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Title: YAG 39:40, CONTAMINATION LIMITS OF WASTE DISPOSAL TO BE DUMPED INTO BAY WATERS

Serial No: 42961

Pages: 3

Notes: NRDL

INCOMING ROUTE SHEET
12ND 3945 (REV. 4-53)

NUMBER

42961

U. S. NAVAL RADIOLOGICAL DEFENSE LABORATORY
SAN FRANCISCO 24, CALIFORNIA

OUR FILE NUMBER 890/1-3	THEIR FILE NUMBER 125	SERIAL NUMBER	DATE RECEIVED 3 Aug 54
FROM SFMS			DATE 2 Aug 54
TO NPD			
SUBJECT YAG-39 & YAG-40, Contamination Limits of waste disposal to be dumped into Bay Waters.			
ENCLOSURES none			NO. COPIES RECEIVED 1
ENDORSEMENT			NO. ENCL. RECEIVED 0
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ACTION

CODE 3-901

CODE	INITIALED		REMARKS
	BY	DATE	
3-901	RCL	8/4	Action assigned to Code 3-700
3-705	RCL	8/4	
3-900			
3-700	RCL	8/5	
3-930	RCL	8/12	
A 3-730			Answered 8-16 See ltr 3-730-106 Att:ans
			... AUG 19 '54

CLASSIFICATION

ROUTE SHEET NUMBER

42961 ✓

RETURN ROUTE SHEET TO CODE 3-213A

*NAVY-MI-DPPO12ND

890/1-3

2 Aug 54

19011-3

42961 A3-901

ADDRESS REPLY: 3-930
COMMANDER
CODE NO. 3-700
AND REFER TO FILE 3-700

SAN FRANCISCO NAVAL SHIPYARD
SAN FRANCISCO 24. CALIFORNIA

125

2 August 1954

MEMORANDUM

From: Radiological Safety Officer, San Francisco Naval Shipyard
To: Medical Director, Naval Radiological Defense Laboratory
Via: Medical Officer, San Francisco Naval Shipyard

Subj: YAG-39 and YAG-40, Contamination limits of waste disposal to be dumped into Bay Waters

Ref: (a) BUMED Conf Disp 161931Z of June 1954 to NRDL info to SFNS

1. At a meeting of the Shipyard Radiological Safety Group on 27 July 1954 various methods of decontamination of the subject vessels were discussed. In general, it appears that the practicability of any of the methods proposed is a function of the problem of collection and disposal of the contaminated waste material and wash solutions. It was proposed that the practical method of disposal would be to dilute the contaminated wash solutions to the point where they could be safely dumped into the bay.

2. The following procedure for waste disposal is recommended on the YAG-39 and YAG-40.

- a. Water which is contaminated less than 10^{-4} microcurries per cubic centimeter will be dumped directly into the bay.
- b. Water contaminated to a greater degree than this limit will be collected, diluted to within this limit and then dumped into the bay.
- c. Waste disposal which cannot be diluted practically to within the above limit will be collected, sealed in metal containers and delivered to the YGN-73 for dumping at sea.

3. In accordance with reference (a), an interpretation of NavMed P-1325 is requested for the disposal of waste material on the subject vessels. Specifically, answers to the following questions are desired.

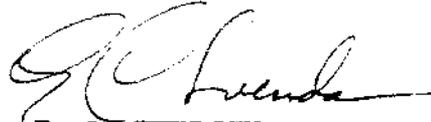
- a. Are the limits recommended in paragraph 2 above satisfactory? If not, what safe limits or what additional precautions (e.g., dumping only during periods of ebb tide) should be established?
- b. After removal of most of the topside "hot spots" on the two vessels it is planned to wet sand blast the superstructure areas and the hull above the water line. What contamination limits should be established for the sand to allow washing it directly into the bay?

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Subj: YAG-39 and YAG-40, Contamination limits of waste disposal to be dumped into Bay Waters

4. An early answer to the above questions is requested since any large scale decontamination is necessarily limited by the efficiency of the waste removal method.



E. C. SVENDSEN

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