

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED:

Freeman - Oak Hill Health System
d/b/a Freeman Hospitals and Health System
1102 West 32nd Street
Joplin, MO 64804

REPORT NUMBER(S) 12-01

2. NRC/REGIONAL OFFICE

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

3. DOCKET NUMBER(S)

030-12360

4. LICENSE NUMBER(S)

24-17205-01

5. DATE(S) OF INSPECTION

September 13, 2012

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:

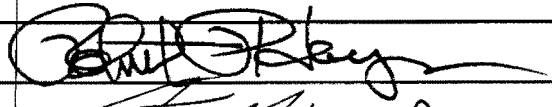
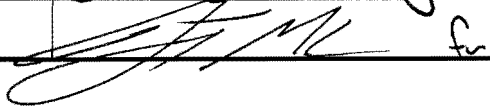
- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is 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	Robert P. Hays		9/13/12
BRANCH CHIEF	Tamara E. Bloomer	 for	9/21/12

Docket File Information
SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

<p>1. LICENSEE/LOCATION INSPECTED:</p> <p>Freeman - Oak Hill Health System d/b/a Freeman Hospitals and Health System 1102 West 32nd Street Joplin, MO 64804</p> <p>REPORT NUMBER(S) 12-01</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>September 13, 2012</p>
---	--	---

<p>6. INSPECTION PROCEDURES USED</p> <p>87131</p>	<p>7. INSPECTION FOCUS AREAS</p> <p>03.01-03.07</p>
---	---

SUPPLEMENTAL INSPECTION INFORMATION

<p>1. PROGRAM CODE(S)</p> <p>2120</p>	<p>2. PRIORITY</p> <p>3</p>	<p>3. LICENSEE CONTACT</p> <p>Paul Jones, M.D., RSO</p>	<p>4. TELEPHONE NUMBER</p> <p>(417) 626-1111</p>
---------------------------------------	-----------------------------	---	--

Main Office Inspection Next Inspection Date: 09/11/2015

Field Office Inspection 932 East 34th Street, Joplin, Missouri

Temporary Job Site Inspection _____

PROGRAM SCOPE

The licensee was a medical institution with authorization by the license to use byproduct materials for diagnostic and therapeutic medical procedures under 10 CFR 35.100, 35.200, 35.300, and 35.400 at two locations as specified on the license. The inspection reviewed the radiation safety program at the licensee's East facility located at 932 East 34th Street, Joplin, Missouri. This location of use has added a PET-CT facility to the license since the previous inspection. The licensee's PET Center receives F-18 unit doses from a Kansas City, MO cyclotron and averages 2-3 patient studies each weekday, administered by one nuclear medicine technologist (NMT). No cardiac CT studies using a Rb-82 generator are performed. The licensee's Nuclear Medicine Department routinely conducts a daily average of 4-5 patient studies with one NMT. No therapy doses of I-131 or 10 CFR 35.400 procedures are performed at this facility. Iodine-131 procedures requiring a written directive averaged one administration per month with no administration greater than 5 millicuries. The licensee receives unit doses from a local nuclear pharmacy.

Performance Observations

During the inspection, the licensee's NMT staff demonstrated/discussed: (1) survey instruments and required surveys; (2) PET package receipt and check-in procedures; (3) wipe test counting; (4) PET unit dose and safe handling procedures; (5) Daily dose calibrator constancy test; (6) I-131 procedures, written directives, and 10 CFR 35.75 requirements; (7) waste handling; (8) sealed source inventories; (9) security and storage of licensed material; (10) radiation safety committee meetings; (11) contamination events (none); and (12) dosimetry. Note: 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 not reviewed during the inspection.

The inspector performed independent and confirmatory radiation measurements, which indicated results consistent with the licensee survey records and postings.