

BUSHIPS Code 689  
S(99) Serial 005800

NAVY DEPARTMENT  
BUREAU OF SHIPS  
and  
BUREAU OF MEDICINE AND SURGERY

BUMED  
Serial No. 005001

JOINT LETTER

FEB 18 1947

To: Commander, San Francisco Naval Shipyard.

Subj: Laboratory Facilities, San Francisco Naval Shipyard, Responsibilities and Duties Relative to Radiological Safety Instructions.

- Refs: (a) BuShips ltr, Code 180 C-NY9-1 of 18 November 1946, to Commander, San Francisco Naval Shipyard.  
(b) ComSanFranNavShipId ltr. C-S99-0-2 of 26 December 1946 to BuShips.  
(c) BuShips ltr. NE/P(789) ES28/A2-11 of 11 September 1946.  
(d) BuShips ltr. C-NY9-1(782c) of 27 December 1946 to Commander, San Francisco Naval Shipyard.  
(e) OIR ltr. OIR:440:Lmr of 30 December 1946 to Commander, San Francisco Naval Shipyard.  
(f) BuShips ltr S(99)-(0)-(1)(689) of 11 February 1947 to Commander, San Francisco Naval Shipyard.

1. Reference (a) authorized the increase of laboratory facilities at San Francisco Naval Shipyard to undertake certain original research and development concerned with the radiological safety program for the Navy. By reference (b) the Shipyard advised the Bureau of Ships that these facilities had been established and proposed establishment of positions. The proposed positions were approved by the Bureau of Ships, reference (d), and by the Office of Industrial Relations, reference (e).

2. This letter supplements reference (a), defining functions and objectives, responsibilities and phases of procedure to be followed. These instructions apply to the additional facilities established under reference (a) only and in no manner affect other laboratory facilities presently existing or which may be established under other authority.

3. Title. The radiological activities are an integral part of the organization and administrative functions of the industrial laboratory. In view of the stringent control essential for security purposes, and in order to insure that correspondence, files and other matters are not compromised, it is considered essential that the above radiological function be specifically designated. It shall be known, therefore, as the Radiation Laboratory, San Francisco Naval Shipyard. In the following it is referred to as the Laboratory for brevity.

Page 1 of 4 pages.

Copy # 1 of 1 copies.

Contains no U.S. Navy Classified Information

LAW OPNAVINST5513-16

Signature: *James C. Venter* CAPT USN

Code: N312 Q Date: 8 Feb 95

██████████

Subj: Laboratory Facilities, San Francisco Naval Shipyard, Responsibilities and Duties Relative to Radiological Safety Instructions.

-----

4. Duties. Enclosure (A) of reference (a) assigns cognizance of the various development phases of the Navy radiological safety program to the several bureaus. Reference (a) directs that the Laboratory carry out the development functions under the cognizance of the Bureau of Ships and certain of those under Bureau of Medicine and Surgery cognizance. It is anticipated in addition that investigations concerned with similar functions of the Bureau of Yards and Docks and possibly of other Navy Bureaus will be undertaken.

(a) The field of the Laboratory shall be primarily that of effects and consequences of dispersed fissionable materials, fission products or other radioactive substances present and resulting from nuclear processes on vessels, in harbors and anchorages and in shore establishments, and in corrective measures therefor.

(b) In the general category of survey for, estimation and evaluation of hazards the Laboratory will undertake investigations of:

- (1) Distribution, retention and segregation of contaminants as a function of material substance, design or form, and prevailing environment;
- (2) Chemical, physical and biological factors influencing distribution at various stages of contaminants;
- (3) Methods of field analysis including development of technical requirements for detection and measuring instruments and their evaluation.

(c) All phases of decontamination studies are within the proper field of the Laboratory. Methods and procedures shall be developed for all conditions of contamination which may be encountered in naval operations. Investigations shall include adequate studies and expansion of knowledge of scientific basis for decontamination methods.

(d) The Laboratory shall be responsible for basic development of means and devices to minimize contamination and personnel risks from contamination, e.g., protective coatings for materials, protective clothing and shielding.

(e) Within the field of biological studies and topics intimately related thereto, the Laboratory will conduct investigations under the technical supervision of the Bureau of Medicine and Surgery to provide a scientific basis for:

- (1) Establishment of safety procedures including related physiological studies;
- (2) Establishment of tolerance levels for various tactical situations;
- (3) Determination of toxicities and cellular chemical and physiological mechanisms in metabolism of radioactive substances.

