A. G. Voress

CARBIDE AND CARBON CHEMICALS DIVISION
UNION CARBIDE AND CARBON CORPORATION
SOUTH CHARLESTON PLANT LABORATORIES

TO Mr. N. H. Ketcham (12)
South Charleston Plant

ATTENTION

COPIES TO Dr. F. H. Roberts
Mr. G. V. Scofield
Mr. C. B. Lamb

DATE July 19, 1951

SUBJECT Particulate Matter from Foamglas Insulation
W-52-65

FILE 938

Dear Mr. Ketcham:

The laboratory has sampled and analyzed the air for particulate matter in the vicinity of men installing Foamglas insulation on brine lines in Building 109. The insulation as received by the insulators comes in straight lengths. Before it can be installed on pipes, a certain amount of cutting and fitting is necessary in order to fit the insulation around pipe connections. Samples were taken during the cutting and fitting operations and installation of the insulation on the brine lines. A general room sample was taken in order that the values obtained in the vicinity of the insulators might be compared with the general dust level.

A midget impinger equiped with a shield to keep out large particles was used to obtain the samples. Water was used as the collecting medium. Counts were made with Dunn cells using the standard light field technique.

Very truly yours,

A. G. Voress

WORKS LABORATORY

A.G.VORESS/mn

Attachment

INTERCOMPANY CORRESPONDENCE

RESULTS

Table I

Sample Number	Date	Position	Particulate Matter mppcf*
1	6-21-51	Nose level by man making fitting out of straight lengths of insulation. Working on scaffold in the N.E. end of Bldg. 109.	3.1
2	6-21-51	Nose level by man fitting Foamglas insulation on brine line. Working on scaffold in N.W. side of Bldg. 109.	2.4
3	6-21-51	Same as Sample No. 2 except on another man on same scaffold.	3.1
4	6-21-51	Face level while pacing on ground floor of Bldg. 109 in the vicinity of the scaffolds.	1.7

* Millions of particles per cubic foot