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May 26, 2016

Michael LaFranzo
Decommissioning Branch
Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532

Re: Proposed Transport and Decommissioning Activities and Timeline for Radioactive
Materials License 34-32780-01, Cardinal Health PET Manufacturing Services, St. Louis,
MO

Mr. LaFranzo:

As per the telephone conversation on Wednesday, May 18, 2016, Cardinal Health has compiled the description of the critical activities relating to the transport of the medical production cyclotron from the St. Louis, MO PET Manufacturing facility under the Radioactive Materials License noted above to the facility located in East Lansing, MI on Radioactive Materials License number 34-32840-01, and relating to the decommissioning of the St. Louis facility.

Cyclotron Removal and Transport

The removal of the cyclotron from the St. Louis facility is the first step in this process. This cyclotron is currently contained inside a concrete vault which shields the surrounding areas from radiation produced in the machine as well as from the possibility of neutron activation. Cardinal Health has contracted with Ameriphsysics, LLC (hereafter Ameriphsysics) to perform this work, which will be carried out under Ameriphsysics' NRC radioactive materials license. The removal process will involve the removal of the vault's roof plug by crane. The cyclotron will be packaged and then removed by crane and placed on a truck for transport. The plug will then be placed back in the vault intact. Throughout this process, no cutting of the concrete will be required.

The cyclotron will be surveyed and is expected to be transported to the East Lansing, MI facility as a Radioactive-LSA shipment. Ameriphsysics will perform the DOT surveys, manifests, and documentation under their license. The cyclotron will be placed in an existing cyclotron vault at that facility and will be put into operation to produce radiopharmaceuticals in accordance with that facility's license.

Currently, this phase of the project is tentatively scheduled to take place in late July 2016. As discussed on the call, Cardinal Health believes that these activities fall under the scope of the existing St. Louis RAM license and therefore no Decommissioning Plan is required prior to the execution of this phase of the project.

St. Louis Decommissioning

Separately from the transport activities, Cardinal Health and Ameriphysics will create a Decommissioning Plan for the St. Louis facility which will detail the specifics of that phase of the project. This Plan will satisfy the requirements of 10 CFR 30.36 and will describe the activities required to demonstrate that the facility is suitable for unrestricted release under 10 CFR 20.1402. Some examples of these activities may include, but are not necessarily limited to, core sampling, surveys, disposal of low-level radioactive waste, and/or remediation of activated concrete from the cyclotron vault. Cardinal Health as the licensee will submit the Plan to the NRC for review.

This Plan is currently in its initial stages and may be submitted to the NRC prior to the removal and transport of the cyclotron. Activities described in the plan will not commence until approval of the plan by the NRC. In accordance with 10 CFR 30.36(d), the Plan is expected to be submitted no later than October 13, 2016, which is 12 months after the date of notification of cease of activities at the site.

All decommissioning activities are expected to be complete and the request for final license termination is expected to be submitted to the NRC no more than 24 months following the initiation of decommissioning, in accordance with 10 CFR 30.36(h)(1) and (2).

If you have any questions regarding this notice, please contact Evan Western at 614.553.4555.

Sincerely,



Glenn Sullivan
Director, Health Physics
Quality and Regulatory
Nuclear Pharmacy Services

/ew

cc: Kevin Null, US NRC, Region III
Evan T. Western, Cardinal Health Quality & Regulatory
Paul Jones, Ameriphysics
Tim Pratt, Ameriphysics
License File 5809 (3)