

## **CORRECTED SAFETY EVALUATION REPORT**

DOCKET: 70-113

LICENSEE: PENNSYLVANIA STATE UNIVERSITY

SUBJECT: CORRECTED SAFETY EVALUATION REPORT: APPOINTMENT OF  
YUANQING GUO AS RADIATION SAFETY OFFICER

### **1. BACKGROUND**

Pennsylvania State University (PSU) holds special nuclear materials (SNM) License SNM-95, which was last renewed on October 27, 2003. Until October 5, 2017, Mark Linsley had served as the radiation safety officer (RSO). The licensee submitted a letter dated October 5, 2017 (Agencywide Documents Access and Management System Accession Number ML17284A187), informing the staff at the U.S. Nuclear Regulatory Commission (NRC) of the appointment of Dr. Yuanqing Guo as Interim RSO. The resume of Dr. Guo was attached.

### **2. DISCUSSION**

#### **2.1. Regulatory Requirements**

Title 10 of the *Code of Federal Regulations* (10 CFR) Paragraph 70.22(a)(6) states, in part, that the contents of a license application must include the technical qualifications, including training and experience of the applicant and members of the staff to engage in the proposed activities.

#### **2.2. NRC Staff Evaluation**

Dr. Guo possesses a B.S. in Chemistry, with advanced degrees in Health Physics and Atomic and Molecular Physics. He is a Certified Health Physicist. He has been involved professionally as a research scientist and research assistant, directing a number of projects of increasing complexity between 2003 and 2010.

He has served as a Health Physicist from 2011 to 2016 and Assistant RSO at PSU since 2016. In these roles he has provided oversight for diverse radiation safety programs. As Assistant RSO, he provided training, supervision, and compliance functions directly applicable to the safety and security of both the Agreement State and NRC licenses overseen by the RSO.

Prior to assisting the RSO at PSU, Dr. Guo performed development and investigation functions for a wide variety of research projects at Colorado State University, Fort Collins, Colorado. These projects provided relevant training and experience for his future work at PSU.

#### **2.3. Conclusion**

Dr. Guo has the requisite knowledge and experience to perform the responsibilities of RSO in the PSU environment as described in sections 2.1 and 2.3 of the License Application. The staff finds that Dr. Guo possesses the training and experience that meets the requirements of 10 CFR 70.22(a)(6).

Enclosure

### **3. FINDINGS**

The NRC staff finds that Dr. Guo is qualified to fulfill all of the regulatory responsibilities of a RSO at the University.

Based on its review and evaluation provided by PSU in its request dated October 5, 2017, the NRC staff finds that the proposed action is consistent with the requirements of 10 CFR Parts 20, 30, and 70, and therefore acceptable.

### **4. ENVIRONMENTAL REVIEW**

Amendment of the PSU license belongs to a category of actions which the Commission has declared to be categorical excluded from requiring an environmental review, after first finding that the category of actions does not individually or cumulatively have a significant effect on the human environment. Specifically, the action is categorically excluded by 10 CFR 51.22(c)(14)(v), in that it is amendment of a license issued pursuant to 10 CFR Part 70 authorizing the use of radioactive materials for research and development and for educational purposes. Therefore, neither an environmental assessment nor an environmental impact statement is required for the proposed action.

### **5. RECOMMENDATION**

The NRC staff recommends that license SNM-95 be amended to indicate that Mr. Guo is the RSO for PSU.

### **6. PRINCIPAL CONTRIBUTOR**

Merritt N. Baker, Senior Project Manager