

INTERNAL  
CORRESPONDENCEUNION CARBIDE CORPORATION TECHNICAL CENTER  
P.O. BOX 8361, SOUTH CHARLESTON, WV 25303To: Name H. E. Rucker  
Division 2009  
Location 512  
AreaDate August 25, 1987  
Originating Dept. EM&TS - HS&EA  
Area Industrial HygieneCopy to B. J. Agosti - 2009/512  
B. H. Avashia, M.D. - 23/512  
W. L. Browning - 2009/512  
R. E. Coyner - 2009/512  
C. M. Hutsenpillir, Jr. - 77/512  
S. E. Illikainen - 2-228/512  
C. P. Maxwell - 701/2  
B. R. McMakin - 2009/512  
R. J. Romagnoli - 303/101Subject Asbestos Exposure Monitoring

Attached are the results of asbestos monitoring for three days at the Cellosize Unit (Bldgs. 79 and 77) after the contamination of asbestos caused by a Heist blasting operation in the area south of building 77. All samples are well below the action level of 0.1 fiber/cc except the maintenance lunchroom area sample of building 77, collected on July 30, 1987. This sample was suspected of being "contaminated" as no other samples showed high levels of asbestos. In addition, two samples of dust collected off the air conditioner ledge and filter (approx. 3 feet from where the air sample was taken) were reported as nil for asbestos content as reported to this writer by the Institute Plant maintenance coordinator. The air conditioner was operating all day.

The personal exposure samples were below the 0.2 fiber/cc permissible exposure level standard per OSHA 29CFR 1926.58 and the action level of 0.1 fiber/cc as per the same standard.

Employees wore no street clothes, two pair of coveralls, headcover, boots, gloves and an AO R57-A HEPA half-face cartridge respirator. They showered before lunch and at the end of the workday before leaving plant.

August 25, 1987

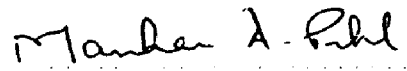
Please inform \_\_\_\_\_ of their exposure monitoring results as soon as possible. Have them sign and date this report and return it to M. A. Patel at Building 701-330.

If you have any questions or we can be of further assistance call us on extension 6485 or 3750.

WORK BY:

APPROVED BY:

  
Vance E. Stover & H. J. Kimble

  
Manhar A. Patel

Attachment

VES:HJK:MAP:rab  
2632P

ASBESTOS EXPOSURE MONITORING

| <u>Date</u> | <u>Sample Type/<br/>Employee Name</u> | <u>Sampling<br/>Time</u> | <u>Air Conc.<br/>fibers/cc</u> | <u>TWAg<br/>fibers/cc</u> | <u>COMMENTS</u>                                                                                           |
|-------------|---------------------------------------|--------------------------|--------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------|
| 7/30/87     | AREA                                  | 6hrs 17min               | 0.011                          |                           | 30 feet west of southwest corner of Bldg. 77 at barricade at breathing zone level.                        |
| 7/30/87     | AREA                                  | 6hrs 20min               | > *0.886                       |                           | In maintenance lunch room of Bldg. 77 on refrigerator at breathing zone level.                            |
| 7/30/87     | AREA                                  | 6hrs 13min               | 0.004                          |                           | Under Cellosize Unit pipe half way on the east-west run at cooler on north side at breathing zone level.  |
| 7/31/87     | AREA                                  | 9hrs 8min                | 0.022                          |                           | In lunchroom of Bldg. 77 on refrigerator at breathing zone level.                                         |
| 7/31/87     | AREA                                  | 3hrs 1min                | 0.007                          |                           | 30 feet west of southwest corner of Bldg. 77 at barricade at breathing zone level.                        |
| 7/31/87     | AREA                                  | 8hrs 40min               | 0.004                          |                           | At doghouse (unloading shack) on south side of Bldg. 77 1 foot east of barricade at breathing zone level. |
| 7/31/87     |                                       | 5hrs 12min               | 0.010                          | 0.006                     | Insulator was HEPA vacuuming equipment and structure in toolroom of Bldg. 77 and shop area.               |
| 8/1/87      |                                       | 7hrs 40min               | 0.008                          | 0.009                     | Insulator was HEPA vacuuming equipment and structure in toolroom of Bldg. 77 and shop area.               |
| 8/1/87      |                                       | 13hrs 16min              | 0.008                          | 0.013                     | Insulator was HEPA vacuuming equipment and structure in toolroom of Bldg. 77 and shop area.               |
| 8/1/87      | AREA                                  | 13hrs 17min              | 0.003                          |                           | At barricade outside door to maintenance toolroom in Bldg. 77 shop area.                                  |

\*See note in cover letter.

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