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Department of Energy
Nevada Operations Office
P.O. Box 14100
Las Vegas, NV 89114

JUL 17 1978

Attendees

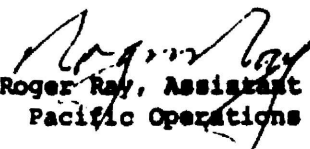
CNO (OP-40B)

ERSP Manager, Enewetak, MI

W. J. Stanley, Dir., PASO, Honolulu, HI

NORTHERN MARSHALLS SURVEY MEETING

A meeting was held at NV July 7, 1978, to review status of planning for the Northern Marshalls Radiological Survey. Summary minutes are forwarded herewith.


Roger Ray, Assistant for
Pacific Operations

Enclosures:

1. Meeting Minutes
2. List of Attendees
3. Survey Sequence of 6/29/78

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MINUTES OF THE NORTHERN MARSHALL SURVEY
DOE, LAS VEGAS OPERATIONS OFFICE
JULY 7, 1978

Roger Ray opened the meeting with introduction of attendees (see Attachment A).

1. A review of the Air Photo Mission by PMTC and EG&G was presented. It was concluded that the mission is still scheduled for the 25th of July, with the following comments:
 - a. PMTC requested that an official NV commitment to this schedule be provided to Capt. McClary.
 - b. A final decision should be made by the DOE Project Manager on what series will be first so the photo mission can follow, as much as possible, the same sequence.
 - c. PMTC has, as yet, received no money for photo mission, but this problem cannot be solved here.
2. A review of the ship's readiness was provided by PMTC, MSC. The ship is still scheduled out of the shipyard the 7th of August.
3. Post shipyard preparations and schedule review provided the following revised schedule:

*AUG 1	HC-1 group at LV for equipment fit and check
**AUG 7	Shipyard work complete
AUG 8 & 9	Fuel and stores
AUG 11	Load spare parts (north island)
AUG 12 & 13	HC-1 crew briefings
AUG 14, 15, 16, 17	Flight training
AUG 17 (night)	Depart for Pt. Hueneme
AUG 18-24	Pt. Hueneme - Load gear for technical survey - EG&G & LLL
***AUG 25	HC-1 load SH-3's
AUG 26	Ship departs Pt. Hueneme for Honolulu

Enclosure 1

*NV (Roger Ray) will officially request HC-1 participation in this exercise.

**LLL (Bill Robison) will provide the backhoe and mule at North Island for the lifting exercise to be held during HC-1 training period.

***PMTC (Twain Lockhart) will check to determine if Helos can load on the USNS Wheeling while at dockside at Pt. Hueneme.

4. The Daily Operations Concept, Personnel Scheduling, General Plan and Survey Sequences, and KMR Requirements were reviewed by all participants with only minor comments made.
 - a. NV will provide to PMTC a list of technical support personnel scheduled for the first series, to include social security numbers and next of kin.
 - b. At the next scheduled meeting, berthing locations for survey personnel will be determined.
 - c. For current planning, the first series will be as stated in Attachment B.
 - d. Requests for area access to KMR will be separately initiated by the DOE and DON.
5. PMTC will determine whether the communications center aboard ship will be manned 24 hours a day. NV will provide ten (10) handle talkies and two (2) base stations for communication between ship and shore parties. EG&G will work with PMTC on frequency compatibility.
6. A discussion concerning the Radiological Safety was conducted with Bruce Church, the Chief of the Radiological Branch of NV, providing his input and recommendations, along with PMTC, resulting in the following comments:
 - a. No radiological health hazard is to be expected in this operation. However, provision must be made for thorough documentation of radiological conditions.
 - b. A radiological annex for the Operations Plan will be drafted by NV for issuance by appropriate Navy authority.
 - c. The radiological safety responsibility for all Navy participants is a Navy responsibility. Radiological responsibility for DOE and its contractors will follow established DOE policy.

