

DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY MATERIEL COMMAND
5001 EISENHOWER AVENUE, ALEXANDRIA, VA 22333-0001

AMC REGULATION
No. 11-48

22 June 2001

Safety

RADIATION SAFETY PROGRAM

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1. Purpose. To prescribe U.S. Army Materiel Command (AMC) policy and procedures to ensure the safe and prudent management and regulatory compliance of sources and devices using ionizing and nonionizing radiation.

2. References. See Appendix.

3. Policy.

a. The AMC Radiation Safety Program (RSP) will operate in accordance with (IAW) applicable Federal, DOD, and Army Regulations, policies and guidance.

b. All operations and transactions involving radiation sources will be managed such that exposures to occupationally exposed personnel, the general public, and the environment will be as low as is reasonably achievable (ALARA).

c. Radiation policies promulgated by AMC Major Subordinate Commands (MSC) will be at least as restrictive as those contained in this regulation. In case of a conflict, the more restrictive of the two will apply.

d. Use of Risk Management techniques by Commanders to conduct operations with radiation sources in no way relieves them of complying with applicable laws, Federal, or Army regulations.

4. Responsibilities.

a. The Commanding General (CG), AMC will:

(1) Appoint a Radiation Safety Staff Officer (RSSO) and Alternate RSSO to manage the AMC RSP.

(2) Appoint a HQAMC Radiation Safety Council (RSC) to oversee the AMC RSP.

(3) Prescribe an ALARA policy covering the use of radiation sources at AMC Major Subordinate Command (MSC), installations, and activities.

b. The Chief, HQAMC Safety Office will serve as the proponent for the AMC RSP.

c. The AMC Surgeon will serve as the proponent for the AMC Radiation Occupational Health Program and will appoint a Radiation Health Consultant to the AMC RSP.

d. The AMC Radiation Safety Staff Officer (RSSO) will:

(1) Manage the AMC RSP.

(2) Serve as the official HQAMC point of contact for matters of radiation policy involving Federal and State regulatory agencies. (NOTE: AMC MSC licensees have free access to the Nuclear Regulatory Commission (NRC). Contacts by AMC MSC or installations with the NRC should be followed up by notification to the next higher headquarters if the matter involves a significant policy issue or an incident (See paragraph 5b).

(3) Coordinate the AMC RSP with Headquarters Department of the Army (HQDA) and the other Major Army Commands (MACOMs). This includes reports of combined radioactive commodity program reviews at MACOM installations.

(4) Oversee NRC licensing and control of AMC radioactive materials, including serving as co-reviewer with the AMC Radiation Health Consultant of new NRC license applications and amendment requests from AMC subordinate commands that may have a significant impact on the AMC RSP.

(5) Serve as approving authority and manager for Army Radiation Authorizations (ARAs) issued by AMC IAW AR 11-9.

(6) Monitor the issuance of Army Radiation Permits (ARPs) issued by AMC installation Commanders IAW AR 11-9. Such monitoring may occur during AMC visits to the MSC.

(7) Review the HQAMC radiation safety program at least annually, using the Management Control Checklist in AR 11-9 as a guide.

(8) Monitor the Army Low-Level Radioactive Waste (LLRW) Disposal and Army Radiation Instrument Calibration programs, both administered and operated through AMC MSCs.

(9) Co-manage HQAMC RSP evaluations with the AMC Radiation Health Consultant.

(10) Investigate radiation accidents, incidents and instances of noncompliance with regulations and policies that result in the loss of radioactive materials or the contamination of personnel within the AMC RSP.

(11) Interface with the U.S. Army Security Assistance Command to ensure that Foreign Military Sales (FMS) cases reflect radiation sources transferred to foreign governments under approved agreements and applicable laws and regulations.

(12) Act as the recorder for the AMC RSC.

(13) Provide an annual report on the status of the AMC RSP to the AMC RSC.

e. The AMC Radiation Health Consultant (RHC), AMC Surgeon's Office, will:

(1) Serve as Alternate AMC RSSO.

(2) Manage the AMC Radiation Health Program.

