



Penny Lanzisera
Medical and Licensing Assistance Branch
Division of Nuclear Materials Safety
Region I
2100 Renaissance Blvd., Suite 100
King of Prussia, PA 19406-2713

RE: NRC Permit 47-25570-01

Dear Ms. Lanzisera,

Thank you for taking the time to review my request to add authorization to hold additional sealed sources at the Owosso location.

In response to your request for further information, I would like to respond with the following:

1. We request a total possession limit of 5mCi per source.
2. The Germanium-68 sealed sources will be possessed incident to temporary storage not exceeding 1-year incident to transfer to an Alliance HealthCare Services, Inc. mobile van for use in accordance with 10 CFR Part 35 or transfer back to the manufacturer for disposal.
3. Germanium-68 sealed sources will be inventoried and leak tested in accordance with the requirements described in 10 CFR 35.67.
4. The Germanium-68 sealed sources returned from the mobile vans will be returned within 1 year to the respective manufacturer or disposed of as radioactive waste to a licensed radioactive waste broker.
5. We request total possession limits of:
 Strontium-82 200 mCi
 Strontium-85 1 Ci
6. Radiation Detection Instruments are the same instruments used on mobile Pet CT units:
 Ludlum 14C GM with pancake probe model 44-9
 Wipe counter Capintec CRC 55t R (or equivalent)
7. Before working in the vicinity of licensed materials, personnel will have successfully completed training commensurate with assigned duties in the topics described in NUREG-1556, Volume 9, Appendix J.
8. The storage area will be surveyed for radiation level and removable contamination on a monthly basis to apply when germanium sealed sources are stored in addition to Sr/Rb waste. Shielding is available in this area to reduce exposure rates in surrounding areas. Sealed sources will be held in shielded containers while in temporary storage. Rb/Sr waste will also be held in shielded containers while in decay-in-storage in the waste room.

If you require any further information or assistance, please do not hesitate to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kay Kassel'.

Kay Kassel MS CNMT NMTCB(RS)
Corporate Radiation Safety Officer