UNION CARBIDE

Mr. C. Frankenberger
Linde Division
Speedway Factory
4801 West 16th Street
Indianapolis, Indiana 46224

August 23, 1974

Medical Department

Mr. J. E. Bertrand
Mr. K. Earl
Mr. D. Jenkins
Mr. R. M. Neary
Mr. R. Oldford
Mr. H. L. Phillips
Mr. L. G. Suelter
Dr. J. J. Welsh/Dr. K. S. Lane

Dear Mr. Frankenberger:

A follow-up industrial hygiene survey to evaluate the changes made in the acetylene cylinder filling building was performed on August 6-7, 1974.

The results of the air samples for asbestos are shown on the attached table.

At the time of the first addition of asbestos to the mix tank it was noted that the exhaust blower for the shredder was inoperative. It was decided to take samples anyway. As can be seen the results are 2-3 times the ceiling limit value of 10 fibers greater than 5 microns per milliliter. Respiratory protective equipment was worn by the operator and myself. The time of this operation requires about 10 minutes.

A21695

PLAINTIFF'S EXHIBIT

UC-4350

UCC 009402

Union Carbide trial exhibit UC-4350: Leo J. LaFrance to C. Frankenberger on Asbestos Air Sampling at the Linde Di...
ACL Doc 18928 · Page 1 of 5
Published by AsbestosClaims.Law
asbestosclaims.law/library/18928/1

Follow-up samples after the blower was repaired indicated concentrations at the limit value of 2 fibers.

This also points up that routine periodic checking of equipment of this nature should be performed. It is also questionable whether or not is is wise to perform these operations when such conditions exist.

The shredder itself could be improved so that the present methods of charging after breaking the bale outside the unit could be eliminated.

All other operations checked and the general area samples were below the limit of 5 fibers and the limit of 2 fibers which becomes effective July 1, 1976.

For the present it is suggested that these areas be chedked onna monthly basis. If results continue to be below limits, than a six month interval would be sufficient.

It would also be desirable to sample when a cylinder is cut open in the machine shop. This operation has not been performed during one of my visits.

With regard to cylinder clean-out I would suggest mounting two or three sampling heads connected to a central vacuum source to determine levels in this building. I would not expect to find much if any since this is predominantly a wet system. However, the data should be collected for record purposes. This was discussed with Messrs. Phillips and Wooldridge.

Union Carbide trial exhibit UC-4350: Leo J. LaFrance to C. Frankenberger on Asbestos Air Sampling at the Linde Di... Published by AsbestosClaims.Law
ACL Doc 18928 · Page 2 of 5 asbestosclaims.law/library/18928/2

The rest of the plant was inspected as time permitted and no other operations were noted where air sampling was felt necessary for evaluation.

Thanking you for your courtesy extended, I remain.

Very truly yours,

Leo J. LaFrance
Industrial Hygienist

LJL:lk
Attachment

A21697

Union Carbide trial exhibit UC-4350: Leo J. LaFrance to C. Frankenberger on Asbestos Air Sampling at the Linde Di... Published by AsbestosClaims.Law
ACL Doc 18928 · Page 3 of 5 asbestosclaims.law/library/18928/3

UNION CARBIDE

Asbestos in Air Concentrations
Union Carbide Corporation
Linde Division
Speedway Factory
Indianapolis, Indiana
August 6-7, 1974

Location	Asbestos Number of Fibers 5 microns per milliliter	Remarks
Acetylene Cylinder Fill Building - New Shredder room operator	30	Exhaust blower inoperativ
New Shredder general area	20	
New Shredder room on operator	2	Exhaust blower in operation
New Shredder room general area	1	
At top of mix tank	0	While charging asbestos
Plug drill (on operator)	1	usual operation
Top clearance inspection (on operator)	1	usual operation
Wire brush fill plugs (on operator)	1	usual operation
General area-walk around depts.	1	usual operation
General air-top of power cabinet below old rest room	1	

A21698

UCC 009405

Published by AsbestosClaims.Law
asbestosclaims.law/library/18928/5