

**CertainTeed**

Date

March 11, 1981

To

Jack Anderson

Location and mail code

Hillsboro 521

Subject

INDUSTRIAL HYGIENE SURVEY  
Hillsboro A/C Plant

From

Tom Shaffer

Location and mail code

1125/4

cc: O. Kittilstad - 1125/4  
D. Hall - 2125/2B  
J. McGinley - 2/25/2B  
N. Pocock - Hillsboro 521

PLAINTIFF'S EXHIBIT

CT-449

Please find attached the results of the air monitoring which Nick conducted for epichlorohydrin. In all cases, the results were found to be "none detected". The detection limit averaged 0.1 ppm, well below the OSHA limit of 5 ppm.

These results constitute an "Employee Exposure Record" as defined in OSHA 29CFR1910.20 and CertainTeed Corporate Procedure AD-011. As such, they must be maintained for at least 30 years in the plant and be made available to those federal officials/designees and employees according to those guidelines.

If you have any questions, please don't hesitate to contact me.

TCS/tmf

Industrial Hygiene Survey  
Hillsboro A/C Plant  
January, 1981

TABLE 1

| No.<br>81- | POSITION<br>LOCATION<br>(DATE)          | NAME      | ANALYSIS FOR    | TIME              | MIN. | RESULT*                     | REMARKS                      |
|------------|-----------------------------------------|-----------|-----------------|-------------------|------|-----------------------------|------------------------------|
| 002        | Epoxy<br>Coupling<br>Sprayer<br>1/28/81 | G. Miller | epichlorohydrin | 10:26a-<br>11:46p | 80   | none detected<br><0.023 ppm | EPON 828<br>16" 150 Coupling |
| 003        |                                         |           |                 | 2:17p-<br>3:10p   | 53   | none detected<br><0.035 ppm | Respirator worn              |
| 005        | South Side<br>End Painter<br>2/3/81     | G. Miller | epichlorohydrin | 1:23p-<br>2:18p   | 55   | none detected<br><0.034 ppm | EPON 828<br>8" 150 pipe      |
| 006        |                                         |           |                 | 3:20p-<br>3:27p   | 7    | none detected<br><0.27 ppm  |                              |

\* The OSHA limit as given in 29 CFR 1910.1000 is 5 ppm.

Air monitoring was conducted on 150mg charcoal tubes with an MSA Model S pump equipped with a 92943 low flow adapter. Calibration was obtained before and after monitoring. Analysis was done by gas chromatography.

CTD016346