(3) Serve as the AMC Radiation Health primary point of contact with the U.S. Army Medical Command and HQDA Office of the Surgeon General.

(4) Oversee the mission services performed for AMC by the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM).

(5) Investigate and review all incidents of actual or suspected radiation overexposures at AMC MSC or activities. Review administrative doses assigned as a result of those incidents.

(6) Co-manage HQAMC RSP evaluations with the HQAMC RSSO.

(7) Serve as co-reviewer of new NRC license applications and amendment requests from AMC subordinate commands that may have a significant impact on the AMC RSP.

(8) Oversee the Army Ionizing Radiation Dosimetry Program, operated by AMC through the U.S. Army Aviation and Missile Command (AMCOM).

(9) Review and approve all health related radiation research performed by or in conjunction with AMC MSCs and activities.

(10) Serve as the Command expert on health issues concerning radiation.

(11) Oversee the AMC Nuclear Laboratory Proficiency Program operated by AMCOM.

f. The HQAMC Radiation Safety Council will:

(1) Meet once a year or as called by the chairperson.

(2) Be comprised of members of the HQAMC functional staff (e.g., Safety Office, Surgeon's Office, Deputy Chief of Staff for Logistics, etc.) and be chaired by the HQAMC Assistant Chief of Staff.

(3) Make radiation safety policy recommendations to the CG, AMC to keep personnel radiation exposures ALARA.

(4) Oversee the management of the AMC RSP.

(5) Perform other functions as outlined in the council's charter.

g. The AMC Radiation Advisory Committee (RAC) will:

(1) Meet twice a year or as called by the chairperson. Scheduled meetings will usually be held the day before each Army Radiation Safety Council Meeting.

(2) Be composed of health physics/radiation safety representatives of HQAMC, the U.S. Army Operations Support Command (OSC) Low Level Radioactive Waste (LLRW) Disposal Team, the U.S. Army Test, Measurement, and Diagnostic Equipment (TMDE) Activity, and the AMC MSC.

(3) Be apprised of the AMC radiation program status at each meeting by the HQAMC RSSO and/or alternate.

(4) Work specific radiation issues affecting the command as a whole through meetings, videoteleconferences (VTC), email, or other forms of communication.

(5) Perform other functions as outlined in the council's charter.

h. AMC MSCs will (NOTE: For the purposes of this regulation, the U.S. Army Tank-automotive and Armaments Command-Rock Island [TACOM-RI] is considered a separate AMC MSC because of TACOM-RI's worldwide commodity NRC license program. The TACOM-RI will act per HQ TACOM guidance, however.):

(1) Publish and implement written radiation safety programs. AMC MSC will forward a copy of their written RSP to the AMC RSSO and RHC.

(2) Designate, in writing, an MSC Radiation Safety Officer (RSO) and Alternate RSO, as needed or required by the NRC license.

(3) When in possession of an NRC license, keep the Commander apprised of the status of the radiation license program.

(4) Provide the MSC RSO and Alternate training to ensure currency of skills. A minimum of twenty-four classroom hours of training at least every two years is required.

(5) Comply with all NRC license and ARA requirements and conditions.

(6) Promptly (within 5 working days) notify the HQAMC RSSO of all items of noncompliance with NRC and/or DA radiation standards, regulations and policies.

(7) Immediately (upon discovery) notify the HQAMC RHC of all actual or suspected incidents of radiation overexposures, or personnel contamination above permissible levels.

(8) Submit all requests for CHPPM mission services through the chain of command to the AMC RHC.

(9) Provide an annual RSP report, as part of the AMC Safety Report input, in accordance with directions from the HQAMC Safety Office. An RSP Content and Implementation Evaluation IAW 10 CFR 20.1101(c) for MSC level NRC licenses will be included.

(10) Submit applications for NRC or state licenses or amendments IAW this regulation.

(11) Submit applications for ARAs IAW this regulation and AR 11-9.

(12) For commodity commands, participate in the AMC combined radioactive commodity NRC license inspection program.

