



IN REPLY
REFER TO

DLA-TC

DEFENSE LOGISTICS AGENCY

LAND & MARITIME
POST OFFICE BOX 3990
COLUMBUS, OH 43218-3990

Br. 2

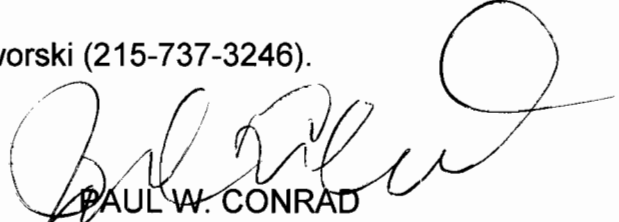
January 20, 2012

MEMORANDUM FOR NUCLEAR REGULATORY COMMISSION

SUBJECT: Renewal of NRC License No. 37-10913-06, Docket No. 030-29497

Defense Logistics Agency Product Test Center – Analytical
700 Robbins Avenue, Building 5D
Philadelphia, PA 19111

Attached is the checklist from Appendix D, as well as the Defense Logistics Agency Product Test Center's latest inventory of Ionizing Radiation Sources. Any questions regarding this renewal application can be directed to Radiation Safety Officer Joseph J. Jaworski (215-737-3246).


PAUL W. CONRAD
Manager
DLA Product Test Center - Analytical

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Enclosures



followed for each such operation requested. If a procedure will be followed other than that provided by the device manufacturer, submit a proposed procedure to use for each operation requested.

10.7 Transportation

If authorization has been requested in the application to use GC/XRFs at a temporary jobsite, the applicant must take into consideration DOT regulations, particularly blocking and bracing the device containing licensed material. The applicant is not required to submit transportation information with the application.

10.8 Minimization of contamination

New license applicants are required by 10 CFR 20.1406 to describe how facility design and procedures for operation will minimize, to the extent practicable, contamination of the facility and the environment, facilitate eventual decommissioning, and minimize, to the extent practicable, the generation of radioactive waste.

Item 11: Waste Management

Because of the nature of the licensed material contained in GC/XRF devices, the usual disposal option is to transfer the licensed material to an authorized recipient. State in the application that disposal will be by transfer of the radioactive material to a licensee specifically authorized to possess it, or provide information for an alternate method of disposal for NRC review.

Authorized recipients are the original supplier of the device, a commercial firm licensed by NRC or an Agreement State to accept radioactive waste from other persons, or another specific licensee authorized to possess the licensed material. No one else is authorized to receive licensed material.

Suggested Format for Providing Information Requested in Items 1 through 4 of NRC Form 313

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D.1 Item 1: Action Type

ACTION TYPE: **ADMINISTRATIVE REVIEW:**

- | | |
|---|---|
| <input type="checkbox"/> New | <input type="checkbox"/> Current Guidance Used |
| <input type="checkbox"/> Amendment | <input type="checkbox"/> References in Application Based On Current Regulations |
| <input checked="" type="checkbox"/> Renewal | <input type="checkbox"/> All Attachments Referenced Included |
| | <input type="checkbox"/> Signature on Application |

D.2 Item 2: Legal Identity

NAME: DEFENSE LOGISTICS AGENCY PRODUCT TEST CENTER-ANALYTICAL

D.3 Items 2 & 3: Address 700 ROBBINS AVENUE, BUILDING 5D PHILADELPHIA, PA 19111

STORAGE & LOCATION OF USE ADDRESS: MAILING ADDRESS:

Temporary Job Sites ☐ YES ☒ NO

D.4 Item 4: Person To Be Contacted About this Application

CONTACT PERSON: JOSEPH J. JAWORSKI

TELEPHONE NUMBER: 215-737-3246

Suggested Format for Providing Information Requested in Items 5 through 11 of NRC Form 313

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D.5 Items 5 & 6: Materials To Be Possessed and Proposed Uses

Yes/No	Radioisotope	Mfg/model No.	Quantity	Purpose of Use	Specify Other Uses Not Listed
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					on SSD Certificate
NO	Hydrogen-3 ¹	Sealed sources in a compatible device as specified in Sealed Source and Device Registration Sheet	Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheet	Measure Physical Properties of Materials	<input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> Uses are:
YES	Nickel-63	Sealed sources in compatible device as specified in Sealed Source and Device Registration Sheet	Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheet	Measure Physical Properties of Materials	<input type="checkbox"/> Not applicable <input checked="" type="checkbox"/> Uses are: GAS CHROMATOGRAPH
NO	Americium-241	Sealed sources in compatible device as specified in Sealed Source and Device Registration Sheet	Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheet	Measure Physical Properties of Materials	<input checked="" type="checkbox"/> Not applicable <input type="checkbox"/> Uses are:
YES	THALLIUM Other 204 (specify)	''	''	''	MICRODERM THICKNESS GAUGE - BETA BACK SCATTERING

¹ If titanium tritide foils or scandium tritide foils are requested, provide operating temperature control and venting information. (See "Note" in Item 5 of this appendix.)

