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**KANAWHA STONE COMPANY, INC.**

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**ROCK BRANCH INDUSTRIAL PARK**

Post Office Box 503 ▲ Nitro, WV 25143

Phone: 304-755-8271

▲ FAX: 304-755-8274

ww06094

J-6

January 15, 2014

Mr. Steven Courtemanche  
Nuclear Regulatory Commission  
2100 Renaissance Boulevard  
King of Prussia, PA. 19406-2713

**Re: Transfer of Nuclear Density Gauges to Terradon Corporation from  
Kanawha Stone Company**

Dear Mr. Courtemanche:

This letter will serve as written confirmation that the nuclear density gauges owned by Kanawha Stone Company, Inc. have transferred to Terradon Corporation.

03030838  
This letter also confirms that Kanawha Stone Company, Inc. wishes to terminate the company's US Nuclear Regulatory Commission Materials License (47-25023-01). Kanawha Stone Company would like to terminate the license effective December 6, 2013.

The gauges have been leak tested while in our possession in accordance with all applicable regulations and we can confirm that the gauges have shown no leaks.

Thanks for all your help and assistance in this matter. If you have any further questions please call me on my cell phone at (304) 741-6398.

Regards,

Brad Bobersky  
Director of Safety and Risk Management  
Kanawha Stone Company, Inc.

582832  
NMSC/RGN1 MATERIALS-002



TERRADON CORPORATION  
P.O. Box 519  
Nitro, WV 25143  
Tel: 304-755-8291  
Fax: 304-755-2636  
www.terraddon.com

TERRADON CORPORATION  
PO Box 1835  
Lewisburg, WV 24901  
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TERRADON CORPORATION  
167 South State Street, Suite 250  
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Tel: 614-392-2997  
Fax: 614-392-2953  
www.terraddon.com

January 15, 2014

Mr. Steven Courtemanche  
Nuclear Regulatory Commission  
2100 Renaissance Boulevard  
King of Prussia, PA 19406-2713

**RE: TRANSFER OF NUCLEAR DENSITY GAUGES FROM KANAWHA STONE  
COMPANY TO TERRADON CORPORATION**

Dear Mr. Courtemanche:

This letter serves as written notification that the nuclear density gauges owned by Kanawha Stone Company have been transferred to TERRADON Corporation (TERRADON). TERRADON submitted an amendment to our License on December 6, 2013 reflecting these additional gauges. A copy of our license is attached. These gauges have been leak tested in accordance with applicable regulations and have not shown any leaks.

Thank you for your assistance with this matter. If you should you have any questions or require additional information, feel free to call me at 304-755-8291.

Sincerely,

**TERRADON Corporation**

A handwritten signature in black ink, appearing to read "Bill Hunt".

Bill Hunt, PG, LRS  
Geo-Environmental Department Manager

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U.S. NUCLEAR REGULATORY COMMISSION

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Amendment No. 06**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>Licensee</p> <p>1. Terradon Corporation</p> <p>2. P.O. Box 519 Nitro, West Virginia 25143-0519</p>	<p>In accordance with the application dated September 24, 2010,</p> <p>3. License number 47-25539-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date October 31, 2020</p> <p>5. Docket No. 030-35483 Reference No.</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium 137</p> <p>B. Americium 241</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed Sources (QSA Global Model CDCW556; Isotope Products Laboratories Model HEG-137)</p> <p>B. Sealed Sources (QSA Global Model AMNV.997; Isotope Products Laboratories Models Am1.NO2, 3021, 3027)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 45 millicuries total and 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>B. 220 millicuries total and 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>9. Authorized use:</p> <p>A. and B. In Troxler Electronic Laboratories, Inc., Model No. 3400 Series portable gauging devices for measuring physical properties of materials.</p>		

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
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030-35483

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**CONDITIONS**

10. Licensed material may be used or stored at the licensee's facilities located at 401 Jacobson Drive, Poca, 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.

11. Licensed material shall be used by, or under the supervision of, individuals who have received the training described in the application dated September 24, 2010, and have been designated, in writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.
12. The Radiation Safety Officer for this license is J. Bruce Frame.
13. 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 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.

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- 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, 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 shall be kept in units of microcuries and shall be maintained for 5 years.
14. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
15. 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.
16. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport or storage, or when not under the direct surveillance of an authorized user.
17. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
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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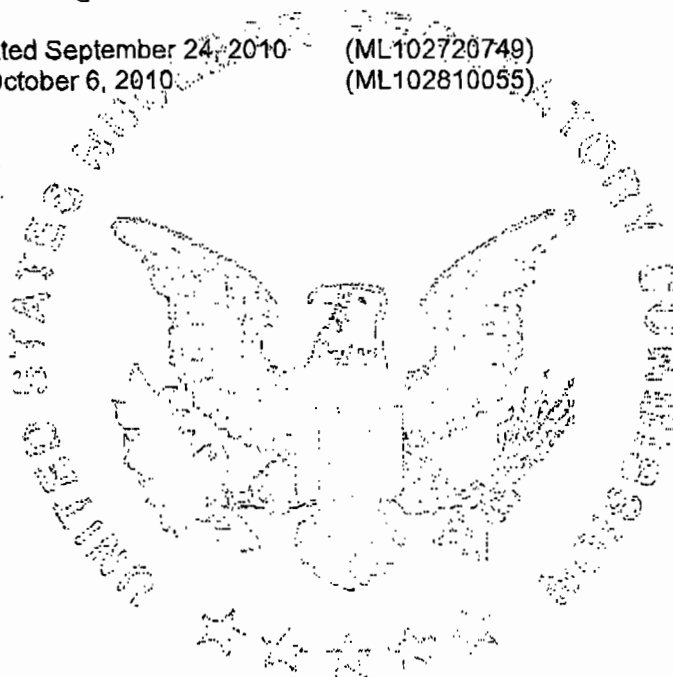
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Amendment No. 06

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 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 September 24, 2010 (ML102720749)  
B. Letter dated October 6, 2010 (ML102810055)



For the U.S. Nuclear Regulatory Commission

Date October 12, 2010

By

*Original signed by Sattar Lodhi, Ph.D.*

Sattar Lodhi, Ph.D.  
Materials Security and Industrial Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406

Tuesday, October 12, 2010 09:07:04