

**LOUISIANA DIVISION INDUSTRIAL HYGIENE REPORT
THE DOW CHEMICAL COMPANY**

LAD-95-1981-1
File Number

12/28/95
Date

Title: Results of Monitoring Conducted at the Environmental Operations Facility
for Dust and Noise During 1981.

SUMMARY:

During 1981 monitoring was performed for Dust and Noise at the Environmental
Operations Facility.

Results are presented in the attached tables.

Coversheet prepared by:

J. Paul

DISTRIBUTION:

None

Restricted for Use Within The Dow Chemical Company

DO 097692
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INCINERATOR AREA

9-3-81
APK

Sample # 02323

1.8428	Clean Filter + Tare	1.8429	Dirty Filter + Tare
<u>1.7950</u>	Tare	<u>1.7950</u>	Tare
0.0478	Clean Filter	0.0479	Dirty Filter

0.0479
0.0478
0.0001 Respirable Dust on Filter

0.1795- Heavier + Tare
0.1795 Tare
0.0000 Heavier

$$\text{Total Dust : } \frac{(0.0001 + 0.0000) \times 1000}{1.631 \times 540 \times .001} = 0.11 \text{ mg/m}^3$$

$$\text{Respirable Dust } \frac{0.0001 \times 1000}{1.631 \times 540 \times .001} = 0.11 \text{ mg/m}^3$$

Block 80

Monitoring for Dust

Other Chemicals Present:

Time Started 0815

Time Stopped 1715

Beginning Flow Rate 1637 cc/min Respirator used ☒ Yes ☐ No

Ending Flow Rate 1622 cc/min ^(.4) when needed

Calibration Check Prior to Monitoring? ☒ Yes ☐ No

Calibration Equipment Used? SKC Field Calibration Kit

NOTE: Job description must be concise and complete.



LOUISIANA DIVISION INDUSTRIAL HYGIENE

Person or Area Monitored Gerald Johnson

Type Sample: ☒ Personnel ☐ Area

☐ Excursion ☐ Other

Job Classification SOT

Description of task performed during monitoring period

including any unusual activities Operator running Skidsteer (John Deere)
in dumping area of bldg. (tip in floor) moving loads to I 100.
Normal duty good skidsteer (Normally this is an
OT classification job.)

Type? 8710 (3m)

Wind, Temp. and Humidity

N/A

Form filled in by Denise Fanning

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Location: Block 80 INTEGRATED AREA

Date: 9-3-81

Sample # 02324

1.8414	Clean Filter + tare	1.8414	Dirty Filter + Tare
<u>1.7900</u>	Tare	<u>1.7900</u>	Tare
0.0514	Clean Filter	0.0514	Dirty Filter

0.0000

Respirable Dust on Filter

1.7900	Heavies + Tare
<u>1.7900</u>	Tare
0.0000	Heavies

$$\text{Total Dust : } \frac{(0.0000 + 0.0000) \times 1000}{1.667 \times 480 \times .001} = 0.0 \text{ mg/m}$$

$$\text{Respirable Dust : } \frac{0.0000 \times 1000}{1.667 \times 480 \times .001} = 0.0 \text{ mg/m}$$

Block 80 Person or Area Monitored CHARLES McCLAY Sample No 02324

Monitoring for DUST Type Sample: ☒ Personnel ☐ Area
☐ Excursion ☐ Other _____ Date 9-3-81

Other Chemicals Present: _____ Job Classification SOT Description of task performed during monitoring period

including any unusual activities OPERATED USING SKIDSTEER LOADER ON
TIPPING FLICK, TO FEED TRASH INTO I-CCO.

