



**Idaho State  
University**

March 19, 2021

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

RE: Idaho State University-Special Nuclear Materials License Number 1373, Amendment Request to  
Update University Officers Roster  
Docket Number (70-1374)

Dear Mr. Siurano-Perez:

I am writing to request an update to the university officers roster for SNM License Number 1373. These updates reflect the changes in Amendment 6, as approved in your letter dated January 28, 2021. The updates include naming Mr. Kermit Bunde as Chairperson of the Reactor Safety Committee and the removal of the Provost and Dean of the College of Science and Engineering from the list as they are not in the management chain for the special nuclear material and reactor licenses specified in the ISU Radiation Safety Manual. Furthermore, the Provost and Dean of Science and Engineering are not included in the Minimum Qualifications of University Personnel (Attachment IV to the SNM-1373 License).

As outlined in Amendment 6 of our license, the minimum qualifications for the Chairperson of Reactor Safety Committee are as follows:

- BS or higher in an engineering field or physical science field
- At least 5 years of experience related to nuclear reactor operations (need not have power reactor experience)
- A professional engineering license is desirable but not essential

As indicated in the attached curriculum vitae, Mr. Kermit Bunde exceeds these minimum qualifications:

- He holds an MS in Nuclear Engineering, in addition to a BS in Engineering, from Idaho State University
- He has 15 years of experience in his current position as Nuclear Safety and Nuclear Critically Safety Subject Matter Expert with the U.S. Department of Energy, in addition to previous positions
- He is a Licensed Professional Nuclear Engineer.

These requested changes are reflected in the attached "Roster of University Officials and Nuclear Personnel Responsible for Materials License SNM-1373, Docket No. 70-1374."

MOD6

NMSS2D  
NMSS

Office for Research

921 South 8th Ave., Stop 8130 | Pocatello, ID 83209-8130 | (208) 282-2592 | isu.edu/research

If you have any additional questions, please contact me via email at [lybedonn@isu.edu](mailto:lybedonn@isu.edu)

Sincerely,

A handwritten signature in black ink, appearing to read "Donna Lybecker". The script is cursive and fluid, with the first name "Donna" being more prominent than the last name "Lybecker".

Donna Lybecker, Ph.D.  
Acting Vice President for Research  
Idaho State University  
Pocatello, Idaho 83209

Cc:

Mr. Osiris Siurano-Perez, NRC (email),  
Mr. Kevin Ramsey, NRC (email),  
Mr. Xiaosong Yin, NRC (email),  
Dr. Mary Lou Dunzik Gougar, ISU (email),  
Mr. John Longley, ISU (email),  
Mr. Kermit Bunde, DOE (email),  
Mr. George Imel, ISU (email),  
Mr. Jonathan Scott, ISU (email).

**ATTACHMENT I - Revised March 2021**

**Roster of University Officials and Nuclear Personnel  
Responsible for Materials License SNM-1373, Docket No. 70-1374**

**President of the University**

Kevin Satterlee, J.D.  
264 Administration Building, Mail Stop 8310  
Idaho State University  
Pocatello, ID 83209-8310  
Tel: (208) 282-3440  
Email: [sattkevi@isu.edu](mailto:sattkevi@isu.edu)

**Vice President for Research (Responsible University Officer)**

Donna Lybecker, Ph.D.  
106 Administration Building, Mail Stop 8130  
Idaho State University  
Pocatello, ID 83209-8130  
Tel: (208) 282-2592  
Email: [lybedonn@isu.edu](mailto:lybedonn@isu.edu)

**Chairperson of the Reactor Safety Committee**

Kermit Bunde, P.E.  
US Department of Energy, Idaho Operations Office  
1995 Fremont Street  
Idaho Falls, ID 83415  
Tel: 208-526-5188  
Email: [bundeka@id.doe.gov](mailto:bundeka@id.doe.gov)

**Reactor Administrator and Acting Reactor Supervisor**

Mary Lou Dunzik-Gougar, Ph.D.  
Center for Advanced Energy Studies  
Idaho State University  
Pocatello, ID 83209-8060  
Tel: (208) 533-8111  
Cell: (208) 569-9915  
Email: [mldg@isu.edu](mailto:mldg@isu.edu)

**Assistant Reactor Administrator**

George Imel, Ph.D.  
Lillibridge Engineering Laboratory  
Idaho State University  
Pocatello, ID 83209-8060  
Tel: (208) 282-3732  
Fax: (208) 282-4538  
Email: [gimel@isu.edu](mailto:gimel@isu.edu)

**Reactor Supervisor in Training**

Jonathan Scott  
Lillibridge Engineering Laboratory  
Idaho State University  
Pocatello, ID 83209-8060  
Tel: (208) 282-1491  
Cell: (573) 466-2792  
Email: [scotjon3@isu.edu](mailto:scotjon3@isu.edu)

**Radiation Safety Officer**

John Longley, CHP  
Idaho Accelerator Center  
Idaho State University  
Pocatello, ID 83209-8263  
Tel: (208) 282-5652  
Email: [longjohn@isu.edu](mailto:longjohn@isu.edu)

## **Kermit A. Bunde**

### **PROFESSIONAL SUMMARY:**

25 years professional engineering experience. Areas of expertise: nuclear criticality safety, reactor physics analysis, non-power reactor operations, oversight of nuclear facility operations.

---

### **FORMAL EDUCATION AND CERTIFICATIONS:**

DOE Level 1 Project Manager, 2009

Project Management Professional, 2007

Licensed Professional Nuclear Engineer – Idaho, 2001

Certified as a Reactor Supervisor for USDOE operated TRIGA reactor, 1998

MS, Nuclear Engineering, Idaho State University, 1996

USNRC Senior Reactor Operator License, Idaho State University AGN-201, 1993

BS, Engineering, Idaho State University, 1991 (Distinguished Military Graduate Army ROTC)

---

### **SIGNIFICANT POSITIONS & ACCOMPLISHMENTS:**

#### *Current Position*

Nuclear Safety and Nuclear Criticality Safety Subject Matter Expert

US Department of Energy, Idaho Operations Office, 2006 – Present

Conduct oversight of the contractor's nuclear safety and nuclear criticality safety programs.

Assisted DOE-ID Security with assessments of contractor material control and accountability program. Provide expert technical advice to the Operations Office management.

ANSI/ANS-8.12 Working Group member. Extensive use of MCNP in support of new limits in this standard.

ANSI/ANS-8.7 Working Group member.

Chair of the DOE Criticality Safety Coordinating Team.

Chair of the Idaho State University Reactor Safety Committee

Elected to the ANS Criticality Safety Division Executive Committee 2019

#### *Past Positions*

Facility Representative, US Department of Energy, Idaho Operations Office, 2001 – 2006

Oversight of contractor-operated, government-owned spent nuclear fuel storage facilities.

Nuclear Engineer, Argonne National Laboratory-West, 1996 – 2001

Operated and supervised TRIGA reactor based neutron radiography facility, performed reactor physics calculations in support of liquid metal fast reactor experiment irradiations, performed nuclear criticality safety calculations and managed nuclear criticality safety program for numerous facilities at Argonne National Laboratory-West, and co-authored three benchmark submittals in the International Handbook of Evaluated Criticality Safety Benchmarks

Experiments. Extensive use of NJOY for cross section manipulation, TWODANT for reactor physics calculations involving EBR-II experiments, VIM for ZPPR reactor analysis and benchmark development, MCNP for ZPPR reactor analysis and benchmark development, and MCNP for TREAT reactor analysis.

Graduate Student, Argonne National Laboratory-West, 1992 – 1996

Completed research toward a Nuclear Science and Engineering Master of Science degree and started research work toward a Nuclear Science and Engineering PhD.

Navy Reserve Officer, US Navy Reserve, 1996 – 2012

Held various unit positions up to being the Officer in Charge of a 22-man unit supporting the Navy's public shipyards. Supported post-CABLE boiler explosion corrective actions.

Supported general boiler plant life extension actions.