(13) In the event of an accident or incident involving AMC radioactive commodities or sources, provide or arrange for adequate radiation safety support to subordinate installations or activities.

(14) Exercise radiation safety contract oversight to include review and approval of contract services and contractor operated facilities on subordinate installations.

(a) Contractors:

(1) Possessing AMC licensed radioactive commodities independently on AMC property will do so under contractor NRC or Agreement State licenses, unless approved to do so by the MSC in the NRC license for the AMC licensed radioactive commodities. Contractors will also obtain

Department of the Army Radiation Permits for Radioactive Materials or radiation operations as needed to comply with 32 CFR 655.10.

(2) Working with AMC licensed items under the supervision of AMC military or DA Civilian personnel will do so only under the purview of and with the approval of the AMC MSC licensee.

(b) Contractors who handle radioactive commodities licensed by AMC commodity commands on private property will obtain their own licenses. Exceptions to this policy must be approved in writing by the licensee and by HQAMC. The AMC commodity commands cannot provide license coverage for contractors operating off Army property.

(15) Coordinate with other AMC MSCs and/or other agencies as appropriate.

(16) For commodity command MSCs, sponsor and apply for ARAs for worldwide use which cover their respective non-licensed radioactive commodities. Commodity Command NRC licenses will comply with this requirement.

(17) Review the inventory of all radiation sources and devices under their purview IAW radioactive material license requirements, or as a part of regularly scheduled audits. Radiation Source inventories should be verified at least annually at both the commodity command and the installation/activity levels.

(18) Provide commodity NRC license life cycle support, including radiological counting support, to Army installations using AMC licensed commodities. The AMC or the MACOM will fund radiological counting support as determined through an approved Memorandum of Agreement between the two parties.

(19) Periodically review the requirements for radioactive materials in weapons systems and equipment. Non-radioactive materials should replace radioactive sources in weapons and equipment whenever possible in light of mission requirements.

(20) Review contracts in which radiation sources are used or procured for radiation safety considerations and compliance with applicable regulations and directives. This

includes contracts for weapons systems, items of supply, and/or government owned-contractor operated facilities.

i. AMC installations and activities using radiation sources will:

(1) Publish and implement written RSPs controlling sources that produce ionizing and non-ionizing radiation within their jurisdiction and in accordance with MSC guidelines.

(2) Designate, in writing, an installation or activity RSO and alternate RSO, as needed, to ensure adequate radiation safety coverage for the NRC license, the command, or the facility.

(3) When in possession of an NRC license (except Government contractors), or in possession of and operating an electronic source that would require an ARA, keep the Commander apprised of the status of the radiation safety program.

(4) Provide the RSO and alternate RSO, as applicable, periodic training to ensure currency of skills. A minimum of twenty-four hours of classroom training every two years is required. For GOCOs, training will be conducted IAW the contract requirements.

(5) Comply with all NRC license and ARA requirements and conditions, as well as Federal, DoD, agency, and state regulations and directives, as applicable to the organization's situation.

(6) Promptly notify the respective chain of command of all items of non-compliance with NRC, DoD, and/or DA Radiation standards regulations, and policies.

(7) Immediately notify the chain of command of all actual or suspected incidents of radiation overexposure.

(8) Submit all requests for CHPPM mission services through the chain of command to the HQAMC RHC.

(9) Submit applications for new and significant NRC or state licenses or amendments IAW this regulation.

(10) Submit all applications for ARAs IAW this regulation and AR 11-9.

(11) Exercise radiation safety contract oversight, to include review and approval of contract services.

(a) Contractors:

(1) Possessing AMC licensed radioactive commodities on AMC property will do so under contractor NRC or Agreement State licenses, unless approved to do so by the MSC in the NRC license issued for the AMC licensed radioactive commodities. Contractors will obtain DA Radiation Permits for Radioactive Materials or radiation operations as needed to comply with 32 CFR 655.10.

(2) Working with AMC licensed items under the supervision of AMC military or DA Civilian personnel will do so only under the purview of and with the approval of the AMC licensee.

