


**Children's Hospital
of Michigan**

November 11, 2014

PET CENTER

3901 Beaubien Blvd.
Detroit, MI 48201-2119
313-993-0000 Phone
313-993-3845 Fax

United States Nuclear Regulatory Commission
Region III, Materials Licensing
2443 Warrenville Road
Lisle, IL 60532-4352

RE: Amendment to NRC License No. 21-03298-06
VHS Children's Hospital of Michigan, Inc.

Dear Sir/Madam:

We would like to amend our current NRC license to reflect the following changes.

Item #1: Please note the following name change to our license.

- VHS Children's Hospital of Michigan, Inc.

Item #2: Please note we wish to amend our license condition for the following procedures

As noted on the GE PETTrace Cyclotron ventilation diagram in the License (Attachment O), each Hot Cell and Mini Hot Cell has a charcoal filter to trap effluent. In addition to these filters, the main exhaust lines have charcoal filters are in place to capture any effluents prior to the environment. Our current license conditions states that the filters will be monitored for saturation bi-annually and replaced when deemed saturated.

Recent results from effluent data collected from the total exhaust charcoal filter traps confirm that bi-annual testing is not necessary. With annual replacement of the charcoal filters within the Hot Cells and mini Hot cells, the total exhaust were 60% saturated after nearly two years of production.

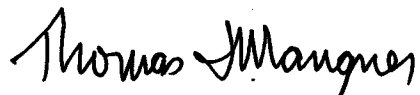
Since production from the GE PETTrace Cyclotron is not anticipated to significantly increase propose the following:

Based on historical data, the charcoal filters in the Hot Cells and mini Hot Cells will be replaced annually. and the exhaust filters replaced every two years, to prevent saturation of the filters.

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We appreciate your assistance with this amendment. If you have any questions or require additional information, please contact me at 313-993-2618 or by email at tmangner@dmc.org

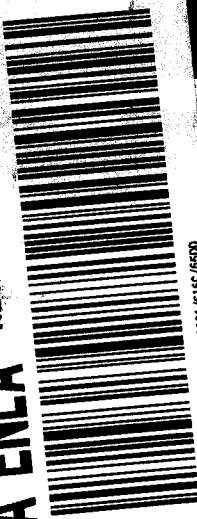
Sincerely,

A handwritten signature in black ink that reads "Thomas Mangner". The signature is written in a cursive style with a large, prominent initial "T".

Thomas Mangner, PhD
Radiation Safety Officer

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City DETROIT State MI ZIP 48201

2 Your Internal Billing Reference

3 To Recipient's Name Phone 630 829-9500
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