B-52 BOEING FROM 68TH BOMB WING AT SEYMOUR JOHNSON AFB, NORTH CAROLINA, AND A KC-135 TANKER FROM 910TH AIR REFUELING SQ AT BERGSTROM AIR FORCE BASE, TEAS, CRASHED TODAY SOUTHWEST OFF CARTAGENA, SPAIN DURING SCHEDULED AIR OPERATIONS. THERE ARE REPORTS OF SOME SURVIVORS FROM THE CREWS OF THE AIRCRAFT. AND AIR FORCE ACCIDENT INVESTIGATION TEAM HAS BEEN DISPATCHED TO THE SCENE. ADDITIONAL DETAILS WILL BE AVAILABLE AS THE INVESTIGATION PROGRESSES. STATEMENT TWO- THE FOLLOWING STATEMENT, CLEARED 20 JAN 66, IS FOR USE BY DOD AND 16AF IN REPLY TO QUERIES: "THE STRATEGIC AIR COMMAND BOMBER WHICH WAS ENGAGED IN REFUELING OPERATION OFF THE COAST OF SPAIN, AND SUFFERED AN ACCIDENT WITH A KC-135 TANKER WAS CARRYING UNARMED NUCLEAR ARMAMENT. RADIOLOGICAL SURVEYS HAVE ESTABLISHED THAT THERE IS NO DANGER TO PUBLIC HEALTH OR SAFETY AS A RESULT OF THIS ACCIDENT." STATEMENT THREE- CLEARED FOR RELEASE. STATEMENTS OF THE AUTHORITIES UNITED

4-6-3089

PAGE 5 RUTQBN 8A ~~SECRET~~

STATES NAVY AND THE UNITED STATES ARMY ARE ASSISTING SPANISH
AUTHORITIES AND THE US AIR FORCE IN THE SEARCH FOR WRECKAGE OF THE
B-52 AND KC-135 AIRCRAFT WHICH SUFFERED IN ACCIDENT DURING A REFUELING
OPERATION JANUARY 17. AIR FORCE OFFICIALS RECONFIRMED THAT
RADIOLOGICAL SURVEY HAVE FOUND NO INDICATION OF DANGER TO PUBLIC
HEALTH OR SAFETY AS RESULT OF THE ACCIDENT." QUERIES MAY BE
ANSWERED WITH CONTENTS OF THE ABOVE STATEMENTS, USING EXACT LANGUAGE,
OTHERWISE, "INVESTIGATION IS CONTINUING" OR "NO COMMENT."
N. NO CHANGE.

O. A.B. BRUBAKER, CAPTAIN, HQ 16AF, DMAE, EXT 3003, TORREJON AB,
SPAIN. THIS REPORT SUBMITTED FROM SITE OF ACCIDENT. GP-M

