

10-6-60

UNITED STATES GOVERNMENT

Memorandum

TO : Joseph Delaney, Chief
Nuclear Materials Branch
Division of Licensing and Regulation

FROM : Lester R. Rogers, Assistant Director *for*
Nuclear Materials Safety
Division of Licensing and Regulation

SUBJECT: MALLINCKRODT CHEMICAL WORKS APPLICATION DATED OCTOBER 6, 1960,
DOCKET NO. 70-36

DATE:

The following information is needed before a complete hazards evaluation can be made:

1. Description of location of incinerator in relation to occupied areas.
2. Height of flue. ✓
3. A description of the types of surveys that will be made in connection with the operation of the incinerator including the monitoring of the off-gases.
4. Methods of control to insure that particulates and concentrations of radioactivity released do not exceed limits in Title 10, CFR, Part 20.
5. Radiation safety procedures to be followed in handling the ash. ✓
6. Radiation safety procedures used in compressing low enriched filters. ✓

*Telecon: 10/31/60 to L. Swallow
giving Q. # 1, 2, 3 & 5
Mr. Lang*

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INFORMATION REQUIRED FOR COMMISSION APPROVAL OF
TREATMENT OR DISPOSAL BY INCINERATION

- A. The type, quantity and chemical form of byproduct material to be incinerated.
- B. The method of measurement of, or estimation of, the concentration of radioactive material in the effluent at the point it leaves the stack.
- C. Methods of control to insure that particulates and concentrations of radioactive materials are not released which could result in exposures of individuals in excess of the levels set forth in the AEC's "Standards for Protection Against Radiation," Part 20.
- D. The height of the incinerator stack, expected dilution factors (if necessary), and the height of and distance to buildings in the surrounding area.
- E. The procedures which will be followed to prevent overexposure of personnel during all phases of the operation - particularly the instructions given to the persons handling the combustibles and the ashes.
- F. The method for disposing of contaminated ash.