

Department of the Army
Headquarters, U.S. Army
Industrial Operations Command
Rock Island, IL 61299-6000

IOC Regulation 385-3

2 Dec 99

Safety

RADIATION SAFETY PROGRAM

Applicability. This regulation applies to Headquarters, U.S. Army Industrial Operations Command (HQ IOC) elements and their subordinate installations. Paragraph 4, Responsibilities, outlines organizations with major missions.

Decentralized Printing. IOC sites may print this regulation.

Supplementation. IOC sites may supplement this regulation.

Proponent. The proponent is the Safety/Rad Waste Team. Send comments and suggested improvements to HQ IOC, ATTN: AMSIO-SF, Rock Island, IL 61299-6000, e-mail amsio-sf@ioc.army.mil.

Distribution. The proponent determines distribution (available electronically from <http://www.ioc.army.mil/im/rcdsmgt/pubs.htm>).

Supersession Notice. None.

FOR THE COMMANDER:

Official: //signed//
ROBERT A. BENSON
Colonel, GS
Chief of Staff

<u>Contents</u>	<u>Paragraph</u>
Purpose -----	1
Explanation of Terms -----	2
Policy -----	3
Responsibilities -----	4
Procedures -----	5

1. Purpose. This document describes the Radiation Safety Program for HQ IOC radioactive items required by Army Regulation (AR) 11-9, 28 May 1999, Army Radiation Safety Program, and Code of Federal Regulations, Title 10, Part 20. NOTE: AR 11-9 superseded AR 385-11.

2. Explanation of Terms. Definitions of technical terms in AR 11-9 apply to this document.

3. Policy. HQ IOC organizations involved in the procurement, storage, distribution, and disposal of IOC depleted uranium (DU) ammunition, promethium-147 light antitank weapon (LAW) rocket sights, or other generally licensed radioactive items will ensure compliance with Nuclear Regulatory Commission (NRC) license conditions and applicable Federal, State, and Army radiation safety requirements.

4. Responsibilities.

a. The HQ IOC Command Group is responsible for the IOC Radiation Safety Program and discharges those duties through the team members identified in this paragraph.

b. The Safety/Rad Waste Team (AMSIO-SF) will:

(1) Administer and keep records of the Army Low-Level Radioactive Waste (LLRW) Disposal Program, including radioactive materials, activities, quantities, generation points, disposition points, dates shipped, and dates disposed.

(2) Obtain the Munitions and Armaments Center (AMSIO-MA) concurrence before AMSIO-SF brokered shipments.

(3) Exercise staff supervision of the HQ IOC Radiation Safety Program, which includes: NRC license management, disposal of LLRW, and Command Radiation Safety Program.

(4) Coordinate, obtain, administer, review, amend, and maintain NRC licenses for radioactive items managed by the IOC.

(5) Coordinate with AMSIO-MA on safety related instructions, cautions, and warnings based on the hazards involved and regulatory requirements of IOC licensed radioactive items in technical literature.

(6) Coordinate with commanders of development organizations to obtain input for timely preparation of the NRC license for systems under their management.

(7) Provide information and guidance to the IOC Commanding General on the limitations, constraints, and conditions that affect each radioactive item.

(8) Appoint, in writing, a Command Radiation Safety Officer (RSO) for HQ IOC.

(9) Monitor Department of the Army Radiation Permits (DARPs) and Department of the Army Radiation Authorizations (DARAs) at IOC subordinate installations.

(10) Prepare safety requirements for procurement work directives, solicitations, and contracts for IOC and non-IOC licensed radioactive items in coordination with the Acquisition Center (AMSIO-AC) and AMSIO-MA.

(11) Incorporate safety related instructions, cautions, and warnings based on hazards involved and regulatory requirements of radioactive items into technical literature.

(12) Establish a Radiation Control Committee (RCC).

(13) Exercise staff supervision over the Department of Defense (DOD) Executive Agency for LLRW.

