

Mail Control# 585188

Attn: Sara A. Foster
Materials Licensing Branch
Region III Office
2443 Warrenville Road, Suite 210
Lisle IL 60532

Additional Information Required for New Material License Application

1. *Concerning authorized materials uses, please indicate the specific radionuclides to be authorized, including the sealed source and/or device manufacturer/distributor and model numbers. Also list the overall possession limit for each authorized radionuclide.*

The specific radionuclides to be authorized: Americium-241

Sealed Source: TIG welded single stainless steel capsule measuring 4.0mm (external Diameter) 3mm (Active Diameter) 10mm (Height) with a 0.2-0.25 window thickness.

Device manufacturer: Eckert & Ziegler Cesio s.r.o., Radiova 1, 10227 Praha 10, Czech Republic

Device Distributor: Eckert & Ziegler Isotope Products GmbH, Robert Rossle Str. 10, 13125 Berlin, Germany

Overall possession limit for each authorized radionuclide: Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate 0.05 ci total

2. a. *Current written memorandum of understanding/delegation of authority (see attached pg. 2,3)*
b. *Training and experience details showing completion of the training in NUREG 1556 Vol. 1 (see attached pg. 4)*
3. *Non-Routing maintenance (see attached pg. 5)*

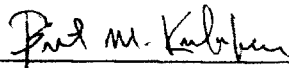
Page 2: Current written memorandum of understanding/delegation of authority

The RSO's duties and responsibilities are illustrated in Figure 8.1 and typically include ensuring the following:

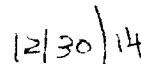
- Licensed activities that the RSO considers unsafe are stopped.
- Possession, use, storage, and maintenance of sources and gauges are consistent with the limitations in the license, the Sealed Source and Device Registration sheet(s), and the manufacturer's recommendations and instructions.
- Individuals who use gauges are properly trained;
- When necessary, personnel monitoring devices are used and exchanged at the proper intervals; records of the results of such monitoring are maintained;
- Gauges are properly secured;
- Proper authorities are notified in case of accident, damage to gauges, fire, or theft;
- Unusual occurrences involving the gauge (e.g., accident, damage) are investigated, cause(s) and appropriate corrective action are identified, and corrective action is taken;
- Audits are performed at least annually and documented, and corrective actions are taken;
- Licensed material is transported in accordance with all applicable DOT requirements;
- Licensed material is disposed of properly;
- Appropriate records are maintained;
- An up-to-date license is maintained and amendment and renewal requests are submitted in a timely manner;
- Up-to-date operating and emergency procedures are developed, maintained, distributed, and implemented;
- Non-routine operations are performed by the manufacturer, distributor, or person specifically authorized by NRC or an Agreement State;
- Documentation is maintained to demonstrate, by measurement or calculation, that the TEDE to the individual member of the public likely to receive the highest dose from the licensed operation does not exceed the annual limit in 10 CFR 20.1301;
- When the licensee identifies violations of regulations or license conditions or program weakness, correct actions are developed, implemented, and documented;
- Posting of documents required by 10 CFR 19.11 (Parts 19 and 20, license documents, operating procedures, NRC Form 3, "Notice to Employees"), and 10CFR 21.6 (Part 21, Section 206 of Energy Reorganization Act of 1974, procedures adopted pursuant to Part 21) or posting a notice indicating where these documents can be examined.

Page 3: Current written memorandum of understanding/delegation of authority

You, Julijana Kuhnhen, have been appointed radiation safety office 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 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 2 hours per week conducting radiation protection activities.

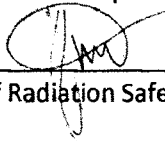


Signature of Management Representative

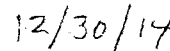


Date

I accept the above responsibilities,



Signature of Radiation Safety Officer



Date

Page 4: *Training & experience details showing completion of the training in NUREG 1556 Vol. 1, Appendix D, or equivalent*

Page 5: *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.

Forster, Sara

From: Julijana Kuhnhenh <julijanakuhnhenh@gmail.com>
Sent: Friday, January 02, 2015 9:30 AM
To: Forster, Sara
Subject: Re: Control# 585188
Attachments: NRC License.pdf

Hi Sara, I look forward to speaking with you on Tuesday. Anytime after 9am would be great. My cell number is (586) 335-9277. I have attached the document again, please let me know if you can see it.

Thank you

On Fri, Jan 2, 2015 at 3:09 PM, Forster, Sara <Sara.Forster@nrc.gov> wrote:
Hi Ms. Kuhnhenh:

I am out of the office today but will be in touch with you on Tuesday. I cannot see the additional information referenced in the email below. Once it is received, we will need to schedule a pre-licensing site visit. We can discuss that, as well as anything else needed to complete the review, when we speak on Tuesday. Is there a good time for me to reach you?

Sincerely,
Sara Forster
Materials Licensing Reviewer
U.S. NRC
(630) 829-9892

From: Julijana Kuhnhenh [julijanakuhnhenh@gmail.com]
Sent: Thursday, January 01, 2015 10:45 PM
To: Forster, Sara
Subject: Control# 585188

Good afternoon Sara. Attached you will find the additional information in regards to my Materials License. I spoke with your associates in regards to certification as a NSO, mainly where I get certified. Due the New Year, I have not received a response from the Krones distributor in regards to training. Please let me know how you want to proceed. I'm sure there will not be a problem in obtaining certification prior the issuance of any license. If you have any questions, please let me know by return email or by calling me directly at (586) 335-9277.

Thank you and best regards,
Julijana Kuhnhenh