

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 03

MATERIALS LICENSE

Corrected Copy

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. Pangea Group</p> <p>2. 2604 South Jefferson Avenue St. Louis, MO 63118</p>	<p>In accordance with letter dated July 18, 2006 (with enclosures),</p> <p>3. License number 24-32318-01 is amended in its entirety to read as follows</p> <hr/> <p>4. Expiration date December 31, 2011</p> <hr/> <p>5. Docket No. 030-35726 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material with Atomic Nos. 1 through 103</p> <p>B. Any byproduct material</p>	<p>7. Chemical and/or physical form</p> <p>A. Residual radiological contamination (See item 9.A.)</p> <p>B. See Item 9.B.</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Not to exceed 5 microcuries per radionuclide and 1 millicurie total except as specified in license condition 18.</p> <p>B. Not to exceed 1 millicurie per leak test sample and 10 millicuries total except as specified in license condition 18.</p>
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9. Authorized Use:
- A. For receipt, storage, use, and or possession incident to any activities as follows:
 - 1. Any activity related to radiological site characterization including radiological surveys of soil and other environmental sample collection and analysis;
 - 2. Radiological decontamination and remediation of facilities, equipment and containers;
 - 3. Solidification and treatment of radiological waste;
 - 4. Packaging and repackaging of customers radiological waste for transport;
 - 5. Transport in packages or containers approved for use under the provisions of 10 CFR Part 71, for transfer to licensees authorized to receive the materials, in accordance with the terms and conditions of licenses issued by the NRC or an Agreement State.
 - B. For possession incident to the performance of tests for leakage and/or contamination on customers sealed sources as a commercial service.

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10. Licensed materials listed in Subitems 6.A. through 6.B. shall 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. Except for calibration sources, reference standards, and radioactively contaminated equipment owned by the licensee, possession of licensed material at each temporary job site shall be limited to material originating from each site. This material must either be transferred to an authorized recipient or remain at the site after licensee activities are completed. License material listed in Subitem 6.B. may also be analyzed at the licensee's facility located at **2604 South Jefferson Avenue, St. Louis, Missouri.**
11. A. Decommissioning and commercial leak testing activities shall be performed by, or under the supervision of Matthew Cushman, **Scott Rehmer, Lachelle Telfair or Chris Jarrell.**

B. The Radiation Safety Officer for this license is **Matthew Cushman.**
12. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 2 years from the date of each inventory.
13. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
14. This license does not authorize the use of licensed material at temporary job sites for uses already specifically authorized by a customer's license. If a customer holds a license issued by the NRC or an Agreement State, the licensee shall establish a written agreement between the licensee and the customer, signed by both licensees', specifying which activity will be performed under the customer's license and supervision, and which activity will be performed under the licensee's supervision pursuant to this license. The agreement shall include a commitment by the licensee and the customer to ensure safety and any commitments by the licensee to help the customer clean up the temporary job site in case of an accident. A copy of this agreement shall be included in the notification to the Commission prior to work commencement.
15. The licensee shall maintain records of information important to decommissioning each temporary job site at the applicable job site pursuant to 10 CFR 30.35(g). The records shall be made available to the customer. At the completion of activities at a temporary job site, the licensee shall transfer these records to the customer for retention.
16. If approved by the Radiation Safety Officer listed on this license, the licensee may take reasonable action in an emergency that departs from conditions in this license when the action is immediately needed to protect public health and safety and no action consistent with all license conditions that can provide adequate or equivalent protection is immediately apparent. The licensee shall notify the NRC before, if practicable, and in any case immediately after taking such emergency action using the reporting procedure specified in 10 CFR 30.50(a).

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17. Within 30 days of completing decontamination and decommissioning activities at each job site location, the licensee shall notify the Regional Administrator, U.S. Nuclear Regulatory Commission, Region III, 2443 Warrenville Road, Lisle, Illinois 60532, ATTN: Director, Division of Nuclear Material Safety, in writing of the temporary job site status and the disposition of any licensed material used.
18. **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 financial assurance for decommissioning.**
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 April 24, 2001 (attached to letter dated April 25, 2001), and;
- B. Letters dated August 31, 2001, October 26, 2001, November 9, 2001, **July 18, 2006 (with enclosures), October 5, 2006 (with attachments)**, and;
- C. Facsimiles dated September 10, 2001, October 25, 2001, and December 7, 2001.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUN 28 2011By William P. Reichhold
William P. Reichhold
Materials Licensing Branch
Region III