



7979 GSRI AVE. • BATON ROUGE, LA 70820

ASBESTOS FIBER COUNT ANALYSIS

FOR

DOW CHEMICAL  
Industrial Hygiene Bldg. 3502 W  
Post Office Box 150  
Plaquemine, LA 70764-0150

ATTENTION: Ms. Darlene Creel

May 26, 1992

DO A 114793  
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DOW CHEMICAL  
Plaquemine, LA

May 26, 1992

Four (4) filter cassette samples were received on May 22, 1992 from Dow Chemical for fiber count. Fibers larger than 5 microns in length were counted by means of phase-contrast microscopy at a magnification of 400X. The procedure recommended by NIOSH method 7400A was followed. Pertinent information regarding fiber counts is as follows:

Field Area: 0.00785 mm<sup>2</sup> (Walton Beckett Graticule)

Effective Collecting Area:

385 mm<sup>2</sup> (25 mm Cassette)

855 mm<sup>2</sup> (37 mm Cassette)

Limit of Quantitation: 10 fibers/100 fields

Limit of Detection: > Average Blank Count

@ Detection limits are based upon a minimal concentration of 7 fibers/mm<sup>2</sup>.

| Sample<br>I.D. | Fibers<br>(>5um)<br>Observed | No. of<br>Fields<br>Observed | Fibers<br>per<br>Filter | Volume<br>of<br>Air (L) | Fibers<br>(>5um)<br>per c.c.<br>of Air |
|----------------|------------------------------|------------------------------|-------------------------|-------------------------|----------------------------------------|
|----------------|------------------------------|------------------------------|-------------------------|-------------------------|----------------------------------------|

Methanes:

|          |    |     |        |       |       |
|----------|----|-----|--------|-------|-------|
| 12452    | 0  | 100 | <490   | ----- | ----- |
| 13468    | 48 | 100 | 23,542 | ----- | ----- |
| Blank #1 | 0  | 100 | <490   | ----- | ----- |
| Blank #2 | 0  | 100 | <490   | ----- | ----- |

*Philip W. West*  
Philip W. West, Ph.D.  
Laboratory Director

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WEST PAINE  
LABORATORIES INC.  
7979 GSRI AVE.  
BATON ROUGE, LA 70820

PO # 1527627

MSI # 157447

Sample I.D. :

Methans: #12452

13468

Blank #1 / Blank #2

**CHAIN-OF-CUSTODY RECORD**

**SAMPLE COLLECTION:**

Collector's Name: Darlene S. Creel Telephone: (504) 389-6181

Company Name: Dow Chemical (Industrial Hygiene Bldg. 3502W)

Address: P.O. Box 150, Plaquemine, Louisiana 70765-0500

Date Sampled: 5-20-92 Time: \_\_\_\_\_

Type of Process or Facility Sampled: Fiber count via NIOSH 7400

Field Information: Filter cassettes for fiber per filters

Methans #12452 & #13468

Blank #1 / Blank #2

MAY 22 1992

**SAMPLE SHIPPING (other than transportation by collector):**

Transporter's Name: Cornell Christy Date: 5-22-92 Time: 10:45 AM

Company Name: West Paine Courier

Address: R.R.

**SAMPLE RECEIVING:**

Person accepting sample \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Company Name: WEST-PAINE LABORATORIES, INC.

Address: 7979 GSRI AVENUE, BATON ROUGE, LOUISIANA 70820 PHONE: (504) 769-4900

Sample Disposition \_\_\_\_\_ Storage \_\_\_\_\_ Further Transportation \_\_\_\_\_ Other \_\_\_\_\_

**CHAIN-OF-POSSESSION: (Attach additional sheets as needed to show continuity)**

**TERMINATION OF CHAIN OF CUSTODY:**

Authorized by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Company/Name: \_\_\_\_\_ Address: \_\_\_\_\_

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## LOUISIANA DIVISION INDUSTRIAL HYGIENE SAMPLE RECORD

SAMPLE NO 13468

PLANT/DEPT. CMP  
MONITORING FOR: Ambient FibersDATE 5-20-92  
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 \_\_\_\_\_

