

LB:RH

FEB 9 1962

Aluminum Company of America
Alcoa Research Laboratories
Prospect Road
New Kensington, Pennsylvania

Attention: Mr. John E. Lewis
Research Engineer

Gentlemen:

This refers to the inspection conducted on September 28, 1961, of your activities authorized under AEC Byproduct Material License No. 37-7653-2.

It appears that certain of your activities were not conducted in full compliance with the requirements of the AEC's "Standards for Protection Against Radiation," Part 20, Title 10, Code of Federal Regulations, in that:

1. The quantities of radiation existing in the unrestricted area in a corridor outside the room where byproduct materials were stored were such that an individual could have received a radiation dose in excess of 2 millirem in any one hour or 100 millirem in any seven consecutive days, in violation of Section 20.105(b), "Permissible levels of radiation in unrestricted areas."
2. No surveys were conducted of the office located below the bin where byproduct materials were stored to determine compliance with Section 20.202, in violation of Section 20.201(b), "Surveys." Also, surveys conducted near the 13.5 millicurie Strontium 90 beta gauge were not adequate to determine compliance with Section 20.101, in violation of Section 20.201(b).

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2. continued

No determination was made as to the total radiation dose an individual may receive while working in the vicinity of the gauge.

3. The high radiation area existing above the permanent storage facility where millicuries and curie quantities of byproduct material were stored was not equipped with an interlock or warning system meeting the requirements of Section 20.203(a)(2), "Caution signs, labels and signals."
4. Records of surveys conducted during the use of byproduct materials in the laboratory were not maintained as required by Section 20.401(b), "Records of surveys, radiation monitoring and disposal."

Pursuant to the provisions of Section 2.201(a), "Notice of violation," of the AEC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, you are requested to notify this office, within thirty days of your receipt of this notice, of the steps taken or to be instituted to achieve correction of the alleged violations, and the date when such correction has been or will be achieved.

Very truly yours,

Eber R. Price
Assistant Director
Division of Licensing
and Regulation

Enclosures:

1. 10 CFR 20
2. 10 CFR 2

bcc: Compliance Division, HQ
Compliance Division, I
Public Document Room

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