BT

2-6-3089

25

~~SECRET~~

~~SECRET~~

NNNNPUB 016 WZB574

00 RUEPWJ

2 FEB 74

ZNY SSSSS ZOV RUEPWZ

EUL 780V EUH24CEB056

00 RUEPWZ

DE RUTQBN 01A 0331117

retransmitted from DASA

IMMEDIATE

ZNY SSSSS

O 021045Z

REC

ACTION

INFO

FM 16TH AF ADVON

TO RUEKDA/SECRETARY OF DEFENSE

RUEAHQ/CSAF USAF

RUEAFMA/DIR NUC SFTY KIRTLAND AFB NM

RUEAHNF/DEP INSP SFTY NORTON AFB CALIF

RUCSC/HQ SAC OFFUTT AFB NEB

RUCVAA/HQ 2 AF BARKSDALE AFB LA

RUEAH/HQ 8 AF WESTOVER AFB MASS

RUTQBN/HQ 16 AF TORREJON AB SPAIN

RUCVNU/42ND AIR DIV BLYTHEVILLE AFB ARK

RUEAFSR/82ND AIR DIV TURNER AFB GA

RUCVNU/97BW BLYTHEVILLE AFB ARK

RUEAFK/68 BW SEYMOUR JOHNSON AFB NC

RUEBAA/AFCS ANDREWS AFB MD

RUCBSG/AFLC WPAFB

RUEGNH/SAAMA KELLY AFB TEXAS

RUEAFMA/AFSWC KIRTLAND AFB NM

RUEAHHL/OCAMA HILL AFB UTAH

OP 7,8

*-9
TG-16
DU-1313
AM-15*

NO

PAGE 13

2-6-3185

w p n disp

~~SECRET~~

IMMEDIATE

SECRET

31 JAN 66 14 23

HQS, DASA

EEUL666 EUG224CEF070

OO RUEPWZ

DE RUTQBN 8A 0311050

ZNY SSSSS

O 311006Z JAN 66

FM 16TH AF ADVON

TO RUEKDA/SECDEF

RUEAHQ/CSAF

RUWMFNA/DIR NUC SFTY KIRTLAND AFB N M

RUWHNF/DEP INSP SFTY NORTON AFB CALIF

RUCSC/SAC

RUCVAA/HQ 2 AF BARKSDALE AFB LA

RUETHB/HQ 8 AF WESTOVER AFB MASS

RUTQBN/HQ 16 AF TORREJON AB SPAIN

RUCVHU/42ND AIR DIV BLYTHEVILLE AFB ARK

RUETSR/822ND AIR DIV TURNER AFB GA

RUCVHU/97 BW BLYTHEVILLE AFB ARK

RUETFK/68 BW SEYMOUR JOHNSON AFB N C

RUCBSQ/AFLC

RUEBBAA/AFSC

RUWGNH/SAAMA KELLY AFB TEAS

RUWMFNA/AFSWC KIRTLAND AFB N M

RUWHHL/00AMA HILL AFB UTAH

RUWGNK/OCAMA TINKER AFB OKLA

RUMTETA/DAD ATB EGLIN AFB FLA

INFO RUFPBWL/USAFE CP LINDSEY AS GERMANY

RU CVSK/SAC OTSL CARSWELL AFB TEXAS

RUEPWZ/FC DASA SANDIA BASE N MEX

RUTHRP/CHIEF JUSMAG SPAIN

DASA 00 37

THIS DOCUMENT CONTAINS
UNCLASSIFIED INFORMATION

return to DMA/...
LC NO 7 Feb 66

PALOMARES

9

(X)

SECRET//NOFORN//C-00098 JAN 66.

SUBJ. SUPPLEMENTAL REPORT NO. 9 (ADVON) OF NUCLEAR ACCIDENT
(BROKEN ARROW). SEC DEF FOR ASTD (AE); CSAF AND AFICG, AFIIIS,
AFSSS-AE, AFINS; SAC FOR GEN RYAN AND DO,DM, DOSD; 2, 5, 18 AF,
42, 822 AD (DO,DM,DS); 68 & 97 BW (DCO,DCM,DS); SCIZ; MCASS;
SWVN; OOYS; JUSMAG FOR GEN DONOVAN. THIS CONSTITUTES ADDITIONAL
OR CORRECTED INFO TO REPTS FROM 16 AF ADVON SECRET/RD MSGS C 0014,
23 JAN 66; C00028, 24 JAN 66; C00034, 25 JAN 66; C 00041, 26 JAN
66; C00054, 27 JAN 66; C00066, 28 JAN 66; C00080,
29 JAN 66; C00085, 30 JAN 66; 31 JAN 66. THIS REPT COVER REQUIRE-
MENTS OF ATCHM'T 4, AFR 127-4.

