



C O N F I D E N T I A L

CONSTRUCTION

PRODUCTS

DIVISION

Report: 76208

Group: RPD Manufacturing

Date: 8/21/85

Charge No.: 1174

Requestor: M. Kane

Marketing or Manufacturing Approvals:

Name: J. E. Harnilton

Approved: \_\_\_\_\_

REQUEST FOR TECHNICAL SERVICE

PROBLEM TITLE: Environmental Evaluation -- Air -- Fibrous Materials.

SIGNIFICANCE: The evaluation of workplace air on a periodic basis is necessary to comply with the air sampling section of the OSHA Asbestos Standard.

SPECIFIC OBJECTIVE: Determine fiber counts for filter media.

SUGGESTED APPROACH: Phase contrast microscopy.

DEADLINE (last day information will be of value): Two (2) weeks.

DETAILS OF PROBLEM: Please evaluate engineering samples from Irondale. Sample numbers IR-20 - IR-28.

Products and ores involved: L-4

ACCEPTED BY RESEARCH DEPT.: John U. Kelly DATE: 8/21/85

ASSIGNED TO: B. C. Lenny

ADDITIONAL COPIES: Original to Library; J. W. Wolter, W. R. Wright, H. C. Duecker, F. W. Eaton, P. M. Connor, J. C. Yaug

10002745

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REQUEST FOR TECHNICAL SERVICE

NUMBER: 76208

GROUP: BPD Manufacturing

ACTUAL COST: \$250.00

REPORTING DATE: 8/22/85

SUMMARY AND RESULTS:

Nine engineering samples were received from Irondale, Alabama and were evaluated for their fiber content.

The results are as shown on the attached Air Sampling Record Sheet.

*D. L. Vickey*  
D. L. Vickey

DLV/ph

Attachment

10002746

# GRACE

## AIR SAMPLING RECORD SHEET

HEALTH, SAFETY & TOXICOLOGY DEPT.

Plant Location Indale  
 Division CPO  
 Sampling by MSK Date 8/13/85  
 Contaminant Asbestos Fiber

Weather Sunny & humid  
 Temperature 87°F  
 Pressure 30.15  
 Housekeeping Good

Type of Sampling: Personnel Engineering ✓  
 Collection Media CSM AA membrane  
 Pump (type & model) Bayport P-2520

| Sample No. | Employee Name & Social Security No. | Personal Protective Equipment | Job Location and Description                                        | Pump No. | CLOCK TIME |       |       | Flow Rate | Total Volume Sampled | fibers/ml |
|------------|-------------------------------------|-------------------------------|---------------------------------------------------------------------|----------|------------|-------|-------|-----------|----------------------|-----------|
|            |                                     |                               |                                                                     |          | On         | Off   | Total |           |                      |           |
| IR-20      | 5-142-17                            | n/a                           | D-18 storer - waste end                                             | 46       | 8:33       | 9:26  | 53    | 2.0       | 106                  | 0.06      |
| IR-21      |                                     |                               | Rear wall & 5' vertical bayonet<br>waste drop (between elec panels) | 45       | 8:44       | 10:00 | 116   | 2.0       | 232                  | 0.05      |
| IR-22      |                                     |                               | Baghouse waste drop                                                 | 46       | 9:27       | 10:04 | 97    | 2.0       | 194                  | 0.20      |
| IR-23      |                                     |                               | Baghouse, hanging from bar above<br>baghouse & under (see diagram)  | 45       | 10:00      | 10:11 | 31    | 2.0       | 62                   | 0.04      |
| IR-24      |                                     |                               | waste rock hopper (D-18)                                            | 46       | 10:05      | 10:41 | 56    | 2.0       | 112                  | 0.82      |
| IR-25      |                                     |                               | Baghouse waste drop (400 ft)                                        | 45       | 11:15      | 10:00 | 105   | 2.0       | 210                  | 0.02      |
| IR-26      |                                     |                               | D-18 storer - production                                            | 46       | 12:03      | 10:02 | 59    | 2.0       | 118                  | 0.02      |
| IR-27      |                                     |                               | Baghouse - bin portion<br>(same as IR-23)                           | 45       | 10:00      | 10:46 | 106   | 2.0       | 212                  | 0.03      |
| IR-28      |                                     |                               | Hanging from ~6' landing by<br>D-18 bagging station                 | 46       | 10:05      | 10:46 | 101   | 2.0       | 202                  | 0.01      |
|            |                                     |                               |                                                                     |          |            |       |       |           | 10002747             |           |

Additional Comments \* bayonet, I raised IR-21 @ 10:05, then hooked it later  
 Laboratory Evaluation by ALD Vicky

IR-23) back over from IR-21, no asbestos in bagging station