UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
612 EAST LAMAR BLVD, SUITE 400
ARLINGTON, TEXAS 76011-4125

March 14, 2011

Idaho State University
ATTN: Richard R. Brey, Ph.D., CHP
Radiation Safety Officer
Technical Safety Office
921 South 8th Ave., Stop 8106
Pocatello, Idaho 83209-8106

SUBJECT: LICENSE AMENDMENT

Please find enclosed Amendment Number 21 to NRC License Number 11-27380-01 **adding Jay F. Kunze, Ph.D. as Radiation Safety Committee (RSC) chairperson as requested. On letter dated December 9, 2010, Pamela Crowell, Ph.D. requested that License 11-27380-01 be amended as follows.**

1. **Change the RSC chairperson to Jay F. Kunze, Ph.D.,**

2. **Add MCERC Engineering Research Building (Building 79) as a location of use, and**

3. **Add authorization for depleted uranium and natural uranium for the UO_2 Engineering Single Crystal Project.**

Please note that we are unable to approve your request for Items 2 and 3 at this time due to insufficient information.

Submit a license amendment request for Item 2, with the following information.

1. **Look at Items 6.A. through 6.Z. of the license and indicate which of these Items are going to be used at MCERC Engineering Research Building (ISU Building 79) and need to be authorized in the license.**

2. **Indicate if depleted uranium and natural uranium as UO_2 for the UO_2 Engineering Single Crystal Project will be used at MCERC Engineering Research Building.**

3. **Provide information of "Facilities and equipment" as described in page C-6 of NUREG-1556, Volume 11, which can be located at: http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v11/.**

Submit a license amendment request for Item 3, with the following information.

1. **Indicate location (physical address) where the UO_2 Engineering Single Crystal Project will be conducted.**

2. **Provide information of "Facilities and equipment" as described in page C-6 of NUREG-1556, Volume 11, which can be located at: http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v11/.**

3. **Indicate the chemical and/physical form of natural uranium and depleted uranium that needs to be authorized in the license.**

4. **Indicate the maximum amount of natural uranium as UO_2 that may be possessed at any one time.**

5. **Indicate the maximum amount of depleted uranium as UO_2 that may be possessed at any one time.**

6. **Provide information of "Instruments", "Material Receipt and Accountability", Occupational Dose (including bioassay)", "Safe Use of Radionuclide and Emergency Procedures", Surveys", and "Waste Management" as described in pages C-6 through C-11 of NUREG-1556, Volume 11, which can be located at: http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v11/.**

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14)(v). You should review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or if you have any questions, contact me at 817-860-8189.

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 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. In particular, note that you must:

1. Operate by NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.

2. Notify NRC in writing of any change in mailing address.

3. By 10 CFR 30.36(d) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:

    a. When you decide to terminate all activities involving materials authorized under the license whether at the entire site or any separate building or outdoor area;

b. If you decide not to acquire or possess and use authorized material; or

c. When no principal activities under the license have been conducted for a period of 24 months.

5. Submit a complete renewal application or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.

NRC will periodically inspect your radiation safety 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/reading-rm/doc-collections/enforcement/.

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 http://www.nrc.gov/reading-rm/adams.html.

Thank you for your cooperation.

Sincerely,

/RA/

Roberto J. Torres, Senior Health Physicist
Nuclear Materials Safety Branch B

Docket: 030-32322
License: 11-27380-01
Control: 574196

Enclosure: As stated