

# MALLINCKRODT CHEMICAL WORKS *File*

MANUFACTURERS OF  
FINE CHEMICALS FOR MEDICINAL, PHOTOGRAPHIC  
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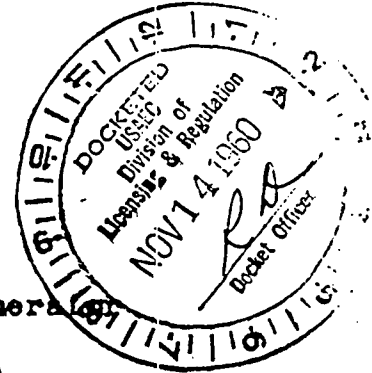
CABLE ADDRESSES  
MALLINCKRODT ST. LOUIS  
DESABREUX NEW YORK  
CODES  
A B C TELETYPE  
A B C RADIO  
BENTLEY'S COMPLETE PHRASE  
BENTLEY'S SECOND PHRASE

SECOND AND MALLINCKRODT STS. ST. LOUIS, 7. MO.

November 6, 1960

*Mallinckrodt*  
FINE CHEMICALS  
Standard Since 1867

Mr. J. C. Delaney  
Licensing Branch  
Division of Licensing and Regulation  
U. S. Atomic Energy Commission  
Washington 25, D. C.



Subject: SNM 33 Extension - Contaminated Trash Incinerator

Reference: Our letter of October 6, 1960. Telephone  
Conversation between John Lane and Dr. I. D. North

Gentlemen:

The following is the supplemental information requested by  
Mr. John Lane in order to include the contaminated trash  
incinerator in our license.

### Location:

Sketch SK 11 is enclosed, which shows the location of the  
incinerator relative to other buildings of the plant. Building  
240 is the main production building in which is located the  
Blue Room, Green Room and Red Room. Building 250 houses a UO<sub>2</sub>  
blending room, store room and UF<sub>6</sub> vault.

### Flue Height:

The incinerator flue discharges at a height approximately 33  
feet above grade. The nearest fresh air intake is on the east  
wall of the fan room. The top edge of this intake is 13 feet  
above grade. As shown on the enclosed sketch (SK-11) the  
intake is approximately 12 feet east of the flue.

### Health Physics:

The flue gases will be monitored continuously during the first  
month of operation. After this, monthly spot checks will be  
made to insure no undetected changes in the operation of the  
incinerator. Breathing zone air samples will be taken  
periodically during loading and unloading of the pot.

Everyone in the plant is required to wear a film badge in order  
to monitor personnel radiation exposures.

*3-63*  
Cy. This ltr. sent  
Compl. 11/16/60

Mrs. J. C. Delaney

-2-

November 11, 1960

These procedures are standard with our Health Physics Department. Should the results of these tests disclose an unacceptable situation, appropriate corrective action will be taken.

Pot Cleanup:

The incinerated material will be removed with a hand scoop and/or by vacuuming with a portable vacuum sweeper. Material removed by scoop will be deposited in a drum with only one pot batch per drum.

I believe this will complete the information you require in order to approve the use of this incinerator. However, should you require additional information please do not hesitate to call us.

Respectfully yours,

MALLINCKRODT CHEMICAL WORKS



L. J. Swallow  
Nuclear Division

LJS/jrt

cc: AEC (7)

NO SCALE

70-36  
 JLC  
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