A. NO CHANGE.

B. NO CHANGE. NO 4 WEAPON, MK2861, MOD.2, SERIAL NUMBER 45345
HAS NOT BEEN FOUND.

C. NO CHANGE.

D. NO CHANGE.

E. NO CHANGE

F. THE INTENSIVE SEARCH FOR WEAPON NO. 4 STILL CONTINUES.

NUMBER 2 WEAPON AREA INFO FOLLOWS: MAJOR ACTIVITY CONSISTED OF
ESTABLISHING THE ZERO CONTAMINATION LINE. AS NOTED IN PREVIOUS
REPORT CONTAMINATION IS EXPANDING SLIGHTLY. LEVEL OF EXPANSION IS
50 TO 500 CPM. THE ZERO LINE STAKED WITH RED FLAGS FOR USE OF
LOCAL SPANISH FARMERS AND CLAIMS OFFICERS. SHOVEL CREWS WORKED ON
TERRACES TO REMOVE THE ISOLATED HOT SPOTS (2-00-10,000 CPM) WHICH
WERE LEFT BY THE SCRAPER ON THE PREVIOUS DAY. REMONITORING OF
SCRAPED AREAS GIVE READINGS OF 600 CPM.

NUMBER 3 WEAPON AREA INFO FOLLOWS: ESTABLISHMENT OF ZERO
CONTAMINATION LINE WAS THE PRIME ACTIVITY. MARKING OF AREA WITH
RED FLAGS WAS ALSO ACCOMPLISHED.

MONITORING OF BASE CAMP (FIELD KITCHEN, MOTOR POOL,
VEHICLES, TENT AREA AND COMMAND POST) REVEALED NO CONTAMINATION.

63

~~SECRET~~

PRIORITY

TTPUA573 TUA839713435

31 JAN 66 13 15

00 RUWPUJ

DE. RUTQBN 7A 0311245

ZNY SSSSS

O P 311032Z JAN 66

FM 15AF ADVON SPAIN

TO RUWPQS/W R BARTON 9320 SANDIA CORPORATION ALBUQ N MEX

UWPQS/S A MOORE 1540 SANDIA CORPORATION

INFO RUWPQA/ALOO AEC ALBUQ N MEX

RUWPQL/LASL LOS ALAMOS N MEX

RUWPUJ/DASA FILED COMD ALBUQ N MEX

RUWMFNA/DIR NUCLEAR SAFETY KIRTLAND AFB N MEX

BT

~~RESTRICTED DATA~~ /C-00095 JAN 66. FROM R.C. MAYDEW

AND S.V. ASSELIN. DATA INDICATES 15 FT. CHUTE WAS DEPLOYED BUT
DAMAGED ON NUMBER 3 DURING TRAJECTORY. THIS WOULD CONFIRM SHORTER
RANGE OF NUMBER 3. CALCULATE TRAJECTORY FOR NUMBER 3 ASSUMING
STREAMING 15 FT. CHUTE AND 255 DEGREE GROUND TRACK. PLEASE REFER-
ENCE ALL RANGE AND AZMUTH MEASUREMENTS RELATIVE TO NUMBER 2 IMPACT
POINT SINCE NUMBER 2 WAS THE ONLY FREE FALL UNIT. ADDITIONAL TRAJ-
ECTORY REQUESTS FORTHCOMING. Q-1.

