

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Lone Star Industries, Inc.
d/b/a Buzzi Unicem USA
3301 South County Road, 150 West
Greencastle, IN 46135

REPORT NUMBER(S) 2021001

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-38795

4. LICENSE NUMBER(S)

13-12374-02

5. DATE(S) OF INSPECTION

October 27, 2021

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	Zahid Sulaiman, Health Physicist	Zahid M. Sulaiman	Digitally signed by Zahid M. Sulaiman Date: 2021.11.08 16:40:10 -06'00'
BRANCH CHIEF	Michael Kunowski, Chief, MIB	Michael A. Kunowski	Digitally signed by Michael A. Kunowski Date: 2021.11.12 06:53:10 -06'00'



Materials Inspection Record

1. Licensee Name: Lone Star Industries, Inc.		2. Docket Number(s): 030-38795		3. License Number(s) 13-12374-02	
4. Report Number(s): 2021001			5. Date(s) of Inspection: October 27, 2021		
6. Inspector(s): Zahid Sulaiman, Health Physicist		7. Program Code(s): 03120		8. Priority: 5	9. Inspection Guidance Used: 87124
10. Licensee Contact Name(s): Craig Williams, RSO		11. Licensee E-mail Address: Craig.williams@buzziunicemusa.com		12. Licensee Telephone Number(s): Work: (765) 577-3006 Cell: (765) 720-1512	
13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Non-Routine <input type="checkbox"/> Initial <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): 10/27/2026 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

16. Scope and Observations:

This was a routine inspection of a concrete manufacturing facility that uses fixed gauges for density and fill level measurements. The licensee possessed six Berthold Technologies Model LB7440 fixed gauges containing cesium-137 sealed sources and one Berthold Technologies Model LB7442 fixed gauge containing a cobalt-60 sealed source. The gauges were mounted at the location of use indicated in the NRC license. The licensee conducts the leak tests of their gauges every 36 months. At the time of the inspection, three of the fixed gauges (Model LB7440) were not in use. The licensee was not authorized to perform any non-routine maintenance or service activities on the gauges.

PERFORMANCE OBSERVATIONS

This inspection consisted of a tour of the facilities, interviews with select licensee personnel, a review of select records, an observation of security of the materials, and independent measurements. The inspector physically observed the locations and areas where all the gauges were installed and had adequate postings. The inspector interviewed licensee's staff about the leak tests, shutter checks, lock-out procedures, gauge maintenance, and emergency response procedures. Through these discussions, the inspector found the licensee's staff to be knowledgeable of radiation protection principles and regulatory requirements.

The inspector reviewed a selection of relevant records, including master inventory, shutter checks, leak test results, and annual program audits, with no issues noted. The inspector performed independent radiation measurements in the vicinity of the gauges and found radiation level at or near background.

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