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RE: USAEC ENERGY COMMISSION

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Radiological Safety (J. Serris)

CTG 7.1 ENIWETOK MI (ADMIN)  
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- (3) CTG 7.5, ENIWETOK MI (MAIL) /ASSIGN SERIES FOX/

PAREN ~~SECRET~~ PAREN CITE JIG FOX 4806 PD FOR COLE INFO NORRIS  
 BRADBURY CMM WHITLEY CMM REEVES FM GRAVES PD FOLLOWING IS A SUMMARY  
 OF FALLOUT FM SHOT BRAVO PD I PLAN TO KEEP YOU ADVISED OF FURTHER  
 DEVELOPMENTS AND MORE FREQUENTLY FOR LATER SHOTS PD REGRET THAT MY  
 PREOCCUPATION WITH EVENTS SUBSEQUENT TO BRAVO SHOT PREVENTED MY  
~~INTERMITTENT~~ INFORMING YOU EARLIER PD PART ONE CLN FALLOUT ~~SECRET~~  
 TRAVELED ON AN A PROXIMATE LINE FROM BIKINI TO BIKAR ATOLLS CMM AND  
 WAS LAST REPORTED APPROXIMATELY TWO ZERO ZERO MILES DUE SOUTH OF  
 THE ISLAND OF HAWAII AT ZERO THREE ZERO TWO ZERO ZERO ZEBRA WITH  
 AN INTENSITY OF ZERO PNT ZERO THREE TO ZERO PNT ZERO FOUR FIVE MR  
 PER HOUR AT TWELVE TO TWO NINE THOUSAND FEET PD THE HIGHEST ACTIVITY  
 WAS EVIDENT IN A RELATIVELY NARROW BAND WHICH PASSED JUST NORTH OF  
 AILINGINAE CMM RONGELAP CMM RONGERIK AND THENCE NEAR BIKAR PD

(SEE PAGE TWO FOR CONTINUATION)

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PAGE TWO

PART TWO CLN SURFACE RAD READINGS AT ZERO TWO ZERO SIX THREE ZERO ZEBRA AT RONGELAP WERE REPORTED AS ONE PNT FOUR ROENTGENS PER HOUR AVERAGE BY TWO DIFFERENT TYPE SURVEY INSTRUMENTS PAREN ANPDR DASH THREE NINE AND NYOO SCINTAMETER PAREN PD TOTAL OF FIVE INSTRUMENTS AND TWO EXPERIENCED MONITORS UTILIZED IN SURVEY PD CONSIDER THIS DATA RELIABLE PD BASED ON ASSUMPTION THAT FALLOUT STATED AT RONGELAP AT HOW PLUS EIGHT HOURS AND NATIVES EVACUATED BY HOW PLUS ~~0~~ FIVE ONE HOURS CMM COMPUTE AVERAGE TOTAL DOSE TO HAVE BEEN APPROXIMATELY ONE ZERO ZERO ROENTGENS PD NATIVES WERE EVACUATED BY ZERO TWO TWO TWO ZERO ZERO ZEBRA PD PART THREE CLN FILM BADGES WERE UTILIZED BY THE USAF WEATHER DETACHMENT ON RONGERIK PD HIGHEST DOSAGE RECEIVED WAS ONE BADGE AT NINE EIGHT ROENTGENS WHICH REPRESENTED THREE PEOPLE LIVING IN A TENT PD FOUR BADGES REPRESENTING THE REMAINDER OF PERSONNEL IN METAL BARRACKS READ FOUR ZERO CMM

