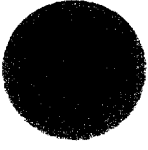


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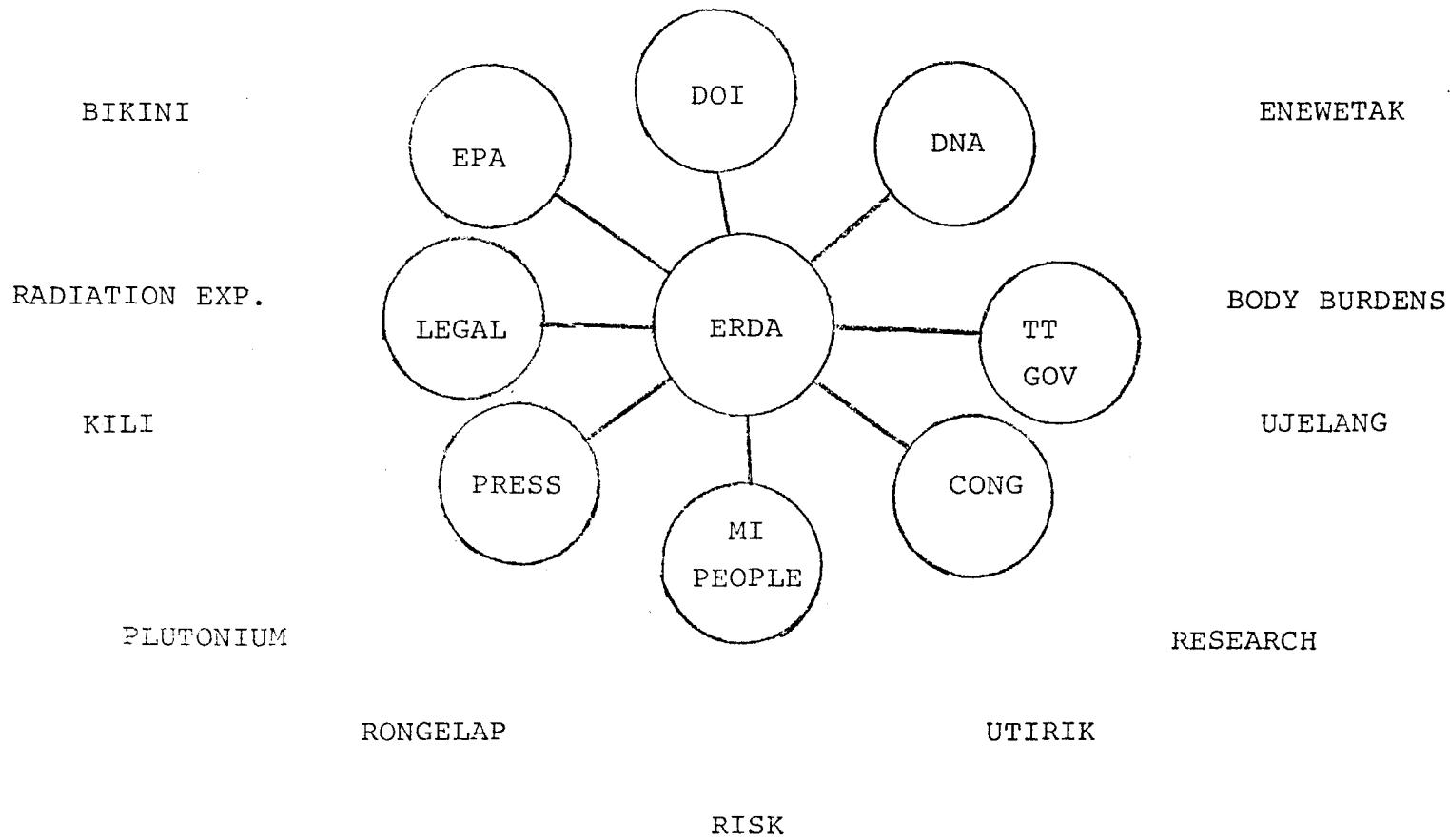
**MARSHALL ISLANDS**

**RADIOLOGICAL**

**SAFETY PROGRAM**

THE COMING AND GOING

RADIOLOGICAL ISSUES



DOE ARCHIVES

## PROGRAM ELEMENTS

1. RADIOLOGICAL MONITORING
2. DIETARY PATHWAY AND AGRICULTURAL PRODUCT STUDIES.
3. RADIATION EXPOSURE AND BODY BURDEN PREDICTIONS.
4. RISK ASSESSMENTS.
5. RECOMMENDATIONS FOR:
  - a. RADIATION PROTECTION CRITERIA.
  - b. RESTRICTIONS AND PRECAUTIONS.
6. INFORMATION AND EDUCATION.
7. STUDIES OF WAYS TO REDUCE RADIATION EXPOSURES.
8. ADVISORY COMMITTEE ON MARSHALL ISLANDS RADIOLOGICAL SAFETY.
9. LIAISON WITH DOI, DOD, EPA AND TTPI.
10. LONG RANGE PLANNING.

