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**Mallinckrodt**

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**NUCLEAR**

FORMERLY NUCLEAR CONSULTANTS

**RADIOPHARMACEUTICALS**

October 23, 1967

Mr. Cecil Buchanan  
Isotopes Branch  
Division of Materials Licensing  
United States Atomic Energy Commission  
Washington, D.C. 20545

Dear Mr. Buchanan:

As you may recall, earlier this year, we completed and moved into a new addition to our facilities at 2703 Wagner Place, Maryland Heights, Missouri. This new addition approximately doubled the size of the original facility (9,000 feet to 21,000 sq. feet) and contained among other things, a complete new production facility including eight new hot cells.

We did not request a general increase in our possession limits at the time in spite of the new hot cells, but indicated we would get into them and then at some later date make such a request. We have requested and received increased possession limits on Hg203 from 4 to 8 curies, I131 from 15 to 25 curies on amendments numbers twenty and twenty-one.

We are now starting a program of preparing targets of various materials for irradiation in various reactors and processing these targets for our raw materials rather than purchasing processed isotopes from suppliers.

We are going to this program for several reasons. The most important is that this will give us complete control of all materials which go into our final radiopharmaceutical and make compliance with FDA regulations much simpler and easier. With our expanded utilization, and the availability of our new hot cell facilities, we can expect a substantial financial benefit as well.

In order to make this a practical program, we must make monthly bombardments on some of the longer lived isotopes, which in some cases will put us over our present possession limits.

Mr. Cecil Buchanan

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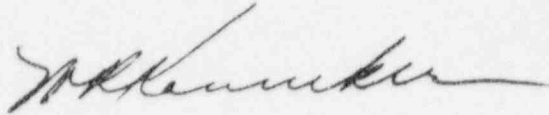
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Hence, I should like to request that our present AEC byproduct licenses #24-4206-1 be amended so that our possession limits are raised to 100 curies of any isotope (3 to 83) with the exception of I131 which would remain at 25 curies for the present, and Mo99 which would be raised to 250 curies.

We do, in time, intend to work out a processing scheme for I131, however for the present we shall continue to purchase process I131.

This project is already under way, hence your early consideration of this request for amendment would be greatly appreciated. Should you require any additional information, please write or call collect at your convenience.

Regards,



W. R. Konneker, Ph.D.  
Vice President  
General Manager

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