

**HEADQUARTERS, U.S. ARMY  
 MATERIEL COMMAND  
 RADIATION AUTHORIZATION**  
**For**  
**Possession and Use of Radioactive Materials  
 And Radiation Producing Devices**



In reliance on statements and representations made by the applicant, authority is hereby granted to receive, produce, transfer, possess, use, and store the material/devices designated in Item 5. The authority is subject to conditions specified below.

|  |  |  |   |
|--|--|--|---|
| <b>1. ACTIVITY GRANTED AUTHORITY</b><br>Commander<br>U.S. Army Communications-Electronics Command<br>AMSEL-SF-RE<br>Fort Monmouth, NJ 07703-5024                                     |  | <b>3a. AUTHORIZATION/ PERMIT NUMBER</b><br><br>A24-12-07   |   |
|  |  | <b>3b. DOCKET NUMBER</b><br><br>AMC-00012  |   |
|  |  | <b>4. EXPIRATION DATE</b><br><br>31 January 2005   |   |
| <b>2. OPERATING LOCATION</b><br>Under the supervision of U.S. Department of the Army military and civilian personnel at worldwide Department of Defense installations and activities |  |  |   |
| <b>5. MATERIAL/DEVICE</b><br><br>Hydrogen - 3  | <b>6. CHEMICAL / PHYSICAL FORM</b><br><br>a. Gas in sealed Vials<br>b. Gas in sealed Vials<br>c. Gas in sealed Vials<br><br>d. Gas in sealed Vials | <b>7a. QUANTITY per device</b><br><br>a. One (1) Each<br>b. Two (2) Each<br>c. Four (4) Each<br><br>d. Seven (7) total | <b>7b. LIMIT per device</b><br><br>a. 1.85E9 Becquerels<br>b. 9.25E8 Becquerels<br>c. 1.85E8 Becquerels<br><br>d. 4.44E9 Becquerels |
| <b>8. AUTHORIZED USE:</b><br>Material will be used as light sources in lensatic compasses. NSN 6605-01-196-6971  |  |  |   |



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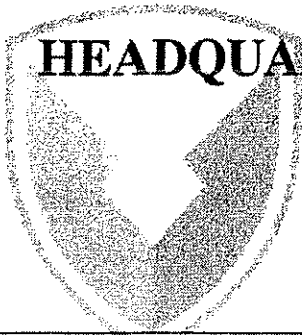
## For Possession and Use of Radioactive Materials And Radiation Producing Devices



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|--|-----------------------------------|
| <b>AUTHORIZATION/ PERMIT NUMBER</b><br>A24-12-07 | <b>DOCKET NUMBER</b><br>AMC-00012 |
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### CONDITIONS

9. The Radiation Safety Officer (RSO) for this authorization is Mr. Craig Goldberg. Alternate RSO's are Mr. Barry Silber and Mr. Hugo Bianchi. COM 732-427-4427; DSN 992-; ext. 6405, ext. 6440, ext. 6444
10. The authorized use and location of the material is under the supervision of U.S. Department of the Army military and civilian personnel at worldwide Department of Defense installations and temporary locations required for completion of the mission. Contractor use and maintenance of authorized material is only through written consent of the RSO and ARA Manager.
11. Authorized material will be utilized under the supervision of the individuals identified in item 9 above. Individuals identified in Item 9 above will be responsible for ensuring user personnel meet minimum training and education requirements. User training and qualifications will be made available when requested.
12. The US Army CECOM will maintain a formal radiation safety program that will ensure radiation exposures are maintained As Low as is Reasonably Achievable (ALARA).
13. Notify AMCSF-P within 60 days of a change in:
  - a. The Radiation Safety Officers identified in Item 9.
  - b. Ownership, organization, location.
  - c. Additions, deletions or other changes in your radiation source inventory authorized by this ARA.
14. Requests for termination, disposal, or transfer of any radioactive material authorized under this ARA will include the following information as applicable.
  - a. Description of the item(s) being transferred, the date of the transfer, the name of the authorized recipient and the recipient's permit number.
  - b. A description of the material authorized and/or requiring disposal actions, the specific disposal procedures, and the results of the closeout radiation survey.
  - c. Normal disposal of Low Level Radioactive Waste will be at commercial sites in the continental United States. Unusual circumstances may warrant disposal in-country. Requests for access to in-country disposal will go through Army Materiel Command, the Department of the Army, and the U.S. Department of State before coordination with host country.
15. If there is radiological contamination as a result of authorized operations, Army facilities will be decontaminated by the organization identified in Item 10 above.
16. Army property will be restored to pre-operational conditions that meet NRC and/or host nation release criteria for unrestricted use.



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17. The user will be responsible for ensuring funds are available to conduct all necessary decontamination/ closeout requirements.
18. Copies of this document and any amendments will be retained by the organizations identified in Items 1 and 9.
19. All authorized material will only be disposed of IAW Army Regulation (AR) 11-9 and AMCOM Pamphlet 385-1, DLAM 4160.21M, and any Status of Forces Agreements.
20. The owner will conduct, at a minimum, an annual inventory of all radioactive material covered under this authorization. Inventory records will be maintained for a period of 5 years.
21. Unless specifically provided otherwise, the material/devices described in items 5, 6, and 7 will be possessed and used IAW statements, representations, and procedures contained in:
  - a. Memorandum dated 31 January 2002.
  - b. Original DA Form 3337 Application dated 6 February 2002.
22. All authorized material will be identified in Technical Bulletin 43-0116, Identification of Radioactive Material in the Army.

**PREPARED BY:**

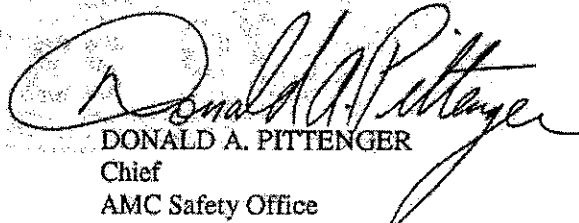
Date: 20 MAR 2002

  
RICHARD C. LOVELL  
AMC Health Physics Manager

**APPROVED BY:**

Date: 20 MAR 2002

**FOR THE COMMANDER:**

  
DONALD A. PITTENGER  
Chief  
AMC Safety Office