~~SECRET~~

1-6-9213

WPN-3 DISCP

PAG

~~SECRET~~

THIS DOCUMENT CONSISTS OF 2 PAGES

NO. 11 OF 12 COPIES

~~SECRET~~

ATOMIC ENERGY ACT

PRIORITY

NNNNETPUA530W

TUA7520TA297

30 JAN 66 17 28

00 RUWPUJ

DE RUTQBN 026A 0301530 NO

ZNY SSSSS

O P 301515Z JAN 66

FM 16AF ADVON SPAIN

ACTION

INFO

OP-7,8

SF-9

TG-10,11

DU-12,13,14

AM-15

TO RUWPQS/ W R BARTON 9320 SANDIA CORPORATION ALBUQ N MEX

RUWPQS/S A MOORE 1540 SANDIA CORP ALBUQ N MEX

INKO RUWPQA/ ALBUQ OPERATIONS OFFICE AEC ALBUQ N MEX

RUWPQL/LOS ALAMOS SCIENTIFIC LABORATORY LOS ALAMOS N MEX

RUWPUJ/DASA FIELD CMD ATTN JNACO ALBUQ N MEX

RUWMFNA/DIR NUCLEAR SAFETY KIRTLAND AFB ALBUQ N MEX

BT

THIS DOCUMENT CONSISTS OF 2 PAGES

NO. 11 OF 12 COPIES

SECRET REGISTERED DATA NUCLEAR C-00087. JAN 66. FROM: R. C. MAYDEN

AND S.V. ASSELIN. PLEASE BRING THIS MSG TO THE IMMEDIATE ATTENTION OF W.R. BARTON BY TELECON TO HIS HOME. THOROUGH GROUND SEARCH RESULTED IN NO ADDITIONAL PARTS OF NR. 4 UNIT. NR. 4 TAIL PLATE WITH RING FORGING ATTACHED FOUND AT 1 DEGREE 46.7 MINUTES AND 37 DEGREES 15.3 MINUTES. ACFT AND UNIT DEBRIS TRACK PLUS CREW MEMBERS ESTIMATE OF ACFT GROUND TRACK INDICATES 256 DEGREES TRUE SHOULD BE USED FOR TRAJECTORY CALCULATIONS. CORRECT LOCATIONS OF UNITS ARE: ONE, 1 DEGREE 46.8 MINUTES AND 37 DEGREES 14.4 MINUTES, TWO, 1 DEGREE 48.75 MINUTES AND 37 DEGREES 14.55 MINUTES

~~SECRET~~

REGISTERED DATA

PAGE 2 RUT ~~SECRET~~ NOFORN

AND THREE, 1 DEGREE 47.55 MINUTES AND 37 DEGREES 14.87 MINUTES. 16-FT. CHUTE OPENED SOMETIME DURING TRAJECTORY OF NUMBER ONE UNIT WHICH ACCOUNTS FOR IMPACT LEFT OF GROUND TRACK. RECALCULATE ACFT CRASH POINT FROM FREE FALL TRAJECTORY BACKING UP FROM MIDPOINT BETWEEN IMPACT POINTS OF UNITS 2 AND 3; THEN CALCULATE NUMBER ONE SPLASH POINT FOR 16FT. CHUTE DEPLOYING AT CRASH TIMEWM USE 256 DEGREE TRUE GROUND TRACK. THE ABOVE ANALYSIS IS FIRST OF TWO THEORIES FOR LOCATING NUMBER FOUR UNIT. A SECOND THEORY TO BE PURSUED IS THE MID-AIR ONE-POINT DETONATION IDEA. THE DETONATION MUST OCCUR AFTER AIRCRAFT-BOMB SEPARATION SINCE THERE WAS NO OR LITTLE EVIDENCE OF ALPHA OR BLAST IN B-52 79 BOMB BAY AREA OR ON UNIT 1. WE SPECULATE THAT AFTER DETONATION, THE TAIL PLATE AND SECONDARY SEPARATED FROM THE REMNANTS OF THE BOMB AND THE 16FT. CHUTE OPENED. WE ROUGHLY ESTIMATE WEIGHT OF 16FT. PARACHUTE PAYLOAD AS 500 POUNDSWM OBTAIN WEIGHT ESTIMATE OF BOMB REMNANTS FROM 1500 ORGANIZATION AND CALCULATE DETONATION LOCATIONS, FOR 5, 10 AND 15 SECONDS OF FREE FALL AND THEN CALCULATE THE THREE SPLASH POINTS FOR THE 16FT. PARACHUTE AND THE REDUCED WEIGHT. IN ADDITION, CALCULATE FREE FALL TRAJECTORIES OF SECONDARY FOR THOSE THREE ASSUMED CONDITIONS AND FURNISH IMPACT POINTS. IN ADDITION, ON A

