



UNITED STATES MARINE CORPS
MARINE CORPS RECRUIT DEPOT/EASTERN RECRUITING REGION
PO BOX 19001
PARRIS ISLAND, SOUTH CAROLINA 29905-9001

IN REPLY REFER TO:
DepO 5104.1
FPO
JAN 27 2009

DEPOT ORDER 5104.1

From: Commanding General
To: Distribution List

Subj: RADIATION SAFETY PROGRAM

Ref: (a) MCO 5104.3A, Marine Corps Radiation Safety Program
(b) U.S. Code, Title 10
(c) NAVSEA S0420-AA-RAD-010 (RAD-10), Radiological Affairs Support Program Manual
(d) OPNAVINST 6470.3, Naval Radiation Safety Committee
(e) NAVMED P-5055, Radiation Health Protection Manual
(f) NRMP 10-67004-T1NP, Naval Radioactive Materials Permit
(g) USA Permit 21-00722-06

1. Situation

a. As directed by references (a) through (g), this Order establishes policy, assigns responsibilities, provides instruction, and sets forth requirements for the administration of the Marine Corps Recruit Depot Parris Island (MCRDPI) Radiation Safety Program.

b. This Order delineates and enacts the program elements necessary to assure compliance with the references, the Federal Regulations, U. S. Nuclear Regulatory Commission licenses, the Department of the Navy's Master Materials License, Radiology Affairs Support Program, and specific Naval Radioactive Materials Permits issued to the Marine Corps. Refer to applicable technical or maintenance instructions for specific radiation safety requirements and responsibilities.

2. Mission. All Depot units, tenant commands, and contractors located on MCRDPI that acquire, possess, use, store, handle, transport, or dispose of sources of ionizing radiation in the form of radioactive materials or radiation producing equipment, are responsible for ensuring that when personnel may be exposed

to ionizing radiation, controls are in place to provide all personnel a safe environment and facilities in which to work with or around radioactive commodities.

3. Execution

a. Commander's Intent

(1) Purpose. To enhance the readiness of MCRDPI by maintaining an effective Radiation Safety Program in coordination with the Chief of Naval Operations and in compliance with permanent regulations.

(2) Method. Comply with the guidance set forth in both this Order and the regulations referenced by this Order. Furthermore, timeliness and relative consistency are expected. This includes but is not limited to:

(a) Control radioactive materials and sources of ionizing radiation in order to minimize personal exposure to the greatest extent possible, prevent contamination of personnel, equipment, and facilities, and account for a serialized inventory of devices.

(b) Conduct operations such that the total effective dose equivalent to the individual members of the public does not exceed 0.1 roentgen equivalent man (rem) (1.0 mSv) in a year and the dose in any unrestricted area from external radiation does not exceed 0.002 rem (0.02 mSv) in any one hour.

(3) End State. All individual or collective actions contain an element of risk, and those risks must be managed to prevent the avoidable loss of personnel or equipment. Commanders will ensure that all members of their units working with or in areas containing radioactive commodities are properly assigned in writing, trained, and understand the intent of this Order as well as their responsibility for its compliance and enforcement.

b. Concept of Operations

(1) Enclosure (1) of reference (a) provides the foundation for the Marine Corps Radiation Safety Program. This section summarizes background information, program requirements, program responsibilities, and training requirements.

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(2) Enclosures (2) through (5) of reference (a) provide specific guidance, procedures, and information for certain radioactive commodities employed in the Marine Corps.

(3) Under the provisions of reference (b), the Nuclear Regulatory Commission (NRC) issued a Master Materials License to the Department of the Navy to control the receipt, acquisition, possession, use, and transfer of NRC-licensed radioactive material at Navy and Marine Corps activities.

(4) Provide guidance and requirements for implementing references (c) through (e) for sources of ionizing radiation used at MCRDPI.

(5) Reference (d) established the Naval Radiation Safety Committee to provide control of all radioactive material used in the Navy and Marine Corps except nuclear propulsion, nuclear weapons, and medical/dental sources.

(6) References (f) and (g) provide reporting requirements for inventories of radioactive material.

(7) Commanding Officers

(a) In accordance with the references, and per the requirements of this Order, appoint in writing a Radiation Safety Program Assistance Officer down to the battalion level. Ensure that the individuals appointed are trained and qualified per the requirements of reference (a).

(b) Commanding Officers shall ensure adequate staff and budget are provided to implement a comprehensive radiation safety program that meets the requirements of this Order.

(c) Commanding Officers shall integrate policies for a radiation safety program into appropriate orders, training, and indoctrination programs. This includes technical and tactical standard operating procedures, operational risk management, and checklists.

4. Administration and Logistics

a. This Order does not apply to the use of any medical x-ray equipment, fixed or portable, used by Health Service personnel in support of Depot operations.

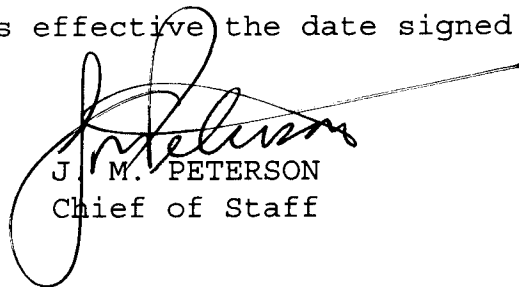
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b. Submit all recommendations concerning this Order to the Force Preservation Officer (FPO) via the appropriate chain of command.

5. Command and Signal

a. Command. This Order is applicable to all Marines, Sailors, and civilians assigned to MCRDPI that acquire, use, store, handle, transport, or dispose of equipment or material containing radioactive equipment or commodities.

b. Signal. This Order is effective the date signed.



J. M. PETERSON
Chief of Staff

DISTRIBUTION: A