



### Materials Inspection Record


<b>1. Licensee Name:</b> North Kansas City Hospital		<b>2. Docket Number(s):</b> 030-13966		<b>3. License Number(s)</b> 24-18628-01	
<b>4. Report Number(s):</b> 2023001			<b>5. Date(s) of Inspection:</b> 01/19/2023 - 07/05/2023		
<b>6. Inspector(s):</b> Jonathan Pfingsten		<b>7. Program Code(s):</b> 02120	<b>8. Priority:</b> 3	<b>9. Inspection Guidance Used:</b> IP 87130	
<b>10. Licensee Contact Name(s):</b> Karen Hopping, Radiology Operations Supervisor Ashlyn Hull, Dir. of Radiology		<b>11. Licensee E-mail Address:</b> Karen.Hopping@nkch.org Ashlyn.Hull@nkch.org		<b>12. Licensee Telephone Number(s):</b> 816-691-5201	
<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 type="checkbox"/> Field Office <input type="checkbox"/> Temporary Job Site <input type="checkbox"/> Remote		<b>15. Next Inspection Date (MM/DD/YYYY):</b> 01/19/2026 <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> 2800 Clay Edwards Dr., North Kansas City, MO 64116 2790 Clay Edwards Dr., North Kansas City, MO 64116					
<b>17. Scope and Observations:</b> <p>This was a routine, announced inspection of a large medical facility authorized to possess and utilize materials under 10 CFR 35.100, 35.200, 35.300, and 31.11 prepackaged kits for in-vitro studies. Since the last inspection, the licensee officially removed two locations of use, as well as removed the authorization to use Ir-192 under 10 CFR 35.600. The licensee operates 0630-1630 each day, with on-call services for nuclear medicine in the evenings and weekends.</p> <p>At the time of the inspection, the licensee employed 8 full-time nuclear medicine technologists (NMTs), 1 part-time NMT, and 1 per-diem NMT at their 2790 and 2800 Clay Edwards locations. The licensee performs approximately 40 general nuclear medicine studies and approximately 55 PET studies in total per week, including traditional F-18 and cardiac PET utilizing their Sr-82/Rb-82 generator. The licensee utilized unit doses from Cardinal Health; the licensee did not receive bulk doses.</p> <p>The inspector interviewed the radiation safety staff and numerous NMTs across the various departments authorized to use licensed materials. The inspector observed the proper use of personal protective equipment and dosimetry when handling licensed materials. The NMTs demonstrated proper ALARA practices while utilizing licensed materials. The inspector observed dosage administrations, daily QC, package receipt surveys and wipes, and demonstrations of daily surveys and weekly wipes in areas where unsealed byproduct material was utilized. Independent measurements were taken and were consistent with the licensee's surveys. The inspector reviewed samples of the following: dosimetry records, annual audits and quarterly consultant reports, historical patient dosage records, written directives (I-131 and Ra-223), patient release calculations and instructions, sealed source inventories and leak tests, waste disposal records, and dose calibrator QC.</p> <p>The licensee upgraded their Sr-82/Rb-82 generator to a newer model. The inspector identified that, following the upgrade, the authorized users using Rb-82 chloride had not successfully completed training specific to the manufacturer and model of generator and infusion cart being used due to differing guidance from the manufacturer.</p>					

**Materials Inspection Record (Continued)**

This is a requirement of Enforcement Guidance Memorandum (EGM) 13-003. As a result, violations of 10 CFR 35.60 and 35.63 were identified. As corrective action, between January 21, 2023, and January 24, 2023, the licensee ensured that each AU who used Rb-82 received the training from the manufacturer. No other violations were cited.

Signature and Date - Branch Chief

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

 Digitally signed by Rhex A. Edwards  
Date: 2023.07.27 13:55:56 -05'00'