



**Idaho State
University**

December 1, 2021

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

From: Donna L. Lybecker
Acting Vice President for Research
Idaho State University

Subject: License Amendment Request: RSO Change

To Whom it May Concern,

We request an amendment to USNRC License 11-27380-01 to replace Mr. John Longley with Mr. Mason Jaussi as the Radiation Safety Officer.

A copy of Mr. Jaussi's CV is included along with this amendment request as attachment 1. Mr. Jaussi has served as the Assistant Radiation Safety Officer on Idaho State University's license 11-27380-01 from February 2019 to present. Mr. Jaussi holds an M.S. in Health Physics with over 5 years of professional experience working in Idaho State University's Radiation Safety Department. Mr. Jaussi expects to receive full certification from the American Board of Health Physics this year and is currently awaiting exam results.

We thank you in advance for your consideration and cooperation on these requested amendments to USNRC license 11-27380-01. If you have any questions or require any more information, please contact me at donnalybecker@isu.edu.

Respectfully submitted,

Dr. Donna L. Lybecker
Acting Vice President for Research
Idaho State University

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DEC 15 2021

DNMS



Attachment 1

Mason Jaussi

masonjaussi@isu.edu

EDUCATION

Idaho State University | Master of Science in Health Physics
GPA: 3.8

Graduated: May 2018

Idaho State University | Bachelor of Science in Physics (Health Physics)
GPA: 3.1

Graduated: May 2015

EXPERIENCE

Assistant Radiation Safety Officer/Health Physicist

Feb. 2019 – Present

Idaho State University | Idaho Accelerator Center

- Provide technical guidance and oversight for all radiological operations performed under ISU's NRC issued Type A Broad Scope, Isotope Production, Reactor, and Special Nuclear Material licenses.
- Development, implementation, and continued improvement of the ISU Radiation Safety Program in accordance with the requirements of 10 CFR 20 and IDAPA 16.02.27.
- International and domestic shipping of medical isotopes and radioactive materials.

Health Physicist

Aug. 2016 – Feb. 2019

Idaho State University | Center for Advanced Energy Studies

- Implementation of federal and state regulations, particularly 10 CFR 20 and IDAPA 16.02.27.
- Development and implementation of CAES and ISU Radiation Safety programs, policies and procedures.
- Provide radiological training to researchers and staff including the use of radiological fume hoods and gloveboxes.

Nuclear Safety Analysis Engineer

Sept. 2015 – Aug. 2016

Battelle Energy Alliance | Idaho National Laboratory

- Prepared and reviewed technical safety analysis and safety basis documents to support operations at the Materials and Fuels Complex.
- Planning, scheduling, and tracking of assigned safety analysis tasks, and preparation of safety analysis reports, technical safety requirements (SARs/TSRs) that meet customer expectations (specifically, the nuclear safety rule, 10CFR830 & 10CFR835).
- Performed, revised, and reviewed dose consequence analyses and Engineering Calculations Analysis Reports (ECAR) through use of software such as MCNP6, RSAC, and MicroShield.

TECHNICAL SKILLS AND RESEARCH

Relevant Software Skills:

MicroShield | MCNP6 | RSAC 6.2 | COMPLY | HotSpot | VARSKIN3 | R | Excel | MySQL

Development and Application of an Am-DTPA Biokinetic Model 2018
Idaho State University, M.S. Health Physics, Thesis

Stochastic Modeling of Radioactive Materials Release from DOE Facilities 2015
Idaho State University, B.S. Health Physics, Senior Design Project

PROFESSIONAL ORGANIZATIONS

American Academy of Health Physics 2019 - Present
Associate Member

National Health Physics Society 2013 - Present
Member

Eastern Idaho Chapter - Health Physics Society 2013 - Present
Member

RELEVANT TRAINING AND CERTIFICATIONS

Part 1 - ABHP Exam Jul. 2019
American Board of Health Physics

Advanced Mixed Waste Shipper (DOT) Oct. 2021
Atkins, 24-hr certification

Air Transport of Radioactive Materials (IATA/DOT) Mar. 2021
Atkins, 8-hr re-certification

Advanced Radioactive Materials Shipper (IATA/DOT) Feb. 2019
Atkins, 24-hr certification

Laboratory Operations Supervisor Academy (LOSA) Nov. 2018
U.S. Department of Energy, Argonne National Laboratory

Radiation Safety Officer Aug. 2018
Dade Moeller/NV5 40-hour certification

REFERENCES

Available upon request

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|---|--|---|----------------------------|---|--|---|--|
| NRC FORM 313 (01-2020) 10 CFR 30, 32, 33, 34, 35, 36, 37, 39, and 40 | U.S. NUCLEAR REGULATORY COMMISSION  APPLICATION FOR MATERIALS LICENSE | APPROVED BY OMB: NO. 3150-0120 Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Information Services Branch (T-6 A10M), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollections.Resource@nrc.gov , and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection. | EXPIRES: 01/31/2023 | | | | |
| 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 LICENSING BRANCH DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING 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 NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I 2100 RENAISSANCE BOULEVARD, SUITE 100 KING OF PRUSSIA, PA 19406-2713 | | 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: NUCLEAR 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) <input type="checkbox"/> A. NEW LICENSE <input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <u>11-27380-01</u> <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____ | | 2. NAME AND MAILING ADDRESS OF APPLICANT (Include zip code) Idaho State University 921 South 8th Ave., Stop 8042 Pocatello, ID 83209-8103 | | | | | |
| 3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED Addresses listed in Condition 10 of License 11-27380-01 | | 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION Mason Jaussi <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%;">BUSINESS TELEPHONE NUMBER (208) 282-1132</td> <td style="width:50%;">BUSINESS CELLULAR TELEPHONE NUMBER (208) 530-3813</td> </tr> <tr> <td colspan="2">BUSINESS E-MAIL ADDRESS masonjaussi@isu.edu</td> </tr> </table> | | BUSINESS TELEPHONE NUMBER (208) 282-1132 | BUSINESS CELLULAR TELEPHONE NUMBER (208) 530-3813 | BUSINESS E-MAIL ADDRESS masonjaussi@isu.edu | |
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| BUSINESS E-MAIL ADDRESS masonjaussi@isu.edu | | | | | | | |
| 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. | | 11. WASTE MANAGEMENT. | | | | | |
| | | FEE CATEGORY | N/A | | | | |
| | | 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 Donna L. Lybecker / Acting Vice President for Research | | SIGNATURE  | DATE 12/01/2021 | | | | |
| FOR NRC USE ONLY | | | | | | | |
| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS | | |
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| APPROVED BY | | | | DATE | | | |

Office for Research
Idaho State University
121 South 8th Ave MS 8130
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Nuclear Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region IV
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Arlington, TX 76011-4511