

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Taylor Engineering, LLC 109 E. Columbia St P.O. Box 674 Farmington, MO 63640 REPORT NUMBER(S) 2022001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-31739	4. LICENSE NUMBER(S) 24-26195-01	5. DATE(S) OF INSPECTION March 8, 2022

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

_____ Non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

Contrary to Condition 16 of the License Number 24-26195-01, Amendment Nos 6 and 7, licensee failed to conduct a physical inventory every 6 months to account for all sealed sources and/or devices since October 5, 2015. As corrective action, licensee committed to conduct and document the physical inventory of the portable gauges every 6 months.

Contrary to 10 CFR 20.1101 (c), licensee failed to review the radiation protection program content and implementation annually since 2016. As corrective action, licensee committed to conduct and document the annual radiation protection program audit.

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Zahid Sulaiman, Health Physicist	Zahid M. Sulaiman <small>Digitally signed by Zahid M. Sulaiman Date: 2022.03.30 09:27:25 -05'00'</small>	
BRANCH CHIEF	Michael Kunowski, Chief, MIB	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2022.03.30 09:33:44 -05'00'</small>	

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1. LICENSEE/LOCATION INSPECTED:

Taylor Engineering, LLC
109 E. Columbia St
P.O. Box 674
Farmington, MO 63640

REPORT NUMBER(S) 2022001

2. NRC/REGIONAL OFFICE

Region III
U. S. Nuclear Regulatory Commission
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

030-31739

4. LICENSE NUMBER(S)

24-26195-01

5. DATE(S) OF INSPECTION

March 8, 2022

(Continued)

Docket File Information

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3. DOCKET NUMBER(S) 030-31739	4. LICENSE NUMBER(S) 24-26195-01	5. DATE(S) OF INSPECTION March 8, 2022
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6. INSPECTION PROCEDURES USED	7. INSPECTION FOCUS AREAS
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SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)	2. PRIORITY	3. LICENSEE CONTACT	4. TELEPHONE NUMBER
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Main Office Inspection Next Inspection Date: _____

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

Docket File Information

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PROGRAM SCOPE



Materials Inspection Record

1. Licensee Name: Taylor Engineering, LLC		2. Docket Number(s): 030-31739		3. License Number(s) 24-26195-01	
4. Report Number(s): 2022001			5. Date(s) of Inspection: March 8, 2022		
6. Inspector(s): Zahid Sulaiman, Health Physicist		7. Program Code(s): 03121	8. Priority: 5	9. Inspection Guidance Used: 87124	
10. Licensee Contact Name(s): Kevin Harter, RSO Joe Gabel, PE		11. Licensee E-mail Address: kharter@tayloengineeringllc.com jgabel@tayloengineeringllc.com		12. Licensee Telephone Number(s): (573) 756-9226	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" 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): 03/08/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was an unannounced routine inspection of an engineering firm authorized to possess and use a CPN International Division, Model MC-1 and a Humboldt Scientific, Inc. Model-5001 series portable gauge devices. At the time of the inspection, the licensee was using a Humboldt Scientific, Model-5001 gauge for various construction projects around Farmington, MO and vicinity. The CPN Model MC-1 was not operational and was kept under long-term storage. The licensee employed an authorized gauge user who completed the manufacturer and the initial DOT hazmat training. The licensee secured the gauge in accordance with two tangible barrier rule, inside the locked carrying case, which was chained to the wall inside the locked storage area, and in the vehicle.

This inspection was consisted of tour of the facilities, interview with select licensee personnel, a review of select records, an observation of security of the materials, and independent measurement. At the time of the inspection, no gauge work was scheduled. The inspector had the licensee staff described gauge use, storage of gauge at temporary job site and during transportation, emergency procedure, placement of shipping papers in the vehicle, and other procedures. The portable gauges were adequately secured with two independent physical barriers while in storage at the main office or during transportation. The inspector reviewed selection of licensee records including leak tests, package receipts, utilization log, training records, and emergency response procedure. Through these demonstrations, observation, and discussion, the inspector found that the licensee staff was knowledgeable of radiation protection principles and licensee procedures, The inspector performed independent and confirmatory radiation measurements which indicated no residual contamination or exposures to members of the public in excess of regulatory limits.

The inspector identified two SLIV violations: (1) License Condition 16 of the License Number 24-26195-01, Amendment Nos. 6 and 7, licensee failed to conduct a physical inventory every 6 months to account for all sealed sources and/or devices since October 5, 2015. As corrective action, licensee committed to conduct and document the physical inventory of the portable gauges every 6 months; and (2) 10 CFR 20.1101(c), licensee failed to perform the annual radiation protection program content and implementation audit since 2016. As corrective action, licensee committed to conduct and document the annual radiation protection program audit.