(b) Contractors who handle radioactive commodities licensed by AMC commodity commands on private property will obtain their own licenses. Exceptions to this policy must be approved in writing by the licensee and by HQAMC. The AMC cannot provide license support for contractors operating off Army or AMC property.

(12) Maintain an inventory of all radiation sources and devices under their control. Inventories will be conducted IAW NRC license requirements, but no less than annually.

(13) Issue Army Radiation Permits IAW AR 11-9, this regulation and MSC guidance.

(14) Ensure that tenant activities on the installation or activity establish and operate radiation safety programs to protect themselves, Army personnel, the environment, and members of the general public and comply with applicable NRC licenses.

(15) Dispose of radiation sources only IAW applicable regulations and directives, to include military exempt lasers.

(16) Interface regularly with Defense Reutilization and Marketing Office (DRMO) personnel and facilities located on AMC property to minimize the inadvertent sale or release of radiation sources to personnel or organizations outside of DoD control. The MSC may conduct or arrange for visits to DRMO sites off AMC installations to check for the presence of AMC licensed commodities, provided there are memoranda of agreement

or other authorities in place with the Army command or service that owns the installation.

j. AMC Program Managers (PM) will:

(1) Ensure that all proposed uses of radiation sources to be used in weapons systems, troop issue items, aircraft, and other Army materiel are coordinated with their supporting radiation safety and safety engineering personnel.

(2) Minimize the use of radioactive materials in Army materiel consistent with mission requirements. Radioactive materials should not be used in Army Materiel unless there are no reasonable non-radioactive alternatives.

(3) Periodically review the requirements for radioactive materials in weapons systems and equipment. Non-Radioactive materials should replace radioactive sources in weapons and equipment whenever possible in light of mission requirements.

k. The U.S. Army TMDE Activity will:

(1) Promulgate standards for radiation instrument calibration that maintain traceability to the National Institute of Standards and Technology (NIST).

(2) Perform and/or oversee the proper calibration of radiation instrumentation for the Army.

(3) Exercise technical oversight of the AMC Nuclear Counting Quality Assurance (QA) program.

(4) Serve as proponent for AMC Pamphlet 750-20, Nuclear Counting Quality Assurance Program.

(5) Provide an annual briefing to HQAMC on the state of the radiation instrument calibration program.

l. The Ionizing Radiation Dosimetry Branch, U.S. Army TMDE Activity, will:

(1) Provide quality dosimetry service to the Army and other customers as applicable or appropriate to include maintaining National Voluntary Laboratory Accreditation Program (NVLAP) Certification.

(2) Adapt automated dosimetry records to conform with approved Army medical record management systems and NRC/OSHA recordkeeping requirements.

(3) Consolidate dosimetry reports to AMC Radioactive Commodity NRC license managers and HQAMC by commodity license.

(4) Provide an annual briefing to HQAMC on the status of the radiation dosimetry program.

m. The Low Level Radioactive Waste (LLRW) Disposal Team, U.S. Army Operations Support Command (OSC), will:

(1) Work on behalf of the DOD Executive Agent for the LLRW program IAW DoD Instruction 4715.6.

(2) Manage the Army LLRW program.

(3) Equip and sustain the Army Contaminated Equipment Retrograde Team (ACERT) IAW AR 700-48, and deploy the team when requested by HQAMC.

(4) Provide HQAMC and the AMC MSC with an annual report for all radioactive commodities/material disposed of during the fiscal year. The report will include the number of commodities disposed of by National Stock Number (NSN).

n. The U.S. Army Communications-Electronics Command (CECOM) will equip and sustain the Army Radiological Control Team IAW AR 700-48 and deploy the team when requested by HQAMC.

5. Procedures.

a. General.

(1) The chain of command will be followed in all matters pertaining to the AMC RSP. Exception is all NRC licensees have direct access to the NRC in order to comply with reporting requirements. In those events, the MSC should notify HQAMC as soon as possible after the NRC notification is made.

(2) Radiation safety regulations, policies, and standing operating procedures (SOPs) shall be reviewed and updated as required on a biennial basis.

b. Notifications to HQAMC RHC and RSSO regarding the AMC RSP.

