



31 May 2022

Document Control Desk, Director
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: License Amendment SNM-7005, Docket No. 70-7029.

Mr. Richard Jervey,

DTRA requests amending License SNM-7005, Amendment 1, as follows:

1. Change the DTRA RSO from Mr. Daniel Mannis to Mr. Daniel Sowers, CHP. Mr. Sowers' resume is provided in Enclosure 1.

If there are any questions or additional information needed, please contact Mr. Daniel Sowers at (571) 616-4665 or email him at daniel.a.sowers2.civ@mail.mil.

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Sherry J. Davis
Director, ESOH Office
DTRA

Enclosure:
As stated

Daniel Sowers, CHP
Defense Threat Reduction Agency

DEFENSE THREAT REDUCTION AGENCY

Apr 2022-Present

Radiation Safety Officer (Fort Belvoir, VA)

- Manages team of 4 on site and 8 throughout the world in the safe handling of DTRA's licensed radioactive material.

HUNTINGTON INGALLS INDUSTRIES NEWPORT NEWS SHIPBUILDING

Jan 2021-Mar 2022

Manager, Radiation Technical Services (Newport News, VA)

- Managed team of 8 to provide high-level health physics consulting to a workforce of 20,000+ supporting the construction, repair, refueling, and decommissioning of US Navy aircraft carriers and submarines.

U.S. NAVY

Jul 2000-Mar 2021

Operations Director, Radiological Affairs Support Office (Yorktown, VA, Sep 2018–Jan 2021)

- Led 33 military and civilian personnel in providing radiological safety, support, and guidance, which serves to protect individuals and the environment from exposure to sources of ionizing radiation.
- Provided MARSSIM, CERCLA, and RESRAD consulting to environmental HP group of 7.
- Provided licensing, auditing, and dose calculation consulting to radiation protection HP group of 9.
- Prudently managed financial resources (\$500K annual budget), championing initiatives—such as changes to administrative processes and implementation of virtual services—that reduced expenses.
- Held weekly training sessions to share up-to-date scientific information about radiation safety, discuss recent relevant publications, and foster a safety culture.
- Maintained infrastructure that supported training of 200+ radiation safety officers annually. This included the procurement of a \$400K contract for a radiography vault, which allowed students to train with live radiation sources, observe the safety interlocks, and perform radiation surveys while the unit is operational.

Department Head, Naval Branch Health Clinic (Portsmouth, NH, Aug 2015–Sep 2018)

- As the northeast region's senior health physicist, led a 7-person geographically separated team to turn around the previously faltering radiation safety program impacting 7,000+ personnel across 4 sites.
- Oversaw the clinic's personal dosimetry and workplace monitoring program, providing audit and dose calculation support.
- Served as the command's laser safety officer for dermatology and dental lasers at 2 sites, monitoring their safe usage, ensuring proper training for all staff, and enforcing laser eye protection controls.
- Led CBRN personnel decontamination drills and training, providing instruction that aligned with the National Committee on Radiation Protection and Measurements (NCRP) Report No. 161 standards.
- Designed and implemented initiatives—such as authoring the first standard operating procedures and initiating cross-training—that increased departmental competencies and programmatic success.

Graduate Student, Purdue University (West Lafayette, IN, Aug 2013–Aug 2015)

Health Physicist, Puget Sound Naval Shipyard (Bremerton, WA, Mar 2013-Aug 2013)

- As qualified processor of DT-702/PD thermoluminescent dosimeters, processed dosimeters and managed records to maintain accreditation with the National Voluntary Laboratory Accreditation Program (NVLAP).

Health Physicist, USS Ronald Reagan (San Diego, CA and Fukushima, Japan, Apr 2011–Mar 2013)

- Managed personal dosimetry and monitoring programs for 450+ reactor department personnel.
- Led team of 6 to perform shipboard *in vivo* monitoring of over 2,100 crewmembers, testing for presence of internally deposited radionuclides following the Fukushima Daiichi nuclear disaster.

Health Physicist/Student, U.S. Navy Training Commands (San Diego, CA, Mar 2010–Mar 2011)

Submarine Maintenance Supervisor, Portsmouth Naval Shipyard (San Diego, CA, Dec 2006–Feb 2010)
Submarine Reactor Operator, USS Charlotte (Pearl Harbor, HI, Feb 2002–Nov 2006)
Nuclear Power School and Various Training (Goose Creek, SC, Jul 2000-Jan 2002)

EDUCATION

- Master of Science in Nuclear Engineering and Radiological Health Sciences, Purdue University, 2015
- Bachelor of Science in Nuclear Engineering Technology, Thomas Edison State College, 2009

TRAINING

- Characterization and Planning for Decommissioning, Nuclear Regulatory Commission, NRC, 2020
- Multi-Agency Radiological Site Survey and Investigation Manual (MARSSIM), NRC, 2020
- Radiological Emergency Planning, Harvard University, 2019
- Health Physics in Radiation Emergencies, Radiation Emergency Assistance Center/Training Site, 2019
- Transportation of Radioactive Material, U.S. Navy, 2019
- Radiation Safety Officer, U.S. Navy, 2019
- Multiple courses and certifications from the Defense Nuclear Weapons School, DTRA, 2018-2019
- Qualified Dosimetry Processor, U.S. Navy, 2013
- Naval Nuclear Power School, U.S. Navy, 2002

(05-2022)
10 CFR 30, 32,
33, 34, 35, 36,
37, 39, and 40



APPLICATION FOR MATERIALS LICENSE

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INSTRUCTIONS: SEE THE CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

MATERIALS SAFETY AND TRIBAL LIAISON BRANCH
DIVISION OF MATERIALS SAFETY, SECURITY, STATE AND TRIBAL PROGRAMS
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,

SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF RADIOLOGICAL SAFETY AND SECURITY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD, SUITE 102
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

IF YOU ARE LOCATED IN:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING,

SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER SNM-7005
- C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include zip code)

Defense Threat Reduction Agency/ESOH
8725 John J Kingman Road MSC 6201
Fort Belvoir, VA 22060-6201

3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED

- a) 9700 Theote Road, Building 1116, Ft. Belvoir, Virginia 22060
- b) 934 N. Waterfront Street, Building 1716, Joint Base Pearl Harbor-Hickam, Hawaii 96860;
- c) Technical Evaluation Assessment Monitor Site (TEAMS), TEAMS Compound, Kirtland Air Force Base, Albuquerque, New Mexico 87123

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Daniel A. Sowers

BUSINESS TELEPHONE NUMBER

(571) 616-4665

BUSINESS CELLULAR TELEPHONE NUMBER

BUSINESS E-MAIL ADDRESS

Daniel.a.sowers2.civ@mail.mil

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

- a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

10. RADIATION SAFETY PROGRAM.

9. FACILITIES AND EQUIPMENT.

12. LICENSE FEES (Fees required only for new applications, with few exceptions*)

(See 10 CFR 170 and Section 170.31)

*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE CATEGORY

1F

AMOUNT ENCLOSED \$

0.00

PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html>.

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 37, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE

Sherry J. Davis, Chief ESOH

SIGNATURE

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5/24/2022

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