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ELEKTA

July 7, 1997

Mr. Thomas E. Hill
Manager
Dept. of Natural Resources
Environmental Protection Division
Radioactive Materials Program
4244 International Parkway, Suite 114
Atlanta, GA 30354

To Mr. Tom Hill:

Elekta Instruments Inc., requests a modification of the Registry of Radioactive Sealed Sources and Devices Safety Evaluation of Device # GA 269-D-102-S to reflect minor manufacturing modifications and version description. The present version B will be changed to B-2. The modifications are as follows:

1. The source ring and central body have been merged into a single unit now called the source body. The design now mirrors the 23016 design. See drawing Fig 13 for the new design and Drawing Fig-2 for the present design.

2. The interior shield pieces have been enlarged in the vertical plane to reduce the scattered radiation emanating from the unit when the unit doors are open and also to reduce the levels of transmission radiation from the unit when closed. See drawing 970612RL for new and Fig. A.2.4 for originals.

3. The radiation door closing mechanism has been changed to accord manual closing of the doors from a less restricted position. It is now done from above the motors on the unit left side rather than from low on the right side. See page E.6 of the new manual and page E.6 of the present manual. A copy of the new revised volume I of the users manual is enclosed.

4. Drawing 960611 RL is submitted to show the thru cut of the unit when open. This drawing replaces Fig. A.2.5 of the original submission.

5. The dimensions of the unit remain the same, however due to the change in the source body design, the rear removable plug, which allows indexing during source loading or exchange, has also been reworked. Radiation levels during the loading or reloading are slightly reduced since the new plug design is thinner and the bearing bores are smaller allowing less scattered radiation. Since the overall size of the shields are the same the effect on the leakage from the closed unit is minimal. See drawing Fig. 3 of the new version and Fig 1-A of the present.

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6. The manufacturing process has begun the switch over with the first of the new version scheduled for delivery in late August 1997. The final unit of the current design will complete the manufacturing process in July of 1997. Unit # 107 would be the final B version and Unit # 108 the first B-2 version.

Our check for $1200.00 has been submitted to Radioactive Materials, P.O. Box 101161, Atlanta, Ga. 30392

Sincerely,

Martin Knotts
Director of Technical Service