



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

REGION III  
2443 WARRENVILLE RD. SUITE 210  
LISLE, IL 60532-4352

**OCT 11 2019**

Armando Lamas  
Quality Manager  
Clarkson Construction Company  
PO Box 34315  
Kansas City, MO 64120

Dear Mr. Lamas:

This letter is in reference to the application dated September 27, 2019, in which you requested an amendment to Radioactive Material License #24-32024-02. Upon review of your request, I identified the following areas requiring additional or clarifying information:

1. As the designated Radiation Safety Officer (RSO), you are responsible for the oversight of licensed operations on a day-to-day basis. You must be provided with sufficient organizational authority and management prerogative to enforce appropriate radiation protection rules, standards, and practices. To formally establish the organization authority of your office, submit a delegation of authority signed by a management representative.
2. In support of your appointment as RSO, I recommend that you review the enclosed copy of Appendix D, "Typical Duties and Responsibilities of the Radiation Safety Officer," from the U.S. Nuclear Regulatory Commission's NUREG-1556, Volume 1, Revision 2, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Portable Gauge Licenses."

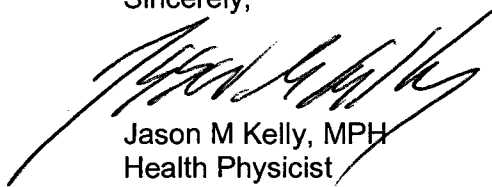
With your response to this letter, include a statement affirming that you commit to performing the duties described in the above-mentioned Appendix D or include your own equivalent listing of Duties and Responsibilities of the Radiation Safety Officer.

For your reference, the program specific guidance for your license is NUREG-1556, Volume 1, Rev. 2 dated June 2016. This guidance is available on the NRC Web site at: <https://www.nrc.gov/docs/ML1617/ML16175A375.pdf>.

To continue the review of your amendment request, please submit a written response to this letter by November 11, 2019. Your response must be dated and signed by a licensee's representative and please reference Mail Control Number 616006 in the response. To expedite the licensing process, you may fax your response to (630) 515-1078. If you have any questions or require clarification on any of the information stated above, please do not hesitate to contact me at (630) 829-9737 or [Jason.Kelly@nrc.gov](mailto:Jason.Kelly@nrc.gov).

In accordance with Title 10 of the *Code of Federal Regulations* Section 2.390 of the U.S. Nuclear Regulatory Commission's (NRC) "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 Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jason M Kelly', is written over the typed name and title.

Jason M Kelly, MPH  
Health Physicist  
Materials Licensing Branch

License No. 24-32024-02  
Docket No. 030-38813

Enclosure(s): As Stated

## **APPENDIX D**

### **TYPICAL DUTIES AND RESPONSIBILITIES OF THE RADIATION SAFETY OFFICER**

## **Typical Duties and Responsibilities of the Radiation Safety Officer**

The radiation safety officer's (RSO's) duties and responsibilities (illustrated in Figure 8-1) typically include ensuring the following:

- Licensed activities that the RSO considers unsafe are stopped.
- Possession, use, storage, and maintenance of sources and gauges are consistent with the limitations in the license, the Sealed Source and Device registration certificate(s), and the manufacturer's recommendations and instructions.
- Individuals who use gauges are properly trained.
- Radiation exposures are kept as low as is reasonably achievable (ALARA).
- Prospective evaluations are performed to demonstrate that unmonitored individuals are not likely to receive a radiation dose in excess of the limits in 10 CFR 20.1502(a) or that personnel monitoring devices are provided.
- When necessary, personnel monitoring devices are used and exchanged at the proper intervals, and records of the results of such monitoring are maintained.
- Up-to-date operating, emergency, and security procedures are developed, implemented, maintained, and distributed.
- Safety consequences of nonroutine operations are analyzed before conducting any such activities that have not been previously analyzed.
- Nonroutine operations are performed by the manufacturer, distributor, or person specifically authorized by the U.S. Nuclear Regulatory Commission (NRC) or an Agreement State.
- Documentation is maintained to demonstrate, by measurement or calculation, that the total effective dose equivalent to the individual member of the public likely to receive the highest dose from the licensed operation does not exceed the annual limit in Title 10 of the *Code of Federal Regulations* (10 CFR) Part 20.1301, "Dose limits for individual members of the public."
- Gauges are properly secured.
- Proper authorities are notified in case of accident, damage to, or malfunction of gauges, fire, loss, or theft.
- Unusual occurrences involving the gauge (e.g., malfunctions, accident, damage, theft) are investigated, cause(s) are determined, and appropriate corrective action(s) are identified, and corrective action taken.

- Audits are performed at least annually and documented, and corrective actions are taken.
- When the licensee identifies violation(s) of regulations or license conditions or program weaknesses, corrective action(s) are developed, implemented, and documented.
- Licensed material is transported in accordance with all applicable NRC and U.S. Department of Transportation requirements.
- Licensed material is disposed of properly.
- All required records are maintained.
- An up-to-date license is maintained, and amendment and renewal requests are submitted in a timely manner.
- Documents are posted as required by 10 CFR 19.11, "Posting of notices to workers," (10 CFR Part 19, license documents, operating procedures, NRC Form 3, "Notice to Employees,"), and 10 CFR 21.6, "Posting Requirements," (10 CFR Part 21 Section 206 of the Energy Reorganization Act of 1974, procedures adopted under Part 21), or a noted is posted indicating where these documents can be examined.

### Model Delegation of Authority to Radiation Safety Officer

Memo To: Radiation Safety Officer  
From: Chief Executive Officer  
Subject: Delegation of Authority

You, \_\_\_\_\_, have been appointed radiation safety officer and are responsible for ensuring the safe use of radiation. You are responsible for managing the Radiation Protection Program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations, when justified, to maintain radiation safety. You are required to notify management if staff does not cooperate and does not address radiation safety issues. In addition, you are free to raise issues with the U.S. Nuclear Regulatory Commission at any time. It is estimated that you will spend \_\_\_\_\_ hours per week conducting radiation protection activities.

\_\_\_\_\_  
Signature of Management Representative

\_\_\_\_\_  
Date

I accept the above responsibilities,

\_\_\_\_\_  
Signature of Radiation Safety Officer

\_\_\_\_\_  
Date

cc: Affected department heads