██████████

Subj: Laboratory Facilities, San Francisco Naval Shipyard, Responsibilities  
and Duties Relative to Radiological Safety Instructions.

-----

4. (Continued).

(f) The Laboratory is hereby authorized to undertake any necessary basic and fundamental researches to achieve the objective listed.

5. Personnel. The Laboratory will be staffed in accordance with reference (b) insofar as can practicably be accomplished and developing requirements dictate. Variation or departure from ref. (b) will comply with the provisions of ref. (c). The provision of ref. (a) regarding Joint approval of technical personnel shall be considered satisfied for grades not covered by ref. (c) on notification of the Bureau of Ships of action taken by the Shipyard and if the Bureau does not disapprove. Matters pertaining to non-professional personnel shall be solely a Shipyard responsibility.

(a) Personnel of the Bureau of Medicine and Surgery will be provided to conduct necessary health examinations, including clinical laboratory personnel. Such personnel will report to the Commander of the Shipyard for duty in the Laboratory. This will be a supporting activity with personnel in addition to those engaged in radiological safety techniques.

6. Responsibility. The Laboratory is responsible to the Shipyard in non-technical and administrative matters. In this connection, all scientific and technical information coming under the purview of the Atomic Energy Act will be considered as technical, and of concern locally to the Laboratory only. The general program of the Laboratory will be planned by the Bureau of Ships and the Bureau of Medicine and Surgery jointly. They will state priority needs of interested Bureaus and other activities in order that the Laboratory may be properly advised. Specific projects will be planned by the Laboratory in consultation with cognizant Bureaus or other activities and will be undertaken after approval by the Bureau of Ships. In undertakings and results of joint interest to several cognizant activities, it is the responsibility of the Laboratory to assure that all are properly informed.

7. Reports. In view of the high classification of original researches which the Laboratory may undertake, reports shall be forwarded directly to cognizant activities, keeping to a minimum consistent with the Navy's interest the dissemination of such material. Reports together with conclusions of responsible and authorized personnel shall be forwarded without alteration. Interim reports shall be submitted monthly. Final reports shall be submitted promptly on completion of individual phases of projects. It shall be the policy of the Laboratory to publish all results of scientific interest and of unrestricted classification, after first obtaining proper and specifically authorized release.

8. Security. A large portion of the work in the Laboratory, the results obtained and the reports submitted will have top security classification. This classification will be not only on the basis of military requirements but also on the restricted basis required by the Atomic Energy Act of 1946 (Public Law 585). It is assumed that the policy of the Atomic Energy Commission will be promulgated in the near future and probably will be similar to that previously in force under the Manhattan Engineer District. Special clearance for all personnel will be required. The arrangements for handling of files and mailing

786

██████████

Subj: Laboratory Facilities, San Francisco Naval Shipyard, Responsibilities and Duties Relative to Radiological Safety Instructions.

-----

8. Security.(Continued).

systems must be such as to prevent routing to unauthorized persons and maintenance of files separately to insure that unauthorized personnel will not have access to them. Consequently files of this unit shall not be incorporated in the regular files of the Shipyard. Existing files shall be turned over to the Laboratory.

(a) Technical correspondence in the above described category shall be limited to handling by specifically designated section of the Bureaus and by the Laboratory, and by especially authorized individual personnel. Such direct handling by the Laboratory is hereby authorized and directed. All reports and correspondence of like security classification should be addressed to Code 400-689, Bureau of Ships, or if under cognizance of Bureau of Medicine and Surgery to the appropriate individual in care of Bused Atomic Energy Group.

(b) Security instructions for the handling of correspondence between the Bureaus and the Shipyard are given by reference (f). Further instructions will be promulgated after discussions with the Security Section of the Atomic Energy Commission.

9. Finances. Costs of research and development projects will be borne by the cognizant activities through funds provided on project orders. On problems of joint responsibility or general interest, costs will be proportioned among activities concerned. Maintenance and operating expenses in the 44,000 and 45,000 series of expenditure accounts should be financed in the same manner as other Bureau of Ships shops or offices from funds available to the Commander. The Laboratory is responsible for itemized estimates of costs, normal expenditure of funds and accountability.

/s/ E.W.Mills  
Chief of Bureau

/s/ G.M.LYON  
Captain (MC)U.S.N.R.  
By direction

CC: BuAer  
Bu I&D