SHIFT: ☒ 8 HR. ☐ 12 HR. ☒ PERSONNEL SAMPLE ☐ AREA SAMPLE  
☒ FULL SHIFT TWA  
☐ STEL/TASKEMPLOYEE NAME Wendell Acosta  
EMPLOYEE I.D.# 433-19-2653  
JOB CLASSIFICATION Insulator  
IH JOB CODE # \_\_\_\_\_  
CONTRACTOR COMPANY Petrio Corp.RESPIRATOR USED? ☒ YES ☐ NO  
RESPIRATOR MODEL / CANISTER TYPE North 7100 w/hypa  
☐ MOUTH-BIT ☐ DUST ☒ HALF-FACE  
☐ FULL-FACE ☐ AIR-LINE ☐ SCBADESCRIPTION OF AREA SAMPLED/JOB PERFORMED DURING MONITORING Penning ACM from 10" condensation line  
running Elk from distillation - wet methodANALYTICAL REPORT REFERENCE # 20-3368  
ANALYTICAL RESULTS 23.542 0.31 20.51  
West Point Lab LOD LOQ  
\* RESTRICTED FOR USE WITHIN DOW ONLY \* VP-124 FORM FILLED IN BY: Edie GuilkeyPUMP SERIAL NO. 5122  
CALIBRATION DEVICE: ☒ BUBBLEMETER ☐ ROTAMETER  
☐ OTHER \_\_\_\_\_

## PUMP FLOW RATE CALIBRATION:

BEGIN: 1. 2506 2510  
2. 2504  
3. 2506BEGINNING FLOW RATE AVG. 2507 ☒ CC/MIN ☐ L/MIN  
ENDING: 1. 2556 2551  
2. 2562  
3. 2558ENDING FLOW RATE AVG. 2557 ☒ CC/MIN ☐ L/MINSAMPLE AVERAGE FLOW RATE 2532TIME STARTED 10:00 AM  
TIME STOPPED 10:30 AM  
TOT. RUNNING TIME(MIN) .30 min. 75SAMPLE VOLUME (AVG FLOW X RUN TIME) 759.6DO A 114796  
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## LOUISIANA DIVISION INDUSTRIAL HYGIENE SAMPLE RECORD

SAMPLE NO 12452

PLANT/DEPT. 711P  
MONITORING FOR: Asbestos FibersDATE 5-20-92  
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 \_\_\_\_\_

SHIFT: ☒ 8 HR. ☐ 12 HR. ☒ PERSONNEL SAMPLE ☐ AREA SAMPLE  
☒ FULL SHIFT TWA  
☐ STEL/TASKEMPLOYEE NAME Brian Coates  
EMPLOYEE I.D.# 435-64-2532  
JOB CLASSIFICATION Insulator  
IH JOB CODE # \_\_\_\_\_  
CONTRACTOR COMPANY Petrol Corp.RESPIRATOR USED? ☒ YES ☐ NO  
RESPIRATOR MODEL / CANISTER TYPE North 7700 w/hypa  
☐ MOUTH-BIT ☐ DUST ☒ HALF-FACE  
☐ FULL-FACE ☐ AIR-LINE ☐ SCBADESCRIPTION OF AREA SAMPLED/JOB PERFORMED DURING MONITORING Removing ACM from 10' condensate line  
running ELW from distillation. - wet method.ANALYTICAL REPORT REFERENCE # 20-3368  
ANALYTICAL RESULTS: 490 LO.01 LO.51  
West Point Lab LOD LOP

\* RESTRICTED FOR USE WITHIN DOW ONLY \*

PUMP SERIAL NO. 9796  
CALIBRATION DEVICE: ☒ BUBBLEMETER ☐ ROTAMETER  
☐ OTHER \_\_\_\_\_

## PUMP FLOW RATE CALIBRATION:

BEGIN: 1. 2504 2500  
2. 2500  
3. 2506BEGINNING FLOW RATE AVG. 2503 ☒ CC/MIN ☐ L/MIN  
ENDING: 1. 2564 2558  
2. 2564  
3. 2560ENDING FLOW RATE AVG. 2562 ☒ CC/MIN ☐ L/MINSAMPLE AVERAGE FLOW RATE 2532.5TIME STARTED 10:00 AM  
TIME STOPPED 10:30 AM  
TOT. RUNNING TIME(MIN) .30 min.SAMPLE VOLUME (AVG FLOW X RUN TIME) 810.4 75FORM FILLED IN BY: Eddie GuillouDO A 114797  
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