Army Officer, Idaho Army National Guard, 1990 – 1996

Held various unit positions as a Field Artillery Officer up to unit Executive Officer of a 90 man firing battery. Maintained unit readiness to execute assigned missions.

---

## **PUBLICATIONS**

**THE URANIUM/IRON BENCHMARK ASSEMBLY: A 235U(93%)/IRON CYLINDER REFLECTED BY STAINLESS STEEL**, Evaluators Robert W. Schaefer, Kermit A. Bunde, and Peter J. Collins (Argonne National Laboratory-West), Internal Reviewer Richard D. McKnight (Argonne National Laboratory-East), HEU-MET-FAST-035, International Handbook of Evaluated Criticality Safety Benchmark Experiments

**THE U9 BENCHMARK ASSEMBLY: A CYLINDRICAL ASSEMBLY OF U METAL (9% 235U) WITH A THICK DEPLETED-URANIUM REFLECTOR**, Evaluators Kermit A. Bunde and Richard D. McKnight (Argonne National Laboratory), Internal Reviewers Robert W. Schaefer and Richard M. Lell, IEU-MET-FAST-010, International Handbook of Evaluated Criticality Safety Benchmark Experiments

**Prediction of Stainless Steel Activation in Experimental Breeder Reactor 2 (EBR-II) Reflector and Blanket Subassemblies**, Kermit A. Bunde, Presented to the Youth Department Conference, Youth Department, Russian Nuclear Society, Obninsk, Russian Federation, October 17-19, 1996.

**Prediction of Stainless Steel Activation in Experimental Breeder Reactor 2 (EBR-II) Reflector and Blanket Subassemblies**, Kermit A. Bunde, Master of Science Thesis, Idaho State University, Pocatello, Idaho, October 29, 1996

### **Publications Reviewed:**

**ZPR-3 ASSEMBLY 23: A CYLINDRICAL ASSEMBLY OF U METAL (93% 235U) AND ALUMINUM REFLECTED BY DEPLETED-URANIUM**, Evaluators Richard D. McKnight and Amr Mohamed (Argonne National Laboratory), Internal Reviewers Robert W. Schaefer and Kermit A. Bunde (Argonne National Laboratory-West), HEU-MET-FAST-055, International Handbook of Evaluated Criticality Safety Benchmark Experiments

### **Publications (analyst and coauthor):**

**Relationship Between In-reactor Stress Relaxation and Irradiation Creep**; John Paul Foster, E. R. Gilbert, Kermit Bunde, and Douglas L. Porter; Journal of Nuclear Materials 252 (1998), pages 89-97.

**Stress State Dependence of Transient Irradiation Creep in 20% Cold Worked 316 Stainless Steel**; John Paul Foster, Kermit Bunde, and E. Robert Gilbert; Journal of Nuclear Materials 257 (1998) pages 118-125.

**Temperature Dependence of the 20% Cold Worked 316 Stainless Steel Steady State Irradiation Creep Rate**; John Paul Foster, Kermit Bunde, M. L. Grossbeck, and E. Robert Gilbert; Journal of Nuclear Materials 270 (1999) pages 357-367.

**Calculation of Displacement Rate in EBR-II Reactor Materials**, Steven E. Aumeier, Kermit A. Bunde, and Carole L. Trybus, American Nuclear Society Winter Meeting, San Francisco, CA, October 29 – November 2, 1995

**Measurements of Actinide Transmutation in the Hard Spectrum of a Fast Reactor**, Carole L. Trybus, Peter J. Collins, David W. Maddison, Kermit A. Bunde, Scott Palmtag, and Giuseppe Palmiotti, presented at GLOBAL 1995, International Conference on Evaluation of Emerging Nuclear Fuel Cycle Systems, Versailles, France, November 14, 1994

**ANL/CRIEPI Collaboration Program for Evaluation of Irradiated EBR-II Stainless Steels**, ANL-02/13, Todd Allen, Jim Cole, Hanchung Tsai, Ross Jensen, Kermit Bunde, Joji Ohta, Kenji Dohi, and Hideo Kusanagi, Argonne National Laboratory, May 2002