



UNITED STATES  
ATOMIC ENERGY COMMISSION  
WASHINGTON 25, D.C.

*Handwritten notes:*  
W. J. ...  
RW  
W. J. ...

IN REPLY REFER TO:

LA:JNL  
70-115 and 70-150

*we*

*de a ...*  
*from to ...*  
*known by*  
DEC 18 1962

Spencer Chemical Company  
Research Center  
9009 West 67th Street  
Merriam, Kansas

Attention: Mr. E. A. Greenlee

Sir:

This refers to your letter of November 20, 1962, informing us of your action to terminate License SM-154.

At least fifteen days prior to vacating this facility, or using it for any purpose other than authorized under your license you are requested to submit to us a report indicating the levels of fixed and removable uranium contamination existing in the facilities. We believe the following levels should not be exceeded:

1. For alpha radioactivity
  - a. 25,000 d/p/100cm<sup>2</sup> peak
  - b. 5,000 d/p/100cm<sup>2</sup> average
  - c. 1,000 d/p/100cm<sup>2</sup> maximum removal by wiping the area with a dry filter or soft absorbent paper.
2. Beta and Gamma
  - a. 1.0 millirad per hour maximum at one centimeter from any contaminated surface measured with a beta-gamma survey meter through a tissue equivalent absorber of not more than 7 mg/cm<sup>2</sup>.
  - b. 0.2 millirad per hour average, measured as above.
  - c. 1,000 d/p/100cm<sup>2</sup> maximum removable by wiping the area with a dry filter paper or soft-absorbent paper.

Consideration will be given to cancellation of License SM-154 on receipt of your report of contamination levels. Please note that pipes, columns, ducts or other areas difficult to survey for built-up contamination must be treated as containing special nuclear material and should be disposed of prior to termination of the special nuclear material license.

J. Hdqrs.

DEC 18 1962

In connection with the expiration of License SM-329 you are requested to submit at least fifteen days prior to vacating the facility under License SM-329 or using it for any purpose other than previously authorized under your license a report indicating the levels of fixed and removable uranium contamination existing in the facility. We believe that the levels outlined in items 1 and 2 above should not be exceeded and similar consideration, as previously mentioned, should be given to those areas of equipment which are difficult to survey for built-up contamination.

FOR THE ATOMIC ENERGY COMMISSION

Donald A. Kuehner, Chief  
Source and Special Nuclear Materials Branch  
Division of Licensing and Regulation

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Compliance Hdqrs (2) w/2c ltr dtd 11/20/62