(1) Immediate. All matters involving:

(a) Alleged or actual overexposures to radiation personnel or contamination of individuals.

(b) Radiation accidents or incidents, including abnormal releases of radioactive material from an encapsulation or contained area that creates a radiation controlled area or contaminated area.

(c) Any immediate notifications required by Federal or State agencies.

(2) Prompt.

(a) Inspections by NRC or other regulatory agencies.

(b) Matters involving legal, public affairs, congressional, or Freedom of Information Act (FOIA) ramifications or other actions deemed politically sensitive that could result in HQAMC involvement.

(3) Routine. Provide HQAMC:

(a) MSC Radiation Safety Committee (RSC) meeting minutes, if the MSC has an RSC (to HQAMC RSO).

(b) An annual MSC radiation safety program report, IAW this regulation (to HQAMC RSSO). Include in the MSC report the number of Army Radiation Authorizations in place and active across the MSC.

(c) NRC, OSHA, EPA or state regulatory body radiation inspection reports (to HQAMC RSSO) (Note: through the chain of command).

(d) Copies of MACOM commodity NRC license inspections (to HQAMC RSSO).

(e) Copies of radiation related accreditation and certifications (to HQAMC RSSO). An example is International Standards Organization (ISO) 9000 series registration.

(f) Research protocols involving the generation of data to be used in health risk assessments (to HQAMC RHC).

(g) Copies of shielding evaluations for radiological facilities (irradiators, calibration systems, radiography systems, accelerators, and industrial x-ray systems)(to HQAMC RHC).

(h) Investigations of accidents/incidents involving AMC MSC or subordinate installations or activities (to HQAMC RSSO and the HQAMC RHC).

c. Remote Operations.

(1) When AMC commodity command personnel are engaging in radiation operations on non-AMC installations, the responsible AMC MSC RSO will ensure that the activity operating on a non AMC site coordinates the safety and health plan to ensure adequacy and proper protection of personnel and the environment.

(2) Coordination with the host RSO will be established and maintained to ensure proper execution of responsibilities.

(3) AMC MSC RSO will also ensure that non-AMC organizations supported by their MSC have the proper review procedures in place, if they are responsible for radiation safety support.

d. All Defense Reutilization and Marketing Offices (DRMO) located on AMC installations will be surveyed quarterly by the RSO/representative for radiation sources that may have been inadvertently turned in.

e. NRC/State license submission procedures.

(1) The HQAMC Staff will review and comment on, and approve, applications for new NRC or state licenses issued to elements of this command. Applications for new licenses will be sent through HQAMC to the NRC. The HQAMC RHC will obtain a review of all new NRC license applications by CHPPM.

(2) The HQAMC Radiation staff will review and comment on, but not approve, applications for significant NRC or state license amendments, including terminations. Minor (e.g., RSO changes) amendments will not require coordination with HQAMC.

(a) Applications for amendments may be sent directly to the regulator with a copy (or summary) furnished to HQAMC.

(b) The licensee will ensure a prior documented review by a Health Physicist (HP)(GS-1306) of all license amendments for new types of operations or facilities, even though there may be an existing NRC license.

(3) Activities will furnish the chain of command (for MSC licensees, furnish HQAMC and for MSC subordinate installations and activities, furnish the MSC) copies of any correspondence sent to or received from the NRC or the state in question.

(4) Direct correspondence with regulators is authorized, provided the chain of command is informed of the proposed actions/amendments.

f. ARA submissions. (Note: Per AR 11-9, electronic radiation sources only require ARAs if they emit radiation greater than 100 millirem/hour at one meter. Sources emitting less radiation do not require an ARA).

(1) HQAMC (AMCSF-P) is the approving authority for all ARAs issued in AMC IAW AR 11-9.

(2) Unless delegated to the MSC level, MSC and Installations will submit applications for ARA through command channels to the AMC RSSO for approval.

(3) The ARA application should include:

(a) A description of the radiation source, operation, commodity, or system.

(b) A completed shielding evaluation of the facility or evaluation of the system's radiation levels.

