



PINNACLE ENVIRONMENTAL CONSULTANTS, INC.

CORPORATE OFFICE: 2088 ROSS AVENUE ■ CINCINNATI ■ OHIO ■ 45212 ■ PHONE: 513-533-1823 ■ FAX: 513-533-1859
400D PRESTIGE PARK DRIVE ■ HURRICANE ■ WEST VIRGINIA ■ 25526 ■ PHONE: 304-757-5204 ■ FAX: 304-757-5205

November 21, 2011

NRC Region 1
Attention: Materials Licensing Branch
474 Allendale Road
King of Prussia, Pennsylvania 19406

Br. 2

34-31247-01
03037472

RECEIVED
REGION 1
2011 NOV 25 AM 10:32

RE: Radioactive Materials License Change of Address

To Whom it May Concern:

This letter is concerning the change of address for Pinnacle Environmental Consultants, Inc.'s licensee address to 486 Old State Route 74, Cincinnati, Ohio 45244, effective December 2, 2011. The other change of address is Condition 10 location of use the West Virginia facilities current address is 400D Prestige Park Drive, Hurricane, West Virginia 25526. The instrument covered under our license has never leaked at either address included on our license. Enclosed with this letter is a copy of our materials license and current leak test.

If you have any questions or comments regarding this request, please do not hesitate to contact me at (513)533-1823 or by email at camidon@pinnacleinc.biz.

Sincerely,
PINNACLE ENVIRONMENTAL CONSULTANTS, INC.

Christopher S. Amidon, MBA, CIE, CMR
Senior Project Manager

Enclosures (2)

576427
NMSS/RGN1 MATERIALS-002



Valley Safety Services Associates, Inc.

330 Old Enfield Road, Belchertown, MA 01007

http://www.vssa-inc.com

(413)323-9571

Leak Test Data/Certificate

Complete the data requested on the top part of this form and return it with your leak test to the address in the above heading. Following our analysis of your leak test specimen we will return this form to you for your record of the test and results.

Source/Device Description

Device: XRF Analyzer Model: XLP 300A Serial #: 14981 Manufacturer: Niton

Radioisotope Cd-109 Activity (mCi) 40 mCi

Source model: XFB-3 Source #: N28818 Manufacturer: IPL

The leak testing of this source/device was performed as indicated in manufacturer recommendations or LT-952 kit instructions using kit # 830926

By: Chris Amidan Date: 9/26/11

Company: Pinnacle Environmental Consultants Telephone: 513-533-1823

Address: 2055 Ross Avenue Fax: 513-533-1854
Cincinnati, OH 45212

Do Not Write Below This Line

Leak Test Analysis Result

Analysis of the above test on 30 Sept 11 yielded the following;

- Statistical analysis of the radioactive count data of this leak test specimen indicated any activity present is less than 0.005 μ Ci. The source maybe used as authorized.
- Statistical analysis of the radioactive count data of this leak test specimen indicated there is greater than 0.005 microcuries of activity present. This source should be considered leaking. Consult your device operations manual; place this unit in storage and make the required notification to your regulatory agency.

YOUR NEXT REQUIRED LEAK TEST FOR THIS DEVICE/SOURCE IS DUE ON OR BEFORE

30 Nov 12

ANOTHER TEST KIT WILL BE SENT TO YOU 2 WEEKS BEFORE THIS DATE FOR YOUR USE AND RETURN FOR ANALYSIS.

THIS CERTIFICATE IS AN ESSENTIAL RECORD AND SHOULD BE MAINTAINED FOR INSPECTION BY THE REGULATORY AGENCY.

CERTIFICATE #: 830926 BY: Jim Tom DATE: 30 Sept 11

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.

Licensee	
1. Pinnacle Environmental Consultants, Inc.	3. License number 34-31247-01
2. 2088 Ross Avenue Cincinnati, Ohio 45212	4. Expiration date June 30, 2017
	5. Docket No. 030-37472 Reference No.

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. Cadmium 109	A. Sealed Sources (Isotope Product Laboratories Model XFB-3; QSA Global Inc. Model CUC.D1 or CUC.P1)	A. 40 millicuries

9. Authorized use:

- A. To be used for insitu or sample analysis in Thermo Niton Analyzers, LLC Model No. XLp-300A x-ray fluorescence analyzer 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.

CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at 200 Prestige Park, Hurricane, West Virginia and may be used 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, 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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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
34-31247-01Docket or Reference Number
030-37472

11. A. Licensed material shall be used by, or under the supervision of Christopher S. Amidon.
- B. The Radiation Safety Officer for this license is Christopher S. Amidon.
12. A. Sealed sources 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 received from another person shall not be put into use until tested and the test results received.
- C. 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.
- D. 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 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.
- E. 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.
- F. Tests for leakage and/or contamination, 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.
- G. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.

This is to acknowledge the receipt of your letter application dated

11/21/2011, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (34-31247-01) 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** 576427.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader