

JUL 26 1961

LR:CGW
40-1947

Maywood Chemical Works
100 West Hunter Avenue
Maywood, New Jersey

Attention: Mr. Harold E. Spiess
Control and Services Supervisor

Gentlemen:

This refers to the inspection conducted May 15, 1961, of your activities authorized under AEC Source Material License No. STC-130.

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. Surveys conducted pursuant to Section 20.201(b), "Surveys," were not adequate, in that:
 - a. The lunchroom, an unrestricted area, in which employees eat, had not been surveyed for external radiation and airborne radioactivity to determine compliance with Section 20.105(b), and Section 20.106(b) with respect to airborne radioactivity.
 - b. Surveys were not conducted to determine the spread by wind, rain and seepage of thorium from the slurry pile to unrestricted areas adjacent to the pile and to the Saddle River.
2. The quantities of radiation in the unrestricted areas described below were such that an individual could have received a radiation dose in excess of two millirems in any one hour or 100 millirems in any seven consecutive days.

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2. continued

- a. The roadway and areas adjacent to the open stock-pile which contain 17,660 pounds of thorium phosphate.
- b. The roadway in front of and areas within the monazite building in which 2804 pounds of thorium process material and 2000 pounds of monazite sand are stored.
- c. Areas adjacent to and in the vicinity of the slurry pile.

These constitute violations of section 20.105(b), "Permissible levels of radiation in unrestricted areas."

- 3. The "radiation areas" described in Item 2 above were not posted as required by Section 20.203(b), "Caution signs, labels and signals."
- 4. Cardboard cartons, in a room on the second floor of the process building, each of which contained 50 pounds of thorium chloride, were not labeled as required by Section 20.203(f)(2) and (f)(4), "Caution signs, labels and signals."
- 5. Cardboard drums, in the monazite building, each of which contained 467 pounds of 24% thorium process material, were not labeled as required by Section 20.203(f)(4), "Caution signs, labels and signals."
- 6. The 170,660 pound quantity of thorium phosphate stored in an open stock-pile in an unrestricted area was not secured against unauthorized removal, in violation of Section 20.207, "Storage of licensed materials."

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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, NYOO
Public Document Room

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