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EXECUTIVE OFFICES

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April 4, 1980

Mr. Robert O. McClintock, Chief Materials Radiological Protection Section U.S. Nuclear Regulatory Commission 631 Park Avenue King of Prussia, PA 19406

Ref: Inspection 040-01386/79-01

Dear Mr. McClintock:

Following my report to you dated October 22, 1979 on the referenced inspection, we have continued to monitor regularly for workplace thoria contamination. This has been done with both a gas proportional alpha counter and wipes for surface contamination during the intermittent operating periods.

Surface contamination has remained within acceptable limits after the replacement and/or decontamination of bench tops, floors and equipment. This I have twice verified personally with wipes, which were satisfactory with the exception of one piece of equipment. This was an electric turntable which defied successful cleaning and disposal has been completed.

Initial personal breathing zone samples were delayed because of scheduling difficulties caused by the intermittent nature of the thoria operations. For instance, the mixing room was used only four days during the period December 1979 - February 1980.

The December monitoring in the press and lathe area was disappointing. Sampling was conducted for airborne thoria on one of the nine operating days and showed contamination class to the maximum permissible level. However, this was for a staged coration, preplanned to extend over a full shift which is not normal.

Subsequent monitoring in January and February showed one sample in five slightly above the permissible airborne limits. Corrective engineering actions on the press room exhaust system have been made. Thoria is now stored in a new lead-line cabinet with a lock and vent.

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Mr. R. McClintock

I trust that this report will assure you that operating management and radiation protection personnel of our Microwave and Power Tube Operation are continuing to maintain the radiation protection program as previously outlined to you.

Very truly yours,

Richard Menow

Richard J. Merrow Occupational Safety and Health Director

RJM:ncm