

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS PACIFIC AIR FORCES
APO SAN FRANCISCO 96553



REPLY TO
ATTN OF

SGAM (Lt Col Lund, 4499207)

28 JAN 1977

SUBJECT

Support Requirements for Enewetak Clinic and Lojwa Medical Aid Station

Pacific Support Division
Field Command
Defense Nuclear Agency
Hickam AFB HI 96553

1. FCDNA CONPLAN 1-76, revised 15 Sep 76, tasks PACAF to provide medical services in support of a DNA task force to clean up debris and radioactivity on Enewetak Atoll. To provide this support, a clinic will be established in the 2,000 sq ft space offered in Building 603 on Enewetak Island and a medical aid station on Lojwa Island. The USAF Clinic has been tasked with administration of this project.

2. The following civil engineering, communication, and materiel support is requested to provide adequate medical facilities on Enewetak Atoll. It is our understanding the cost of providing this support will not be billed to the USAF Medical Service.

a. Floor Plan for the Enewetak Clinic and Lojwa Medical Aid Station. Partition the 2,000 sq ft area of Building 603 on Enewetak allotted for clinic use into patient care areas as indicated in the attached sketch. (See Atch 1). A building will have to be provided for the Lojwa medical aid station. This building should be partitioned and outfitted in accordance with the floor plan as shown in Atch 2.

b. Floor. Existing asphalt tile floor in Building 603 is adequate except that broken and chipped tile should be replaced. Our concern is that the floor can be kept clean, is free of cracks or chipped areas which will trap dirt, and that it can be washed frequently with a disinfectant without becoming damaged. For the Lojwa medical aid station, an asphalt tile floor over a wood sub-floor is acceptable. A drain line will have to be installed beneath the floor in the Enewetak Clinic dental treatment room.



c. Partitions, Walls and Ceilings. Dry wall partitions are recommended. Finish on walls should be washable. Light pastel colors are acceptable except that light yellow should be avoided in the doctor's and technician's office, the emergency room and the ward. White is recommended for the emergency room. Specifications for lead lining the x-ray area is included in Atch 4. The sterilizer partition should be insulated to keep heat generated by sterilizer from moving into the emergency room.

d. Plumbing and Sinks. Install and plumb sinks in areas indicated on the attached sketches of the clinic and aid station floor plan. Sinks in the emergency rooms should be equipped with knee operated faucets and plaster traps. Faucets with threads for a hose connection should be provided on the exterior wall near the emergency room entrance at both the clinic and aid station.

e. Doors. Double entry doors are not required but are satisfactory if existing. A 3' 10" single door at entry penetrations is adequate. A minimum door width of 40" is required to move x-ray room equipment in and out of the building. The door to the sterilizer room should be vented.

f. Electrical Power Requirements.

(1) Electrical requirements for the x-ray, dental operating unit and sterilizer are shown in the attachment describing these items. (See Atch 4).

(2) Wall outlet receptacles should be 115V AC, 60Hz, 15Amp single-phase duplex outlets--no more than two on any branch circuit. Locations for electrical outlets are shown on the floor plan for the Lojwa medical aid station and in the detailed sketches of the separate rooms in the Enewetak Clinic. (See Atchs 2, 4 & 5). Location of electrical outlets in the administrative and waiting areas of the Enewetak Clinic are shown in Atch 1.

g. Emergency Electrical Power. The clinic should be wired to permit hook-up of an alternative source of electrical power. A stand-by generator of sufficient size to operate the x-ray and emergency equipment and light exit signs must be made available in the event the primary electrical power supply fails.

h. Lighting. Lighting is required in accordance with standards as listed in AFR 88-50. Requirements for the various patient care and service areas have been extracted from the regulation and are included as Atch 3. Include sufficient lighting in the rooms to meet these standards.

