



## Materials Inspection Report

<b>1. Licensee/Location Inspected:</b>  Franciscan Health Michigan City 3500 Franciscan Way Michigan City, Indiana 46360  <b>Report Number(s)</b> 2022001	<b>2. NRC/Regional Office</b>  Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
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<b>3. Docket Number(s)</b> 03009928	<b>4. License Number(s)</b> 13-13144-02	<b>5. Date(s) of Inspection</b> 11/22/2022-12/09/2022
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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	Craig Menninga	
NRC INSPECTOR	Elizabeth Tindle-Engelmann	Elizabeth D. Tindle-Engelmann <small>Digitally signed by Elizabeth D. Tindle-Engelmann Date: 2022.12.09 10:34:49 -06'00'</small>
BRANCH CHIEF	Rhex Edwards	 <small>Digitally signed by Rhex A. Edwards Date: 2022.12.12 14:49:14 -06'00'</small>



### Materials Inspection Record

<b>1. Licensee Name:</b> Franciscan Health Michigan City		<b>2. Docket Number(s):</b> 03009928		<b>3. License Number(s)</b> 13-13144-02	
<b>4. Report Number(s):</b> 2022001			<b>5. Date(s) of Inspection:</b> 11/22/2022-12/09/2022		
<b>6. Inspector(s):</b> Elizabeth Tindle-Engelmann		<b>7. Program Code(s):</b> 02120	<b>8. Priority:</b> 3	<b>9. Inspection Guidance Used:</b> 87130	
<b>10. Licensee Contact Name(s):</b> Joseph Yagelski, M.S., RSO Craig Menninga		<b>11. Licensee E-mail Address:</b> Joseph.Yagelski@franciscanalliance.org Craig.Menninga@franciscanalliance.org		<b>12. Licensee Telephone Number(s):</b> 219-898-0145 219-879-8511	
<b>13. Inspection Type:</b> <input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Announced <input type="checkbox"/> Non-Routine <input type="checkbox"/> Unannounced		<b>14. Locations Inspected:</b> <input checked="" type="checkbox"/> Main Office <input checked="" type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		<b>15. Next Inspection Date (MM/DD/YYYY):</b> 11/22/2025 <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Extended <input type="checkbox"/> Reduced <input type="checkbox"/> No change	
<b>16. Location(s) Inspected List:</b>  3500 Franciscan Way, Michigan City, Indiana 46360 8955 W. 400 North, Michigan City, Indiana 46360					
<b>17. Scope and Observations:</b> <p>The licensee was a medical facility with authorization for diagnostic and therapeutic uses of byproduct material pursuant to 10 CFR 35.100-400. The licensee had not performed any 10 CFR 35.400 administrations since the last inspection. The licensee's radiation safety officer (RSO) was a medical physicist who was onsite daily. The licensee utilized an external consultant to perform program reviews and equipment calibrations. The licensee had four full-time nuclear medicine technologists that rotated between the nuclear medicine department and the PET department. The licensee's nuclear medicine department administered approximately 10 SPECT doses per day and less than 10 doses of unsealed byproduct material requiring a written directive per year. The department received unit doses of primarily technetium-99m from a licensed radiopharmacy. The licensee's PET department administered approximately 4 PET doses on Mondays, Wednesdays, and Fridays. The department received unit doses of primarily fluorine-18 from a licensed radiopharmacy.</p> <p>The inspector observed dose calibrator quality control, dose preparation and administration, package receipt, and package return. The licensee's staff demonstrated ambient radiation level surveys, decay in storage procedures, sealed source inventory, and spill response. Interviews with licensee personnel indicated adequate knowledge of radiation safety and security concepts and procedures. The inspector reviewed the following records: ALARA reports, area surveys, dose calibrator calibrations, dosimetry, package receipt, package return, program reviews, sealed source inventory and leak tests, spill reports, training, waste logs, and written directives.</p> <p>The inspector performed independent and confirmatory radiation measurements using a RadEye G (serial number: 30652, calibration expiration: 07/14/2023). Results were consistent with the licensee's survey records and postings.</p> <p>No violations were identified as a result of this inspection.</p>					

Materials Inspection Record (Continued)

Signature and Date - Branch Chief

A handwritten signature in black ink, consisting of a stylized 'R' followed by a horizontal line.

Digitally signed by Rhex A. Edwards  
Date: 2022.12.12 14:49:46 -06'00'