



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE RD. SUITE 210
LISLE, IL 60532-4352

April 10, 2026

Mark A. Tucker, M.S.
Radiation Safety Officer
Missouri Cancer Associates
1705 E. Broadway
Columbia, MO 65201

SUBJECT: REQUEST FOT ADDITIONAL INFORMATION

Dear Mark A. Tucker:

We have reviewed your request dated December 10, 2025, to renew your U.S. Nuclear Regulatory Commission (NRC) Material License No. 24- 32604-01 for Missouri Cancer Associates.

Based on our review of the information, we have identified that additional information is needed to proceed with the renewal process. Please refer to NUREG 1556, Volume 9, Revision 3, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Medical Use Licenses," which is accessible at <https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v9/index.html>, for guidance when preparing your response.

In a signed by management and dated letter, please provide the following information by May 10, 2026:

1. Please describe the qualifications of instructors who will be providing training to individuals working in or frequenting restricted areas; the method of training; and the method of assessing the success of the training.
2. For Title 10 of the *Code of Federal Regulations* (CFR) 35.300 material, please confirm that patients will be released in accordance with 10 CFR 35.75 requirements.

If you have in-patient rooms (patients will be hospitalized after administration of 10 CFR 35.300 material), please provide the following:

- submit a diagram of the in-patient rooms and adjacent rooms;
- indicate restricted and unrestricted areas;
- indicate occupancy factors for all adjacent rooms including above and below;
- indicate distances between the source/patient and the adjacent rooms;
- indicate the type and thickness of the shielding material;
- provide an evaluation demonstrating that the dose rates in all directions from the patient in the adjacent rooms will not exceed 10 CFR Part 20 dose limits.

3. Please confirm that Authorized User, S. Westgate, M.D., and Authorized Medical Physicists, A. Jabir, M.S., and R. Middleton, Ph.D., are to be removed from the license.
4. Please confirm that all Authorized Users on the license have an active medical license to practice medicine.
5. Please explain measures to secure material in storage in the hot lab (e.g. locked doors, locked cabinets, etc.)
6. Please clarify why the assumption of 11 curies for treatment was assumed in the HDR shielding evaluation vs. 12 curies allowed in the license (i.e. procedural controls to maintain the maximum activity at 11 Ci).

7. Please provide the commitment:

"Radiation monitoring instruments will be calibrated by a vendor who is licensed by the NRC or an Agreement State to perform instrument calibrations."

AND/OR

"We have developed and will implement and maintain written radiation survey meter calibration procedures in accordance with the requirements in 10 CFR 20.1501 and that meet the requirements of 10 CFR 35.61."

8. Please provide the commitment: "We will develop, implement, and maintain written procedures for licensed material accountability and control to ensure that:
 - license possession limits are not exceeded
 - licensed material in storage is secured from unauthorized access or removal
 - licensed material not in storage is maintained under constant surveillance and control
 - records of receipt (either from the licensee's own production operations or from another licensee), transfer, and disposal of licensed material, are maintained."
9. Please provide the commitment: "We have developed and will implement and maintain written procedures for safe use of unsealed byproduct material that meet the requirements of 10 CFR 20.1101 and 10 CFR 20.1201."
10. Please provide the applicable commitments for leak testing as outlined in NUREG 1556, Volume 9, Revision 3, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Medical Use Licenses", Section 8.10.11.

M. Tucker

-3-

In accordance with 10 CFR 2.390, a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from ADAMS, accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,

Magdalena R. Grylak
Health Physicist
Materials Licensing Branch

License No. 24-32604-01
Docket No. 030-37082