P2

~~SECRET~~

1-6-9199

PAGE 3 RUT39N 005A S E C R E T RESTRICTED DATA NOFORN

LOWER PRIORITY BASIS, TRY TO DUPLICATE TRAJECTORY OF NUMBER ONE UNIT BY DELAYING OPENING OF 16FT. PARACHUTE. NOTE THAT 16FT. PARACHUTE ON NUMBER ONE UNIT WAS NOT DAMAGED. NUMBER FOUR TAIL PLATE BEING SHIPPED BY AIR TO S.A. MOORE FOR ANALYSIS OF TYPE OF FAILURE AND EVENTS LEADING UP TO FAILURE. PLEASE NOTE SHEAR PATTERN ON RIVETS AND DISTORTION UNDER EIGHT QUARTER-INCH BOLT HEADS. COVER PLATE HAS BEEN REMOVED AND REPLACED TO REMOVE DETONATORS AND MDF REMAINS IN UNIT. SHIPPING REFERENCES FORWARDED IN LATER MESSAGE. PLEASE FURNISH ANY CONCLUSIONS AFTER ANALYSIS THAT WOULD LEAD TO FURTHER THEORIES AT WHAT HAPPENED TO UNIT FOUR. MAILING OF DRAWINGS TO US SHOULD BE THROUGH COL. R.C. JENKINSON DEP. CMDR. 15TH AF, APO 99283. GP-1.

1-6-9199

PT 00127

0ATSZYUW RUEADRA1455 2001915-SSSS--RUWMMAC.

ZNY SSSSS

0 191910Z JUL 73

FM HQ DNA WASH DC

INFO JNACC FLG GMDR KIRTLAND AFB NM

0 191810Z JUL 73

FM JCS

INFO RUEADWD/CSA WASH DC

RUEHAAA/CNO WASH DC

RUEHDRA/DNA WASH DC

RUEKAAA/ANMCC FORT RITCHIE MD

0 191806Z JUL 73

TO ZEN/SAC CP FORCE STATUS

ZEN/SAC CP LOGISTICS

ZEN/15AF CP FORCE STATUS

ZEN/15AF CP LOGISTICS

RUEFHQA/CSAF

RUEKJCS/JCS(INMCC)

RUEKAAA/AFFOC/FT RITCHIE

BT

/JOPREP JIFFY /OPREP 3/PENT SPEAR

REPORT NUMBER 002

0/191630Z

0/1 MARK 12

/NONE/NONE

/RV ASSEMBLY

/DURING A MARK 12 RV ASSEMBLY THE J7 CONNECTOR ON THE MIDSECTION WAS CONNECTED TO THE WLC CABLE OF THE FORWARD SECTION. AS THE FORWARD SECTION WAS BEING LOWERED THE TEAM CHIEF NOTICED THE J7 CONNECTOR

PAGE 02 RUECHTJ 0106

AS LOOSE.

HE TORQUE WAS CHECKED ON THE WLC CABLE CONNECTOR AND IT WAS IN ACCORDANCE WITH TECH DATA.

/NONE

/NONE

THE TEAM CHIEF DECIDED TO REMOVE THE WLC CABLE AND AS THE CONNECTOR WAS BEING LOOSENERED THE J7 CONNECTOR CAME OUT OF THE MIDSECTION. THE TEAM CHIEF IMMEDIATELY TERMINATED HIS ASSEMBLY PROCEDURES AND NOTIFIED HIS SUPERVISOR

J/NONE

R/WRW W62 SERIAL NUMBER 171091 IS UNSERVICEABLE AT THIS TIME. L/TECH DATA NOT AVAILABLE TO REPAIR

CONNECTOR. ALL OPERATIONS ON ASSEMBLING THE RV WERE STOPPED IMMEDIATELY. NO FURTHER ACTIONS WILL BE TAKEN UNTIL DIRECTIONS ARE RECEIVED FROM HIGHER AUTHORITY.

