



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."

MDDG

NMSS2D
NMSS

If you have any additional questions, please contact me via email at lybedonn@isu.edu

Sincerely,

A handwritten signature in cursive script that reads "Donna 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

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

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

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

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

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

Radiation Safety Officer

John Longley, CHP
Idaho Accelerator Center
Idaho State University
Pocatello, ID 83209-8263
Tel: (208) 282-5652
Email: 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 ^{235}U (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% ^{235}U) 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% ^{235}U) 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