

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Whitworth-Muench, Inc.
216 Lake Street
P.O. Box 548
Sikeston, MO 63801

REPORT NUMBER(S) 2016-001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-18085

4. LICENSE NUMBER(S)

24-20197-01

5. DATE(S) OF INSPECTION

3/18/16

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)

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	Robert G. Gattone, Jr.	<i>Robert G. Gattone, Jr.</i>	3/23/16
BRANCH CHIEF	Aaron T. McCraw	<i>[Signature]</i>	3/25/16

(07-2012)
10 CFR 2.201**Docket File Information****SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

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6. INSPECTION PROCEDURES USED

87124

7. INSPECTION FOCUS AREAS

02.01, 02.02, and 02.07

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S)

03121

2. PRIORITY

5

3. LICENSEE CONTACT

Carl Muench, RSO

4. TELEPHONE NUMBER

(573) 620-1459

☒ Main Office Inspection

Next Inspection Date: 03/18/2021

☐ Field Office Inspection☐ Temporary Job Site Inspection**PROGRAM SCOPE**

This was a post escalated enforcement follow-up inspection. The licensee had not conducted principal activities since the last inspection. The licensee was planning to decommission its licensed material and terminate its NRC license.

Performance Observations

The inspector: (1) observed that all 3 gauges were secured in the storage area per 10 CFR 30.34(i) (i.e., the wood panel sliding door was secured with 2 hasps and each hasp was locked with a padlock, and one padlock was more robust than the other padlock); (2) used a calibrated, NRC owned GM instrument to measure a maximum of 0.5 milliroentgen per hour (mR/hr) at 30 centimeters (cm) from the exterior surfaces of the storage area containing all of the gauges, and 280 mR/hr at the surface of a partially open cesium-137 (Cs-137) source shutter on a Campbell Pacific Nuclear (CPN) Model MC2 gauge (Serial No. M21033663); (3) noted that Serial No. M21033663 had no handle for the Cs-137 source rod which resulted in unintended, partial shutter opening and high dose rates; (4) noted that the area below where Serial No. M21033663 was stored was an unoccupied crawlspace which would be the location with the highest exposure rates incident to the partially open shutter; (5) noted that the radiation safety officer (RSO) said that the gauges have not been used since September 2012, and there was never any accident or damage to any of the gauges; (6) observed that the Serial No. M21033663 disconnected source rod handle was stored near the gauge; (7) did not observe any damage to Serial No. M21033663 and its disconnected source rod handle; (8) noted that the RSO was unaware of why Serial No. M21033663 had a disconnected source rod handle; (9) contacted CPN and spoke with a Senior Technician who: (a) confirmed that the Model MC2 source rod handle is not designed to be detached from the source rod by the gauge user; (b) instructed the RSO on how to safely re-attach the handle to the source rod with tape; and (c) instructed the RSO to subsequently obtain a specific allen wrench and use it to tighten a screw to secure the handle to the source rod; (10) used the NRC GM instrument to measure 4 mR/hr at the surface of the gauge case closest to where the Cs-137 source shutter was with Serial No. M21033663 inside of the case and the handle taped to the source rod; (11) used the NRC GM instrument to measure a maximum of: (a) 17 mR/hr at the surface of a Model MC3 gauge (Serial No. M33030135) and the Cs-137 source shutter was closed; and (b) 10 mR/hr at the surface of a Model MC2 gauge (Serial No. M21053814) and the Cs-137 source shutter was closed; (12) noted that the RSO planned to transfer all of the gauges via the orphan source program; (13) reminded the RSO that he must complete decommissioning by September 2016 or request an extension for decommissioning per 10 CFR 30.36(f); and (14) closed the previous violations regarding 10 CFR 30.34(i), annual audits, and physical inventory. The previous violation of 10 CFR 30.36 was not closed.