- d. PMTC is concerned about the ship bringing samples back and off-loading them at Pt. Hueneme. This will not be done. All sample shipments will be arranged by DOE.
7. A review of the add-on projects shows the following:
- a. One or two scientists from Bowling Green University for rat collection. Conducted on a non-interference basis. The series is still unknown--probably the second and third.
 - b. One (1) Public Health Doctor, University of Georgia, to study parasites in Rongelap and Utirik populations (Series I).
 - c. Medical Program - Dr. Grant of BNL, with a nurse, will accompany the first series.
 - d. Medical support for ship - One (1) physician for the two remaining series that Dr. Grant is not on. PMTC will let NV know if there will be a nurse/paramedic aboard ship.
 - e. Roy Pace of SAMSO gave a briefing on a proposed add-on project to be conducted on the second series. It involves the placement of five (5) transponders on five (5) islands, with three (3) men supporting the project and the use of the SH-3's. It was recommended that he write a letter to CNO-DON and DOE requesting this.
8. A review of equipment and storage containers resulted in the following:
- a. An 8x8x20 freezer box will be furnished by LLL to MSC for installation aboard ship at shipyard.
 - b. An 8x8x20 storage box will be put aboard ship by MSC (to be furnished by PMTC).
 - c. Storage space below deck (old film processing room) will be provided to LLL.
 - d. EG&G furnished a drawing to PMTC showing the space required for their equipment.
 - e. An additional DOE Whaler will be provided at Kwajalein, thus requiring storage space and tie down aboard ship. Will be provided by PMTC.

f. Tie downs are required for the backhoe and mule, that will be provided by LLL, to be installed either at shipyard or Pt. Hueneme.

9. A discussion was held referencing the Public Information Plan with little or no resolution. Further Washington direction is required.

A meeting will be hosted by PMTC at Alameda Naval Air Station on the 20th of July, 1978. The agenda will include the following items:

- Operational Schedule
- Embarkation Schedule
- Public Information Plan
- A Ship Visit
- Communications
- Funding
- A Review of Technical Support Items
- Radsafe Responsibilities

Attachments:

- A. List of Attendees
- B. Survey Sequence of 6-29-78

LIST OF ATTENDEES

Northern Marshalls Survey Meeting
July 7, 1978

<u>NAME</u>	<u>ORGANIZATION</u>
E. Wayne Adams	DOE/NV
Rick Betteridge	DOE/NV
Robert Keller	DOE/NV
Roger Ray	DOE/NV
John Stewart	DOE/NV
Len Arst	DOE/HQ (EV)
Tommy F. McCraw	DOE/HQ (O&S)
Richard O. Arvizu	DOE/HQ (SAMSO)
Harry Brown	DOE/PASO
Philip Boyns	EG&G
Roy E. Lawson	EG&G
Robert A. Meibaum	EG&G
John Tipton	EG&G
William L. Robison	LLL
LCDR Robert C. Vail	DON/CHINFO
Frank Agapoff	PMTc
Twain C. Lockhart	PMTc
Byron Robinson	PMTc
LCDR Larry Sutton	MSC PAC
Lt. Alan Hager	HC-1
Roy T. Pace	Aerospace Corp.
R. C. Brabec	Dynalectron
John H. Donn	Dynalectron

Enclosure 2
Attachment A

JUNE 23, 1978

PROPOSED SURVEY PROGRAM
 METEOROLOGICAL SUPPORT

ITINERARY

- 1 day travel to Rongelap (20 hrs. travel)
 - 7 days survey Rongelap Atoll
 - 1 day pack and depart for Rongerik (6 hrs. travel)
 - 5 days survey Rongerik Atoll
 - 1 day pack and depart for Bikar (15 hrs. travel)
 - 3 days survey Bikar Atoll
 - 1 day pack and depart for Utiirik (7 hrs. travel)
 - 4 days survey Utiirik Atoll
 - 2 days survey Fata (includes packing and travel)
 - 1 day travel to Kwajalein
 - 26 days total
- Crew change at Kwajalein.

Enclosure 3
 Attachment 5

2. SUMMARY

- 1 day travel to Ailinginae (16 hrs. travel)
 - 5 days survey Ailinginae Atoll
 - 1 day pack and depart for Ailuk (1 day travel)
 - 6 days survey Ailuk Atoll
 - 1/2 day pack and depart for Nejit
 - 1 day survey Nejit Island
 - 1 day pack and depart for Jemo
 - 1 day survey Jemo Island
 - 1/2 day pack and depart for Likiep
 - 7 days survey Likiep Atoll
 - 1 day pack and depart for Kwajalein (1 day travel)
-
- 25 days total

