

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

1. LICENSEE/LOCATION INSPECTED:  SSM Health Cardinal Glennon Children's Hospital 1465 South Grand Blvd. St. Louis, MO 63104  REPORT NUMBER(S) 2021001	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)  030-35553	4. LICENSE NUMBER(S)  24-32264-01	5. DATE(S) OF INSPECTION  May 11, 2021
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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. 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	Luis Nieves	Luis A. Nieves Folch <small>Digitally signed by Luis A. Nieves Folch Date: 2021.05.24 14:16:47 -05'00'</small>	
BRANCH CHIEF	Michael Kunowski	Michael A. Kunowski <small>Digitally signed by Michael A. Kunowski Date: 2021.05.24 15:08:01 -05'00'</small>	



### Materials Inspection Record

1. Licensee Name: SSM Health Cardinal Glennon Children's		2. Docket Number(s): 030-35553		3. License Number(s) 24-32264-01	
4. Report Number(s): 2021001			5. Date(s) of Inspection: May 11, 2021		
6. Inspector(s): Luis Nieves		7. Program Code(s): 02240	8. Priority: 2	9. Inspection Guidance Used: 87130, 87131, 87132	
10. Licensee Contact Name(s): Wallace Fuhrman, CNMT, RSO		11. Licensee E-mail Address: wally.fuhrman@ssmhealth.com		12. Licensee Telephone Number(s): 314-795-0891	
13. Inspection Type:		14. Locations Inspected:		15. Next Inspection Date (MM/DD/YYYY):	
<input type="checkbox"/> Initial <input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		<input checked="" type="checkbox"/> Main Office <input type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		May 11, 2023 <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 announced, routine inspection of a hospital authorized by its NRC license to use unsealed byproduct material for diagnostic and therapeutic procedures under 10 CFR 35.100, 200, 300, and 1000 (Y-90). The nuclear medicine department was staffed with one full-time nuclear medicine technologists (NMTs) who performed approximately one diagnostic nuclear medicine procedures daily from Mondays to Fridays. The licensee dose not perform any therapies or Y-90 administrations since the last inspection, those treatment are perform in a near by hospital of Saint Louis University. The licensee dispose of the material utilizing DOE program to remove excess, unwanted, abandoned, or orphan radioactive sealed sources. The manufacturer of the blood irradiator Mikron was present to aid in the removal efforts. The licensee communicated their plans to decommission the unit with the NRC, including updates when the schedule changed.

PERFORMANCE OBSERVATIONS

The inspector toured of the nuclear medicine hot lab and discussed with the NMT package receipt, surveys, and instrument quality control checks. The NMT and RSO demonstrated adequate knowledge of radiation safety principle and practices though interviews. The inspector reviewed quarterly audit reports, wipes, surveys, instrument quality control, inventory, dose calibrator linearity and accuracy, and training. The inspector also reviewed monthly dosimetry reports which indicated annual whole-body and extremity doses were below regulatory limits.

After the last routine inspection, one security-related violation that had been cited previously remained open. As a result of the removal of the blood irradiator, the licensee is no longer subject to this requirement. Based on this, the violation is closed.

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

**From:** [Nieves Folch, Luis](#)  
**To:** [wally.fuhrman@ssmhealth.com](mailto:wally.fuhrman@ssmhealth.com)  
**Subject:** SSM Glennon Children's Hospital NRC 591  
**Date:** Friday, May 28, 2021 9:09:00 AM  
**Attachments:** [SSM Glennon Children's Hospital NRC 591M \(2\)mk.pdf](#)

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**Dear Mr. Fuhrman**

**Attach is the clear 591 report for the inspection conducted on May 11, 2021. 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**