

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  Downriver Heart and Vascular Specialists  15150 Fort Street Southgate, MI 48195  REPORT NUMBER(S) 2021001		2. NRC/REGIONAL OFFICE  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352	
3. DOCKET NUMBER(S)  030-36512	4. LICENSE NUMBER(S)  21-32494-01	5. DATE(S) OF INSPECTION  September 23, 2021 w/in-office review through 9/30/2021	

**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: 2021.10.13 17:12:50 -05'00'</small>	
BRANCH CHIEF	Michael Kunowski, Chief, MIB	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2021.10.18 15:49:53 -05'00'</small>	



### Materials Inspection Record

1. Licensee Name: Downriver Heart and Vascular Specialists		2. Docket Number(s): 030-36512		3. License Number(s) 21-32494-01	
4. Report Number(s): 2021001			5. Date(s) of Inspection: September 23, 2021 w/ in-office through 9/30/2021		
6. Inspector(s): Zahid Sulaiman, Health Physicist		7. Program Code(s): 2201	8. Priority: 5	9. Inspection Guidance Used: 87130	
10. Licensee Contact Name(s): Judi Spiegel, NMT		11. Licensee E-mail Address: judispiegel@hotmail.com		12. Licensee Telephone Number(s): 734-282-4800	
13. Inspection Type:		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input type="checkbox"/> Initial <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced		<input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		09/23/2026 <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 unannounced routine inspection of an outpatient cardiology clinic authorized to use byproduct materials for medical purposes permitted by 10 CFR 35.200. The nuclear medicine department was staffed with two full-time nuclear medicine technologists (NMTs), who performed approximately 120-150 diagnostic doses monthly. The diagnostic procedures performed was cardiac stress test only using technetium-99m (Tc-99m). The licensee had a consultant physicist who performed quarterly audits of the radiation safety program.

#### PERFORMANCE OBSERVATIONS

This inspection was consisted of tour of the clinic, interview with select licensee personnel, a review of select records, and an observation of security of the materials. The inspector observed preparation and administration of Tc-99m for diagnostic procedures on two patients. The inspector: (1) observed the NMT conduct a physical inventory of sealed sources, and all sources were accounted for; (2) had the NMT demonstrate the package receipt surveys and wipes, dose calibrator constancy check, daily area surveys and weekly wipe tests, and proper handling of radioactive waste and disposal procedures, with no issue noted. Through observations and discussion, the inspector found that the licensee personnel was knowledgeable of radiation protection principles, licensee procedures, and regulatory requirements.

The inspector reviewed the following records: quarterly program audits, dose calibrator linearity and accuracy tests, package receipts, waste disposal records, DOT Hazmat training, instrument calibration, sealed source leak tests and inventory, daily area surveys, and weekly wipe tests. The inspector reviewed dosimetry records for 2019 through February 28, 2021, indicating the maximum annual dose to be 228 mrem - DDE, and 465 mrem - SDE.

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