



DEPARTMENT OF THE NAVY  
OFFICE OF THE CHIEF OF NAVAL OPERATIONS  
2000 NAVY PENTAGON  
WASHINGTON, DC 20350-2000

IN REPLY REFER TO

6470  
Ser N45S2/10U158300  
10 November 2010

From: Chairman, Naval Radiation Safety Committee  
To: Commander, Naval Air Systems Command

Subj: NAVAL RADIOACTIVE MATERIALS PERMIT NO. 19-00019-T5NP,  
AMENDMENT NO. 4

Ref: (a) OPNAVINST 6470.3A  
(b) COMNAVAIRSYSCOM ltr 5104 Ser AIR-7.10.1/039 of 3 Aug 10  
(c) CNO ltr 6470 Ser N456S/10U158066 of 17 Feb 10

Encl: (1) Naval Radioactive Materials Permit No. 19-00019-T5NP,  
Amendment No. 4

1. Per reference (a), NAVSEADET RASO has reviewed the request of reference (b) to amend the subject permit. Reference (b) forwarded a new instruction for management of the commodities permit. Enclosure (1) provides a record of the approval.
2. The subject NRMP has been updated to include the requirement that commands shall comply with and maintain a current copy of NAVSEA S0420-AA-RAD-010 per reference (c).
3. Review enclosure (1) carefully to be sure that all conditions are understood. Changes resulting from this amendment are printed in **bold** typeface.
4. For further information contact NAVSEADET RASO at DSN 953-4692 or commercial (757) 887-4692.

  
L. L. FRAGOSO  
By direction

Copy to:  
NAVSEADET RASO (nsscnavsearasoadmin@navy.mil)  
NAS PAX RIVER RSO (elisabeth.holland@navy.mil)  
NAS PAX RIVER ARSO (lowell.karcher@navy.mil)  
COMNAVSEASYSYSCOM (SEA 04N)

**NAVAL RADIOACTIVE MATERIALS PERMIT**

Pursuant to the authority stated in OPNAVINST 6470.3A, Naval Radiation Safety Committee, and in reliance on statements made by the applicant, permission is hereby granted for the acquisition, receipt, possession, use, storage and disposal of radioactive materials listed below subject to the conditions listed in this permit.

<b>1 - COMMAND</b>  COMMANDER NAVAL AIR SYSTEMS COMMAND NAVAL AIR SYSTEMS COMMAND HEADQUARTERS 47123 BUSE ROAD, UNIT 7 PATUXENT RIVER, MD 20670-1547	<b>2 - PERMIT NO.</b> 19-00019-T5NP
	<b>3 - AMENDMENT NO.</b> 4
	<b>4 - DOCKET NO.</b>
	<b>5 - EXPIRATION DATE</b> 28 FEBRUARY 2013

<b>6 - RADIOACTIVE MATERIAL</b>	<b>7 - CHEMICAL/ PHYSICAL FORM</b>	<b>8 - MAXIMUM QUANTITY AUTHORIZED</b>
A. Strontium-90	A. Sealed Sources, General Nucleonics Inc. P/N 12210-1 or 12220-1	A. Not to exceed 500 microcuries (18.5 megabecquerels) per source, 1.75 Curies (64.75 gigabecquerels) total.

**9. Authorized Use**

- a. For use in In-flight Blade Inspection System (IBIS) Indicator.

**CONDITIONS**

- 10. The Command's Radioactive Materials Permit is amended and reprinted in its entirety. Changes to the permit are printed in bold typeface.
- 11. Radioactive material may be used on Navy and Marine Corps aircraft and/or stored at Navy and Marine Corps commands.

**UNITED STATES NAVAL RADIATION SAFETY COMMITTEE**

**SUPPLEMENTARY SHEET****United States Radiation Safety Committee****Radioactive Materials Permit****PERMIT NO.**

19-00019-T5NP

**AMENDMENT NO.**4

12. Radioactive material shall be used by, or under the supervision of, individuals trained in accordance with the command's Radioactive Materials Permit applications along with submitted procedures and information contained in the application packages.
  - a. The Radiation Safety Officer for this permit is Elisabeth Holland.
  - b. The Assistant Radiation Officer for this permit is Lowell T. Karcher.
13. Sealed sources or detector cells containing radioactive material shall not be opened or sources removed from source holders by the command.
14. The command shall conduct a physical inventory every six months to account for all sources and/or devices received and possessed under this permit.
15. The command may transport radioactive material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material," and "Defense Transportation Regulations, DD 4500-9R."
16.
  - a. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three years.
  - b. In the absence of a certificate from a transferor indicating that a leak test has been made, within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

**SUPPLEMENTARY SHEET****United States Radiation Safety Committee****Radioactive Materials Permit****PERMIT NO.**

19-00019-T5NP

**AMENDMENT NO.**

4

- c. Sealed sources need not be tested if they are in storage and not being used. However, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- d. The test shall be capable of detecting the presence of 0.005 microcuries (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcuries (185 becquerels) or more of removable contamination, the source shall be immediately removed from service and decontaminated, repaired, or disposed of in accordance with Nuclear Regulatory Commission regulations. An OPREP-3 NAVY BLUE REPORT shall be made in accordance with OPNAVINST 3100.6. NAVSEASYSOM (SEA 04N) and NAVSEADET RASO will be information addressees to the OPREP-3 NAVY BLUE REPORT. The report shall describe the equipment involved, the test results and corrective action taken.
- e. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the command or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- f. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Naval Radiation Safety Committee.
17. The command shall comply with and maintain current copy of the NAVSEA S0420-AA-RAD-010, Radiological Affairs Support Program Manual.

**SUPPLEMENTARY SHEET****United States Radiation Safety Committee****Radioactive Materials Permit****PERMIT NO.**

19-00019-T5NP

**AMENDMENT NO.**4

18. Except as specifically provided otherwise by this permit, the command shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations and procedures in the command's application and correspondence are more restrictive than the regulations.
- a. COMNAVAIRSYSCOM ltr 5104 Ser 8.4.4/219 of 8 July 2002  
(Initial Request)
  - b. COMNAVAIRSYSCOM ltr 5104 Ser 8.4.4/281 of 18 September 2002  
(Supplemental Information)
  - c. COMNAVAIRSYSCOM ltr 5104 Ser 8.4.4/363 of 4 December 2002  
(Supplemental Information)
  - d. COMNAVAIRSYSCOM ltr 5104 Ser 7.10.1/244 of 11 August 2004  
(change RSO/ARSO)
  - e. COMNAVAIRSYSCOM ltr 5104 Ser AIR-7.10.1/683 of 29 Sep 09  
(change RSO/ARSO)
  - f. COMNAVAIRSYSCOM ltr 5104 Ser Air-7.10.1/039 of 3 Aug 10  
(Updated instruction, NAVAIRINST 5104.1A dated 31 Aug 09)

DATE: 12 Nov 2010

L. L. FRAGOSO  
Captain, MSC, USN  
Executive Secretary  
Naval Radiation Safety Committee