Time Started 0715 Thermal tag are removed from him

Time Stopped ~~0715~~ 1515

Beginning Flow Rate 16.67 L/min Respirator used ☒ Yes ☐ No Type? 3710 (317)

Ending Flow Rate _____ WHEN NEEDED Wind, Temp. and Humidity _____

Calibration Check Prior to Monitoring? ☒ Yes ☐ No

Calibration Equipment Used? _____

NOTE: Job description must be concise and complete. Form filled in by J. D. [Signature]



LOUISIANA DIVISION INDUSTRIAL HYGIENE

DO 097696
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Location:

Incinerator Area

Date: 9-23-81

AKC

Sample # 02325

1.8807	Clean Filter + tare	1.8809	Dirty Filter + Tare
<u>1.8330</u>	Tare	<u>1.8330</u>	Tare
0.0477	Clean Filter	0.0479	Dirty Filter

0.0479

0.0477

0.0002 Respirable Dust on Filter

1.8330 Heavies + tare

1.8330 Tare

0.0000 Heavies

$$\text{Total Dust: } \frac{(0.0002 + 0) \times 1000}{1.667 \times 600 \times .001} = 0.20 \text{ mg/m}^3$$

$$\text{Respirable Dust: } \frac{0.0002 \times 1000}{1.667 \times 600 \times .001} = 0.20 \text{ mg/m}^3$$

Block CENTRAL WASTE (80) Person or Area Monitored KEVIN WILKINSON Sample No 02325
Monitoring for DUST Type Sample: ☒ Personnel ☐ Area
☐ Excursion ☐ Other _____ Date 9-23-81
Other Chemicals Present: _____ Job Classification OT Description of task performed during monitoring period
including any unusual activities LOADING OF TRASH INTO I-100 FROM
TIPPING FLOOR.
Time Started 0830 NO UNUSUAL PROBLEMS ENCOUNTERED THIS SHIFT
Time Stopped 1830
Beginning Flow Rate 1667 cc/min Respirator used ☒ Yes ☐ No Type? 3M
Ending Flow Rate _____ AS NEEDED FOR DUST Wind, Temp. and Humidity _____
Calibration Check Prior to Monitoring? ☒ Yes ☐ No
Calibration Equipment Used? _____
NOTE: Job description must be concise and complete. Form filled in by J. D. Bell



LOUISIANA DIVISION INDUSTRIAL HYGIENE

DO 097698
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Location:

INCINERATOR AREA

Date:

10-2-81

Sample # 02327

1.8774	Clean Filter + tare	1.8775	Dirty Filter + Tare
<u>1.8300</u>	Tare	<u>1.8300</u>	Tare
0.0474	Clean Filter	0.0475	Dirty Filter

0.0475

0.0474

0.0001. Respirable Dust on Filter

1.8300	Heavies + Tare
<u>1.8300</u>	Tare
0.0000	Heavies

$$\text{Total Dust : } \frac{(0.0001 + 0.0000) \times 1000}{1.667 \times 480 \times 0.001} = 0.125 \text{ mg/m}^3$$

$$\text{Respirable Dust : } \frac{0.0001 \times 1000}{1.667 \times 480 \times 0.001} = 0.125 \text{ mg/m}^3$$

Block 30 Person or Area Monitored SOPR BERTHARDT-DUPRE Sample No 02327
Monitoring for DUST Type Sample: ☒ Personnel ☐ Area
☐ Excursion ☐ Other _____ Date 10/1/71
Other Chemicals Present: _____ Job Classification OTIF Description of task performed during monitoring period
including any unusual activities _____
Time Started 7:45 _____
Time Stopped 3:45 _____
Beginning Flow Rate 1667 Respirator used ☐ Yes ☒ No Type? _____
Ending Flow Rate _____ Wind, Temp. and Humidity _____
Calibration Check Prior to Monitoring? ☒ Yes ☐ No
Calibration Equipment Used? SOPR BUBBLE METER _____
NOTE: Job description must be concise and complete. Form filled in by YALIN GENTILE



