



DEPARTMENT OF THE NAVY  
NAVY

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From: Chief of the Bureau of Ships  
To: Commander in Chief, U. S. Pacific Fleet (2)

Subj: Radiological Monitoring Methods

Ref: (a) CINCPACFLT CONF spltr PFI-1/L-9-3, Ser 01486  
of 7 Jul 1954  
(b) CINCPACFLT CONF MSG 120416Z of Jun 1954  
(c) CNO MSG 152102Z of Jun 1954

1. By reference (a) Commander in Chief, U. S. Pacific Fleet requested that the Bureau of Ships advise Naval Shipyards and Industrial Managers regarding radiological monitoring methods established by references (b) and (c).
2. The Bureau considers that reference (b) describes a specific situation rather than the more general situation of contamination which would be expected at least in the early stages of the decontamination effort. It is the Bureau's opinion that promulgating the reference (b) information would be potentially beneficial to the industrial activity in either planning or accomplishing decontamination of ships which may have become contaminated as a result of a wide variety of situations.
3. The Bureau concurs with the Commander in Chief, U. S. Pacific Fleet that it is necessary to provide Naval Shipyards and Industrial Managers with all newly developed information and instructions on this subject at the earliest time possible. In this connection the Bureau will issue to interested agencies a report containing the pertinent information developed as a result of the Navy participation in operation CASTLE, particularly the Bureau of Ships participation in Project 6.4 of the Operation. The decontamination of the two YAGs utilized in Project 6.4 by the San Francisco Naval Shipyard (with specialized technical guidance being provided by the Naval Radiological Defense Laboratory), will provide much valuable information on problems involved in the decontamination of ships by an industrial activity. It is planned to give much attention to the requirements for radiation monitoring in a number of diversified situations in order that monitoring

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procedures may be developed which will result in a true and realistic evaluation of the radiation hazard to industrial personnel. This information will be included in the report mentioned above. Early issuance of this report can be anticipated.

4. The Bureau of Medicine and Surgery is currently revising the "Radiological Safety Regulations", NAVMED P-1325, in order to clarify those instructions which frequently required local interpretation, such as reference (b), and to include the knowledge gained as a result of Operation CASTLE. It is anticipated that the revised edition will be completed and available for issue by 1 December 1954. Information similar to that contained in reference (b) will be included to provide examples of specific situations which may arise and the acceptable method for handling such situations.

5. In addition to the revised NAVMED P-1325 the Bureau has under preparation at the U. S. Naval Radiological Defense Laboratory, Chapter 99 of the Bureau of Ships Manual (Industrial Decontamination) which will provide detailed instructions for the radiological decontamination of ships at Naval Shipyards and Industrial Shipyards. This manual will contain all the information gained as a result of Navy participation in Operation CASTLE, as well as the results of the continuing U. S. Naval Radiological Defense Laboratory research program on this subject. When published, Chapter 99, Bureau of Ships Manual, will supersede the present Shipyard Industrial Radiological Manual. It is anticipated that Chapter 99 will be completed by 1 January 1955.

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