



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD – SUITE 102  
KING OF PRUSSIA, PA 19406-1415

June 13, 2025

Luc Desgagne, Senior Licensing Coordinator  
Nordion (Canada), Inc.  
447 March Road  
Ottawa, Ontario  
Canada K2K 1X8

**SUBJECT: NORDION (CANADA), INC., REQUEST FOR ADDITIONAL INFORMATION,  
MAIL CONTROL NO. 645445**

Dear Luc Desgagne:

This is in reference to your application dated February 27, 2025, requesting to renew NRC License No. 54-28275-02MD. In order to continue our review, we need the following additional information:

1. NUREG-1556, Volume 12, Revision 1 “Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Possession Licenses for Manufacturing and Distribution” (NUREG), Appendix B, Item 10, Surveys and Leak Tests provides three options for demonstrating compliance with leak testing requirements. Please provide one of the following responses:
  - a. Commit to Option 1: “We will perform contamination checks on all fabricated sealed sources prior to distribution. Also, leak tests will be performed at the intervals approved by NRC or an Agreement State and specified in the SSD registration certificate. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services to other licensees or leak tests may be collected by the licensee using the sealed source or plated foil manufacturer’s, distributor’s, and leak test kit supplier’ instructions. Such leak test kits should be supplied by an organization authorized by the NRC or an Agreement State to provide leak testing services.”,
  - b. Commit to Option 2: “We will perform contamination checks on all fabricated sealed sources prior to distribution. Also, leak tests will be performed at the intervals approved by NRC or an Agreement State and specified in the SSD registration certificate. We will follow the model procedures in Appendix N of NUREG–1556, Vol. 12, Rev. 1, “Consolidated Guidance about Material Licenses: Program- Specific Guidance about Possession Licenses for Manufacturing and Distribution.””, or
  - c. Submit copies of the procedures referenced in your application:
    - i. CO-C5/IT-0004, Operation of Varian Leak Detection Software,
    - ii. CO-C5/OP-0011, Helium Pressurization of Ion Technology Radioactive Sources, and

iii. CO-PRD/OP-0033, Ultrasonic Effluent Test Procedure

2. In addition to the instrument calibration commitments made in your application, please also commit to the following statement:
  - a. Nordion's calibration procedures are in full compliance with NUREG-1556, Volume 12, Revision 1, Appendix H.

We will continue our review upon receipt of this information. Please reply to my attention at:

[R1DRSSMail.Resource@nrc.gov](mailto:R1DRSSMail.Resource@nrc.gov)  
Reference – Michael Reichard  
Mail Control No. 645445

In order to continue prompt review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter.

An electronic version of the NRC's regulations is available on the NRC Web Site at: [www.nrc.gov](http://www.nrc.gov). Additional information regarding use of radioactive materials may be obtained on the NRC Web Site at: <http://www.nrc.gov/materials/miau/mat-toolkits.html>. This site also provides the link to the toolbox for updated information on the revised regulations for naturally-occurring and accelerator-produced radioactive materials (NARM).

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web Site at: <http://www.nrc.gov/reading-rm/adams.html>. Please be aware that you may request that certain portions of your submittal to NRC be withheld from public disclosure as proprietary information. To do this, you must execute an affidavit as specified in 10 CFR 2.390. You must list all portions that you wish to be held proprietary, along with your reasoning as to why that is appropriate. While it is allowable, please refrain from submitting proprietary information in support of a license unless necessary. Keep in mind that all NRC licenses are considered to be in the public domain, and therefore may be viewed by any member of the public who requests to see them.

If you have any questions regarding this request for additional information, please contact me at 610-337-6945 or via electronic mail at [Michael.Reichard@nrc.gov](mailto:Michael.Reichard@nrc.gov).

Thank you for your cooperation.

Sincerely,

Michael Reichard, Senior Health Physicist  
Commercial, Industrial, R&D  
and Academic Branch  
Division of Radiological Safety and Security  
Region I

License No. 54-28275-02MD  
Docket No. 030-30793  
Mail Control No. 645445

SUBJECT: NORDION (CANADA), INC., REQUEST FOR ADDITIONAL INFORMATION,  
MAIL CONTROL NO. 645445 DATED JUNE 13, 2025

**SUNSI Review Complete: Michael Reichard**

After declaring this document "An Official Agency Record" it **will** be released to the Public.

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| OFFICE | RI:DRSS    | RI:DRSS   |  |  |
| NAME   | AHastings  | MReichard |  |  |
| DATE   | 06/02/2025 | 6/13/2025 |  |  |

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