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Achieve File ID: 181-6040269 #4

Title: Concentrations of Rad Mat for liquid waste

Serial No: 7-730-106

Pages: 1

Notes: Disposal of liquid waste into the Bay

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3-730-106  
ALB:ams

3-100 (s) *H* 2

AUG 19 '54

From: Director, U.S. Naval Radiological Defense Laboratory  
To: Commanding Officer, San Francisco Naval Shipyard (Attn:  
Radiological Safety Officer, Code 125)

3-120 -----  
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Subj: Concentration of radioactive material for liquid waste  
disposal into Bay waters; limits on

3-140 -----  
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Ref: (a) SFNS memo of 2 Aug fr Rad Safe Officer to Med Dir., NRDL

3-141 -----  
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1. As requested in reference (a), approval is granted for the liquid waste disposal procedures outlined therein. For legal-medical purposes it is requested that a log be maintained of the volume of liquid dumped and its average specific activity. This log is required for use as a record so that a report summarizing the total volume of liquid waste discharged into the Bay and the associated amount of contamination may be made at the conclusion of the YAG decontamination operation.

3-200 -----  
3-210 -----  
3-220 -----  
3-240 -----

2. It is further recommended that a sample of the Bay water be taken once each week in the vicinity of the dumping area and analyzed for its specific activity. If the sample shows a specific activity greater than  $1 \times 10^{-5}$  uc/cc, all liquid waste dumping into the Bay should be suspended until the problem can be re-evaluated.

3-250 -----  
3-280 -----

3. In regard to the dumping of contaminated sand into the Bay, it is recommended that all local "hot spots" be removed by controlled techniques so that the contaminated sand will be recovered. After removal of all local hot spots, the balance of sand remaining from the decontamination operation may be washed directly into the Bay. A study is being made to determine the precise definition of a "hot spot" in terms of size and radiation level. Additional details on this problem will be forwarded in the very near future.

3-700 -----  
3-710 -----  
3-730 (R) *L* 1  
3-900 -----

R.A. HINNERS

3-920 -----  
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*1 copy sent to OPNIS Code 418  
15/11/55 ghl*

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3-930 -----  
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3-940 -----

3-950 -----  
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*19 Aug 54*