



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

June 28, 2012

Alton Garfield Smith, M.D.
Radiation Safety Officer
Sentinel Imaging, LLC
36745 Dequindre Road
Troy, MI 48083

Dear Dr. Smith:

We have reviewed your license amendment request dated May 11, 2012. Before we can take further action, we will need additional information. As discussed with Ray A. Carlson by telephone on June 14, 2012, please provide the following.

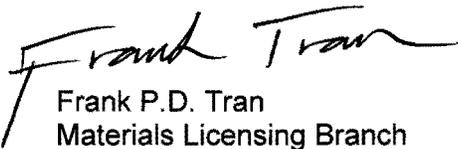
- 1) Please specify the type of your mobile medical service ("in-van use" or "transport and use") you intend to use.
- 2) Please specify the location of the van when not in use. Please note that public rights-of-way are not considered part of the address.
- 3) If you plan to use PET isotopes with the mobile medical service, please provide the shielding calculation to show that the dose to members of public is in compliance with 10 CFR Part 20. Also, please specify the location of a "quiet room" if patients cannot be released under the requirements of 10 CFR 35.75.
- 4) Please confirm that byproduct material will only be delivered to the van when it is occupied by the mobile medical service personnel.
- 5) Please confirm that you will develop, implement and maintain emergency, transportation and waste management procedures that associated with the use of the mobile medical service as recommended in NUREG-1556, Vol. 9, Rev. 2, Appendix V.
- 6) Please confirm that a calibrated radiation survey equipment is available in the van when the van is in use.
- 7) Please describe areas adjacent to the Dequindre Road building.
- 8) If you plan to perform any imaging procedures at 36745 Dequindre Road, please provide a diagram showing the location of the imaging rooms.

NUREG-1556, Volume 9, Rev. 2 dated January 2008 provides the program specific guidance about medical use licenses. NUREG-1556, Volume 9 is available on the NRC website at <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v9/r2/>.

To continue review of your request, we request that you submit your response to this letter by July 12, 2012. Your response must be **dated** and **signed** by authorized personnel and referred to Control Number 577595. If you have any questions or require clarification on any of the information stated above, please do not hesitate to contact me at 630-829-9623 or frank.tran@nrc.gov.

In accordance with Title 10 Code of Federal Regulations 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's Agencywide Documents Access and Management System (ADAMS), accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Sincerely,


Frank P.D. Tran
Materials Licensing Branch

License No. 21-32756-01
Docket No. 030-38088