



Materials Inspection Report

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| 1. Licensee/Location Inspected: SSM Health St. Joseph Hospital - St. Charles 300 First Capitol Dr. St. Charles, MO 63301 Report Number(s) 2024001 | 2. NRC/Regional Office Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352 |
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| 3. Docket Number(s) 030-08664 | 4. License Number(s) 24-15159-01 | 5. Date(s) of Inspection 2/21/2024 |
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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. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements, and were assessed at Severity Level IV, in accordance with the NRC Enforcement Policy.

A. 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, corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy were satisfied.
 (Non-cited violation(s) was/were discussed involving the following requirement(s))

B. The following violation(s) is/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 AND DATE |
|---------------------------|-------------------------|--|
| LICENSEE'S REPRESENTATIVE | | |
| NRC INSPECTOR | Luis Nieves/ Mary Casto | Luis A. Nieves Folch <small>Digitally signed by Luis A. Nieves Folch Date: 2024.03.05 15:03:24 -06'00'</small> Mary C. Casto <small>Digitally signed by Mary C. Casto Date: 2024.03.05 15:07:52 -06'00'</small> |
| BRANCH CHIEF | Rhex Edwards | <small>Digitally signed by RHEX EDWARDS Date: 2024.03.06 11:58:28 -06'00'</small> |



Materials Inspection Record


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| 1. Licensee Name: SSM Health St. Joseph Hospital St. Charle | | 2. Docket Number(s): 030-08664 | | 3. License Number(s) 24-15159-01 | |
| 4. Report Number(s): 2024001 | | | 5. Date(s) of Inspection: 2/21/2024 | | |
| 6. Inspector(s): Luis Nieves Folch/Mary Casto | | 7. Program Code(s): 02240 | 8. Priority: 2 | 9. Inspection Guidance Used: 87130, 87132 | |
| 10. Licensee Contact Name(s): Britta Green RT(N)(CT), CNMT PET, RSO | | 11. Licensee E-mail Address: britta.green@ssmhealth.com | | 12. Licensee Telephone Number(s): 314-768-8237 | |
| 13. Inspection Type: <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input checked="" type="checkbox"/> Unannounced | | 14. Locations Inspected: <input type="checkbox"/> Hybrid <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote | | 15. Next Inspection Date (MM/DD/YYYY): 2/21/2026 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change | |
| 16. Location(s) Inspected List: 300 First Capitol Drive, St. Charles, Missouri 1475 Kisker Road, St. Charles, Missouri | | | | | |
| 17. Scope and Observations: <p>This was a routine, unannounced inspection of a hospital authorized by its NRC license to use unsealed byproduct material for diagnostic and therapy procedures under 10 CFR 35.100, 35.200, 35.300, 35.400, and 35.1000 Intravascular Brachytherapy (IVB) located in St. Charles, Missouri. They performed a variety of diagnostic procedures and received unit doses from a nearby radiopharmacy. Their Nuclear Medicine Department was staffed with two Nuclear Medicine Technologists (NMT) who worked Mondays to Fridays. The licensee had two hot labs and performed around eight diagnostic procedures daily, six Iodine therapies per year, ten prostate seed implants per quarter, and fifteen IVB per year. All waste is either held in storage for decay in storage or returned to the radiopharmacy. The licensee had a medical physics consultant perform quarterly audits of their program.</p> <p>At the Kisker Road location the licensee had one NMT who performed only cardiac procedures M-F for about four patients each day. At the time of the inspection, no administrations were observed at this location.</p> <p>At the main hospital, the inspectors conducted a tour of the nuclear medicine department and hot lab and also visited the IVB hot lab. The inspectors discussed the NMTs package receipt, surveys, and instrument quality control checks. The inspectors observed two cardiac studies injections. Through interviews, the NMT demonstrated adequate knowledge of radiation safety principles and practices. The inspector performed independent surveys of the hot lab and other areas of the nuclear medicine department and found no contamination or exposure to members of the public distinguishable from the background. The inspector reviewed quarterly audit reports, safety committee minutes, and documentation of package receipts, area surveys, written directives, instrument quality control, waste disposal, and employee training. The inspector also reviewed monthly dosimetry reports, which indicated annual whole-body and extremity doses below regulatory limits.</p> <p>The licensee demonstrated the use of their IVB device to treat stents and prevent restriction in your arteries. The device is sent back to the manufacturer for calibration annually, and it is operated hydraulically using syringes. The inspector reviewed several treatment plans and written directives for prostate implants.</p> | | | | | |

Materials Inspection Record (Continued)

No violations of NRC requirements were identified during this inspection.

Signature and Date - Branch Chief

A handwritten signature in black ink, appearing to be 'RHEX EDWARDS', written over a horizontal line.

 Digitally signed by RHEX EDWARDS
Date: 2024.03.06 11:57:56 -06'00'

From: Luis Nieves Folch
To: britta.green@ssmhealth.com
Subject: IR 591 St Joseph Hospital St. Charles
Date: Wednesday, March 6, 2024 4:00:00 PM
Attachments: [591M- St. Joseph sign_RAE.pdf](#)

Dear Britta

Attach is the clear 591 report for the inspection conducted on 2/21/2024. At this point there is no further actions on your part.

In accordance with Title 10 of the Code of Federal Regulations 2.390 of the NRC's "Rules of Practice," a copy of this message will be available electronically for public inspection in the NRC's Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC's website at <http://www.nrc.gov/reading-rm/adams.html>.

Please feel free to contact me if you have any questions regarding this correspondence.

Thank you,

Luis Nieves
Health Physicist
U.S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
Office: (630) 829-9571
Fax: (630) 515-1259