PLAINTIFF'S EXHIBIT WRG-758

CONSTRUCTION PRODUCTS DIVISION

WRG 000759

REPORT: 69876
GROUP: BPD Manufacturing
DAT : 14 April 1983
CHARGE NO.: 1174
REQUESTOR: Paul M. Connor
MARKETING OR MANUFACTURING APPRO
NAME: T. E. Hamilton
APPROVED:

REQUEST FOR TECHNICAL SERVICE

PROBLEM TITLE: Environmental Ealuation -- Bulk Sample -- Fibrous Materials

SIGNIFICANCE: The evaluation of workplace environment is necessary to comply with federal regulations.

SPECIFIC OBJECTIVE: Determine asbestos content of bulk sample.

SUGGESTED APPROACH: X-ray

DEADLINE (Last day information will be of value): 2 weeks

DETAILS OF PROBLEM: Please evaluate BS-1 (Bulk Sample) of spray coating material from the Traveler's Rest machine shop wall.

PLAINTIFF'S EXHIBIT
Eschenbach 75
KA 8-7-86

ACCEPTED BY RESEARCH DEPT.: DATE: 4/15/83
ASSIGNED TO: J. Sweet / B. Penny
ADDITIONAL COPIES: Original to [redacted] J. W. Wolter, H. C. Duecker, P. M. Connor
E. W. Eaton

AIR SAMPLING RECORD SHEET

HEALTH, SAFETY & TOXICOLOGY DEPARTMENT
PLANT LOCATION TRAVELER'S REST
CONTAMINANT Asbestos
SAMPLING BY P.M. Connor
DATE: 6 April 83

SAMPLING CONDITIONS:
OUTSIDE Sunny
INSIDE DRAFT Mech
VISIBLE DUST Light
HOUSEKEEPING Fair

TYPE OF SAMPLING:
PERSONNEL _____ ENGINEERING ✓
MEMBRANE (Size & Type) 0.8μ AA
IMPINGER (Soln & Vol) N/A
PUMP (Type & Model) DuPont P-2500

Sample Number	Employee Name	SS Number	Job Location & Description	Pump Number	Pump Off	Pump On	Sampling Time	Flow Rate	Total Sampled Volume	Lab Evaluat
TR-1	- area sample		Machine Shop -- @ south wall	48	10^{35}	8^{30}	125	2.0	250	* <.01
-2	- area sample		" " " @ middle of room	46	10^{35}	8^{34}	121	2.0	242	* <.01
-3	- area sample		" " " @ North wall	44	10^{36}	9^{23}	72	2.0	144	* <.01

Additional Comments: _____

Laboratory Evaluation by: Jane H. Sweet
Date: 4/19/83

* No visible fibers

REQUEST FOR TECHNICAL SERVICE

NUMBER: 6987 6

GROUP: BPD Manufacturing

ACTUAL COST: $€

REPORTING DATE: April 26, 1983

SUMMARY AND CONCLUSION:

The bulk sample was examined and found to contain chrysotile asbestos fibers by x-ray diffraction method and microscopic examination.

The major components were expanded vermiculite and other amorphous binder material; a trace of quartz sand was also found to be present.

EXPERIMENTAL:

(1) XRD

Major: Vermiculite and amorphous binder.

Intermediate-Minor: Chrysotile asbestos fiber.

Trace: α-quartz.

(2) Microscopic Examination

The bulk sample had chrysotile asbestos fibers well-distributed throughout with length up to a few millimeters.

The amorphous binder was extremely fine-grained imbedded with some vermiculite particles.

REFERENCE:

MISC-405.

Julie C. Yang

JCY:da

APR 22 1983

CONSTRUCTION
PRODUCTS
DIVISION

REPORT: 69875
GROUP: BPD Manufacturing
DATE: 14 April 1983
CHARGE NO.: 1174
REQUESTOR: Paul M. Connor
MARKETING OR MANUFACTURING APPROVALS:
NAME: Thomas E. Hamilton
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): 2 weeks.

DETAILS OF PROBLEM: Please evaluate Engineering samples from Travelers Rest

Sample numbers: TR-1 through TR-3
products and ores involved: none

PLAINTIFF'S EXHIBIT
Eschenbach 76
Ka 8-7-86

ACCEPTED BY RESEARCH DEPT.: [signature] DATE: 4/15/83
ASSIGNED TO: I. Sweet
ADDITIONAL COPIES: Original to Library; J. W. Wolter, H. C. Duecker, P. M. Connor
F. W. Eaton

REQUEST FOR TECHNICAL SERVICE

NUMBER: 69875
GROUP: BPD Manufacturing
ACTUAL COST: $90
REPORTING DATE: 4/22/83

SUMMARY:

Three samples were received from Traveler's Rest and were evaluated for their fiber content.

RESULTS:

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

Jane H. Sweet

JHS:da
Attachment

AIR SAMPLING RECORD SHEET

HEALTH, SAFETY & TOXICOLOGY DEPARTMENT
PLANT LOCATION TRAVELER'S REST
CONTAMINANT Asbestos
SAMPLING BY P.M. Connor
DATE: 6 April 83

SAMPLING CONDITIONS:
OUTSIDE Sunny
INSIDE DRAFT Mech
VISIBLE DUST Light
HOUSEKEEPING Fair

TYPE OF SAMPLING:
PERSONNEL _____ ENGINEERING ✓
MEMBRANE (Size & Type) 0.8μ AA
IMPINGER (Soln & Vol) N/A
PUMP (Type & Model) DuPont G-2500

Sample Number	Employee Name	SS Number	Job Location & Description	Pump Number	Pump Off	Pump On	Sampling Time	Flow Rate	Total Sampled Volume	Lab Evaluat
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-3	- area sample		" " " @ North wall	44	10^{36}	9^{23}	72	2.0	144	* <.01

Additional Comments: _____

Laboratory Evaluation by: Jake H. Sweet
Date: 4/19/83

* No visible fibers