

FACT SHEET

SUBJECT: Boken (Irene) Subsurface Contamination

PURPOSE: To provide current status of Boken (Irene) subsurface TRU soil contamination.

BACKGROUND:

- a. Boken surface contamination meets Condition B (80 pCi/gm).
- b. There are three areas of subsurface soil TRU contamination that exceed Condition D (160 pCi/gm) for a total estimate volume of 1406 cy (See Encl 1).
- c. The original excision plan was to begin in Sep 78; however, birds (Sooty terns) moved onto the island in late Aug 78 for annual nesting. Eggs were layed at a minimum density of one per square meter. Nests, eggs and chicks have covered the excision area and haul road since Sep 78 thus delaying soil removal efforts.

DISCUSSION:

- a. The soil excision operation will involve one front loader, two five ton dumptrucks and one bulldozer.
- b. Each of the three areas to be excised is less than 2230 ft² and the maximum depth of cut is 80 - 120 cm (2.6 - 4.0 feet).
- c. The work force will be drawn from USAE elements presently on Enjebi as Enjebi soil excision is 98% complete.
- d. The haul road from the excision site to the beach stockpile area will be levelled by bulldozer. The beach area will require minor bulldoze preparation for vehicular traffic. Experience indicates the tactical four wheel drive five ton dumptruck will encounter no trafficability problems on the beach.
- e. Although the Boken shallow water approaches constrain LCU and LCM 8 movement as severely as Aomon (Sally), the small amount of soil to be excised will be stockpiled rapidly and total transport time for all the soil will not exceed sixty days. In any fourteen day period, at least four days will not have a daylight high tide window adequate to allow access, loading and egress of soil haul craft.

STATUS:

- a. As of 25 Nov 78 few eggs are evident in the excavation area and the the chicks are mobile enough to move out of the way of heavy equipment.

TAB I

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FCRE
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b. MPML has no objections to the immediate start of operations and has indicated that new nesting should be anticipated.

c. The soil excision and stockpiling to begin week of 4 Dec 78.

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BOKEN SUBSURFACE

OUTLINED AREAS > 160 pCi/gm
NUMBERS INDICATE DEPTH OF
CONTAMINATION

2.0

1.5

1.0

13.0

12.5

12.0

1413

