



DECATUR MEMORIAL HOSPITAL

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DECATUR, ILLINOIS 62526

June 28, 1985

B. J. Holt
Materials Licensing Section
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Ms. Holt:

In reply to your letter of June 12, 1985, Control No. 78631. I will answer your questions in the same order as presented.

1. a. The wire will be unpacked behind a two inch lead body shield with a lead glass viewing window using procedures of Appendix L Regulatory Guide 10.8, October 1980. The wire will be manufactured by Amersham Corporation and is Model ICW 100 Iridium-192.
- b. The wire and container will be leak tested by wiping with cloth swabs held with forceps. The wire and container will be behind body shield at all times. The swabs will then be counted in a Picker Spectro-scaler 3A well counter capable of detecting less than .005 uCi or similar updated equipment.
- c. Wire will be cut with an Amersham Ir-192 wire loader, Product Code N.4100 behind body shield with a lead view window. Work will be done above rolled paper toweling. The toweling will be surveyed for contamination after cutting and placed in secured holding area if above background. Survey instrument used will be Ludlam Model 3 geiger counter or equivalent equipment.
- d. Wire will be assayed in a Radax Assayer I, Model 225, Serial #AS014-L-DT3, and ion chamber Model 225, Serial ASC-014.
- e. Wire will be transferred from storage to use sites in a cart with 4 cm. of lead shielding.
- f. A log book will be maintained listing length and activity of all incoming wire, length and activity of all wire cut, use and destination of all wire cut, and storage or disposal of all wire cut.

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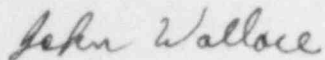
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2. Ring badges will be used to determine dose to extremities of personnel handling Iridium-192 wire.
3. Appendix L to Regulatory Guide 10.8, October 1980 will be used for nursing care with the exception that self reading dosimeters will be used by the nursing personnel instead of film badges.

Please feel free to contact us if you have further questions.

Sincerely,

A handwritten signature in cursive script that reads "John Wallace".

John Wallace, RSO
Decatur Memorial Hospital

JW:nw