3RD SERIES

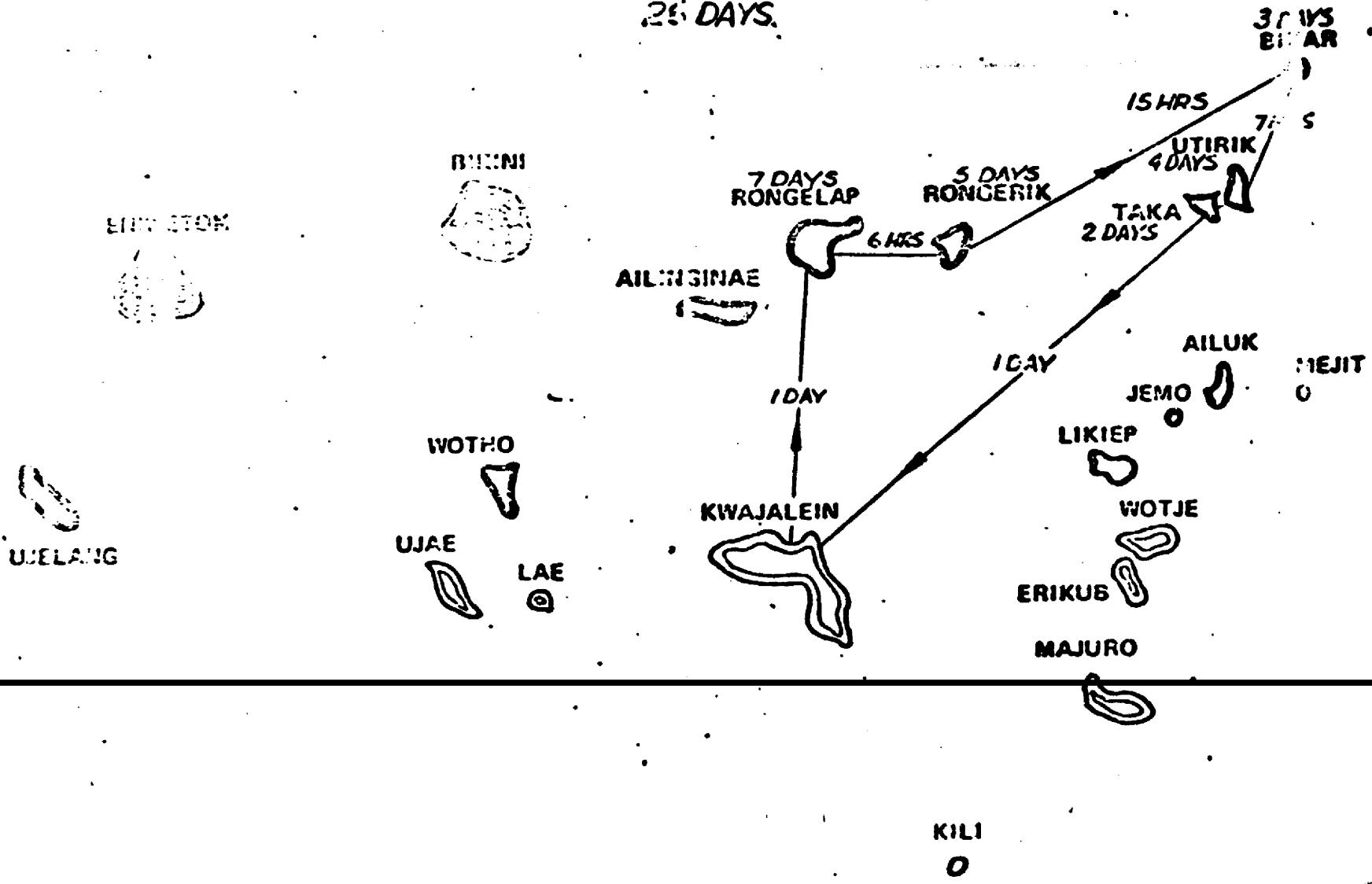
- 1 day travel to Bikini (1 day travel)
- 12 days survey Bikini Atoll
- 1 day pack and depart for Ujelang (1 day travel)
- 5 days survey Ujelang Atoll
- 1 day pack and depart for Notho (20 hrs. travel)
- 4 days survey Notho Atoll
- 1 day pack and depart for Kwajalein (16 hrs. travel)
- 25 days total
- Crew change and off-load samples at Kwajalein.

26 1ST SERIES
25 2ND SERIES
25 3RD SERIES
76 DAYS TOTAL

ATOLLS CONTAMINATED BY FALLOUT

1ST SERIES

25 DAYS.



ATOLLS CONTAMINATED BY FALLOUT

2ND SERIES

25 DAYS

BIKAR

UTIRIK

TAKA

RONGERIK

RONGELAP

EIKINI

5 DAYS
AILUK

1 DAY

6 DAYS
AILUK

1 DAY
EJIT

16 HRS

1 DAY
EMO

3 HRS

61 S

7 DAYS
LIKIEP

3 HRS

WOTHO

KWAJALEIN

1 DAY

WOTJE

UJAE

LAE

ERIKUB

MAIURO

KILI

61 S

61 S

ATOLLS CONTAMINATED BY FALLOUT

3RD SERIES
25 DAYS

