

**From:** [Gryglak, Magdalena](#)  
**To:** [Georgiades, Alexander](#); [Parrott, Michael J.](#)  
**Cc:** "[Heather Sutyak](#)"  
**Subject:** Renewal of NRC license no. 13-01631-05 for Columbus Regional Hospital  
**Date:** Wednesday, September 15, 2021 12:50:00 PM

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Good afternoon Mr. Georgiades,

I have reviewed the information provided in your letter dated 8/23/21 pertaining to renewal of NRC license no. 13-01631-05.

In a signed and dated letter, please provide the following information:

1. Please provide the location where brachytherapy sealed sources are stored and diagram/s, if applicable.
2. Please provide a commitment: "you will not possess aggregated Category 1 or Category 2 quantities of radioactive material as specified in 10 CFR Part 37".
3. Please describe the licensee's access/storage controls to ensure that radioactive material authorized on your license does not exceed the aggregated Category 1 or Category 2 quantities of radioactive material. Specifically, please describe controls to ensure that you will not exceed the limits in 10 CFR Part 37 in possessing 10 CFR 35.400 brachytherapy sources and 10 CFR 35.600 material.
4. Please provide the shielding evaluation for room E154B (hot lab for PET material) or describe additional measures or administrative controls to ensure dose limits in 10 CFR Part 20 are not exceeded when using material in room E154B.
5. Describe measures/controls to limit access to the corridor above the PET suite.
6. Please provide a shielding evaluation for HDR room A117A and the following information:
  - a. Indicate whether the HDR room and each adjacent room/area including above is restricted or unrestricted area in accordance with the 10 CFR 20.1003 definition.
  - b. Resubmit the shielding evaluation for the Iridium-192 source with an activity of **12 curies**.
  - c. For each barrier in each direction of the HDR room, including the ceiling, clarify the **existing** shielding material/s:
    - Provide the type of the existing shielding material (ordinary concrete, lead, etc.).
    - Provide the thicknesses of the existing material/s.
    - Provide the distances from the patient/exposed source to the adjacent rooms in all directions.
    - Illustrate the calculated dose rates/points on the diagram (please note that your letters dated October 2, 2017 contained the necessary information).
7. Please provide procedures to perform the spot checks in accordance with 10 CFR 35.643 (not just a list of the spot checks to be performed). Specifically, the procedures should provide step-by-step instructions to verify equipment such as radiation monitor/s inside the room is operational.

Please provide step-by-step instructions for conducting the daily spot-checks

(please see Appendix H of NUREG 1556, Volume 9, Rev. 3) .

Please provide your response by October 10, 2021.

Thank you

**Magdalena R. Gryglak**  
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