BT

#1455

DECLASS

NNNN

~~SECRET~~

~~SECRET~~

5583
3

19 JUL 73 14 37Z

6

DNA
(5)(3)

FCSM	
CMDR	1
ADM OFF	F2.2
B A	F2.3
	F3
I	F3.3
SI	F7.1
SO	F3.6
SD	BT X
NR CYS REC	

ROUTINE

PT 00042

PTTSZYUW RUWKADA4262 2011828-SSSS--RUWMHAC.*****

ZNY SSSSS

201825Z JUL 73

FM DIR SP WPNS KELLY AFB TEX

TO RUWMHAC/FC DNA KIRTLAND AFB NMEX/FCSMO

RUWJARA/SAMSO NORTON AFB CALIF/MNNR

BT

~~RESTRICTED DATA~~ ATOMIC ENERGY ACT 1954 SWPTR

SUBJ: ONE TIME REPORT OF NUCLEAR INCIDENT (RENT SPEAR)

IS ASSIGNED MIP SAWPY73-3083R. REPORT CONCERS W62 S7N

171091/MK 12 RV. DURING ASSEMBLY THE J7 CONNECTOR ON THE

MIDSECTION CONNECTED TO THE WIC OF THE FORWARD SECTION WAS

NOTICED TO BE LOOSE. THE TORQUE WAS CHECKED ON THE WIC

AND WAS CORRECT. THE TEAM CHIEF DECIDED TO REMOVE THE WIC

CABLE AND AS THE CONNECTOR WAS BEING LOOSEMED THE J7 CONNECTOR

CAME OUT OF THE MIDSECTION. REQUEST YOU INVESTIGATION AND

EARLY REPLY ON RESULTS.

BT

4262

110000

~~RESTRICTED DATA~~

DNA
(6)(2)

A

I

~~RESTRICTED DATA~~
This report contains Restricted
Data as defined in
As such, its transmission or
disclosure to any person is
prohibited.

EX
3

~~RESTRICTED DATA~~

~~RESTRICTED DATA~~

ROUTINE

ROUTINE

DATA 000500

001 0100:00

FL 512
FL 100

Jan

RTTCZYUW 20VKADA2558 2302039-0000--RUMTFE RUMTFBA.

ZNY 00000

R 130005Z AUG 73

FM DIR CP WMS KELY AFB TX/SWPTB

TO RUMTFE/EC DNA KIRTLAND AFB NM/ECPSM

INFO RUMTFBA/AFLO NSC KIRTLAND AFB NM/LOWG

BT

102005Z

SUBJECT: C/M NS 0-31-78 (U).

FOLLOWING INCIDENT INVOLVING W69'S, SNS 38272, 89395, 89377, 91122, 26992, 91004, W6. DURING LOADING OF AGM-69A LAUNCHER INTO LAUNCHER LOAD FRAME WITH MHU-123/M TRAILER THE TEAM WAS ATTEMPTING NEAR SIDE SQUARE PIN HOLE ALIGNMENT. TRAILER CONTROL FOR NEAR SIDE WAS MOVED UP AND THEN IMMEDIATELY DOWN TO ALIGN PTNS AS THE CONTROL WAS MOVED DOWN THE NEAR SIDE TRAILER LEFT ARM LOWERED SUDDENLY. THE FAR SIDE REMAINED IN POSITION. LOWERING SPEED OF NEAR SIDE IS UNKNOWN, HOWEVER, IT APPEARED TO LOWER AT OR NEAR FREE FALL SPEED. AT SAME TIME DURING FALL, THE LAUNCHER ADAPTER FRAME SEPARATED FROM THE NEAR SIDE TRAILER ARM AT THE OUTRIGGER BARS WHICH PERMITTED THE LAUNCHER TO SWING FREE ON THE FAR SIDE ROUND PINS. SWINGING MOTION WAS COUNTER-CLOCKWISE AS VIEWED FROM BOOSTER SIDE. ALSO, DURING FALL, THE FAR SIDE TRAILER LEFT ARMS WERE FORCED OUTWARD.

