



Materials Inspection Record

1. Licensee Name: Stingray Pressure Pumping LLC		2. Docket Number(s): 030-39270		3. License Number(s) 34-35635-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: April 28, 2022		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 03120		8. Priority: 5	9. Inspection Guidance Used: IP 87124
10. Licensee Contact Name(s): Jamie Shrock - RSO Andrew Hess - Site RSO		11. Licensee E-mail Address: jschrock@stingraypp.com ahess@stingraypp.com		12. Licensee Telephone Number(s): 405-406-5113 405-423-0215	
13. Inspection Type: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		14. Locations Inspected: <input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		15. Next Inspection Date (MM/DD/YYYY): 04/28/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

Stingray Pressure Pumping, a subsidiary of Mammoth Energy, is an hydraulic fracturing services company based in Yukon, Oklahoma. The company has a State of Ohio license to possess Thermo Process Instruments 5190 and 5192 fixed gauges containing Cs-137 for density measurements at its district office in Belmont, Ohio, and in recent years had been using them in NRC jurisdiction under reciprocity. However, due to increasing work in West Virginia, the company applied for and, on July 14, 2021, was issued an NRC materials license to use its gauges (also known as densitometers) at temporary job sites in NRC jurisdiction. The company began principal activities under this license in October 2021. The listed RSO is based in Oklahoma, assisted in his oversight of the radiation safety program by the lead electronics technician in Belmont who served as Site RSO.

The inspector met with the Site RSO in Belmont to discuss the use of densitometers. The inspector toured the facility in Belmont to inspect devices that had been and would be used in NRC jurisdiction. All were in good condition, and all except one were adequately labeled. The inspector noted while performing independent radiation surveys that a Model 5190 gauge on a blender truck was labeled as a Yellow-II package. However, surface readings of approximately 60 mR/hr were noted on contact, which would have required a Yellow-III label, placarding, and other additional measures for transport. This blender had not been used in NRC jurisdiction; the two that had had additional shielding around their source holders to ensure that surface readings were low enough to qualify as Yellow-II packages. The inspector discussed this with the Site RSO, who acknowledged his understanding of these requirements. The inspector also confirmed that the licensee had adequate measures for security and for blocking and bracing of Model 5192 gauges used as removable in-line densitometers.

The inspector and Site RSO discussed the use, transport, and maintenance of densitometers (the company was authorized by Ohio to perform non-routine maintenance at the Belmont office, but was not authorized by the NRC to do so at temporary job sites), and reviewed the content and conduct of the company's radiation safety and hazardous materials transportation training. The inspector also reviewed the licensee's written radiation safety program, its emergency procedures for densitometers, its latest physical inventory and reviewed a selection of utilization logs, shipping papers, and sealed source leak test results.

No violations of NRC requirements were identified as a result of this inspection.