DOE ARCHIVES

## PROGRAM OUTLINE

1. DEVELOP RADIOLOGICAL CRITERIA FOR EVALUATING CONDITIONS FOR HABITATION OF TEST ATOLLS IN THE PACIFIC.
2. DEVELOP RECOMMENDED PRECAUTIONS AND RESTRICTIONS THAT ARE NEEDED TO KEEP RADIATION EXPOSURES OF MARSHALL ISLAND RESIDENTS WITHIN ACCEPTABLE CRITERIA.
3. CONDUCT A LONG TERM FOLLOWUP RADIOLOGICAL MONITORING PROGRAM FOR THE PEOPLES AND ENVIRONMENTS OF NUCLEAR TEST IMPACTED ATOLLS TO INCLUDE BASELINE DATA FROM OTHER AREAS OF THE PACIFIC.
4. EVALUATE RADIOLOGICAL SURVEY DATA AND MAKE RADIATION DOSE AND BODY BURDEN PREDICTIONS.
5. EVALUATE EFFECTIVENESS OF RECOMMENDED PRECAUTIONS AND RESTRICTIONS DESIGNED TO LIMIT RADIATION EXPOSURES AND TO INSURE SUCH EXPOSURES ARE WITHIN APPLICABLE CRITERIA.

6. PROVIDE GUIDANCE AND FUNDING FOR CONTRACTOR ACTIVITIES.
7. COMPILE AND MAINTAIN RECORDS OF BASIC DATA AND INFORMATION ON RADIOLOGICAL CONDITIONS IN THE PACIFIC AND INFORMATION ON THE PEOPLE OF THE MARSHALLS.
8. CONDUCT A RADIATION HEALTH AND SAFETY EDUCATION AND INFORMATION PROGRAM FOR THE MARSHALLESE PEOPLE.
9. PERFORM LIAISON WITH AN ADVISORY COMMITTEE ON TEST ATOLLS.
10. PROVIDE ADVICE TO DOI, DOD, EPA, TT OFFICIALS AND LEGAL REPRESENTATIVES.
11. CONDUCT A PERIODIC REVIEW TO INSURE THAT EXPOSURES OF BIKINI AND ENEWETAK RESIDENTS FROM EXTERNAL RADIATION AND FROM RADIONUCLIDES IN THE FOOD CHAIN ARE AS LOW AS PRACTICABLE.
12. PROVIDE STATE-OF-THE-ART INSTRUMENTATION FOR RADIOLOGICAL MONITORING OF THE MARSHALLESE AND THEIR ENVIRONMENT.

DOE ARCHIVES

13. STUDY METHODS FOR REMOVAL OF RADIONUCLIDES IN SOIL THAT MAY BE APPLICABLE TO AN ATOLL ENVIRONMENT.
14. STUDY THE ENVIRONMENTAL IMPACT OF DEBRIS DISPOSAL IN THE TEST ATOLLS.
15. SUPPORT STUDY OF METHODS FOR MINIMIZING THE LEVELS OF RADIONUCLIDES IN FOOD GROWN AT BIKINI AND ENEWETAK ATOLLS.
16. STUDY THE DIETARY AND LIVING PATTERNS OF TEST ATOLL PEOPLES.
17. STUDY HOW RADIONUCLIDE LEVELS ARE CHANGING WITH TIME IN THE TEST ATOLLS.
18. APPLY NEW MONITORING TECHNOLOGIES WHEN APPLICABLE.
19. EVALUATE RADIOLOGICAL ASPECTS OF COPRA PRODUCTION IN THE TEST ATOLLS.
20. PROVIDE A LONG RANGE PLANNING FUNCTION DESIGNED TO FORESEE ANY FUTURE RADIOLOGICAL PROBLEMS IN THE MARSHALLS.

