

NORTH DAKOTA DEPARTMENT OF HEALTH

RADIOACTIVE MATERIAL LICENSE

Pursuant to Section 23-20.1-01 through Section 23-20.1-11 of Chapter 23-20.1 of the North Dakota Century Code, and Article 33-10 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 Health and to any conditions specified below:

1. Name STS ND, LLC 2. Address 7716 Depot Road Lisbon, OH 44432	3. License Number 33-53501-01 issued in its entirety
	4. Expiration Date July 2, 2024
	5. Reference Number 493

6. Radioactive Materials (element and mass Number)	7. Chemical and/or physical Form	8A. Maximum activity per source	8B. Maximum quantity which licensee may possess at any one time
A. Radium - 226	A. Environmental samples of technologically enhanced natural occurring radioactive material (TENORM)	A. 3.7 kilobecquerels (0.1 microcurie)	A. Total activity not to exceed 148 kilobecquerels (4.0 microcuries)
B. Radium - 228	B. Environmental samples of technologically enhanced natural occurring radioactive material (TENORM)	B. 3.7 kilobecquerels (0.1 microcurie)	B. Total activity not to exceed 148 kilobecquerels (4.0 microcuries)
C. Lead - 210	C. Environmental samples of technologically enhanced natural occurring radioactive material (TENORM)	C. 3.7 kilobecquerels (0.1 microcurie)	C. Total activity not to exceed 148 kilobecquerels (4.0 microcuries)

9. Authorized Use:

- A. – C. Possession incident to performing environmental sample analysis for TENORM compliance for Radium-226, Radium-228 and Lead-210 as a commercial service for any person as defined in 33-10-03.1[10 CFR 30.4].

CONDITIONS

10. A. Licensed material may be used only at temporary job sites of the licensee anywhere in the state of North Dakota, except in areas of exclusive federal jurisdiction. You must obtain reciprocity to work outside of North Dakota or in areas of exclusive federal jurisdiction.
- 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 under exclusive federal jurisdiction shall be obtained from the U.S. Nuclear Regulatory Commission.
- B. The licensee's local office location is 1206 Meredith Drive, Bismarck, North Dakota 58501.
11. A. The licensee shall comply with the following chapters of the North Dakota Radiological Health Rules:
- Chapter 33-10-01 General Provisions
 - Chapter 33-10-03.1 Licensing of Radioactive Material
 - Chapter 33-10-04.2 Standards for Protection Against Radiation
 - Chapter 33-10-10.1 Notices, Instructions, and Reports to Workers – Inspections
 - Chapter 33-10-11 Fees of Issuance of License and Registration Certification and Inspections
 - Chapter 33-10-13.1 Transportation of 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 only be used by, or under the supervision of individuals who have received the training described in the application dated June 19, 2014 and have been approved 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.
- B. The Radiation Safety Officer for this license is Charlie Brannon.
13. 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 North Dakota Radiological Health Rules Chapter 33-10-03.1[10 CFR 30.35] for establishing financial assurance for decommissioning.
14. The licensee is authorized to transport licensed material in accordance with the provisions of the North Dakota Radiological Health Rules, Chapter 33-10-13.1, "Transportation of Radioactive Material".

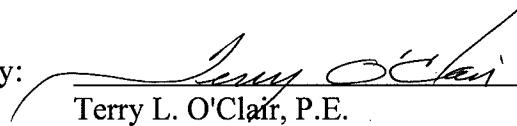
15. The licensee is authorized to conduct analysis of TENORM solids in accordance with their document entitled "Shale Testing Solutions, LLC Standard Operating Procedure SOP-STs-106 R1.1, Modified 901.1M Analytical Method for the Direct Measurement of Ra-226 and Ra-228 Activity, dated May 2, 2014."
16. Except as specifically provided otherwise by 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 North Dakota Radiological Health Rules shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the North Dakota Radiological Health Rules.
 - A. Application dated June 19, 2014; emails dated July 1, 2014, July 7, 2014 and July 31, 2014.

FOR THE NORTH DAKOTA DEPARTMENT OF HEALTH

Date: _____

8/6/14

By: _____



Terry L. O'Clair, P.E.
Director
Division of Air Quality