

**ITEMS 5 and 6: Radiation Material and Purpose(s) for Which Licensed material will be Used**

Y	N	Element and Mass Number	Manufacturer/Model	Quantity	Use as Listed on SSD Certification	Specify other uses not listed on SSD Certificate
Y		Cesium – 137	Humboldt 5001	0.37 GBq	Yes – Determination of Moisture Content and Density of Various Materials of Construction.	N/A
			Troxler 3440	0.37 GBq	Yes – Same as above.	N/A
			Troxler 4640B	0.30 GBq	Yes – Same as above.	N/A
Y		Americium – 241	Humboldt 5001	1.48 GBq	Yes – Same as above.	N/A
			Troxler 3440	1.48 GBq	Yes – Same as above.	N/A
	N	Californium – 252				
	N	Other				

**ITEM 7: Individual (s) Responsible for Radiation Safety Program and Their Training Experience**

Before obtaining licensed materials, the RSO will have successfully completed one of the training courses described in Criteria in the Section entitled “Individual(s) Responsible for the Radiation Safety Program and Their Training and Experience – Radiation Safety Officer” in NUREG-1556, Vol. 1, Rev. 2.

**Radiation Safety Officer:** Caitlin McGee **E-mail Address:** [cmcgee@pennoni.com](mailto:cmcgee@pennoni.com)

**Training Experience:** Qal-Tek Associates LLC, Radiation Safety Officer Training Class, October 28, 2016

#### **ITEM 8: Training for Individuals Working In or Frequenting Restricted Areas**

Before using licensed materials, authorized users will have successfully completed one of the training courses described in Criteria in the Section entitled “Training for Individuals Working In or Frequenting Restricted Areas” in NUREG-1556, Vol.1, Rev. 2.

**ITEM 9: Facilities and Equipment** – The permanent storage location for in the USNRC jurisdiction is within the Pennoni Office space located at 121 Continental Drive, Suite 207, Newark, DE 19713. The storage location is depicted on the attached diagram, within a storage closet on the 2<sup>nd</sup> floor of the building.

The Building floors are at least 10 feet and height. The floors are made of concrete which is carpeted or tiled. Below the storage location is an office conference space. Above the storage space is another office. The nearest dosimetry badge is currently positioned 9 feet from where the gages are placed. Note, since Pennoni began using the space in for storage, the lifetime maximum exposure dose measured continuously by the room dosimetry badge is 546 milliRem; see latest report attached.

The storage location is a storage closet on the 2<sup>nd</sup> floor.

#### **ITEM 10: Radiation Safety Program**

- Audit Program – *No information needed with application.*
- Termination of Activities – *No information needed with application.*
- Survey Instruments – We possess and use a radiation survey meter that meets the Criteria in the Section entitled “Radiation Safety Program – Instruments” in NUREG-1556, Vol.1, Rev.2.
- Material Receipt and Accountability – Physical Inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.
- Occupational Dosimetry – Either we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20, or we will provide dosimetry processed and evaluated by an NVLAP-approved processor that is exchanged at a frequency recommended by the processor.
- Public Dose – *No information needed with application.*
- Operating and Emergency Procedures – Operating and emergency procedures will be maintained that meet the criteria in the Section entitled “Radiation Safety Program – Operating and Emergency Procedures” in NUREG-1556, Vol.1, Rev. 2.
- Leak Tests – Leak Tests will be performed at intervals approved by the NRC or an Agreement State and specified in the Sealed Source and Device Registration Sheet. Leak Tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services for other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier’s instruction.

- Maintenance
  - Routine Cleaning and Lubrication – We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer’s recommendations and instructions.
  - Non-Routine Maintenance – We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.
- Transportation - *No information needed with application.*

**ITEM 11: Waste Management** – *No information needed with application*