



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

October 31, 2006

Docket No. 03033722
Control No. 139241

License No. 31-30187-01

Douglas Miskell
Radiation Safety Officer
Quality Inspection Services, Inc.
37 Franklin Street, Suite 400
Buffalo, NY 14202

SUBJECT: QUALITY INSPECTION SERVICES, INC., LICENSE AMENDMENT, CONTROL
NO. 139241

Dear Mr. Miskell:

This refers to your license amendment request. Enclosed with this letter is the amended license.

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 Judith A. Joustra

Judith A. Joustra
Senior Health Physicist
Materials Security and Industrial Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 10

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SUNSI Review Complete: MReichard

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NAME	JJoustra/JAJ		MReichard/MCR					
DATE	10/31/2006		10/31/2006					

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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. Quality Inspection Services, Inc.</p> <p>2. 37 Franklin Street, Suite 400 Buffalo, New York 14202</p>	<p>In accordance with the letter dated August 1, 2006,</p> <p>3. License number 31-30187-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date November 30, 2015</p> <hr/> <p>5. Docket No. 030-33722 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. See Condition 10</p> <p>B. Iron 55</p> <p>C. Cadmium 109</p> <p>D. Depleted Uranium</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed Sources</p> <p>B. Sealed Sources (TN Technology Model 696782; AEA Technology/QSA Inc. Model IEC.DI)</p> <p>C. Sealed Sources (TN Technology Model 696782; AEA Technology/QSA Inc. Model CUC.DI; Isotope Products Laboratories Model XFB-3)</p> <p>D. Metal</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. See Condition 10</p> <p>B. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State</p> <p>C. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State</p> <p>D. 999 kilograms</p>
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<p>9. Authorized use:</p> <p>A. Industrial radiography and replacement of sources.</p> <p>B. and C. To be used for material analysis with compatible X-ray fluorescence analyzer devices that have been registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State and have been distributed in accordance with a Commission or Agreement State specific license authorizing distribution to persons specifically authorized by a Commission or Agreement State license to receive, possess, and use the devices.</p> <p>D. Shielding for radiographic equipment.</p>	
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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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CONDITIONS

10. Sealed sources, exposure devices, and source changers authorized for use are as follows:

<u>Isotope</u>	<u>Manufacturer & Model No. of Source Assemblies</u>	<u>Maximum Activity per Source</u>	<u>Manufacturer & Model No. of Exposure Devices</u>	<u>Manufacturer & Model No. of Source Changers</u>
A. Co-60	AEA Technology Model A424 -14	110 curies	Amersham Model 680-OP	Amersham (Tech/Ops) Model 771
B. Ir-192	AEA Technology/QSA Inc. Model A424-9	150 curies	Amersham Model 660B, 880 Delta	Amersham Model 855
C. Se-75	AEA Technology/QSA Inc. Model A424-25W	81 curies	AEA Technology QSA Model 660B	Amersham Model 855
D. Se-75	AEA Technology/QSA Inc. Model A424-25W	150 curies	Global QSA Model 880 Delta	Amersham Model 855

11. A. Licensed material may be stored at the licensee's facilities located at 318 North Morrison Street, Warren, Pennsylvania and 275 Progress Drive, Manchester, Connecticut.
- B. Licensed material identified may be used and stored only at the following:
- (i) Field stations(s) located at 318 North Morrison Street, Warren, Pennsylvania.
 - (ii) Permanent radiographic installation(s) located at 318 North Morrison Street, Warren, Pennsylvania.
 - (iii) Temporary Job Sites: Anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.

If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

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12. Licensed material identified in Items 6.A and 6.D. shall be used by, or under the supervision and in the physical presence of individuals who have been designated in writing by the Radiation Safety Officer and have been trained:
- A. As specified in the application dated July 7, 2005; and
 - B. In accordance with the provisions of 10 CFR 34.43.
13. Licensed material identified in Items 6.B. and 6.C. shall be used by, or under the supervision of, Daniel Hoffman, Mike Dolinski, William Gee, Douglas Miskell, Jim Orndroff, Daniel McKlevis, Peter Gentile, Mike Ritchie, Mark Staub, or Jay Senozetnik.
14. The Radiation Safety Officer for this license is Douglas Miskell.
15. 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) for establishing decommissioning financial assurance.
16. The licensee is not authorized to perform source changes in the exposure devices. These services shall be performed only by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
17. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
18. Notwithstanding the periodic leak test required by 10 CFR 34.27(c)(1) and (e), the requirement does not apply to radiography sources that are stored and not being used. The sources excepted from this test shall be tested for leakage before use or transfer to another person. No sealed source shall be stored for a period of more than 3 years without being tested for leakage and/or contamination.
19. A. Sealed sources identified in Items 6.B. and 6.C. shall be tested for leakage and/or contamination at intervals not to exceed six months or at 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. 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 identified in Items 6.B. and 6.C. received from another person shall not be put into use until tested and the test results received.

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- C. Sealed sources identified in Items 6.B. and 6.C. 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 the required leak test interval, they shall be tested before use or transfer. No sealed source identified in Items 6.B. and 6.C. shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. 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.
- E. Tests for leakage and/or contamination of sealed sources identified in Items 6.B. and 6.C., limited to leak test sample collection, 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. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- F. Records of leak test results for sealed sources identified in Items 6.B. and 6.C. shall be kept in units of microcuries and shall be maintained for 5 years.
20. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
21. 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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22. 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 U.S. 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 July 7, 2005 (ML051940451)
 - B. Letter dated October 17, 2005 (ML052970206)



For the U.S. Nuclear Regulatory Commission

Date October 31, 2006By ***Original signed by Judith A. Joustra***Judith A. Joustra
Materials Security and Industrial Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406