

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

|  |   |   |  |
|--|---|---|--|
| 1. LICENSEE/LOCATION INSPECTED:<br><br>Digirad Imaging Solutions, Inc.<br>1048 Industrial Court, Suite E<br>Suwanee, GA 30024<br>Location Inspected: Winamac, IN<br><br>REPORT NUMBER(S) 2018001 |   | 2. NRC/REGIONAL OFFICE<br><br>Region III<br>U. S. Nuclear Regulatory Commission<br>2443 Warrenville Road, Suite 210<br>Lisle, IL 60532-4352 |  |
| 3. DOCKET NUMBER(S)<br><br>030-38357   | 4. LICENSE NUMBER(S)<br><br>10-29283-02 | 5. DATE(S) OF INSPECTION<br><br>February 21, 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.

One Non-cited violation(s) were discussed involving the following requirement(s):

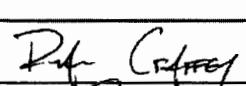
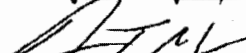
10 CFR 35.61(a) states that a licensee shall calibrate the survey instruments used to show compliance with this part and 10 CFR Part 20 before first use, annually, and following a repair that affects the calibration.

Contrary to the above, on several occasions between December 14, 2017 and January 30, 2018, the licensee used a survey instrument that had not been calibrated annually to conduct surveys required by 10 CFR 35.80(a) (4). Specifically, this meter had last been calibrated on December 13, 2016.

- 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             | Ryan Craffey |  | 03/05/2018 |
| BRANCH CHIEF              | Aaron McCraw |  | 03/05/2018 |

**Docket File Information**

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

|  |   |
|--|---|
| 1. LICENSEE/LOCATION INSPECTED:<br><br>Digirad Imaging Solutions, Inc.<br>1048 Industrial Court, Suite E<br>Suwanee, GA 30024<br>Location Inspected: Winamac, IN<br><br>REPORT NUMBER(S) 2018001 | 2. NRC/REGIONAL OFFICE<br><br>Region III<br>U. S. Nuclear Regulatory Commission<br>2443 Warrenville Road, Suite 210<br>Lisle, IL 60532-4352 |
|--|---|

|  |   |   |
|--|---|---|
| 3. DOCKET NUMBER(S)<br><br>030-38357       | 4. LICENSE NUMBER(S)<br><br>10-29283-02 | 5. DATE(S) OF INSPECTION<br><br>February 21, 2018 |
| 6. INSPECTION PROCEDURES USED<br><br>87130 | 7. INSPECTION FOCUS AREAS<br><br>All    |   |

**SUPPLEMENTAL INSPECTION INFORMATION**

|                                 |                      |  |   |
|---------------------------------|----------------------|--|---|
| 1. PROGRAM CODE(S)<br><br>02220 | 2. PRIORITY<br><br>3 | 3. LICENSEE CONTACT<br><br>Charles Lazarre - RSO | 4. TELEPHONE NUMBER<br><br>(504) 940-7271 |
|---------------------------------|----------------------|--|---|

Main Office Inspection                      Next Inspection Date:       No Change      

Field Office Inspection    616 East 13th Street, Winamac, Indiana

Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

This was an unannounced routine inspection of a mobile nuclear medicine service provider authorized to use byproduct material for diagnostic medical purposes at three base stations, two fixed client locations, and temporary job sites in NRC jurisdiction. The scope of this inspection was limited to the conduct of licensed activities at Pulaski Memorial Hospital, the licensee's location of use in Winamac, Indiana . At the time of this inspection, one technologist typically performed 2-4 administrations on Tuesday mornings and/or Wednesday afternoons. As part of its contract with the hospital, the licensee maintained control of a small hot lab for storage of radioactive material and waste. The licensee's regional imaging manager audited the implementation of the radiation safety program at this and other locations of use quarterly.

**PERFORMANCE OBSERVATIONS**

The inspector toured the facility in Winamac to evaluate the licensee's measures for materials security, hazard communication, and exposure control. The inspector conducted independent surveys of the facility and found no evidence of residual contamination nor exposures to members of the public in excess of regulatory limits. The inspector observed the administration of two doses for a cardiac stress test, as well as the receipt of packages containing radioactive material. The technologists also demonstrated the implementation of licensee procedures for area surveys and waste handling. The inspector reviewed a selection of records available on-site, including daily logs, quarterly audits, personnel dosimetry reports, survey meter calibration certificates, and hazmat refresher training material.

During a review of the licensee's January 30, 2018 audit, the inspector noted a violation of 10 CFR 35.61(a) for the licensee's self-identified use of a survey meter that had not been calibrated within the last year. The licensee determined that the root cause of the violation was an oversight by the technologist, who never noticed the expired calibration. As corrective action, the licensee immediately replaced the out-of-calibration instrument with a new one, and revised the daily logs to explicitly require the technologist to check and record the calibration due date.

Because this violation was self-identified, non-repetitive, not willful, and corrected, it was characterized as an NCV in accordance with Section 2.3.2 of the NRC Enforcement Policy.