FILE NAME: WR Grace (WRG)

DATE: February 28 & 29, 1972

DOC#: WRG298

DOCUMENT DESCRIPTION: 1972 Industrial Hygiene Survey sampling data

CONFIDENTIAL

Report Unico Microaire Wilson Casselle 34581
pumps
MSA gravimetric dust pumps
INDUSTRIAL HYGIENE SURVEY
ZONOLITE DUST CONTROL PROGRAM flow rate = 2 l. min^{-1}

Construction Products Division
W. R. Grace & Co.

SAMPLING

Pump Number 3986

Sample Number AF-72-1-TR

Plant Location TRAVELER'S REST

Date of Sampling 28 FEB 72

Job or Operation Sampled BAGGING AT EXPANDING FURNACE

	Pump	Actual
Time Finished	1455	
Time Started	1420	
Elapsed Time	35 MIN	
Volume Sampled	70 l	cc

(Volume sampled = Elapsed time/min. X 2000)

1. Respirator worn by operator? Yes ___ No X Manufacturer & Type ___

2. Atmospheric Conditions
   a. Outside - (Clear) Cloudy Rain Snow
   b. Inside draft - None Slight (Moderate) Excessive Direction ___
   c. Visable dust - Slight Moderate (Heavy)

3. General Housekeeping: POOR

4. Remarks: KEARNEY #3

Sampled By AE Date Shipped to Lab 6 MAR 72

LABORATORY

Total fiber count ___ Fibers longer than 5 micron per cc 5.6

Comments: Dust on filter much too heavy for good counting — several fields had to be abandoned.

Analysis by F. Lenfis, W. Bank Date 4/6/72

Laboratory R... L M... O

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INDUSTRIAL HYGIENE SURVEY
ZONOLITE DUST CONTROL PROGRAM

34504

Construction Products Division
W. R. Grace & Co.

SAMPLING

Pump Number 3986

Sample Number AF-72-2-TR

Plant Location TRAVELER'S REST

Date of Sampling 28 FEB 72

Job or Operation Sampled REDI-EARTH BAGGING (LARGE BAGS)

	Pump	Actual
Time Finished	1600	
Time Started	1507	
Elapsed Time	53 MIN	
Volume Sampled	106 L cc	

(Volume sampled = Elapsed time/min. X 2000)

1. Respirator worn by operator? Yes ___ No X Manufacturer & Type ___

2. Atmospheric Conditions
   a. Outside - (Clear) Cloudy Rain Snow
   b. Inside draft - None (Slight) Moderate Excessive Direction ___
   c. Visable dust - Slight (Moderate) Heavy

3. General Housekeeping: FAIR

4. Remarks:

Sampled By HE Date Shipped to Lab 6 MAR 72

LABORATORY

Total fiber count ___ Fibers longer than 5 micron per cc 1.7

Comments: Moderate dust on filter - ignore my 1st counts - included too many questionable objects.

Analysis by F. Semplin; W. Bentz Date 4/6/72

Laboratory Bureau of Mines, Denver

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INDUSTRIAL HYGIENE SURVEY
ZONOLITE DUST CONTROL PROGRAM

34505

Construction Products Division
W. R. Grace & Co.

SAMPLING

Pump Number 3986

Sample Number AF-72-4-TR

Plant Location Traveler's Rest

Date of Sampling 29 FEB 72

Job or Operation Sampled Redi Earth Bagging Small Bags

	Pump	Actual
Time Finished	1130	
Time Started	1020	
Elapsed Time	50 MIN	
Volume Sampled	100 L cc	

(Volume sampled = Elapsed time/min. X 2000)

1. Respirator worn by operator? Yes ___ No X Manufacturer & Type ___

2. Atmospheric Conditions
   a. Outside (Clear) Cloudy Rain Snow
   b. Inside draft - None (Slight) Moderate Excessive Direction ___
   c. Visable dust - Slight (Moderate) Heavy

3. General Housekeeping FAIR

4. Remarks: Sphagnum moss with # 3 Kearney

Sampled By AE Date Shipped to Lab 6 Mar 72

LABORATORY

Total fiber count ___ Fibers longer than 5 micron per cc 3.5

Comments: Moderate dust on filter.

Analysis by F. Semplin, W. Banks Date 4/6/72

Laboratory R. Mt. D

CONFIDENTIAL

34503

INDUSTRIAL HYGIENE SURVEY
ZONOLITE DUST CONTROL PROGRAM

Construction Products Division
W. R. Grace & Co.

SAMPLING

Pump Number 3986

Sample Number AF-72-5-JTR

Plant Location TRAVELER'S REST

Date of Sampling 29 FEB 72

Job or Operation Sampled BAGGING AT EXPANDING FURNACE

	Pump	Actual
Time Finished	1200	
Time Started	1140	
Elapsed Time	20 MIN	
Volume Sampled	40 L cc	

(Volume sampled = Elapsed time/min. X 2000)

1. Respirator worn by operator? Yes ___ No X Manufacturer & Type ___

2. Atmospheric Conditions
   a. Outside (Clear) Cloudy Rain Snow
   b. Inside draft - None Slight (Moderate) Excessive Direction ___
   c. Visable dust - Slight Moderate (Heavy)

3. General Housekeeping: POOR

4. Remarks: LIBBY #2

Sampled By AF Date Shipped to Lab 6 MAR 72

LABORATORY

Total fiber count ___ Fibers longer than 5 micron per cc 36

Comments: light dust on filter

Analysis by F. Semlin, W. Bank Date 4/6/72