

# MOLECULON

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TEL. 547-2353 (AREA CODE 617)

RESEARCH CORP.

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November 30, 1983

John D. Kinneman, Chief  
Nuclear Materials Section A  
Division of Engineering & Technical Programs  
Nuclear Regulatory Commission  
Region I  
631 Park Avenue  
King of Prussia, PA 19406

Re: Mail Control #14779

Dear Mr. Kinneman:

I hope that the enclosed material will allow your office to complete the review of our application for renewal of our Nuclear Regulatory License No. 20-07896-01. As per our discussions with Jack Davis of your office, we are seeking a "Broad Scope Type C License."

In your letter of August 18, you requested an explicit statement concerning bioassay. It is my understanding that the levels of radioiodine and tritium that we would use are so low that bioassay is not required. The maximum activities that we might possess, as stated in our application, are 100 microcuries each of I-125 and of tritium. According to the Draft Regulatory Guide concerning bioassay of tritium (June 1983), table 1, page 3, and Regulatory Guide 8.20, on bioassays for radioiodine, table 1, p 8.20-4, these levels are well below those for which bioassay is needed.

We look forward to hearing from you. Please contact me for any further information you may require.

Sincerely,

*S. James Davidson*

S. James Davidson  
Project Manager

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Enclosures

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