



June 4, 1986

Richard A. Moore, Vice President
900 Atlantic Drive, N.W.
Atlanta, Georgia 30332

Dear Mr. Moore:

This is in reference to your application for registration of sealed brachytherapy sources dated March 3, 1986. Additional information is needed before we can continue the review of your application. Please respond as appropriate to the following:

1. Give a brief description of your procedures for irradiating the seeds. Clarify if Laser Industries, Inc. will laser-weld end cups before or after Palladium 103/Aluminum cylinders have been irradiated. If after, submit their N.R.C. or Agreement State Radioactive Material license number.
2. On page 3, you indicated a maximum activity of 7 millicuries (5 millicuries compensated for self-absorption in the material of construction. On page 19, seed activity ranged from 0.5mCi to 5mCi. State specifically the maximum amount of activity you want on the sealed source registration form.
3. Page 3, for principle use you referenced Exhibit 1, Type V. Please confirm that this should be Exhibit 3, Code V, General Medical Use.
4. Submit the manufacturer, model number, and activity of Cadmium 109 source used to calibrate the source-detector system.
5. Cobalt 60 has a 5½ year half-life, submit your procedures for linearity test, include assay times and predicted activities.
6. Submit your method of disposal for palladium seeds.
7. If you provide guidelines for necessary radiation safety procedures which the patients, their close associates and medical personnel are required to follow, please submit a copy.

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8. Accountability. You stated if any significant number of seeds cannot be accounted for, appropriate agencies will be contacted. There should be a concern if any seed cannot be accounted for.
9. Explain the difference between total apparent activity and surface activity. (Palladium seed draft label).
10. Describe disposal method for contaminated soak wash solutions.

If you have any questions, please feel free to contact me. We will continue the review of your application for sealed source registration upon the receipt of this information.

Sincerely,

Cynthia A. Sanders

Cynthia A. Sanders
Senior Radiological Health Specialist
Radioactive Materials Unit
Radiological Health Section

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