(c) A radiation safety program to cover the item, facility, or operation.

(d) Confirmation that users and radiation safety personnel have the proper training to safely operate the system(s). For commodities, describe the training program planned for user sites.

(e) For organizations with NRC licenses applying for an ARA, referencing the NRC license and associated programs will satisfy the above if the ARA is for radioactive sources with similar characteristics. ARA applications for dissimilar items (e.g. high powered X-ray sources) will require a complete ARA application with the above components.

(f) Renewals for ARAs are handled via memoranda with documentation to cover changes since the previous amendment was submitted.

(g) Amendments to ARAs will be submitted when changes to the program occur that will impact radiation doses to workers, the general public, or to the environment, or that will change the regulatory posture of the facility or the operation.

g. Army Radiation Permit (ARP) submissions.

(1) IAW AR 11-9, the installation commander is the approving authority for all ARPs issued in AMC.

(2) The MSC or HQAMC Radiation Staff will provide guidance and assistance to the field in ARP preparation or management.

(3) The ARP application (memorandum and enclosures) should include:

(a) A description of the radiation source, operation, commodity, or system.

(b) A completed shielding evaluation of the facility or evaluation of the system's radiation levels.

(c) A radiation safety program to cover the item, facility, or operation.

(d) Confirmation that users and radiation safety personnel have the proper training to safely operate the system(s).

(e) For organizations (e.g. GOCOs) with NRC/state licenses applying for an ARP, referencing the NRC/state license and associated programs will satisfy the above if the ARP is for radioactive sources with similar characteristics. ARP applications for dissimilar items (e.g. high powered X-ray sources) will require a complete ARP application with the above components.

(f) Renewals for ARPs are handled via memoranda with documentation to cover changes since the previous amendment was submitted.

(g) Amendments to ARPs will be submitted when changes to the program occur that will impact radiation doses to workers, the general public, or to the environment, or that will change the regulatory posture of the facility or the operation.

h. X-Ray Systems Not Covered by AR 11-9 (those that emit radiation at rates of less than 100 millrem/hour).

(1) Installations should ensure proper management of low powered x-ray sources. As a minimum, the installation RSO should maintain the following data on such x-ray systems:

(a) Shielding evaluations of the facility or device.

(b) Radiation Safety Surveys performed by CHPPM, a GS-1306 Health Physicist, a U.S. Army Nuclear Medical Science Officer, or a qualified contractor as a part of the installation process.

(c) Periodic checks of all interlocks, switches or other functions as recommended by appropriate American National Standards Institute Standards.

i. Radiation Inspections performed by AMC.

(1) The HQAMC and AMC MSC radiation safety representatives will operate and participate in a combined radioactive commodity NRC license inspection program covering both AMC and Non AMC installations that use, store, maintain, or transport AMC licensed commodities.

(a) Combined Radiation Inspections will be conducted for Army installations at least once every five years by AMC representatives. The inspections will be based upon the CHPPM inspection schedule.

(b) The HQAMC RHC will conduct a mission services meeting with the CHPPM Health Physics Program at least annually, prior to the beginning of the fiscal year. The CHPPM will then furnish AMC with its proposed schedule for the next year.

(c) The AMC MSC will meet with HQAMC staff and determine the installations the MSC will visit. This will be accomplished by VTC after the CHPPM Inspection schedule for the coming FY has been published.

(d) Upon completion of the inspection the report will be due to HQAMC by the inspector within 60 days.

(e) Within 30 days of receiving the report, the HQAMC RSSO will dispatch the report via AMC command group signature to the MACOM and, if necessary, request a reply within 60 days of the date of the AMC correspondence. Copies of the report will be furnished to all commodity command Safety Directors. The AMC RSSO will be responsible for following up on all inspections to ensure that deficiencies are corrected.

(f) The HQAMC RSSO will ensure that a tracking system is maintained for these inspections to facilitate the recall of the data and to ensure that deficiencies have been addressed.

(g) Ionizing Radiation Producing Devices (X-ray machines, accelerators, etc...) and Non-Ionizing radiation producing equipment will be included in these inspections at the discretion of the inspector.

