

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:

Paradigm Design, Inc.  
550 3 Mile Road NW  
Grand Rapids, Michigan 49544

REPORT NUMBER(S) 2018001

2. NRC/REGIONAL OFFICE

Region III  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

3. DOCKET NUMBER(S)

030-36188

4. LICENSE NUMBER(S)

21-32437-01

5. DATE(S) OF INSPECTION

March 29, 2018

**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:

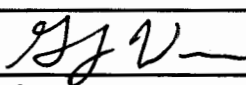

- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was 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	Geoffrey Warren, Sr. HP		3/29/18
BRANCH CHIEF	Aaron McCraw		4/26/2018

**Docket File Information****SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

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6. INSPECTION PROCEDURES USED  87124	7. INSPECTION FOCUS AREAS  03.01 - 03.07		

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  03121	2. PRIORITY  5	3. LICENSEE CONTACT  Brian Holleman, RSO	4. TELEPHONE NUMBER  (616) 785-5581
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<input checked="" type="checkbox"/> Main Office Inspection	Next Inspection Date: 03/29/2023
<input type="checkbox"/> Field Office Inspection	
<input type="checkbox"/> Temporary Job Site Inspection	

**PROGRAM SCOPE**

This was an unannounced routine inspection. The licensee was an engineering firm located in Grand Rapids, Michigan. The licensee possessed one portable gauge as described on the license for use intermittently during the construction season (April-November) for aggregate testing. The licensee did not perform any service or maintenance activities on its gauges; these services were performed by a licensed service provider. The licensee employed one authorized gauge user who had completed manufacturers training; the radiation safety officer was a former gauge user. The device was stored in a vault in the licensee's office in Grand Rapids, Michigan. The licensee secured the gauge in accordance with the two barriers rule in their storage vault and in vehicles.

Performance Observations: The gauge was not in use at the time of the inspection. The inspector observed storage and security of the gauge at the licensee's facility. Licensee staff demonstrated the transport and use of the gauge in the field. The operator possessed required shipping papers which contained all appropriate information and would be accessible in the transport vehicle. The operator demonstrated an adequate level of understanding of emergency and handling procedures. Security during transport and at the job-site was described with no problems noted. Interviews with licensee personnel indicated adequate knowledge of radiation safety concepts and procedures, including the two barriers rule. Review of dosimetry records indicated no exposures of regulatory concern. The inspector performed independent and confirmatory radiation measurements which indicated results consistent with licensee survey records and postings.

No violations were identified as a result of this inspection.