

FILE NAME: Union Carbide (UC)

DATE: 1983 Apr 12

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DOCUMENT DESCRIPTION: Industrial Hygiene Survey Report - South Charleston Plant

INDUSTRIAL HYGIENE SURVEY REPORT

APR 13 1983

SOUTH CHARLESTON PLANT

To: W.A. Stricklin

Date: April 12, 1983

cc: E.D. Harrah

From: W. C. Young

Monitored Employees

L. W. Phair

B. G. Stump

Survey Date 4-5-83

Department/Location 350010 / Bldg. 428

Airborne Chemical Measurements

Asbestos Dust

File No. OH 671

Area/Source (7.3) (1)

Occupational Exposure (7.4)

Noise (8.1)

Heat Stress (9.5)

Illumination (9.6)

Dust, Respirable/Total (9.7)

Sample Location,
Employee Monitored

SSAN

Exposure
Concentration
ppm - mean
fibers > 5µm/ccSample
Duration
MinutesExposure
Concentration
ppm - mean
(TWA/8 Hrs.)
fibers > 5µm/cc

Status (2)

W. H. Bell 236-30-4927 6-19-83 3.9

30

< 3.9

IC

J. L. Vance 233-78-6544 10-25-82 2.1

30

< 2.1

IC

- Relining vehicle brakes -

Comments: Use of compress air has been discontinued while performing this work to reduce exposure to airborne asbestos fibers. Nevertheless, a measurable quantity of respirable fibers was detected on the above date. Although exposure appears substantially low, use of the 3-M disposable dust mask (available in 514 stores) would likely

(1) (n.n) = Plant 514 Safety File Reference prevent inhalation exposure altogether under these conditions

(2) IC = In Compliance; NC = Non-Compliance; NEEL = No Established Exposure Limit

Applicable Standard, TWA/8 Hrs.: TLV[®] _____; OSHA * _____; UCC _____;

Short Term Exposure Limit (STEL) _____; Ceiling Limit 10 fibers > 5µm/cc air

(3) Please notify monitored employees of results in accordance with Plant 514 Safety/Health Procedure No. 16 and applicable OSHA regulations.

* 2 fibers longer than 5 micrometers per cubic centimeter of sampled air.

UCC 008371