DOE ARCHIVES

# MARSHALL ISLANDS

## RADIOLOGICAL SAFETY PROGRAM

CONTINUING EFFORTS IN PACIFIC

CONTRACTOR SUPPORT  
X 1,000

<u>LAB</u>	<u>FY 77</u>	<u>FY 78</u>	<u>FY 79</u>	<u>FY 80</u>	<u>FY 81</u>
BNL *	140	150	200	250	250
U OF W **	50	50	200	250	250

\* TERRESTRIAL ENVIRONMENT SURVEY AND EVALUATION OF RADIOLOGICAL  
CONDITIONS.

\*\* MARINE ENVIRONMENT SURVEY AND EVALUATION OF RADIOLOGICAL  
CONDITIONS.

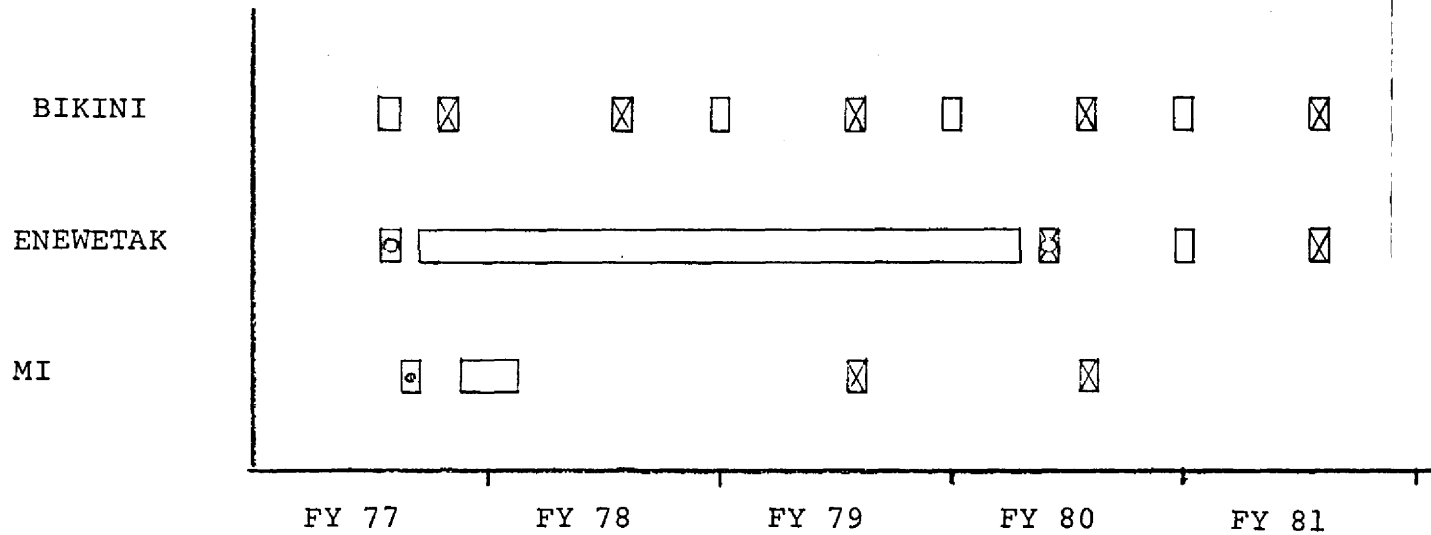
NEW PACIFIC PROJECTS

1. THIRTEEN ATOLL SURVEY - BNL, U OF W, LLL, EGG.
2. ENEWETAK CLEANUP AND REHAB RADIOLOGICAL SUPPORT - EGG, EIC.
3. AIR SAMPLING, ENEWETAK AND BIKINI ATOLLS - BNL.
4. RADIATION DOSE PROJECTIONS, AND DIETARY PATHWAY AND AGRICULTURAL PRODUCT STUDIES - LLL.

DOE ARCHIVES



SCHEDULE  
PACIFIC FIELD OPERATIONS



- SURVEY TEAM VISIT.
- ⊙ PHOTO SURVEY.
- ⊞ BASELINE SURVEY.
- X BRIEF ON PREVIOUS SURVEY

## DISTRESS POINTS

1. REEVALUATION OF RADIOLOGICAL CONDITIONS IN BIKINI ATOLL AND ADVICE AND INFORMATION FOR THE BIKINI PEOPLE.
2. EVALUATION OF FINDINGS OF ELEVATED LEVELS OF PU 239,240 IN URINE OF BIKINI RESIDENTS AND ADVICE AND INFORMATION FOR THE BIKINI PEOPLE.
3. FUNDING FOR RAD SUPPORT - ENEWETAK CLEANUP AND REHAB.
4. FUNDING FOR ERDA PORTION OF 13 ATOLL SURVEY.