



DEPARTMENT OF THE NAVY  
HUNTERS POINT NAVAL SHIPYARD  
SAN FRANCISCO, CALIFORNIA 94135

IN REPLY REFER TO:  
NAVSHIPYDHUNTERSPTINST 5100.11B  
200

1 December 1971

NAVSHIPYDHUNTERSPT INSTRUCTION 5100.11B

From: Commander, Hunters Point Naval Shipyard

Subj: Contamination from Shipboard Components Containing Radioactive Luminous Materials; control of

Ref: (a) NAVELEXINST 5100.1  
(b) NAVELEXINST 5100.2  
(c) NAVMED P-5055 (1964)  
(d) NAVSHIPYDHUNTERSPTINST 5100.4

1. Purpose. To establish a procedure for the protection of shipyard and military personnel in the method of handling radioactive luminous materials aboard non-nuclear surface craft and fleet submarines.
2. Cancellation. NAVSHIPYDHUNTERSPTINST 5100.11A
3. Scope. By concurrence of SUPSHIP Twelve, the provisions of this directive also apply to all elements of his organization.
4. Background. Reference (a) requires that radiological surveys be conducted and that all radioactive luminous items be removed, unless operationally essential. Reference (b) provides guidance on procedures to be used for the safe handling and disposal of these items. Reference (c) is the Radiation Health Protection Manual which provides labeling and personnel protective procedures for radioactive materials. Reference (d) is the Shipyard Ionizing Radiation Control Manual, which promulgates controls.

5. Responsibilities.

\* a. Medical Officer. Radiation Health Division (Code 740) shall:

(1) Conduct, within seventy-two hours of the arrival of a ship with an availability of two weeks or more, a radiological survey of that ship.

(2) Tag all radioluminous components with a 12ND SFBNS 6260/2 "Caution Radioactive Material."

(3) Forward list of all radioactive components found during survey to the ship's Commanding Officer and the applicable Type Desk Officer. Forward info copies to Codes 330, 920, 930, 950, 970 and 540.

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(4) Assist Shop 72 as required during removal and decontamination of components.

b. Planning Officer.

(1) Type Desks/Ship Management Officers. Immediately upon receipt of report from Radiation Health Division, shall:

(a) Provide copies of the report to the Job Planners under whose cognizance the listed material falls.

(b) Notify the Type Commander of the list by message or speedletter with interim telephone contact and confirm if he wishes to decontaminate or replace those items listed but not previously authorized for repair.

(c) Arrange for TYCOM funding increase to cover approved work.

(2) Job Planners and Estimators shall:

(a) Review report and provide estimate to cognizant Type Desk.

(b) Review authorized work immediately upon receipt of report for any component listed that is scheduled for repair, calibration of replacement.

(c) Issue Job Order Supplements on End-Use Job Order to provide coverage to applicable shops, as necessary; designate contaminated components that are to be forwarded to the Supply Department for disposition. Include "radioactive" overlay on Job Order.

c. Production Officer.

(1) Shop 72, when authorized by Job Order, shall:

(a) Transport contaminated items from ship to authorized decontamination and/or storage areas - Building 146.

(b) Decontaminate radioactive luminous materials in an authorized decontamination area under the surveillance of the Radiation Health Division (Code 740).

(c) Transport decontaminated items to ship or shop concerned for additional work and/or installation.

(d) Forward contaminated components designated for replacement directly to authorized radioactive waste storage areas for disposition by the Supply Department.

(2) Production Shops (as applicable) shall disconnect, disassemble, and provide technical assistance on radioactive luminous components as requested by Shop 72.

(3) Repair Officer (Code 330) shall accept only Job Orders issued by Planning for the specific work authorized. Assist Ships Force Job Orders will not be accepted by the Repair Officer or Ship Superintendent.

d. Supply Officer, Technical Division (Code 540) shall arrange for disposal of designated contaminated components as required.

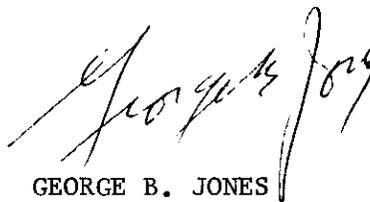
e. Public Works Officer, Transportation Branch (Code 452) shall provide or arrange for suitable transportation for contaminated radioactive luminous materials.

6. Form Availability. Supplies of 12ND SFBNS 6260/2 are available from Code 740, Building 214.

Distribution:

A  
B

950(75)  
970(25)



GEORGE B. JONES