



Dow U.S.A.

The Dow Chemical Company
P O Box 150
Plaquemine, Louisiana 70765-0150

June 22, 1992

Daniel Cortez Petrin Building 4106
Eddie Guillory Petrin

cc: Wayne Russell Cellulose Building 4501

Asbestos Monitoring

Enclosed are sample results for potential exposure to asbestos.

The OSHA 8-hour permissible exposure limit for asbestos is 0.2 f/cc >5 microns and the 30-minute short term exposure limit is 1 f/cc >5 microns.

The results displayed are based on sampling duration.

The data sheet shows the results of exposure using two methods, the Limit of Detection (LOD) and the Limit of Quantitation (LOQ). Included on the data sheet is an explanation of the method Limit of Quantitation.

Thank you,

Darlene S. Creel
Industrial Hygiene
Ext. 6181
Building 3502-E

Attachment

dsc

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PRODUCED FOR THE ASBESTOS DATABASE

DATE: 6/22/92
MASTER No. 433871 ASC

EXPOSURE GUIDELINES

8-HR. TWA LIMIT - 0.20 FIB/CC

30-MINUTE LIMIT = 1.0 FIB/CC

LIMIT OF DETECTION = 7 FIB/MM2

LIMIT OF QUANTITATION = 100 FIB/MM2

**LOD

***LOQ

ASBESTOS MONITORING DATA RESULTS: CELLULOSE 1992

DATE	SAMPLE #	PERSONNEL	DESCRIPTION	DUR(MIN)	VOL(L)	** LOD FIB/CC	***LOQ FIB/CC
4/15/92	13561	*438-21-6291	Insulator: Removing asbestos insulation from various line on wash deck. WET METHOD	30	76	0.08	<0.51

* The proper protective clothing was worn during the job. North 7700 Respirator with HEPA filters were worn during the job.

Note: The Limit of Quantitation has been defined as 100 Fibers/MM2 using the minimum fiber loading criteria specified. In the NIOSH analytical method 7400, the stated range of the method is 100 to 1300 Fibers/MM2 filter area. Although samples below this range can be analyzed, the method has not been validated below 100 Fibers/MM2. However, the NIOSH method 7400 also establishes the estimated Limit of Detection as 7 Fibers/MM2 (Reference OSHA Std. 1910.1001, Appendix B). Based on this information, we will establish 100 Fibers/MM2 filter area as our Limit of Quantitation and 7 Fibers/MM2 filter area as our Limit of Detection (which is more representative of the actual fibers present) for asbestos monitoring. We will report both Limit of Quantitation and Limit of Detection.

If only Limit of Quantitation were expressed, the minimum reportable result would calculate to be 0.04 Fibers per cc for an 8-hr. Time weighted average sample at a flow rate of 2 liters per minute and 0.6 fibers per cc for a 30 minute time weighted average short term sample at a flow rate of 2 liters per minute.

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LOUISIANA DIVISION INDUSTRIAL HYGIENE SAMPLE RECORD

SAMPLE N^o 13561

PLANT/DEPT. Cellulose
MONITORING FOR: Asbestos Fibers

DATE 4-15-92
OTHER CHEMICALS PRESENT: _____

- SAMPLE COLLECTION MEDIA:
- BADGE NO. _____ TYPE _____
 - TEMP/HUMIDITY: (REQUIRED FOR BADGES) _____
 - CHARCOAL TUBE SIZE _____
 - FILTER CASSETTE SIZE 25 mm
 - SILICA TUBE SIZE _____
 - DRAGER TUBE TYPE _____
 - OTHER _____

PUMP SERIAL NO. 9796
CALIBRATION DEVICE: BUBBLEMETER ROTAMETER
 OTHER _____

SHIFT: 8 HR. 12 HR. PERSONNEL SAMPLE AREA SAMPLE
 FULL SHIFT TWA
 STEL/TASK

PUMP FLOW RATE CALIBRATION:
BEGIN: 1. 2566 2506
2. 2575
3. 2506

EMPLOYEE NAME Darr Breay
EMPLOYEE I.D.# 438-21-0291
JOB CLASSIFICATION insulator
IH JOB CODE # _____
CONTRACTOR COMPANY Petco Corp.

BEGINNING FLOW RATE AVG. 2543 CC/MIN L/MIN
ENDING: 1. 2481
2. 2512 2506
3. 2514
ENDING FLOW RATE AVG. 2510 CC/MIN L/MIN

RESPIRATOR USED? YES NO
RESPIRATOR MODEL / CANISTER TYPE North 7700 ulhpa
 MOUTH-BIT DUST HALF-FACE
 FULL-FACE AIR-LINE SCBA

SAMPLE AVERAGE FLOW RATE 2506
TIME STARTED 10:00 AM
TIME STOPPED 10:30 AM
TOT. RUNNING TIME(MIN) .30 min.

DESCRIPTION OF AREA SAMPLED/JOB PERFORMED DURING MONITORING Removing Asbestos insulation from various lines on wood deck. Wet Method.

SAMPLE VOLUME (AVG FLOW X RUN TIME) 76

ANALYTICAL REPORT REFERENCE # 20-4568
ANALYTICAL RESULTS: 5885 LOD
West Point
* RESTRICTED FOR USE WITHIN DOW ONLY *

FORM FILLED IN BY: LOG Eddie Guilkey



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PETRIN



CORPORATION

P. O. Box 330
Port Allen, LA 70767

Louisiana Contractor's
License #7334

TO: DARLENE S. CREEL
RE: LOUISIANA DIVISION INDUSTRIAL HYGIENE SAMPLE
RECORD: SAMPLE # 13561
FROM: DANIEL CORTEZ
DATE: 06/11/92

MS. CREEL, IN GOING THROUGH OLD RECORDS, A SAMPLE WAS FOUND WHICH WAS OBVIOUSLY OVERLOOKED AND NEVER REACHED YOUR OFFICE. I REGRET THAT THIS ERROR WAS MADE AND WILL, IN THE FUTURE, PERSONALLY TURN IN ALL SAMPLES TO YOU TO PREVENT THIS FROM REOCCURRING.

IF ANY QUESTIONS OR COMMENTS RESULT FROM REVIEWING THE SITUATION, PLEASE FEEL FREE TO CONTACT ME AT ANY TIME.

DANIEL CORTEZ, ASBESTOS ABATEMENT SUPERVISOR
PETRIN CORPORATION
DOW CHEMICAL LAD
EXT. 1968

ATTACHMENT

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