



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

IN REPLY  
REFER TO  
DLA-TC

P-7

**MAR 07 2012**

**MEMORANDUM FOR NUCLEAR REGULATORY COMMISSION**

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

Applicant's name and Mailing Address: Defense Logistics Agency Product Test Center-Analytical

700 Robbins Avenue, Building 5D

Philadelphia, PA 19111

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Timely Notification of Transfer of Control: The licensee will provide full information and obtain NRC's prior written consent before transferring control of the license as detailed in Appendix E of NUREG-1556, Volume 7.

Notification of Bankruptcy Proceedings: The licensee will notify NRC within 24 hours of filing a bankruptcy petition.

Address Where Licensed Material Will Be Used: 700 Robbins Avenue, Philadelphia, PA 19111

Person To Be Contacted About This Application: Joseph J. Jaworski (215)-737-3246

Radioactive Material – Unsealed and/or Sealed Sources: Sealed source Nickel-63 detectors used in Gas Chromatographs. See Inventory of Ionizing Radiation Sources for specific locations, manufacturer's name, and activity.

Requirements for Disposition of Records Important to Decommissioning: Before licensed activities are transferred or assigned according to 10 CFR 30.34(b), transfer to the new licensee or before the license is terminated, transfer records to the appropriate NRC regional office.

Purpose for Which Licensed Material Will Be Used: Nickel 63 detectors used in Gas Chromatographs

Individual Responsible for Radiation Safety Program and Their Training and Experience: The Radiation Safety Officer is Joseph Jaworski. He has completed the 24-hour Radiation Safety Officer Training course and the 8-hour Refresher Radiation Safety Officer Training course.

Authorized User: Joseph Jaworski. Mr. Jaworski will directly supervise the use of the licensed material. He possesses a Master's Degree in Chemistry and he has completed the 24-hour Radiation Safety Officer Training course and the 8-hour Refresher Radiation Safety Officer Training course.

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Training for Individuals Working in or Frequenting Restricted Areas: Only chemists operate the Gas Chromatographs. As part of their training, chemists are made aware of the dangers of working with radioactive sources. There is no threat to them since the Nickel 63 detectors in the Gas Chromatographs are sealed sources and are subject to the Leak Wipe Test every six months.

Facilities and Equipment: The sealed source Nickel 63 detectors are used in Gas Chromatographs in Room 5071 (Work Station 5D346) in Building 5D at 700 Robbins Avenue, Philadelphia, PA 19111.

Radiation Safety Program Audit Program: The applicant is not required to, and should not, submit its program to the NRC for review during the licensing phase. However, this matter may be reviewed during NRC inspections.

Radiation Safety Program Radiation Monitoring Instruments: A Radalert Nuclear Radiation Monitor was used to record the activity of the Nickel 63 sealed sources. We will use instruments that meet the radiation monitoring instrument specifications published in Appendix M to NUREG-1556, Vol. 7, "Program-Specific Guidance About Academic, Research and Development, and Other Laboratory Licenses of Limited Scope", dated December 1999. We reserve the right to upgrade our survey instruments as necessary.

Material Receipt and Accountability: The licensee will maintain records of receipt, transfer, and disposal of licensed material: receipt-for as long as the material is possessed until 3 years after transfer or disposal; transfer-for 3 years after transfer; disposal-until NRC terminates the license; important to decommissioning-until the site is released for unrestricted use. 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.

Public Dose: No response is required from the applicant in a license application, but compliance will be examined during inspection.

Safe Use of Radionuclides and Emergency Procedures: Licensee will keep radiation doses to workers and members of the public ALARA, ensure security of licensed material, and make the required notifications of events to NRC.

Surveys-Sealed Source and Plated Foil Leak Test: We will survey our facility and maintain contamination levels in accordance with the survey frequencies and contamination levels published in Appendix Q to NUREG-1556, Vol. 7, "Program-Specific Guidance About Academic Research and Development, and Other Licenses of Limited Scope," dated December 1999. Leak tests will be performed at the intervals approved by the 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 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 sealed source or plated foil manufacturer's (distributor's) and kit supplier instructions.

Transportation: No response is needed from applicants during the licensing phase. Transportation issues are reviewed during inspections.

Minimization of Contamination: The applicant does not need to provide a response to this item under the following condition. NRC will consider that the above criteria have been met if the applicant's responses meet the criteria in the following sections: "Radioactive Material – Unsealed and/or Sealed Sources," "Facilities and Equipment," "Radiation Safety Program – Safe use of Radioisotopes and Emergency Procedures," "Radiation Safety Program – Surveys," and "Radiation Safety Program – Waste Management."

Waste Management: We will use the model waste procedures published in Appendix T to NUREG-1556, Vol.7, "Program-Specific Guidance About Academic, Research and development, and Other Licenses of Limited Scope," dated December 1999.

Termination of Activities: The applicant's obligations in this matter begin when the license expires or at the time the licensee ceases operations, whichever is earlier. These obligations are to undertake the necessary decommissioning activities, to submit NRC Form 314 or equivalent information, and to perform any other actions as summarized in the Criteria.

A handwritten signature in black ink, appearing to read 'Paul W. Conrad', is centered on the page.

PAUL W. CONRAD

Manager

DLA Product Test Center - Analytical



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PHILADELPHIA, PENNSYLVANIA 19111-5098

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DLA-TC

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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