

amended 37-2416-2

CURTISS-WRIGHT CORPORATION  
RESEARCH DIVISION  
QUEHANNA, PENNSYLVANIA  
AMHERST 3-4711

3016

April 3, 1959

DUPLICATED  
FOR DIV. OF INSP.

Mr. W. O. Miller  
U. S. Atomic Energy Commission  
Isotopes Branch  
Division of Licensing and Regulation  
Washington 25, D. C.

Dear Mr. Miller:

By-product Material License 37-2416-2 (G 59), amendment #7, authorizes us to possess and use 100,000 curies of zirconium, niobium-95 in accordance with statements made in our application for this license dated January 16, 1959. Since this time, further information has been obtained from the Hanford Operations Office which makes it necessary for us to request amendment to the above quoted license as follows:

To change item 6(b) of our application to read - "Suspension of Zr Nb-95 in water and containing plutonium, uranium and fission products as follows -

Plutonium	5 grams/liter
Uranium	5 milligrams/liter
Zr-Nb	1300 gamma curies/liter
Other Fission Products	300 gamma curies/liter

Total activity 100,000 curies. This will be received in maximum amounts of 10,000 curies as a dilute slurry or centrifuged precipitate. To be received from HAPO."

It is anticipated that the requested activities will be adequate for some time to come. However, it may be necessary at some future date to request an increase in these amounts. I hesitate to do so at the present time since, as indicated in our last telephone conversation, you would probably require specific information on our radiation protection procedures and we both feel that our present Health Physics Manual is inadequate. I am in the process of rewriting this manual and expect to have it completed by the end of this month. When this is printed I shall forward two copies to the Division of Licensing and Regulation.

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We regret the inconvenience caused by this presently requested amendment, but at the time of application we were informed that we were in possession of all the details and it was on them that our application of January 16, was based.

I am attaching a copy of a letter from Mr. J. T. Christy, of the Hanford Operations Office to our Mr. C. T. Clayton, for your information.

Very truly yours,

CURTISS-WRIGHT CORPORATION  
RESEARCH DIVISION

*M. T. Beam.*

M. T. Beam  
Source Custodian

MTB:rd  
Enclosure