(2) Radiation Program Reviews performed by HQAMC.

(a) The HQAMC will perform a radiation program review for each AMC MSC at least once every two years.

(b) The HQAMC will review selected installations and/or activities belonging to MSC only after coordination with the respective MSC.

(c) Reports of HQAMC visits will be dispatched through the respective chain of command for reply by the organization visited within 30 days of the completion of the visit.

(d) If desired, the HQAMC radiation staff will perform an evaluation of the MSC or installation/activity NRC license radiation safety program IAW 10 CFR 20.1101(c) in conjunction with the radiation program review. Advance coordination is required. Not all HQAMC radiation program reviews will result in a 10 CFR 20.1101(c) evaluation.

(3) The CHPPM provides HQAMC copies of radiation surveys where AMC commodities are used or stored (both AMC and non-AMC installations). The HQAMC RHC will coordinate the resolution of any significant survey findings involving AMC activities or commodities identified in the CHPPM surveys.

j. Ionizing and Non-Ionizing Radiation Surveys performed by CHPPM.

(1) The CHPPM will furnish copies of AMC MSC, installation, and activity radiation surveys, as well as non-AMC radiation surveys, to the HQAMC RHC and the RSSO. The RHC will ensure distribution to the appropriate commodity commands, if they were not already on the distribution list of the survey memorandum. The CHPPM will also furnish copies of the reports to the activity or installation surveyed as requested by the MSC.

(2) The HQAMC RHC will track CHPPM radiation surveys and follow up as necessary with respect to any deficiencies uncovered by CHPPM at an AMC site.

(3) The AMC will use the CHPPM inspections as supporting regulatory compliance in this area at AMC installations.

The Proponent of this regulation is the Army Materiel Command. Users are invited to send comments and suggested improvements to Commander, AMC, ATT: AMCSF, 5001 Eisenhower Avenue, Alexandria, VA 22333-0001.

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TACOM-WARREN/AMSTA-CS-CZ (4)
TACOM-RI/AMSTA-LC-SF (4)

APPENDIX

1. Title 10, Code of Federal Regulations (CFR), Sections 1-150, U.S. Nuclear Regulatory Commission (NRC) Regulations.
2. Title 29, CFR, Sections 1910.96, Ionizing Radiation and 1910.97, Nonionizing Radiation, Occupational Safety and Health Administration (OSHA) Regulations.
3. Title 32, CFR, Section 655.10, Radiation Sources on Army Land.
4. Title 40, CFR, U.S. Environmental Protection Agency (EPA) Regulations.
5. Title 49, CFR, Sections 172-177, U.S. Department of Transportation (DOT) Regulations.
6. Department of Defense Instruction (DODI) 6055.8, Occupational Radiation Protection Program.
7. DODI 6055.11, Protection of DoD Personnel from Exposure to Radiofrequency Radiation and Military Exempt Lasers.
8. Army Regulation (AR) 11-9, Army Radiation Safety Program.
9. Department of the Army (DA) Pamphlet 40-18, Personnel Dosimetry Guidance & Dose Recording Procedures for Personnel Occupationally Exposed to Ionizing Radiation.
10. AR 700-48, Management of Equipment Contaminated by Depleted Uranium and Other Low Level Radioactive Commodities.
11. Army Materiel Command (AMC) Pamphlet 750-20, Nuclear Counting Quality Assurance Program.
12. U.S. Army Armament, Munitions, and Chemical Command (AMCCOM) Pamphlet 385-1, Disposal of Unwanted Radioactive Materials.
13. DA Technical Bulletin (TB) 43-0116, Identification of Radioactive Materials in the Army.
14. TB Medical (TB MED) 523, Control of Hazards to Health from Microwave, Radiofrequency Radiation and Ultrasound.

15. TB MED 524, Control of Hazards to Health from Lasers and High Intensity Optical Sources.

16. Memorandum, HQ, U.S. Army Materiel Command, AMCSF-P, 12 June 2000, subject: As Low As Reasonably Achievable (ALARA).