

NUCLEAR  
DIVISION  
Baltimore 2,  
Maryland

**MARTIN COMPANY**  
Hall No. 729

*RW*

April 16, 1963

Mr. Jack Roeder  
United States Atomic Energy Commission  
New York Operations Office  
Compliance Division  
376 Hudson Street  
New York 14, New York

*sh*

Dear Mr. Roeder:

Subsequent to your visit to this facility on March 20th regarding the accident in the spheroidizing operation, we have gathered certain additional data:

A. Urinalysis results for C. Schmalzel:

3/17/63	42.9 ± 1.48 dpm/l
3/18/63	13.8 ± 0.90 dpm/l
3/19/63	13.8 ± 0.92 dpm/l

B. Film badge worn by C. Schmalzel showed no exposure.

C. On March 26, 1963 the final absolute type filter in the spheroidizing room ventilation system was changed, and contamination surveys were made at that time. A summary of the results of the smear survey in the ductwork downstream of the filter are presented for a normal filter change as well as for the filter change after the incident. You will note the similarity.

	<u>2/13/63</u> Normal Filter Change	<u>3/26/63 Filter Change</u> Result of Incident
Min.	159 dpm/100 cm <sup>2</sup> alpha	1400 dpm/100 cm <sup>2</sup> alpha
Max.	6820 dpm/100 cm <sup>2</sup> alpha	4100 dpm/100 cm <sup>2</sup> alpha
Avg.	2900 dpm/100 cm <sup>2</sup> alpha	2500 dpm/100 cm <sup>2</sup> alpha

As a matter of interest, smears made upstream of the absolute type filter have been as high as 249,000 dpm/100 cm<sup>2</sup> alpha.

Please call me if any additional information will be helpful to you.

Yours very truly,

*Richard J. Brisson*

Richard J. Brisson

for Richard H. Boutella, Chief  
Health Physics Section

THE AEROSPACE  
DIVISION OF  
MARTIN

A1107

Ellyson G. Outten, Inspection Specialist  
(Compliance) Division of Compliance, HQ

April 19, 1963

Jack R. Roeder, Radiation Specialist  
(Supervisory) Region I, Division of Compliance

OUR 4/16/63 TYPE "B" INVESTIGATION REPORT; MARTIN-MARIETTA CORPORATION,  
BALTIMORE, MARYLAND; LICENSE SNM-53

CO:I:JRR

Reference is made to paragraph 30 of the subject report details and the second paragraph on page 2 of the memorandum of transmittal. Attached is a copy of a 4/16/63 letter from the licensee. Paragraph C of this letter contains the results of the smear survey taken in the ducts. Paragraphs A and B of the letter are confirmation of information already contained in the report.

Attachment:  
cy 4/16/63 ltr