



fax TRANSMISSION

P-2

19-31246-01
03037466
Date: _____

- _____ Engineers
- _____ Planners
- _____ Scientists
- _____ Construction Managers

To: JENNY JOHANSEN

Fax: 610 337 5269

From: KAMAU MCABEE

Phone: 410 816 0818

Job Number: 99909

Number of Pages (Including Cover): 5

Comments: PLEASE SEE MD LICENSE
WITH KAMAU MCABEE LISTED
AS RADIATION SAFETY OFFICER,
PLEASE CALL WITH QUESTIONS.

KCI Technologies, Inc., is ranked among the top consulting engineering firms in the country. Our employee owners serve public- and private-sector clients throughout the Northeast, Southeast and Mid-Atlantic. Visit us at www.kci.com.

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REC'D IN LAT MAY 26 2010

NMSS/RGN1 MATERIALS-002

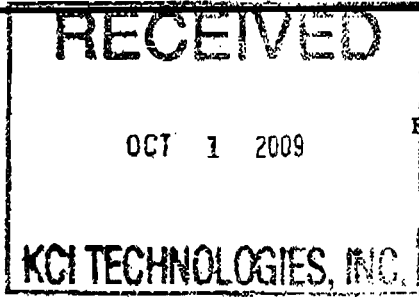


MARYLAND DEPARTMENT OF THE ENVIRONMENT
1800 Washington Boulevard • Baltimore MD 21230
410-537-3000 • 1-800-633-6101

Martin O' Malley
Governor

Anthony G. Brown
Lieutenant Governor

SEP 30 2009



Shari T. Wilson
Secretary

Robert M. Summers, Ph.D
Deputy Secretary

Kamau A. McAbee, Radiation Safety Officer
KCI Technologies
936 Ridgebrook Road
Sparks, MD 21152

RE: Radioactive Material License #MD-05-150-02

Dear Mr. McAbee:

Your requested amendment to radioactive materials license number MD-05-150-02 is enclosed. Please review it carefully to ensure that it reflects all modifications included in your facsimile received in this office on August 6, 2009.

Should you require further assistance, please contact Mr. Raymond E. Manley at (410) 537-3301. You may also reach our office toll-free by dialing 1-800-633-6101 and requesting extension 3301. Also, you may contact this office via facsimile at 410-537-3198.

Sincerely,

Roland G. Fletcher, Manager
Radiological Health Program
Air and Radiation Management Administration

RGF
RGF/BJP/DKM/cc

Enclosure(s): License amendment (02)
Code (03126)



Department of the Environment

RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

Page 1 of 3

Pursuant to the Maryland Radiation Act, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. The license is subject to all applicable rules, regulations and orders of the Maryland State Department of the Environment, now or hereinafter in effect and to any conditions specified below.

1. Name: KCI Technologies	3. License No.: MD-05-150-02
2. Address: 936 Ridgebrook Road Sparks, Maryland 21152	4. Amendment No.: 02 Code (03126)
	5. Expiration Date: July 31, 2010

6. Radioactive material element & mass number:	7. Chemical and/or physical form:	8. Maximum amount of radioactivity which licensee may possess at any one time:
A. Cobalt-57	A. Sealed source: Isotopes Products Laboratories Model NER 472	A. No source to exceed 40 millicuries.
B. Cadmium-109	B. Sealed Source QSA Global Inc. Model CUC.D1 or CUC.p1 or Isotope Products Laboratories Model XFB-3	B. No source to exceed 50 millicuries.

9. **Authorized Use(s):**
- A. For use in Scitec Model MAP4 XRF x-ray fluorescence to measure lead-in-paint and other materials in situ.
 - B. For use in Thermo Niton Xli/XLp series XRF x-ray fluorescence to measure lead-in-paint and other materials in situ.

LICENSE CONDITIONS

- 10. The authorized place of use is named in item 2 and temporary job sites of the licensee throughout Maryland. The licensee must notify the Radiological Health Program 30 days prior to vacating a permanent use address.
- 11A. The radiation protection program shall be under the supervision of Kamau A. McAbee
- 11B. Radioactive material shall be used by or under the supervision and in the physical presence of an employee who:
 - 1) has a certificate from a licensed training course on file with the licensee; and
 - 2) the licensee has authorized to use radioactive material and has so notified the Radiological Health Program, in writing.
- 12. The licensee shall comply with all appropriate provisions of the Maryland Regulations 26.12.01.01 "Regulations for Control of Ionizing Radiation" and shall possess a copy of these regulations.



RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

Page 2 of 3

License No.: MD-05-150-02

Amendment Number: 02 CODE 03126

LICENSE CONDITIONS, CONTINUED

- 13A. Each sealed source containing radioactive material, other than Hydrogen-3 with a half-life greater than thirty (30) days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, the sealed source shall not be put into use until tested. If there is reason to suspect that a sealed source might have been damaged, or might be leaking, it shall be tested for leakage before further use.
- 13B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of a device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate.
- 13C. Records of leak tests shall be kept in units of microcuries and maintained for inspection by the Department.
- 13D. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Department regulations. A report shall be filed within five (5) days of the test with the Administrator, Radiological Health Program, 1800 Washington Boulevard, Suite 750, Baltimore, Maryland 21230, describing the equipment involved, the test results, and the corrective action taken.
- 13E. Test for leakage and/or contamination shall be performed by licensee or by other persons specifically authorized by the Department, the U.S. Nuclear Regulatory Commission or another Agreement State to perform such services.
14. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders by the licensee.
15. Maintenance and repair of devices containing radioactive material and installation, replacement, and disposal of sealed sources shall be performed by persons specifically authorized by the Department, the U.S. Nuclear Regulatory Commission or another Agreement State to perform such services.
16. The licensee shall conduct a physical inventory every six- (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Department, and shall include the quantities and kinds of radioactive material, location of sealed sources, and the date of the inventory.
17. Transportation of radioactive material in the State of Maryland shall be in compliance with Part T, Section T.5 "Transportation of Licensed Material" of COMAR 26.12.01.01.



Department of the Environment

RADIOLOGICAL HEALTH PROGRAM
RADIOACTIVE MATERIAL LICENSE

License No.: MD-05-150-02

Amendment Number: 02 CODE 03126

LICENSE CONDITIONS, CONTINUED

- 18A. The licensee shall not make any false statement, representation, or certification in any application, record, report, plan, or other document regarding radiation levels, tests performed or radiation safety conditions or practices. Additionally, the licensee shall not falsify, tamper with, or render inaccurate any monitoring device or method.
- 18B. Violation of any term, condition, or regulation could subject the licensee to administrative or civil penalty or criminal prosecution, as specified in Title 8, Radiation, of the Article Environment of the Annotated Code of Maryland.
- 19. The licensee shall not transfer ownership and/or control of this license to any person or entity without providing required information regarding the transfer for the Agency's review and without receiving written authorization for the transfer by the Agency.
- 20. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material authorized by this license in accordance with statements representations, and procedures contained in:
 - application dated January 17, 2003
 - letter dated May 14, 2003
 - facsimile dated May 27, 2003
 - facsimile with attachments dated October 12, 2007 adding use of Thermo-Niton Xli/XLp series XRF for lead paint analysis in-situ.
 - Facsimile dated August 6, 2009, changing location and ceasing use of dosimetry.

COMAR 26.12.01.01 "Regulations for Control of Ionizing Radiation" shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

Roland G. Fletcher
Radiological Health Program Manager

September 14, 2009

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LK 9/28/09