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JAN RUWTVS8 0090 024 0145-SSSS--RUWVFNA.
DE RUTMAN 17 231157Z
ZNY SSSSS
O 231100Z ZEL
FM 16AF ADVON
TO RUEAHQ/CSAF
RUEKDA/SECDEF
RUWMFNA/DIR NUCLEAR SFTY KIRTLAND AFB NM
RUWHNF/DEP INSP GEN FOR INSP AND SFTY NORTON AFB CALIF
RUCSC/SAC
RUETHB/8AF WESTOVER AFB MASS
RUTQBNA/16AF TORREJON AB SPAIN
RUETFX/6SBW SEYMOUR JOHNSON AFB NC
RUEBBAA/AFSC
RUCDSQ/AFLC
RUWGNH/SAAMA KELLY AFB TEX
RUWMFNA/AFSAC KIRTLAND AFB NMEX
RUWHHL/OOAMA HILL AFB UTAH
RUFO RUFPBWL/USAFE CP LINDSEY AS GER
RUCVSK/SAC OTSL CARSWELL AFB TEX
BT
S E C R E T RD C0010 JAN 66. FINAL SECTION OF 2. RESULTS WERE NEGLIGIBLE (1.3 X 10-9 MICROGRAMS PER LITER). AIR SAMPLES TAKEN INDICATED INSIGNIFICANT CONTAMINATION (RANGES FROM 2.3 X 10-7 TO 3.8 X 10-6 MICROGRAMS PER CUBIC METER). ON 20 JAN, SPANISH NUCLEAR ENERGY COMMISSION REPRESENTATIVES MADE CONTACT WITH US AND MADE PLANS FOR MONITORING PERSONNEL, SOIL, BUILDINGS, AND AIR AND TOOK URINE GRAB SAMPLES OF FAMILIES LIVING WITHIN IMMEDIATE VICINITY OF CRATER IN PALOMARES. URINE SAMPLES RESULTS WERE 0.3, 0.2, 0.2 CGLNTS PER MINUTE FROM SAMPLES 13, 15 AND 7 CUBIC CENTIMETERS, RESPECTIVELY.

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THIS DOCUMENT CONSISTS OF 5 PAGE(S)
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Attch 34.

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PAGE 2 RUTHAN 17 S E C R E T

DURING 21 JAN 1956, RAD MONITORING CONTINUED IN AND AROUND NO 2 AND 3 WEAPON IMPACT AREAS. PAC-1S ALPHA DETECTORS WERE USED. IN THE NO. 3 AREA MONITORING COVERED A FAN SHAPED AREA 360 DEGREES THRU 90 DEGREES APPROXIMATELY ONE TO ONE AND ONE HALF MILES AND A FULL CIRCLE 180 DEGREES THRU 360 DEGREES FOR APPROXIMATELY 1000 FEET, ALL FROM WEAPON CRATER. ALL CROPS WERE MONITORED WITHIN AND AROUND [illegible] AREA. READINGS IN EXCESS OF 100 CPM WERE IDENTIFIED. READINGS RANG[illegible] FROM NON-DETECTABLE TO 160,000 CPM. AIR SAMPLES 160 FEET EAST TO SOUTH FROM CRATER WERE TAKEN DURING DECONTAMINATION OPERATION. RESULTS REVEALED THAT NO RESPIRATORY PROTECTION WAS REQUIRED FOR SHORT TERM EXPOSURE (20 DPM/M TO THE THIRD POWER) ? PERSONNEL PERFORMING DECONTAMINATION WER EQUIPPED WITH RESPIRATORS. NO SPANISH PERSONNEL WERE WITHIN THE AREA. A MAP OF THE NO. 3 AREA WAS MADE SHOWING READINGS TO DETERMINE WHAT CROPS AND ACREAGE TO BUY. THE NORTH WALL OF THE HOUSE SOUTHEAST OF THE CRATER WAS MONITORED. READINGS WERE LESS 50 CPM. AREA AROUND ONE CRATER (10,000) WHERE READINGS IN EXCESS OF 100,000 CPM WERE IDENTIFIED. THIS COVERED APPROXIMATELY 10,000 SQ. FEET AREA AROUND CRATER WITH READINGS IN EXCESS OF 2000 CPM BUT LESS THAN 120,000 WAS IDENTIFIED. THIS COVERED

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A[illegible]XIMATELY 45,000 SQ. FEET. PERSONNEL PERFORMING DECONTAMINATION OPERATION WITHIN THIS AREA WERE MONITORED AT END OF WORK DAY. DECONTAMINATION WAS PERFORMED.