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PAGE THREE

FOUR ZERO CMM FOUR FOUR CMM FIVE TWO ROENTGENS PD CONTROL BADGES  
 BETWEEN THE BARRACKS READ EIGHT TWO ROENTGENS PD SIX CONTROL BADGES  
 TAKEN FROM REFRIGERATED STORAGE AND CARRIED IN POCKETS FOR  
 INDETERMINATE TIME ALL READ THREE EIGHT ROENTGENS PD AIRCRAFT  
 EVACUATED THE WEATHER DETACHMENT BY ZERO TWO ZERO SIX ZERO ZERO  
 ZEBRA PD MAXIMUM SKIN READING BETA AND GAMMA PRIOR DECONTAMINATION  
 TWO FIVE ZERO MR PER HOUR WITH AVERAGE FOUR FOUR PNT FIVE MR PER  
 HOUR PD GROUND STATION AT RONGRIK BEGAN READING ABOVE ONE ZERO  
 ZERO MR PER HOUR AT ZERO ONE ZERO TWO ZERO ZERO ZEBRA PD PART FOUR  
 CLN AN AERIAL SURVEY OF UTIRIK AT APPROXIMATELY ZERO TWO ZERO FIVE  
 ZERO ZERO ZEBRA AT LOW ALTITUDES INDICATED SIX TWO ZERO MR PER  
 HOUR EXTRAPOLATED GROUND READING PAREN GAMMA ONLY BY NYOO  
 SCINTAMETER PAREN PD AT ZERO THREE ZERO ONE FOUR FIVE ZEBRA PAREN  
 HOW PLUS FIVE FIVE PAREN SURFACE READINGS WERE ONE SIX ZERO MR PER  
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PAGE FOUR

HOUR PD BY ESTIMATING THAT FALLOUT OCCURRED AT UTIRIK AT APPROXIMATELY  
 HOW PLUS ONE EIGHT HOURS AND THAT THE NATIVES WERE EVACUATED BY  
 ZERO FOUR ZERO ZERO FOUR FIVE ZEBRA CMM COMPUTE THE TOTAL DOSAGE  
 RECEIVED TO BE APPROXIMATELY ONE SEVEN ROENTGENS PD PART FIVE CLN  
 ALL NATIVES HAVE NOW ARRIVED AT KWAJALEIN AND ARE UNDER THE CARE  
 AND SUPERVISION OF COMNAVSTAKWAJALEIN PD HEALTH SITUATION OF  
 NATIVES REMAIN SATISFACTORY AND PHYSICAL EXAMINATIONS DISCLOSE  
 NOTHING UNUSUAL PD THERE ARE NO SYMPTOMS OF RADIATION SICKNESS AS  
 OF NOW PD SOME INFANTS SEEM TO BE DIFFICULT TO FEED BUT 7/13/53/  
 THIS IS THOUGHT TO BE DUE TO PRESENT VARIATION FROM NORMAL DIET PD  
 PROCUREMENT OF THE USUAL DIET IS BEING ACCOMPLISHED VIA LOCAL  
 NATIVES PD PRESENT PROGNOSIS FAVORABLE PD MOREALE VERY GOOD PD  
 PART SIX CLN A SHIP AKL PAREN TRUST TERRITORY CARGO SHIP PAREN  
 ARRIVED UTIRIK AFTER FALLOUT OCCURRED PD WE WILL CONTACT THIS

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PAGE SIX

NATIVES REFERENCE VISIBILITY OF BRAVO AND RADIATION PHENOMENA PD  
 WATEO READ BACKGROUND BUT WAS INCLUDED FOR THE LATTER REASON PD  
 PART EIGHT CLN REQUESTED CINCPACFLT OBTAIN PERMISSION FROM THE  
 BRITISH TO MAKE A SURVEY FLIGHT OF AEC NYOO TYPE THROUGH THE  
 GILBERT ISLAND CHAINS AND RETURN TO KWAJALEIN PD THIS MADE TO  
 COMPLETELY DOCUMENT BRAVO WITH POSITIVE EVIDENCE ON POPULATED  
 AREAS ADJACENT TO MARSHALL ISLANDS PD US NAVAL ~~ATTACHED~~ ATTACHE  
 IN LONDON HAS INDICATED THRU CINCPACFLT THAT PERMISSION GRANTED  
 PD HE FURTHER ADVISED THAT THE COLONIAL OFFICER HAS INFORMED  
 COMMISSIONER AND HAS DESCRIBED FLIGHT AS SURVEY FLIGHT WITHOUT  
 MENTIONING RADIATION ASPECTS PD HE HAS REQUESTED THAT GENERAL  
 SUMMARY OF THE RESULTS BE PASSED TO HIM FOR INFORMATION BRITISH  
 AUTHORITIES LONDON PD THIS WILL BE DONE PD PART NINE CLN THE ABOVE  
 IS A GENERAL SUMMARY OF ENTIRE SITUATION AND AN INDICATION OF THE  
 ACTION WHICH HAS BEEN TAKEN PD END

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ALVIN C. GRAVES, Scientific Dir ALVIN C. GRAVES, Scientific Director  
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