

NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY

RADIOACTIVE MATERIAL LICENSE

Pursuant to Section 23.1-03-01 through Section 23.1-03-15 of Chapter 23.1-03 of the North Dakota Century Code, and Article 33.1-10 of the North Dakota Administrative Code, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess, and use the radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders now or hereafter in effect of the North Dakota Department of Environmental Quality and to any conditions specified below:

<p style="text-align: center;">Licensee</p> <p>1. Name White Owl Energy Services, Inc.</p> <p>2. Address PO Box 1953 Dickinson, ND 58602</p>	<p>3. License Number 33-67224-01 is issued in its entirety</p> <p>4. Expiration Date</p> <p>5. Reference Number 786</p>
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<p>6. Radioactive materials (element and mass number)</p> <p>A. Technologically Enhanced Naturally Occurring Radioactive Material (TENORM) atomic numbers 82-92 inclusive</p>	<p>7. Chemical and/or physical form</p> <p>A. Any form suitable for transport under U.S. DOT Regulations</p>	<p>8. Maximum quantity which licensee may possess at any one time</p> <p>A. Total activity not to exceed 18,603.60 megabecquerels (502.81 millicuries)</p>
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Abbreviation used in this license: United States Department of Transportation (U.S. DOT)

9. Authorized Use:

- A. For receipt, storage, use, and or possession incident in 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) Solidification, processing and treatment of Naturally Occurring Radioactive Material (NORM) and TENORM waste;
 - 3) Packaging and repackaging of customer TENORM waste for transport; and
 - 4) Transport in packages or containers approved for use under the provision of Chapter 33.1-10-13.1 and 49 CFR Parts 100-185 for transfer to licensees authorized to receive the materials, in accordance with the terms and conditions of licenses issued by the U.S. Nuclear Regulatory Commission or an Agreement State.

CONDITIONS

10. Licensed material shall be used and stored only at the licensee's facility located at 5756 105th Avenue NW, Tioga, ND, 58852.
11. A. The licensee shall comply with the following chapters of the North Dakota Radiological Health Rules:
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| Chapter 33.1-10-01 | General Provisions |
| Chapter 33.1-10-03.1 | Licensing of Radioactive Material |
| Chapter 33.1-10-04.2 | Standards for Protection Against Radiation |
| Chapter 33.1-10-10.1 | Notices, Instructions and Reports to Workers – Inspections |
| Chapter 33.1-10-11 | Fees for Issuance of License and Registration Certificates and Inspections |
| Chapter 33.1-10-13.1 | Packaging and Transportation of Radioactive Material |
| Chapter 33.1-10-23 | Regulation and Licensing of Technologically Enhanced Natural Occurring Radioactive Material |
- B. The licensee shall comply with all State and Federal environmental regulations. Issuance of this license does not supersede, replace or negate any local ordinances, codes, rules, or regulations. In addition, the licensee shall comply with all local fire, zoning and other applicable ordinances, codes, rules, and regulations as they affect the safe use and storage of radioactive material.
12. A. Licensed material shall be used by individuals who meet all of the following requirements:
- 1) Have been trained as specified in the application dated November 25, 2025, emails dated November 27, 2025, December 25, 2025, and March 17, 2026; and
 - 2) Have been designated, in writing, by the Radiation Safety Officer.
- The licensee shall maintain records of individuals trained and designated as users.
- B. The Radiation Safety Officer for this license is Josh Fox.
13. The licensee shall provide a personnel dosimeter that is processed and evaluated by an accredited National Voluntary Laboratory Accreditation Program (NVLAP) processor to each individual working with or in the vicinity of TENORM-impacted materials or equipment. Each personnel dosimeter must be assigned to and worn by only one individual. Film badges must be replaced at periods not to exceed one month and other personnel dosimeters must be replaced at periods not to exceed three months. After replacement, each personnel dosimeter must be processed as soon as possible. The licensee may request relief of this condition by submitting a minimum of twelve months of dosimetry reports to the Department for review.
14. The licensee is authorized to transport licensed material in accordance with the provisions of North Dakota Radiological Health Rules Chapter 33.1-10-13.1, "Packaging and Transportation of Radioactive Material."

15. The licensee shall maintain records showing the transport of TENORM waste and retain each record for 3 years from the date of transport. Records of TENORM waste transport shall include the manifest number, pick-up location, physical form and weight of material, drop-off location, date of transport and meter reading or concentration. Quarterly TENORM waste transport reports shall be filed within 30 calendar days of the end of each quarter with the North Dakota Department of Environmental Quality. The “Quarterly TENORM Transport Report” is available at <https://deq.nd.gov/WM/Radiation/TENORM.aspx> and shall be submitted electronically in excel format to ram@nd.gov.
16. The licensee shall acquire a sample of each container/load of licensed material to determine the concentrations of Radium-226 plus Radium-228 in picocuries per gram (pCi/g) prior to transfer for disposal in North Dakota. The sampling shall be performed prior to adding any other materials (i.e., drying agents). If smaller containers of licensed material are consolidated prior to transfer for disposal, a representative sample from each container shall be acquired and blended together to create a composite sample for analysis. The composite sample results will be the results of record for disposal. Records of sample results shall be maintained for a period of 3 years.
17. Except as specifically provided otherwise in this license, the licensee shall possess and use radioactive material described in Items 6, 7, and 8 of this license in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The North Dakota Radiological Health Rules shall govern unless the statements, representations, and procedures in the licensee’s application and correspondence or the conditions contained in this license are more restrictive than the North Dakota Radiological Health Rules.
 - A. Application dated November 25, 2025; emails dated November 27, 2025, December 14, 2025, December 20, 2025, December 25, 2025, December 26, 2025, March 6, 2026, and March 17, 2026.

FOR THE NORTH DAKOTA DEPARTMENT OF ENVIRONMENTAL QUALITY

Date: _____

By: _____

Charles R. Hyatt, Director
Division of Waste Management