

## SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:  Kaiser Aluminum Warrick, LLC  4000 W. State Route 66 Newburgh, IN 47630  REPORT NUMBER(S) 2022001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
3. DOCKET NUMBER(S)  030-39281	4. LICENSE NUMBER(S)  13-35649-01	5. DATE(S) OF INSPECTION  September 28, 2022

**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 <small>Digitally signed by Zahid M. Sulaiman Date: 2022.10.14 16:23:38 -05'00'</small>	
BRANCH CHIEF	Michael Kunowski, Chief, MIB	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2022.10.18 06:01:59 -05'00'</small>	



## Materials Inspection Record

1. Licensee Name: Kaiser Aluminum Warrick, LLC		2. Docket Number(s): 030-39281		3. License Number(s): 13-35649-01	
4. Report Number(s): 2022001			5. Date(s) of Inspection: September 28, 2022		
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): Erin Blankenberger, CIH- RSO		11. Licensee E-mail Address: Erin.Blankenberger@kaiseraluminum.com		12. Licensee Telephone Number(s): Work: 812-965-4903 Cell: 812-629-5799	
13. Inspection Type: <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <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): 09/28/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	

## 16. Scope and Observations:

This was an announced initial inspection of a large aluminum manufacturing plant located in Newburgh, Indiana, authorized to possess strontium-90 sealed sources in SenTex Corporation fixed nuclear gauges. The licensee possessed five fixed gauges (SenTex, Model TX-1) to measure aluminum thickness. Alcoa Inc. (license no.13-20644-01, docket no. 030-20691) was split into two different companies Alcoa Power Generating Inc. and Kaiser Aluminum Warrick, LLC. The licensee purchased the Kaiser Aluminum Warrick, LLC on April 1, 2021 and was issued a new license. The five fixed gauges that were present at the Kaiser Aluminum Warrick manufacturing operations got transferred to the new license (Kaiser Aluminum Warrick, LLC).

## PERFORMANCE OBSERVATIONS

This inspection consisted of a tour of the facilities, interview with select licensee personnel, a review of select records, an observation of security of the materials, and independent measurements. The inspector toured the plant where the five fixed gauges were located to evaluate the licensee's measures for materials security, hazard communication, and exposure control. The inspector interviewed licensee's staff about the leak test, shutter check, lock-out/tag-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, semi-annual leak test results and area surveys, monthly shutter checks, and initial and annual radiation safety training. The inspector performed independent radiation measurements and found no exposures distinguishable from background.

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