

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: W.R. Grace & Co. 5215 Kennedy Avenue East Chicago, IN 46312 REPORT NUMBER(S) 2017001	2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S) 030-14415	4. LICENSE NUMBER(S) 13-11504-02	5. DATE(S) OF INSPECTION 07/28/2017

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	Dennis P. O'Dowd	<i>Dennis P. O'Dowd</i>	07/28/2017
BRANCH CHIEF	Aaron T. McCraw	<i>Aaron T. McCraw</i>	8/14/17

Docket File Information

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3. DOCKET NUMBER(S) 030-14415	4. LICENSE NUMBER(S) 13-11504-02	5. DATE(S) OF INSPECTION July 28, 2017
6. INSPECTION PROCEDURES USED 87124	7. INSPECTION FOCUS AREAS 03.01 - 03.07	

SUPPLEMENTAL INSPECTION INFORMATION

1. PROGRAM CODE(S) 03120	2. PRIORITY 5	3. LICENSEE CONTACT Carl Muehlman, RSO, EHS Manager	4. TELEPHONE NUMBER (219) 391-4647
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Main Office Inspection Next Inspection Date: 07/28/2022

Field Office Inspection _____

Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine, unannounced inspection of a silicate products manufacturing company authorized by its NRC byproduct materials license to use Cs-137 in fixed density and level gauges, and in one calibration device, at its facility in East Chicago, IN. The company employed 48 individuals. The licensee possessed nine specifically licensed fixed gauges, specifically, eight Ronan Model SA-1 gauges, and one Ohmart Model SHRH-A Series gauge, as well as one survey meter calibration device (US Nuclear Model FCS-5). In addition, the licensee possessed one generally licensed fixed gauge (Ronan Model RLL-1). There were four individuals involved with use and oversight of the devices, including the RSO. All employees at the site were provided with radiation safety awareness training. The RSO on the license was also the licensee's environmental health and safety manager.

PERFORMANCE OBSERVATIONS

The inspector toured the facility and observed the condition and associated posting of seven level gauges, one density gauge, and the calibration device. During this time, the inspector performed independent and confirmatory radiation measurements, which indicated results consistent with the licensee's survey records and postings. No unusual readings were identified. Interviews with licensee personnel indicated adequate knowledge of radiation protection principles and practices. Proper lock-out procedures were adequately described.

The inspector reviewed the licensee's inventory records to confirm that the devices in the licensee's possession matched those authorized by the license. As described by the licensee and documented in its records, the licensee performed a physical inventory every six months, at which time all sealed sources were leak tested (required only every 36 months), all gauge shutters were checked for operability, and radiation surveys were conducted. The licensee did not perform any other service or non-routine maintenance on the gauges.

The inspector also reviewed records for training and dosimetry. Based on quarterly readings, the licensee's dosimetry indicated that all users received exposures well below regulatory limits.

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