D.6 Items 7 through 11: Training and Experience, Facilities and Equipment, Radiation Safety Program, and Waste Disposal

Item No.	Title and Criteria	Yes	Description Attached
7	INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE RSO Name: <u>JOSEPH J. JAWORSKI</u> Before obtaining licensed materials, the proposed RSO will have successfully completed the training described in Appendix D, in NUREG-1556, Vol. 7. AND Before being named as the RSO, future RSOs will have successfully completed the training described in Appendix D, in NUREG-1556, Vol. 7.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8	TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS Individuals working under the supervision of a responsible person named in item 7, above, are not required to have any specific radiation safety training prior to using a GC/XRF.		N/A
9	FACILITIES AND EQUIPMENT Describe the facilities where GC/XRFs will be used and stored. Additional information regarding the use and storage of GC/XRFs at a temporary jobsite should also be included in the response.		Submit description with application.
10	RADIATION SAFETY PROGRAM Audit Program The applicant is not required to, and should not, submit its audit program to the NRC for review during the licensing phase. Survey Instruments No survey instrument is required if proposed use involves neither the removal of sources from the device nor any maintenance and repair of a device that involves the source.	<input checked="" type="checkbox"/>	N/A

OR

[] []

If the applicant proposes to perform operations that involve the removal of sources from the device or maintenance and repair of a device that involves the source, we will possess or have access to a radiation survey meter that meets the requirements in the procedures for performing removal or repair of the sources.

Material Receipt and Accountability

[X] []

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

No personnel monitoring is required if proposed use does not involve the removal of sources from the device or any maintenance and repair of a device that involves the source.

[X]

OR

If the applicant proposes to perform operations that involve the removal of sources from the device or maintenance and repair of a device that involves a source (other than in gaseous form, H-3 or Ni-63), 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 a NVLAP-approved processor that is exchanged at a frequency recommended by the processor."

[] []

Public Dose

N/A

The applicant is not required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.

Leak Test

[X] []

Leak tests will be performed at intervals specified in the Sealed Source and Device Registration Certificate. 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.

Maintenance

If authorization has been requested to perform the maintenance and repair operations described in Item 7, state in the application that the written procedures provided by the device manufacturer will be followed for each such operation requested.

[]

OR

If a procedure will be followed other than that provided by the device manufacturer, submit a proposed procedure to use for each operation

[] []

Transportation

The applicant is not required to submit its response to transportation during the licensing process; however, this issue will be reviewed during inspection.

N/A

Minimization of Contamination

N/A

The applicant is not required to submit a response to the minimization of contamination section if the applicant's responses meet the criteria for the following sections: "Radiation Safety Program - Leak Tests," "Facilities and Equipment," and "Waste Management."

11 WASTE MANAGEMENT

N/A

GC/XRFs Disposal & Transfer

The applicant is not required to submit a response to waste management during the licensing process. The licensee should, however, develop, implement, and

maintain GC/XRF transfer and disposal procedures in its radiation safety program.

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Appendix E: Information Needed for Transfer of Control Application

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Information Needed for Transfer of Control Application

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Licensees must provide full information and obtain NRC's *prior written consent* before transferring control of the license; some licensees refer to this as "transferring the license." Provide the following information concerning changes of control by the applicant (transferor and/or transferee, as appropriate). If any items are not applicable, so state.

1. The new name of the licensed organization. If there is no change, the licensee should so state.
2. The new licensee contact and telephone number(s) to facilitate communications.
3. Any changes in personnel having control over licensed activities (e.g., officers of a corporation) and any changes in personnel named in the license such as radiation safety officer, authorized users, or any other persons identified in previous license applications as responsible for radiation safety or use of licensed material. The licensee should include information concerning the qualifications, training, and responsibilities of new individuals.
4. An indication of whether the transferor will remain in non-licensed business without the license.
5. A complete, clear description of the transaction, including any transfer of stocks or assets, mergers, etc., so that legal counsel is able, when necessary, to differentiate between name changes and transferring control.
6. A complete description of any planned changes in organization, location, facility, equipment, or procedures (i.e., changes in operating or emergency procedures).
7. A detailed description of any changes in the use, possession, location, or storage of the licensed materials.
8. Any changes in organization, location, facilities, equipment, procedures, or personnel that would require a license amendment even without transferring control.
9. An indication of whether all surveillance items and records (e.g., calibrations, leak tests, surveys, inventories, and accountability requirements) will be current at the time of transfer. Provide a description of the status of all surveillance requirements and records.
10. Confirmation that all records concerning the safe and effective decommissioning of the facility, pursuant to 10 CFR 30.35(g), 40.36(f), 70.25(g), and 72.30(d); public dose; and waste disposal by release to sewers, incineration, radioactive material spills, and on-site burials, have been transferred to the new licensee, if licensed activities will continue at the same location, or to NRC for license terminations.
11. A description of the status of the facility. Specifically, the presence or absence of contamination should be documented. If contamination is present, will decontamination occur before transfer? If not, does the successor company agree to assume full liability for the decontamination of the facility or site?
12. A description of any decontamination plans, including financial assurance arrangements of the transferee, as specified in 10 CFR 30.35, 40.36, and 70.25. Include information about how the transferee and transferor propose to divide the transferor's assets, and responsibility for any cleanup needed at the time of transfer.
13. Confirmation that the transferee agrees to abide by all commitments and representations previously made to NRC by the transferor. These include, but are not limited to: maintaining decommissioning



DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER COLUMBUS
PRODUCT TESTING ANALYTICAL UNIT
700 ROBBINS AVENUE
PHILADELPHIA, PENNSYLVANIA 19111-5098

IN REPLY
REFER TO

DLA-TC

DEC 23 2011

MEMORANDUM FOR DSCP-EH

SUBJECT: Semi-Annual Inventory of Ionizing Radiation Sources

The following is a list of radioisotopes used by personnel in the DLA Product Testing Center – Analytical:

1. Isotope – Thallium 204

Use – Microderm Thickness Gauge (MD-4, Serial # 4646)
Location of item – Bldg. 5-D, Room 5071 (Work Station 5D346)
Radioactivity – 100 microcuries
Authorization: UPA general license # (GL) 1414-0921
And the MFG. License # 741-0921
Date of Inventory – December 23, 2011 by Joseph J. Jaworski
Name of supervisor – Paul W. Conrad
Supervisory Chemist

2. Isotope – Nickel 63

Serial # - 3795 (Model #N600-0204)
Use – Sigma 2000 Capillary Gas Chromatograph
(DPSC #5171)
Location – Bldg. 5-D, Room 5071 (Work Station 5D346)
Radioactivity – Less than 15 millicuries
NRC license number – 37-10913-06 (Expiration date January 31, 2012)
Receipt, transfer and local disposals – Joseph J. Jaworski, NRC
License Holder
Date of inventory – December 23, 2011 by Joseph J. Jaworski
Name of supervisor – Paul W. Conrad
Supervisory Chemist

3. Isotope – Nickel 63
Serial # - 3495 (Model #N610-0133)
Use – PE Autosystem XL Arnel Capillary Gas Chromatograph
(DPSC #4894)
Location – Bldg. 5-D, Room 5071 (Work Station 5D346)
Radioactivity – Less than 15 millicuries
NRC license number – 37-10913-06 (Expiration date January 31, 2012)
Receipt, transfer and local disposals – Joseph J. Jaworski, NRC
License Holder
Date of inventory – December 23, 2011 by Joseph J. Jaworski
Name of supervisor – Paul W. Conrad
Supervisory Chemist
4. Isotope – Nickel 63
Serial # - 3496 (Model #N610-0133)
Use – PE Autosystem XL Arnel Capillary Gas Chromatograph
(DPSC #4894)
Location – Bldg. 5-D, Room 5071 (Work Station 5D346)
Radioactivity – Less than 15 millicuries
NRC license number – 37-10913-06 (Expiration date January 31, 2012)
Receipt, transfer and local disposals – Joseph J. Jaworski, NRC
License Holder
Date of inventory – December 23, 2011 by Joseph J. Jaworski
Name of supervisor – Paul W. Conrad
Supervisory Chemist
5. Isotope – Nickel 63
Serial # - 3433 (Model #N600-0204)
Use – in storage – Refoiled detector to be retained as a replacement.
Location – Bldg. 5-D, Room 5071 (Work Station 5D346)
Radioactivity – Less than 15 millicuries
NRC license number – 37-10913-06 (Expiration date January 31, 2012)
Receipt, transfer and local disposals – Joseph J. Jaworski, NRC
License Holder
Date of inventory – December 23, 2011 by Joseph J. Jaworski
Name of supervisor – Paul W. Conrad
Supervisory Chemist

6. Isotope – Nickel 63
Serial # - 3530 (Model #N600-0204)
Use – in storage – Refoiled detector to be retained as a replacement.
Location – Bldg. 5-D, Room 5071 (Work Station 5D346)
Radioactivity – Less than 15 millicuries
NRC license number – 37-10913-06 (Expiration date January 31, 2012)
Receipt, transfer and local disposals – Joseph J. Jaworski, NRC
License Holder
Date of inventory – December 23, 2011 by Joseph J. Jaworski
Name of supervisor – Paul W. Conrad
Supervisory Chemist

7. Isotope – Nickel 63
Serial # - 3765 (Model #N600-0204)
Use – in storage – Refoiled detector to be retained as a replacement.
Location – Bldg. 5-D, Room 5071 (Work Station 5D346)
Radioactivity – Less than 15 millicuries
NRC license number – 37-10913-06 (Expiration date January 31, 2012)
Receipt, transfer and local disposals – Joseph J. Jaworski, NRC
License Holder
Date of inventory – December 23, 2011 by Joseph J. Jaworski
Name of supervisor – Paul W. Conrad
Supervisory Chemist

Any questions regarding the inventory can be directed to Joseph J. Jaworski at 215-737-3246.



PAUL W. CONRAD

Manager

DLA Product Testing Center - Analytical

This is to acknowledge the receipt of your letter application dated

1/20/2012, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Renew (37-10913-06)
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 576702.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.