



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

December 19, 2006

Docket No. 03034127
Control No. 139838

License No. 37-30298-01

Harold Harbison
RSO/Owner
JRT - Calibration Services, Inc.
581-B West High Street
Pottstown, PA 19464

SUBJECT: JRT CALIBRATION SERVICES, LICENSE AMENDMENT, CONTROL NO.
139838

Dear Mr. Harbison:

This refers to your license amendment request. Enclosed with this letter is the amended license. The facility at 1200 High Steet, Suite 111, Pottstown, PA may be released for unrestricted use.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by Jenny Johansen

Jenny Johansen
Health Physicist
Materials Security and Industrial Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 6

DOCUMENT NAME: C:\FileNet\ML063620173.wpd

SUNSI Review Complete: JJohansen

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NAME	JJohansen /JMJ/							
DATE	12/19/06							

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MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. JRT-Calibration Services, Inc.</p> <p>2. 581-B West High Street Pottstown, Pennsylvania 19464</p>	<p>In accordance with letter dated November 27, 2006,</p> <p>3. License number 37-30298-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date August 31, 2011</p> <hr/> <p>5. Docket No. 030-34127 Reference No.</p>
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6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Cesium 137	A. Sealed sources (J.L. Shepherd Model 6810)	A. Not to exceed 9 curies per source and 18 curies total
B. Silicon 32	B. Sealed sources	B. 10 microcuries
C. Cobalt 60	C. Sealed sources	C. 1.5 millicuries
D. Strontium 90	D. Sealed sources	D. 10 microcuries
E. Iodine 129	E. Sealed sources	E. 10 microcuries
F. Barium 133	F. Sealed sources	F. 10 millicuries
G. Cesium 137	G. Sealed sources	G. Not to exceed 150 millicuries per source and 650 millicuries total
H. Americium 241	H. Sealed source	H. 10 microcuries
I. Plutonium 239	I. Sealed Source	I. 2 microcuries
J. Any byproduct material with atomic number 3-83	J. Analytical Samples	J. 1 millicurie

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9. Authorized use:

- A. In a J.L. Shepherd Model 28-8 Calibrator for calibration of instruments with range not to exceed 55 rem per hour as a service for other persons as defined in 10 CFR 20.1003.
- B. through I. Calibration of analytical instruments.
- J. Taking of leak test samples; analysis of test samples as a service for other persons as defined in 10 CFR 20.1003.

CONDITIONS

- 10. Licensed material may be used only at the licensee's facilities located at 581-B West High Street, Pottstown, Pennsylvania, and at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
- 11. A. Licensed material shall be used by, or under the supervision and in the physical presence of, Harold W. Harbison, or Daniel S. Strachko, III.
B. The Radiation Safety Officer for this license is Harold W. Harbison.
- 12. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d), 40.36(b), and 70.25(d) for establishing financial assurance for decommissioning.
- 13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
B. Notwithstanding Paragraph A of this Condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
C. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
D. Sealed sources need not be tested if they contain only hydrogen-3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.
E. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within

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the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

- F. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- H. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
14. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
15. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.
16. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.
17. The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal in ordinary trash, provided:
- A. Waste to be disposed of in this manner shall be held for decay a minimum of ten half-lives.
- B. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
- C. A record of each such disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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19. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated March 26, 2001 (ML010960489)
 - B. Letter dated May 24, 2001 (ML011490467)
 - C. Facsimile dated July 12, 2001 (ML012000068)
 - D. Application dated July 12, 2006 (ML061990336)
 - E. Letter dated November 27, 2006 (ML063470417)



For the U.S. Nuclear Regulatory Commission

Original signed by Jenny Johansen

Date December 19, 2006

By

 Jenny Johansen
 Materials Security and Industrial Branch
 Division of Nuclear Materials Safety
 Region I
 King of Prussia, Pennsylvania 19406