



DEPARTMENT OF THE NAVY

NAVAL SEA SYSTEMS COMMAND
1333 ISAAC HULL AVE SE
WASHINGTON NAVY YARD DC 20376-0001

IN REPLY TO

NAVSEAINST 5100.18B

Ser 04N/007

23 Feb 07

NAVSEA INSTRUCTION 5100.18B

From: Commander, Naval Sea Systems Command

Subj: RADIOLOGICAL AFFAIRS SUPPORT PROGRAM (RASP)

Ref: (a) SECNAVINST 5100.10J (NOTAL)
(b) OPNAVINST 5100.8G
(c) Executive Order 12344 of 1 February 1982, Navy
Nuclear Propulsion Program
(d) NAVSEA S0420-AA-RAD-010
(e) NAVMED P-5055 (NOTAL)
(f) OPNAVINST 6470.3
(g) MCO 5104.3A

1. Purpose. To establish policy for the administration of the Radiological Affairs Support Program (RASP).

2. Cancellation. NAVSEAINST 5100.18A of 1 April 1988.

3. Background. In reference (a), the Secretary of the Navy assigned to the Chief of Naval Operations (CNO) and the Commandant of the Marine Corps (CMC) the responsibility to implement and manage Safety and Occupational Safety and Health Programs in their respective areas of command and to coordinate on matters of mutual concern. In reference (b), the CNO designated Commander, Naval Sea Systems Command (COMNAVSEASYSKOM) as the Technical Manager for the Radiological Affairs Support Program and to act authoritatively on behalf of the CNO for matters under the auspices of the RASP.

4. Scope. RASP applies to ionizing radiation sources such as Nuclear Regulatory Commission (NRC) licensed radioactive material, naturally-occurring and accelerator-produced radioactive material, radioactive waste, and machine sources such as industrial X-ray machines, particle accelerators, electron microscopes, laboratory analytical devices and all other equipment capable of producing ionizing radiation. This instruction does not apply to radioactive material

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transferred from the Department of Defense (DOD) per section 91B of the Atomic Energy Act of 1954. Nor does it apply to radioactive materials produced as a consequence of the construction, operation, servicing, or maintenance of Naval nuclear propulsion plants, reference (c). This instruction also does not apply to medical and dental sources of ionizing radiation.

5. Discussion

a. Various applications of ionizing radiation have been employed throughout the Navy and Marine Corps and are controlled through the licensing/permitting process, established standards for protection, safe operating procedures, periodic inspections, and training and emergency preparedness programs. The program is a centrally coordinated program with the radiological expertise and capability to reduce occupational exposures to radiation in the Navy and Marine Corps to a level As Low As Reasonable Achievable (ALARA).

b. RASP is composed of the following elements:

(1) Program management is provided by COMNAVSEASYSKOM. All correspondence concerning RASP policy should be forwarded to the Navy Radiological Control Program Office, addressed to Commander, Naval Sea Systems Command (SEA 04N), 1333 Isaac Hull Avenue, SE, Washington, DC 20362-5101.

(2) Technical support is provided by Naval Sea Systems Command Detachment, Radiological Affairs Support Office (NAVSEADET RASO). NAVSEADET RASO provides RASP radiological support for radiation safety programs, environmental radiation programs, low-level radioactive waste programs and training. NAVSEADET RASO is located at Naval Weapons Station Yorktown, P.O. Drawer 260, Yorktown, VA 23691-0260.

(3) Ad Hoc Working Groups are formed as needed to deal with specific issues as they arise and are comprised of specialists in the topic and affected organizations, with NAVSEADET RASO as the lead organization.

(4) Senior level management is provided at the SYSCOM, Marine Corps, and Fleet level.

(5) Command level management is provided by Commanding Officers of Ships and Shore Stations.

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(6) Technical guidance is provided in reference (d), the Radiological Affairs Support Program Manual.

c. The RASP and the Radiation Health Program are integrated at the command level to assure maximum protection of personnel, property, and the general public during routine operations and emergency situations involving ionizing radiation.

d. The Radiation Health Program, described in reference (e), includes procedures and techniques which comprise the portion of the Radiation Protection Program supported at the command level by Chief, Bureau of Medicine and Surgery (BUMED).

e. Radiation Safety Officers (RSO) are formally assigned by SYSCOMs and COs to assist them in managing specific or command level RASP programs. Responsibilities are outlined in reference (d) and include operating procedures, emergency procedures, waste disposal, instrumentation, licensing, posting of required information, instructions, records, radiation surveys, training, management review, decontamination, transportation, and source procurement. Coordination of the RASP and the Radiation Health Program shall be accomplished at the working level by the RSO. To perform the function adequately, it is necessary for the RSO to have access to information contained in the Radiation Health Program, such as records of occupational exposure to ionizing radiation, results of radiation medical examinations, dose investigations and estimates, and situational and annual reports on personnel exposure to ionizing radiation.

f. The effectiveness of the RASP depends upon aggressive command action and the assignment of Radiation Safety Officers who have the appropriate training and authority to implement the requirements and guidance provided by higher authority.

6. Responsibilities and Action

a. COMNAVSEASYSKOM, as Navy-wide program manager of RASP, will:

(1) Direct, coordinate, administer, and act authoritatively for CNO in RASP matters using established Navy capability to the maximum extent possible. COMNAVSEASYSKOM will serve as the central point-of-contact for radiological affairs support within the DON.

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(2) Provide radiological safety training within the Navy and Marine Corps to radiation safety officers, radiation safety instructors, and others. COMNAVSEASYSKOM will act as the central technical review authority for those Navy training programs involved in teaching radiological controls and radiation safety.

(3) Provide all Navy and Marine Corps activities with operational radiological assistance and safety review in the establishment, maintenance, and management of effective Radiation Protection Programs.

(4) Act as a central point-of-contact with the Navy Radiation Safety Committee to coordinate the administration of Industrial Navy Radioactive Material Permits under the NRC issued Navy Master materials license as directed in reference (f).

(5) Develop a Navy system to control radioactive material and devices which produce ionizing radiation.

(6) Provide design review of facilities to ensure the adequacy of radiological controls.

(7) Inspect Radiation Protection Programs. Copies of Radiation Health Program deficiencies will be forwarded to COMNAVSEASYSKOM.

(8) Develop and maintain a comprehensive procedural directive for the RASP, reference (d).

(9) Provide assistance on a nonreimbursable basis, when requested, to all Navy and Marine Corps activities on RASP matters. Services involving the expenditure of funds determined to be beyond the scope of available resources may require reimbursement by the requesting command.

(10) Act as the program manager for the RASP Radioactive Waste Disposal Program.

b. The Commandant of the Marine Corps establishes and maintains an effective and unified RASP in reference (g) in coordination with COMNAVSEASYSKOM.

c. Echelon 2 Commanders with activities within the scope of the RASP will:

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(1) Maintain an effective and unified RASP in coordination with COMNAVSEASYSKOM.

(2) Appoint member(s) to Working Groups on an as needed basis. The member(s) will be knowledgeable in their Command's Radiological Program and will function as liaison and central point-of-contact for radiological affairs.

d. NAVSEADET (RASO) will be the lead for any established Working Groups.

e. Commanding officers and officers in charge of Navy and Marine Corps commands will administer local RASP programs per COMNAVSEASYSKOM.



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