

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:
Lone Star Industries, Inc.
d/b/a Buzzi Unicem USA
3301 S. County Road 150 West
Greencastle, Indiana 46135
REPORT NUMBER(S): 11-01

2. NRC/REGIONAL OFFICE
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532

3. DOCKET NUMBER(S)
030-04404

4. LICENSEE NUMBER(S)
13-12374-01

5. DATE(S) OF INSPECTION
January 13, 2011

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, NUREG-1600, 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. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11

Title 10 of the Code of Federal Regulations (10 CFR) Part 20.1101(c) states that the licensee shall periodically (at least annually) review the radiation protection program content and implementation.

Contrary to the above, the licensee failed to periodically review the radiation protection program content and implementation between September 2007 and January 13, 2011, a period greater than one year. Specifically, the licensee did not review procedures or records of required inventories, surveys, and training.

The root cause of this violation was the licensee's lack of awareness of the requirement in 10 CFR 20.1101(c) to periodically review the radiation protection program. As corrective actions, the licensee completed the audit checklist contained in Appendix H to NUREG-1556, Vol. 4 before January 19, 2011. In addition, the licensee will document the performance of annual audits each year in the future.

This is a Severity Level IV Violation (Section 6.3.d.3)

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	Danny F. Smiley	<i>Danny F. Smiley</i>	1-20-11
NRC INSPECTOR	Andrew M. Bramnik	<i>Andrew M. Bramnik</i>	1/20/11
Branch Chief	Tamara E. Bloomer	<i>T. Bloomer</i>	1/20/11

Docket File Information
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3. DOCKET NUMBER(S) 030-04404	4. LICENSEE NUMBER(S) 13-12374-01	5. DATE(S) OF INSPECTION January 13, 2011
6. INSPECTION PROCEDURES 87124	7. INSPECTION FOCUS AREAS 03.01 – 03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM 3120	2. PRIORITY 5	3. LICENSEE CONTACT Danny Smiley, RSO	4. TELEPHONE NUMBER 765-653-9766
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Main Office Inspection

Next Inspection Date: January 2016

Field Office Inspection

Temporary Job Site Inspection

PROGRAM SCOPE

This was a routine inspection of a concrete manufacturing facility that uses fixed gauges for level measurements. The licensee possessed three Berthold Technologies Model LB7440 Series gauges containing sealed sources of cesium-137 and one Berthold Technologies Model LB7442 Series gauge containing a sealed source of cobalt-60. The gauges were mounted at the location of use indicated in the NRC license. The licensee was not authorized to perform any non-routine maintenance or service activities on the gauges.

Performance Observations

Interviews conducted with available staff revealed an adequate level of understanding of emergency and material handling procedures and techniques. The inspectors physically observed all gauges. The gauges and areas where the gauges were installed had adequate postings. The licensee conducted leak tests on all of their gauges at appropriate intervals.

Independent measurements did not indicate readings in excess of Title 10 of the Code of Federal Regulations (10 CFR) Part 20 limits in restricted or unrestricted areas. The licensee had adequate documentation in their fixed gauge owners' manuals to demonstrate that employees will not receive more than 10 percent of regulatory dose limits; therefore, personnel dosimetry was not required.

One violation for failure to conduct periodic reviews of the radiation safety program content and implementation was identified during this inspection, and is described in Part 1, above.