

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: SABIC Innovative Plastics Mt. Vernon, LLC 1 Lexan Lane Mt. Vernon, IN 47620 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) 030-04383	4. LICENSE NUMBER(S) 13-10455-01	5. DATE(S) OF INSPECTION March 29, 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:

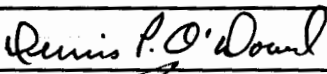
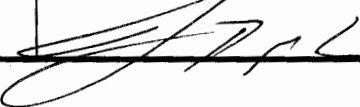
- ☒ 1. Based on the inspection findings, no violations were identified.
- ☒ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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		03/29/17
BRANCH CHIEF	Aaron T. McCraw		4/25/17

Docket File Information

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: SABIC Innovative Plastics Mt. Vernon, LLC 1 Lexan Lane Mt. Vernon, IN 47620-9364 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) 030-04383	4. LICENSE NUMBER(S) 13-10455-01	5. DATE(S) OF INSPECTION March 29, 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 Randy R. Boyer, RSO	4. TELEPHONE NUMBER (812) 831-7397
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- ☒ Main Office Inspection Next Inspection Date: March 29, 2022
- ☐ Field Office Inspection _____
- ☐ Temporary Job Site Inspection _____

PROGRAM SCOPE

This was a routine, unannounced inspection of a large manufacturing firm located in Mt. Vernon, Indiana, authorized to possess and use approximately 200 specifically licensed fixed gauges used in the production of plastic products, and up to four Nickel-63 sources in gas chromatography (G-C) devices. Seven individuals were routinely involved with use and oversight of fixed gauges as radiation specialists, including the Radiation Safety Officer (RSO); in addition, there were three radiation coordinators, limited to conducting gauge inventories. The licensee also had five G-C device users. The RSO reported to the site manager. As of the most recent license amendment (Amendment No. 45, issued in May 2015), the licensee was authorized to install, conduct initial radiation surveys, relocate, and remove gauges from service. All non-routine maintenance and other services involving the gauges were performed by the manufacturer.

Performance Observations

The inspector toured the plant facility. Eighteen gauges were observed in conjunction with the licensee's current inventory. The RSO described proper lock-out procedures, leak test procedures, and the survey techniques used if/when a gauge is relocated. No issues were identified. The licensee had several survey meters, all appropriately calibrated and operable. Interviews conducted with licensee staff revealed that under no circumstances would a vessel be entered without RSO supervision of lock-out/tag-out procedures. Gauges were leak tested at periodic internals in accordance with manufacturers' specifications. Inventories and shutter checks were performed at required frequencies. The inspector performed independent and confirmatory measurements that indicated similar results to the licensee's surveys.

The licensee's event dated November 20, 2013 (EN49559; NMED 130443), together with the corrective actions taken as described in letters dated November 21, 2013, and December 3, 2013, were reviewed as part of this inspection. As stated in NRC letter dated December 23, 2013, this item was considered closed. No other issues or incidents were identified by the inspector as having occurred since the time of this event. A previous violation of 10 CFR 31.5(c)(8) involving the transfer of six generally-licensed tritium exit signs to an unauthorized recipient was reviewed by the inspector and determined to have been corrected, as described in the licensee's letter dated April 23, 2012. This item is considered closed.

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