

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Freeman - Oak Hill Health System 1102 West 32nd Street Joplin MO. 64804</p> <p>REPORT NUMBER(S) 15-001</p>	<p>2. NRC/REGIONAL OFFICE</p> <p>Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352</p>	
<p>3. DOCKET NUMBER(S)</p> <p>030-12360</p>	<p>4. LICENSE NUMBER(S)</p> <p>24-17205-01</p>	<p>5. DATE(S) OF INSPECTION</p> <p>December 15, 2015</p>

**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:

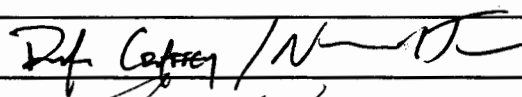
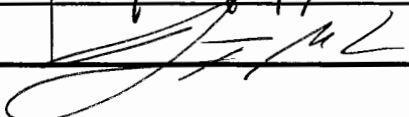
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Ryan Craffey/Navid Tehrani		12/15/15
BRANCH CHIEF	Aaron McCraw		12/24/15

**Docket File Information**

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3. DOCKET NUMBER(S)  030-12360	4. LICENSE NUMBER(S)  24-17205-01	5. DATE(S) OF INSPECTION  December 15, 2015	
6. INSPECTION PROCEDURES USED  87131	7. INSPECTION FOCUS AREAS  03.01-03.07		

**SUPPLEMENTAL INSPECTION INFORMATION**

1. PROGRAM CODE(S)  02120	2. PRIORITY  3	3. LICENSEE CONTACT  Paul Jones, M.D., RSO	4. TELEPHONE NUMBER  (417) 626-1111
<input checked="" type="checkbox"/> Main Office Inspection                      Next Inspection Date:                      12/15/2018			
<input checked="" type="checkbox"/> Field Office Inspection    932 East 34th Street Joplin, MO			
<input type="checkbox"/> Temporary Job Site Inspection			

**PROGRAM SCOPE**

This was an unannounced routine inspection of a medical institution with authorization to use byproduct materials for diagnostic and therapeutic medical procedures under 10 CFR 35.100, 35.200 and 35.300 at two locations in Joplin, Missouri. The inspection reviewed the radiation safety program at both facilities listed on the license, which included four hot labs. The licensee staffed five nuclear medicine technologist (NMT) that rotated between each facility. The licensee's hot lab in the Radiology department at the main facility on 32nd Street routinely conducted 5-7 patient studies daily with one rotating NMT. The other hot lab at this facility, in the Heart Center, routinely conducted 7-9 cardiac stress tests daily with two NMTs. The licensee administered therapy doses of I-131 at the main facility, and averaged 10-15 administration per month. The licensee's PET Center on 34th Street averaged eight studies daily with one NMT. The licensee also conducted around three general nuclear studies daily at a second hot lab at this facility, with a second NMT. The licensee received unit doses from a local nuclear pharmacy, and unit doses of F-18 for PET from a Kansas City, Missouri cyclotron. The licensee still possessed temporary implant brachytherapy seeds in secure storage at the 32nd Street facility, pending disposal.

During the inspection, the licensee's NMT staff demonstrated/discussed: survey instruments and required surveys; PET package receipt and check-in procedures; wipe test counting; PET unit dose and safe handling procedures; daily dose calibrator constancy test; I-131 procedures, written directives, and 10 CFR 35.75 requirements; waste handling; sealed source inventories; security and storage of licensed material; radiation safety committee meetings; contamination events (none); and dosimetry. Records pertaining to dosimetry, leak tests, radiation safety program audits, dose calibrator linearity and accuracy tests, and radiation safety committee meetings are maintained at the West facility and were reviewed during the inspection. The inspectors performed independent and confirmatory radiation measurements, which indicated results consistent with the licensee survey records and postings.

No violations of NRC requirements were identified during this inspection.