(14) Represent the Army on the DOD LLRW Disposition Advisory Committee.

c. The Command RSO will:

(1) Advise and assist IOC personnel in the life-cycle management of IOC radioactive items.

(2) Implement the radiation safety program for IOC radioactive items.

(3) Review existing and proposed radiological operations and procedures, field reports, test reports, and surveys to ensure compliance with radiation safety regulations.

(4) Review the results of all radiation safety related inspections done at IOC installations. Review the results of all radiation safety inspections done at non-IOC installations when IOC licensed items were part of the inspection.

(5) Review IOC installation RCC meeting minutes and dosimetry results/rollups, and report any significant results to the HQ IOC RCC.

(6) Review the IOC installation annual audit reports and radiation source inventories.

(7) Review contractor radiation operations at Government-owned, contractor-operated installations.

d. The Command Surgeon Team (AMSIO-SG) will provide medical information concerning potential health hazards of radioactive material.

e. AMSIO-MA will:

(1) Ensure that technical publications and instructions to the user include specific instructions on handling, storing, and disposal of radioactive items.

(2) Notify the Command RSO of planned programs involving radioactive material.

(3) Obtain concurrence of the Command RSO on the above actions.

(4) Maintain historic records of total quantities of radioactive items managed within the wholesale system. Records should indicate quantities procured, issued, sold, and disposed. They will retain records until they have removed the items from DOD inventory.

(5) Coordinate and manage activities for radioactive items managed within the wholesale system.

(6) Provide input to the Command RSO for timely preparation of the NRC license application.

(7) Assist the Command RSO in enforcement and compliance with NRC license conditions.

(8) Provide wholesale and retail inventory information on IOC licensed items to the Command RSO upon request.

(9) Notify the Command RSO of planned programs involving radioactive material.

(10) Ensure the developer incorporates specific instructions on handling, storing, and disposal of radioactive items into the technical publications and instructions to the user.

(11) Obtain concurrence of the Command RSO on the above actions.

(12) Provide adequate and proper inspection and test requirements for IOC radioactive items when involved in specification and technical Quality Assurance Provisions (QAPs).

(13) Implement the specifications and technical QAPs for IOC radioactive items throughout the life cycle.

(14) Ensure that during acceptance inspection, the Government inspector rejects the lot of material represented by the sample if they find any defects in the radioactive material or the component containing the radioactive material.

(15) Verify the integrity of the component containing radioactive material, in both use and storage, for the life cycle of the radioactive item.

(16) Provide the Command RSO the results of wipe tests of IOC licensed items.

(17) Provide guidance in the development of environmental documentation for NRC license actions.

(18) Provide guidance on transportation of radioactive materials.

f. AMSIO-AC will:

(1) Identify the contract for purchase of radioactive items as a hazardous materials contract. Ensure the contractor performs a pre-award safety survey.

(2) Include contract clauses for safety, transportation, and product assurance acceptance in the solicitation.

(3) Coordinate solicitations and technical data packages with AMSIO-SF.

g. The Security Assistance Management Center (AMSIO-SA) will staff foreign military sales cases involving the sale of radioactive material through the license RSO.

5. Procedures. AMSIO-SF will ensure compliance with NRC license conditions and applicable Army, Federal, and State regulations through:

a. Training. To qualify as RSOs within the IOC, personnel will attend the Army's 3-week Radiological Safety Course, (4J-F3)

or have comparable training and/or experience. The RSOs and their alternates will receive refresher training in radiation safety as required.

b. Inspections. The Command RSO or his representative will inspect storage installations with IOC licensed items IAW the U.S. Army Materiel Command Combined Inspection Program.

c. Disposal Actions. The Command RSO or his representative will ensure proper shipping and handling of excessed radioactive materials during on-site disposal actions.

d. RCC. The Chief of Staff will chair the annual RCC meeting with the Chief, AMSIO-SF, as the alternate. The Command RSO will chair all other working RCC meetings.