



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION IV
1600 E. LAMAR BLVD.
ARLINGTON, TX 76011-4511

July 22, 2015

Maj Shaw, 4NW340D
SG3PB (RADIATION HEALTH)
SURGEON GENERAL OF THE AIR FORCE
AIR FORCE MEDICAL SUPPORT AGENCY (AFMSA)
7700 Arlington Blvd, Ste 5151
Falls Church, VA 22042-5151

SUBJECT: LICENSE AMENDMENT

Please find the enclosed Amendment No. 25 to NRC License No. 42-23539-01AF **granting your request to use (AN/AAQ-33) SNIPER/(AN/AAQ-14) LANTIRN avionics Pods and Electro-Optical Targeting System (EOTS) containing americium-241 (Am-241) as exempt devices. Please see License Condition 19 on your license.** An environmental assessment for this licensing action is not required since this action is categorically excluded under 10 CFR 51.22(c)(14). You should review the enclosed document carefully and be sure that you understand all conditions. You can contact me at 817-200-1590 if you have any questions about this license.

Additional information is still needed for the exemption of the Astro-Inertial Navigation Set (AINS). You will need to provide a dose analysis to allow exemption of the AINS devices and supporting data and analyses that demonstrate that the estimated radiation doses and dose commitments relevant to the safety criteria in 10 CFR 32.23 and the basis for such estimates are addressed. Please use NUREG-1717 as a reference for performing the dose evaluations. The analyses should address dose due to "Distribution and Transport," "Normal Use," "Disposal," "Accidents," and "Storage." This information and analyses should be provided to the NRC in a formal submittal. The level of detail provided in this submittal should be the same information required for an exempt distribution license for a new exempt device. This level of detail is required since the 300 microcurie (uCi), Carbon (C)-14 source has not been previously approved as an exempt device, unlike the 11 microcurie (uCi) Am-241 source used in the EOTS and the Pods.

The NRC's Safety Culture Policy Statement became effective in June 2011. While a policy statement and not a regulation, it sets forth the agency's expectations for individuals and organizations to establish and maintain a positive safety culture. You can access the policy statement and supporting material that may benefit your organization on NRC's safety culture Web site at <http://www.nrc.gov/about-nrc/regulatory/enforcement/safety-culture.html>. We strongly encourage you to review this material and adapt it to your particular needs in order to develop and maintain a positive safety culture as you engage in NRC-regulated activities.

NRC's Regulatory Issue Summary (RIS) 2005-31 provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through the NRC's Agencywide Documents Access and Management System (ADAMS). The RIS may be located on the NRC Web site at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/>. Pursuant to NRC's RIS 2005-31, the enclosed materials license will not be made publicly available.

NRC expects licensees to conduct their programs with meticulous attention to detail and a high standard of compliance. Because of the serious consequences to employees and the public that can result from failure to comply with NRC requirements, you must conduct your radiation safety program according to the conditions of your NRC license, representations made in your license application, and NRC regulations.

NRC will periodically inspect your radiation safety program in accordance with Manual Chapter 2810, "Master Material License Inspection Program." Failure to conduct your program according to NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the NRC Enforcement Policy. The NRC Enforcement Policy is available on the following internet address: <http://www.nrc.gov/about-nrc/regulatory/enforcement/enforce-pol.html>.

An electronic version of the NRC's regulations is available on the NRC Web site at <http://www.nrc.gov/>. Additional information regarding use of radioactive materials may be obtained on the NRC Web site at <http://www.nrc.gov/materials/miau/mat-toolkits.html>. This site also provides the link to the toolbox for updated information on the revised regulations for naturally-occurring and accelerator-produced radioactive materials (NARM). Additional information regarding medical uses of radioactive materials may be obtained on the NRC Web site at: <http://www.nrc.gov/materials/miau/med-use-toolkit.html>. This site also provides the updated Training and Experience NRC Form 313A series of forms and guidance, as well as information on the revised regulations for naturally-occurring and accelerator-produced radioactive materials (NARM).

The NRC medical list server has been set up. The list server will send automatic e-mail notifications of medical-related generic communications, Federal Register Notices, and NMSS/FSME newsletters as they are published. Anyone may subscribe/unsubscribe to the new medical list server by sending an e-mail to medical-gc@nrc.gov with "Subscribe" or "Unsubscribe" in the subject line.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at

Thank you for your cooperation.

Sincerely,

/RA/ JACQUELINE D. COOK for
Michelle Simmons, Health Physicist
Nuclear Materials Safety Branch B

Docket: 030-28641
License: 42-23539-01AF
Control: 582771

Enclosure: As stated