ALL MOTION CEASED AND THE LAUNCHER, LAUNCH ADAPTER AND MISSILES REMAINED IN A ROTATED POSITION UNTIL EOD RECOVERY. DAMAGE SEEMS TO BE LIMITED TO:

- 4 O'CLOCK PIN ON POSITION SEVEN MISSILE.
- SKIN TEAR ABOUT QUARTER SIZE ON MISSILE SEVEN JUST FWD OF DAMAGED PIN.
- ARE COMPENSATOR OF FAR SIDE TRAILER LEFT ARM.
- ARE COMPENSATOR BEARING. EOD RECOVERY WITHOUT INCIDENT. CAUSE REPORTED AS FAILURE OF TRAILER PISTON ROD THREADS. THE NUT PULLED OUT OF PISTON ROD THREADS ON PISTON ROD. SWPTB HAS REQUESTED RESULTS OF WHD VISUAL INSPECTION FOR DAMAGE AND APPROX DISTANCE MISSILES FELL. INDICATIONS ARE AN EARLY WHD SERVICABILITY EVALUATION WILL BE REQUIRED.

BT

#2558

NNNN

DNA (6) (2)

ACTION	INFO
ECPSM	FCD
	FCP

ROUTINE

EDNA OR CODE 50-100

4520

ROUTINE

PTA 00407

020 2171:35

RTTCZYUW RUVKADA7083 0202100-CCCC--RUWTFBF.
ZNY CCCCC,
R 000000Z JAN 78
FM DIP SP WPNS KELLY AFB TEX/SWPT
TO FCDNA KIRTLAND AFB NM/FCPSM
BT

FCPSM
FCSAC
202055

ENERGY ACT 1954

SUBJ: DULL SWORD REPORT

P/N 210221-01 S/N

MESSAGE NO 191915Z JAN 1978 IS QUOTED FOR YOUR INFORMATION AS
FOLLOWS: QUOTE "REFERENCE T.O. 11N-W56-1, PARA A3-2.5.2F. AT THE
COMPLETION OF REFERENCED STEP, A VISUAL INSPECTION OF THE UNIT IN-
TERIOR WAS ACCOMPLISHED. A CRACK WAS NOTED IN THE PLASTIC COVER,
P/N 1430785-1 ON THE REEL MECHANISM. WITH THE REEL MECHANISM OR-
IENTATED IN ITS MOST DOWNWARD POSITION, THE CRACK IS LOCATED ON
THE LEFT SIDE OF THE PLASTIC COVER DIRECTLY OVER THE MIDDLE RE-
INFORCEMENT RIB. THE CRACK EXTENDS APPROXIMATELY 3/8" ACROSS THE
TOP OF THE COVER AND APPROXIMATELY 1/4" DOWN THE SIDE OF RIB AND
HAS STARTED TO TURN AWAY FROM RIB APPROXIMATELY 1/16" UNQUOTE".
THE STATED PROBLEM IS SIMILAR TO DEFICIENCIES REPORTED IN LATE
1978 ON THE SAME PART NUMBERED ITEMS, REFERENCE FCDNA UR'S
PAGE 2 RUVKADA7083
77M38 AND 51W86; ALL COVERS PREVIOUSLY REPORTED WERE FOUND TO BE
SUITABLE FOR CONTINUED USE. REQUEST AN EVALUATION TO DETERMINE
DETERIORATION OF THIS UNIT. PHOTOGRAPHS HAVE BEEN REQUESTED. IT IS
RECOMMENDED FOR FUTURE PROBLEMS OF THIS NATURE THAT CONSIDERATION BE
GIVEN TO CHANGING THE TECHNICAL DATA TO PERMIT ACCEPTANCE OF THE
COVERS WITH SURFACE CRACKS AS LONG AS THE UNIT PASSES THE REQUIRED
LEAK TEST. YOUR EARLY RESPONSE TO THIS MESSAGE WILL BE APPRECIATED.

