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SAN FRANCISCO NAVAL SHIPYARD
SAN FRANCISCO, 24, CALIFORNIA

C-P2-4(45225)
(390)/Wn



From: Commander, Naval Shipyard, San Francisco, California
To: Commander, Naval Shipyard, Mare Island, Vallejo, California
Subj: Recommended Radiological Safety Precautions and Procedures for Personnel Working on U.S.S. TUNA (SS203) and U.S.S. SEA RAVEN (SS196)
Refs: (a) Mare Island Naval Shipyard Conf ltr PS/S99(212-820667) dtd 29 July 1947.
(b) BuShips Conf dis 282147 July.
(c) Joint BuShips - BuShd Conf ltr All/CROSSROADS/C-3(99)-(0) dtd 22 Nov 1946.
(d) Joint BuShips - BuShd Conf ltr C-3(99)(0)(180-a) dtd 17 Dec 1946.
(e) BuShips dis 141610 March.
(f) BuShd Conf ltr ENLO RadSafe over P2-4 dtd 31 Jan 1947.

1. Reference (a) requested recommendations by this shipyard for modifications of the safety regulations comprising enclosure (A) of reference (a).

2. In view of reference (b), which, for the purposes of radiological safety, classified the subject vessels along with Bikini non-target vessels, modifications to enclosure (A) of reference (a) are recommended in accordance with the request of reference (a). These modifications are possible in that the safety precautions in reference (f) applying to Bikini target vessels are more stringent than those specified in references (c) and (d) for Bikini non-target vessels.

(a) Although not specified by reference (c) complete physical examinations are considered advisable since it has been the experience at this shipyard that men working on non-target vessels are prone to attribute health disorders to such experience. Records of physical examinations prior to work on contaminated vessels are thus valuable evidence.

(b) A decontamination center is not specified by reference (c), but facilities for separate laundering of clean clothing issued daily to workmen should be provided. Upon completion of the work on the two submarines the clothing and laundry facilities used should be monitored. The Radiation Laboratory is prepared to assist in the monitoring and to advise as to the final dis-

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IAW OPNAVINST 5513.16

Signature: James Chater CAPT USN

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position of the contaminated clothing and decontamination of the laundry facilities.

(c) To prevent possible contamination of the shipyard canvas "booties" should be worn by workmen in the contaminated area.

(d) A film badge should be issued for wear at weekly intervals for each workman. It should be turned in at the end of each work day for reissue at the start of the next day. At the end of the weekly interval the badges may be turned over to the Radiation Laboratory for processing. New supplies of film badges may be obtained from the Radiation Laboratory as required.

(e) All tools used on board the vessels should be issued by the shipyard.

(f) Army combat Type M-11 masks and goggles should be carried by each workman. RBA masks should be worn by individuals working in compartments containing noxious gases or where oxygen deficiencies exist. The Army masks should be worn during chipping, burning, welding operations or under dusty conditions. The substitution of RBA masks by the Army masks under these conditions is permitted by reference (e).

(g) Smoking may be permitted on the dock after thoroughly washing the hands with soap and a brush. Before using the head the same precautions must be observed.

(h) After the changing to personal clothing as described above, the hands, fingernails, face, hair, and scalp should be thoroughly washed with soap and water.

PHILIP LEMLER



J. J. YEE
By direction