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MALLINCKRODT NUCLEAR CORP.

Project 5-8
Docket 70-36

5-23-60

Thank you for the copy of your memorandum of May 5, 1960 to Mr. Leonard R. Solon, Chief, Radiation Branch, NYOO, presenting a discussion of the Muffle box cooling process at the Hematite plant.

I am in accord with your analysis of the situation and agree with you that safety in this operation depends to a considerable degree on administrative procedures for making certain that water does not enter the muffle box during the time that water sprays are turned on the external surfaces of the box.

The only suggestion I have to offer relates to the mechanical construction of the muffle box. It would seem rather simple to fashion the top of the box with overhanging edges, and the sides with right angle bends at the bottom, so that it would be impossible for water to enter the muffle box even though one of the welds were to fail.

As a result of our visit to the Hematite plant on April 26, at which time we examined the processing operations, I seem to recall that there were welded or brazed seams on top of the muffle box, and this type of construction could be avoided.

We hope to see you in Washington when you can spare time from your busy schedule in New York. Dr. Beck is in Europe until mid-June, but come any time you can.

HEB:DL&R HEB:DL&R

CDLuke:alp EGC:ase

5/23/60 5/23/60

B-62

William Lloyd

April 7, 60

La. Humatec office,
Center, (Phone room used)

Jim W. Lamb

4 trays

4 trays each shell, 2 shelves, ^{16" distance} 8 x 1.85 14.80 lbs
This is *Prochilodryas* → How long? (?)

3 trays (5.55) stacked and in simple frame today

Ends of 3 trays are 6" dia circle. [6" dia end

17.6" long is lim. note Table XV, P. 23 K-1019)

frame is 9" x 9".