

June 4, 2018

Bryan Parker  
Materials Licensing Branch  
U.S. Nuclear Regulatory Commission, Region III  
2443 Warrenville Road, Suite 210  
Leslie, IL 60532-4352

SUBJECT: LICENSE AMMENDMENT REQUEST FOR LICENSE NUMBER 24-04206-01  
(DOCKET NUMBER 030-00001); 24-04206-02 (DOCKET NUMBER 030-38173);  
and 24-04206-05MD (DOCKET NUMBER 030-10801)

Dear Mr. Parker:

Mallinckrodt Nuclear Medicine LLC respectfully requests the amendment of Materials Licenses No. 24-04206-01, 24-04206-02 and 24-04206-05MD. The licenses were issued by the U.S. Nuclear Regulatory Commission (NRC) to Mallinckrodt Nuclear Medicine LLC authorizing the possession and medical distribution of radioactive materials. A summary of the requested amendments is included below.

Business Information Addition to Legal Entity Name

Mallinckrodt Nuclear Medicine LLC requests that its legal entity name, specified in item 1 of the aforementioned license numbers, be replaced with the following: "Mallinckrodt Nuclear Medicine LLC, doing business as Curium".

On January 27, 2017, the nuclear medicine business conducted by Mallinckrodt companies (including all equity interest in Mallinckrodt Nuclear Medicine LLC) was transferred to a new owner, CapVest private equity funds, which already owned other companies involved in the nuclear medicine business. The resulting full group of companies owned by CapVest and conducting its nuclear medicine business is now known as "Curium", which is currently not a legal entity, but a "doing business as" (DBA) name. Due to legal restrictions, the licensee name of the radioactive material licenses no. 24-04206-01, 24-04206-02 and 24-04206-05MD was maintained as Mallinckrodt Nuclear Medicine LLC, its current legal entity name.

At the request of NRC personnel, Mallinckrodt Nuclear Medicine LLC proposes to amend the name identified in item 1 on each of its licenses to improve communication with the NRC and ensure that correspondence referring to "Curium" will be clearly understood by the NRC to relate to the legal entity and licensee, Mallinckrodt Nuclear Medicine LLC.

Radioactive Material License No. 24-04206-01

Mallinckrodt Nuclear Medicine LLC respectfully requests the addition of alpha-emitting radionuclides in sealed sources configuration to Radioactive Material License No. 24-04206-01 for instrument calibrations and performance verifications as listed in the table below.

Alpha-emitting nuclides were first added to the license under license amendment request dated October 4, 2017. With the addition of alpha-emitting nuclides, instrument calibrations and operational verification with nuclides of similar type of emissions and energies are necessary to meet the criteria established in the American National Standards Institute (ANSI) – American National Standard No. N323A. The current license is limited to specific alpha-emitting nuclides that do not meet the requirements of ANSI N323A for instrument calibrations.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that the licensee may possess at any one time under this license	9. Authorized use
Any with atomic numbers 83 through 103	Sealed sources	1 millicurie	For use in calibration and checking of instruments

Please feel free to contact Manuel Díaz at 314.595.3732 or [manuel.diaz@curiumpharma.com](mailto:manuel.diaz@curiumpharma.com), if you have questions or need additional information.

Sincerely,



Richard Proehl  
Site Director

RP:mdl

Enclosure

cc: File  
electronic distribution: Tony Kinney, Curium      Manuel Díaz, Curium  
Debbie Piskura, NRC/Region III      Bryan Parker, NRC/Region III

ORIGIN ID: ZSVA (800) 525-3689  
SHIPPING DEPT  
MALLINCKRODT NUCLEAR MEDICINE LLC.  
2703 WAGNER PLACE

SHIP DATE: 04JUN18  
ACTWGT: 0.15 LB  
CRD: 0052000/CAFE3111

MARYLAND HEIGHTS, MO 63043  
UNITED STATES US

BILL SENDER

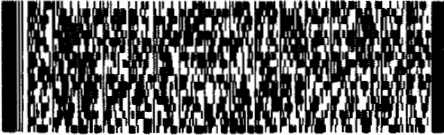
TO MATERIAL LICENSING BRANCH  
NRC REGION III  
2443 WARRENVILLE RD. STE 210

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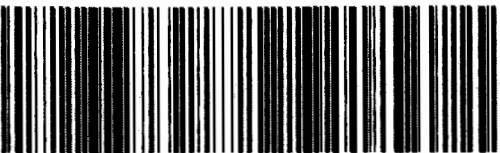
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