

MA.01-5

A. J. Breslin, Director
Health Protection Engineering Division

July 11, 1963

H. Glauberman
Health Protection Engineering Division

SURVEY OF HOOD BUILDING DECONTAMINATION

HSH:HG

I visited the Hood Building on July 3, 1963 with Mr. R. Chamberlin and Ny. F. Masce of the Massachusetts Institute of Technology, Occupational Medical Service, Mr. R. Howell, Massachusetts Institute of Technology, Building Maintenance, and Mr. P. Russo of Con-Rad, to perform a final radiation survey of the site remains.

The building was completely demolished except for the basement walls and sections of the concrete floor. All building materials and debris associated with the demolition phase had been removed from the site and properly disposed of.

Measurements were made at the bottom of the excavation and the remaining basement walls. A reading of about 50 $\mu\text{d}/\text{m}^2/100\text{ cm}^2$ was observed at one location along the machine shop wall. All other α readings were essentially background. Beta-gamma readings ranged from .02 to .04 mr/hr .

Since the findings were satisfactory, verbal permission to back-fill the basement was given to the Massachusetts Institute of Technology and Con-Rad representatives.

Con-Rad's air sampling and urine analysis records were reviewed and are summarized in the attached table. The table lists only maximum readings for each period. Average concentrations were considerably less. The records indicate that no persons received significant occupational or non-occupational exposures from either uranium or beryllium in connection with the Hood Building decontamination or demolition.

Attachment:
Con-Rad Air Sample Measurements and Urine Analysis

Hood Bldg
Minn.

OFFICE ▶	HSH				
SURNAME ▶	Glauberman:ln				
DATE ▶	7/11/63				

CON-RAD AIR SAMPLE MEASUREMENTS AND URINE ANALYSIS

<u>Date</u>	<u>Operational</u>		<u>Environmental</u>		<u>Urine</u>
	<u>Be-ug/M³</u>	<u>U-uc/cc</u>	<u>Be-ug/M³</u>	<u>U-uc/cc</u>	
8/8 - 8/30/62			<.01	4.3 x 10 ⁻⁴	<.05
8/27 - 10/1/62			<.01	4.71 x 10 ⁻⁴	
10/1 - 10/29/62			<.01	1.69 x 10 ⁻¹⁴	
10/29 - 11/30/62	.13 20*	2 x 10 ⁻¹²	<.01	6.46 x 10 ⁻¹⁴	<.05
11/30 - 12/28/62	.046	< 2 x 10 ⁻¹⁴	<.01	< 2 x 10 ⁻¹⁴	<.02
1/4 - 1/25/63	<.003	2.76 x 10 ⁻¹⁴	<.01	7.37 x 10 ⁻¹⁵	<.02
2/1 - 2/28/63			Discontinued	3.76 x 10 ⁻¹⁴	Discontinued
3/1 - 3/29/63			Discontinued	4.24 x 10 ⁻¹⁴	Discontinued
4/1 - 4/30/63			Discontinued	9.17 x 10 ⁻¹⁴	Discontinued
5/1 - 5/31/63			Discontinued	7.7 x 10 ⁻⁴	Discontinued

*MIT measurement during hood removal, - 30 minute duration