

December 31, 1984

614/115

Dr. Francis A. St. Mary
Material Licensing Branch
Division of Fuel Cycle and
Material Safety
Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Dr. St. Mary:

This is in reference to your letter dated December 6, 1984, concerning our letter dated October 1, 1984 to amend By-Product Material License No. 41-00119-08 (Reference Control No. 18330).

According to NRC Regulatory Guide 8.20 (Revision 1, September 1979, copy enclosed), the procedures you described in your letter are required when activities of Iodine-125 or Iodine-131 handled in unsealed form are greater than 10% of the values mentioned in Table 1 of the above mentioned Guide.

According to Table 1, processes with possible escape of iodine carried out within a fume hood of adequate design, face velocity, and performance reliability for bound to non-volatile agent are allowable up to 100 mCi.

All our Research groups and Nuclear Medicine Service are using activities of 10 mCi which is far below the values of Table 1.

We will be looking forward to your response to the Amendment proposed in our letter dated October 1, 1984. Please do not hesitate to contact me at any time should you desire any additional information.

Sincerely,

HASSAN M. OMAR, Ph.D.
Radiation Safety Officer

Enclosures 2

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Medical Center

1030 Jefferson Avenue
Memphis TN 38104

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**Veterans
Administration**

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