#7083
NNNN

DNA
(b)(3)

FCPSM
FCD
FCM
FCI
ERDA

ROUTINE

* CONFIDENTIAL *

"FORMERLY RESTRICTED DATA"
Administrative and technical instructions
as prescribed by the Department of Defense

IMMEDIATE.

PT 00133

OATSZYUW RUEBDBA 0422 0452130-5555--RUMHAC.

ZNY 55555

O 142129Z FEB 74

FM HQ DNA WASH DC

INFO JNACC FC DNA KIRTLAND AFB NM

O 142125Z FEB 74

FM JCS

INFO DNA WASH DC

O 142121Z FEB 74

FM 380SAW CP PLATTSBURG NY /JJ0257

TO ZEN/SAC CP FORCE STATUS

ZEN/SAC CP LOGISTICS

ZEN/2AF CP FORCE STATUS

ZEN/2AF CP LOGISTICS

RUEFHQA/CSAF

RUEKJCS/JCS(NMCC)

RUEKAAA/AFECC/FT RITCHIE

BT

SECRET JOPREP JIFFY/380BW/OPREP-3/BROKEN ARROW/002

14 FEB 74 1500Z

PLATTSBURGH AFB NUMBER ONE ALERT SHELTER

NONE DAMAGE LIMITED TO FB-111, NO INJURIES
ALERT EXERCISE GREEN DOT
FB-111 NOSE GEAR COLLAPSED

PAGE 02 RUCSHIJ 2850 SECRET

CREW RESPONDED TO NORMAL ALERT EXERCISE AND DURING CARTRIDGE
ENGINE START, THE NOSE GEAR FOLDED FORWARD AND RADOME CONTACTED
GROUND.

AIRCRAFT DISASTER CONTROL PROCEDURES ESTABLISHED, ALERT FORCE
REPOSITIONED TO SOUTH END OF RAMP.

NEWS RELEASE:

PLATTSBURGH AFB, NEW YRK-- AT APPROXIMATELY 11:02 THIS MORNING,
THE NOSE LANDING GEAR OF AN FB-111 BOMBER COLLAPSED WHILE THE
AIRCRAFT WAS UNDERGOING
ENGINE-RUN UP.

NORMAL EMERGENCY PRECAUTIONS AND ACTIONS WERE TAKEN
BECAUSE OF THE POSSIBILITY OF A FUEL SPILL.

IN THE INTEREST OF PUBLIC SAFETY, THIS NECESSITATED THE
CLOSING OF THE BASE GATES AND A PORTION OF ROUTE 22, A PUBLIC
HIGHWAY WHICH SKIRTS THE BASE NEAR THE

PAGE 03 RUCSHIJ 2850 SECRET

AREA OF THE INCIDENT.

NO INJURIES WERE REPORTED FROM THE INCIDENT, AND NO ESTIMATE

IMMEDIATE

UNCLASSIFIED

UNCLASSIFIED

2588

FEB 14 11 01 74

(New Classification)

which authorized the change)

(Eff date)

E C S M

CNDR

F

ADM OFF

2.2

B A

2.3

C

F3

D

F3.3

ER

F3.4

EQ

F3.5

CD

RE X

NR CYS REC:

2

AG/27

0004

IMMEDIATE

PT 00133

OF DOLLAR DAMAGE IS AVAILABLE AT THIS TIME.
A QUALIFIED BOARD OF AIR FORCE OFFICERS WILL BE APPOINTED TO
INVESTIGATE THE CAUSE OF THE INCIDENT.

END NEWS RELEASE.

NORMAL BULL SWORD AND SAFETY REPORTING WILL FOLLOW THRU
NORMAL SAFETY REPORTING.

~~SECRET~~

BT
(0422)

NNNNz

IMMEDIATE