NO. 2 WEAPON CRATER IN ISOLATED, UNINHABITED HILL WAS MONITORED. READINGS AT CRATER OR GROUND ZERO (GZ) WERE 100,000CPM. DISTANCES ARE APPROXIMATE. AT 39 DEGREES AND 35 FEET FROM GZ, 25,000 CPM; AT 70 DEGREES AND 10 FEET, 80,000CPM; AT 70 DEGREES AND 230 FEET, 2,500 CPM; AT 219 DEGREES AND 10 FEET, 110,000 CPM: AT 219 DEGREES AND 25 FEET, 45,000 CPM.

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ON 22 JAN NO. 3 WPN CRATER WAS DUG OUT, REMOVED APPROX 2 FEET OF CONTAMINTED TOP SOIL. CRATER OILED DOWN WITH WITH LIGHT OIL SPRAY. READINGS AFTER REMOVAL RANGED FROM 20,000 CPM TO 80,000 CPM WITH AVERAG OF 50,000 CPM. VEGETATION WAS REMOVED FROM PLOTS ADJACENT TO NO 3 WPN CRATER. APROX ONE AND ONE HALF ACRES WERE REMOVED. ON 22 JAN 1956 A MEETING TOOK PLACE BETWEEN USAF MILITARY PERSONNEL AND SPANISH MEDICAL, CIVIL DEFENSE, NUCLEAR ENERGY COMMISSION OFFICIALS, THE MAYOR OF PALOMARES, CROP OWNERS AND CROP ASSESSORS. TENTATIVE ARRANGEMENTS ARE BEING MADE TO BUY 10 ACRES OF

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PAGE 4 RUTHAN 17 S E C R E T
CROPS , 6 PIGS AND 20 RABBITS. ADDITIONAL FARM ANIMALS ARE BEING
CONSIDERED FOR PURCHASE. ALL ANIMALS ARE BEING CONTROLLED
B PANISH OFFICIALS.
MR. A.F. CORDOD, LAISON OFFICER TO TORREJON AB CONDR,
A ADED THIS MEETING. HE SPEAKS SPANISH FLUENTLY. HE SAID VILLAGERS
REACTED VERY FAVORABLE AND WERE MORE RELAXED. THEY ARE THINKING
MORE OF THE MONEY THEY WILL RECEIVE RATHER THAN OF ANY UNKNOWN
CONSEQUENCES OR IMAGINED FEARS GENERATED AS A RESULT OF THE ACDT.
THE 16AF CLAIMS
OFFICER SAID THE LANDOWNERS WERE EXTREMELY COOPERATIVE.
THEY UNDERSTOOD THE SITUATION AND MADE NO DEMANDS FOR IMMEDIATE PAY-
MENT. THEY PREFERRED TO WAIT UNTIL TOTAL DAMAGES WERE ASSESSED.
TENTATIVE COST DAMAGED CROPS FOR TWO LANDOWNERS WAS ARRIVED
AT, I.E. $478.33 AND $383.33. LANDOWNERS AGREED TO MOVE
THEIR FAMILIES OUT OF ARA DURING CLEAN UP.
G.UNKNOWN
H. NEGATIVE
I. VHU-2 CC CLIP IN ASSEMBLEY.
J. EOD (USAF AND NAVY), MEDICAL AND SECURITY ASSISTANCE IS BEING USED.
SAC SECURITY GUARDS AND GUARDIA CIVIL ARE BEING USED.
K. SEE ITEM F. ABOVE.

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PAGE 5 RUTMAN 17 S E C R E T
L. RECOVERED MATERIAL WAS TAKEN TO TORREJON AB FOR FURTHER
REPACKAGING BEFORE SHIPMENT BY AIR TO ZI
M. NO NEWS RELEASE HAS BEEN MADE FROM SITE OR 16AF.
N. NO
O. B. APOSTALON, MAJ. HQ SAC, NUCLEAR WEAPONS
OFFICER, EXT. 3123, OFFUTT AFB. THIS REPORT WAS
SUBMITTED FROM SITE OF ACCIDENT. GP-1
BT

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M0659A Elva Barfield, FOIA Officer/OPA; DOE/AL

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