Storage battery powered emergency lights should be provided in the patient care and service areas to augment emergency lighting and for continuity during the interim of switching from normal to emergency electrical power. Electrical outlets must be appropriately placed to provide power for charging these battery powered lights.

i. Air Conditioning and Exhaust Fans. An external air-conditioner of sufficient size to cool the 2,000 sq ft clinic area is required for the Enewetak Clinic. We estimate a maximum of 28 people will be in the clinic at any one time. Exhaust fans should be included on the outside walls in the laboratory, sterilizer, x-ray dark room and toilet areas to vent the excess heat and odors. The exhaust fan to the dark room must be light tight. Cool air should be ducted into each of the rooms through ceiling duct work. At the Lojwa medical aid station, window air-conditioners will be adequate if a central unit is not available.

j. Decontamination. Decontamination of injured personnel would be accomplished at the established decontamination sites. Operating procedures will have to be developed at Enewetak which prescribe handling and movement procedures for patients who cannot be completely decontaminated. Depending on the procedures developed, an additional facility may be required to hold and treat these patients.

k. Veterinary Services Work Space. A work area to include a desk, chair and adequate lighting should be provided for the veterinary technician in the commissary cold storage area.

l. Telephones.

(1) Enewetak - two lines are required. Line one for administrative use on camp, preferably with capability of contact with USAF Clinic Hickam, Hickam AFB, Hawaii. Line two should be designated for "emergencies" with an instrument in the administrative area. Line one with seven instruments should be keyed with an intercom to the dental office, pharmacy, laboratory, doctor's office, emergency room, holding area, and administrative area.

(2) Lojwa - one line with contact capability to Enewetak Clinic. Two instruments, one in office and one near radio in emergency room with headset and 20 feet coil cord.

m. Radios.

- (1) Enewetak - locate base station between center pillars (see overall sketch) with two portables.
- (2) Lojwa - locate base station in emergency room next to hall with two portables.
- (3) Antennas should be suitably installed.

n. Dental Air Compressor. To be Air Force furnished and installed outside of clinic area near DTR (Dental Treatment Room). A cement platform and cover should be provided to protect the compressor from the elements. As an alternative, the compressor could be placed in enclosed, un-air conditioned area adjacent to the dental treatment room. Electrical requirements for the compressor are: 115V, 60Hz, single phase, 1840 watts, 1 H.P. motor. See attachment 4 for demensions and skid pallet size.


o. Dental Treatment Room, Radiology Area Equipment and Sterilizer Installation Instructions. Atch 4 details the dimensions, electrical requirements and installation diagrams for equipment located in this area.

p. Electrical Outlets, Work Counters, Shelving, Sinks and Cabinetry Detail. Enewetak Clinic electrical outlet, work counter, shelving placement, and sink locations for the physician's office, technician's office, pharmacy, emergency room, laboratory, 4-bed holding area, toilet and storage area are included in Atch 5. Sink locations are also shown in smaller detail in Atchs 1 and 2. Electrical outlet, sink, counter and shelving requirements for the Lojwa medical aid station are shown in Atch 2.

q. Furniture and Administrative Equipment. Following furniture is requested. If available at site, USAF Clinic Hickam should be advised.

	<u>Enewetak</u>	<u>Lojwa</u>
(1) Desks, standard size, 30" x 60"	2	1
(2) Desks, small, approximately 30" x 45"	4	1

	<u>Enewetak</u>	<u>Lojwa</u>
(3) Chairs, rotary w/arms	5	2
(4) Chairs, rotary without arms	1	0
(5) Chairs, straight (side chair)	9	2
(6) Waiting room furniture seating space	10	4
(7) Refrigerators, 12 cu ft, w/2 cu ft freezer	3	2


 JACK C. MCPHEE, Colonel, USAF, MSC
 Director, Medical Admin Services
 Office of the Command Surgeon

5 Atch

1. Sketch of Enewetak
Clinic Floor Plan
2. Sketch of Lojwa Aid
Stn Floor Plan
3. Lighting Stds - Patient
Care Areas
4. Enewetak - Rqmts for
Dental & Radiology Dept
5. Enewetak - Rqmts for
Drs & Tech Office, Pharmacy,
Lab, ER, Toilets, 4-Bed
Holding Ward & Storage

Cy to: HQ USAF/SGXO
 HFO/WR
 USAF Clinic Hickam/SG
 HQ PACAF/XPPF