



## Materials Inspection Report

<b>1. Licensee/Location Inspected:</b>  PQ LLC 1101 Quartz Road Clarksville, IN 47129  Report Number(s) 2022-001	<b>2. NRC/Regional Office</b>  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
--	--

<b>3. Docket Number(s)</b> 030-38447	<b>4. License Number(s)</b> 13-32825-01	<b>5. Date(s) of Inspection</b> October 19, 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. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.
  - A. 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, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.  
 (Non-cited violation(s) was/were discussed involving the following requirement(s))
  - B. The following violation(s) is/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 AND DATE
LICENSEE'S REPRESENTATIVE		
NRC INSPECTOR	Ryan Craffey	 <small>Digitally signed by Ryan J. Craffey Date: 2022.11.02 16:20:24 -04'00'</small>
BRANCH CHIEF	Michael Kunowski	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2022.11.03 10:57:26 -05'00'</small>



### Materials Inspection Record

1. Licensee Name: PQ LLC		2. Docket Number(s): 030-38447		3. License Number(s) 13-32825-01	
4. Report Number(s): 2022-001			5. Date(s) of Inspection: October 19, 2022		
6. Inspector(s): Ryan Craffey		7. Program Code(s): 03120	8. Priority: 5	9. Inspection Guidance Used: IP 87124	
10. Licensee Contact Name(s): Paige Pryse - RSO		11. Licensee E-mail Address: paige.pryse@pqcorp.com		12. Licensee Telephone Number(s): 502-262-2239	
13. Inspection Type: <input type="checkbox"/> Initial		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced		<input type="checkbox"/> Main Office <input type="checkbox"/> Field Office		10/19/2027 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	
<input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		<input type="checkbox"/> Temporary Job Site <input checked="" type="checkbox"/> Remote			

16. Scope and Observations:

PQ Corporation was a specialty chemical supplier authorized to use fixed nuclear gauges at a sodium silicate plant in Clarksville, Indiana. At the time of the inspection, the licensee had four Texas Nuclear (now Thermo Process Instruments) Model 5205 source holders containing millicurie quantities of Cs-137 for level measurements on pressure vessels. The licensee had 14 employees on-site; its furnace and process engineering manager served as RSO. Leak tests and non-routine maintenance activities were performed by an authorized service provider.

The inspector met with licensee personnel via video teleconference to discuss the status of the radiation protection program. The inspector reviewed a selection of records via screen share, including semiannual sealed source inventories and shutter checks, triennial leak test results, lockout/tagout procedures, and radiation safety training materials for plant personnel. The licensee then provided the inspector with a video tour of the plant, including the pressure vessels (known as dissolvers) on which the gauges were mounted. All four devices were properly labeled and posted and appeared to be in good condition. The licensee's personnel discussed the conduct of shutter checks, collection of leak tests, implementation of lockout/tagout procedures, and response to emergencies. The inspector found them to be knowledgeable of radiation protection principles, regulatory requirements, and operation of the equipment.

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