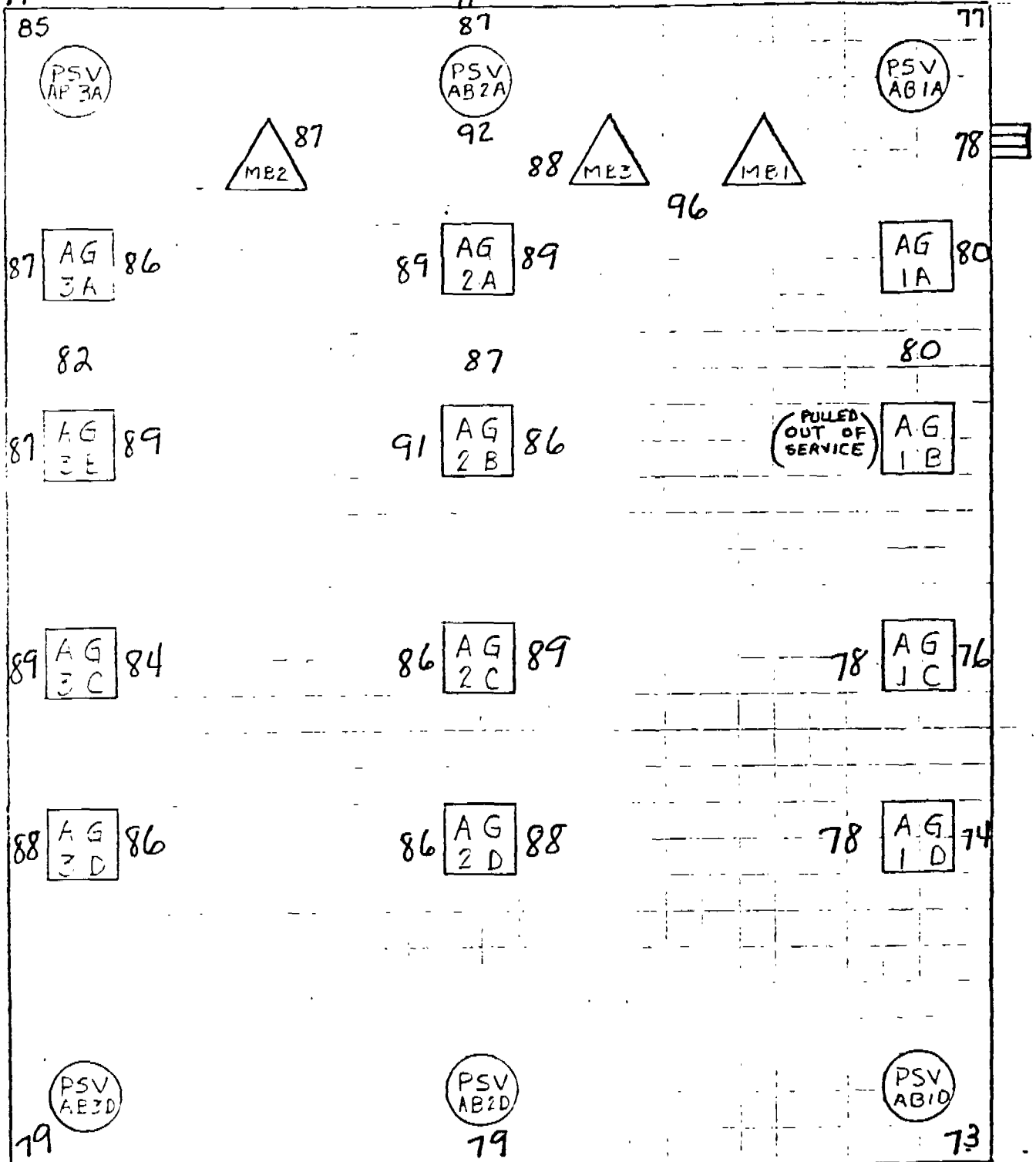
LOUISIANA DIVISION INDUSTRIAL HYGIENE

DO 097700
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NOISE SURVEY - CENTRAL WASTE TREATMENT PLANT REACTOR AREA

DATE 10-5-81
BY D. KENNEDY
M. GENTILE

P-1C - 77
82-85
P-1B - 80
84-88
P-1A - 87
86-87



DO 097701
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NOISE SURVEY - COMPRESSORS
CENTRAL WASTE TREATMENT

DATE 10-21-81
D. KENNEDY
M. GENTILE

C-150

FE-150
A
B

(C-150 NOT
RUNNING)

(92)

(86)

(95)

C-155

(95)

FE-155
A
B

(90)

(91)

BLOW DOWN
DISCHARGE

(94)



JOB NO. _____

AUTH. NO. _____

CHARGE NO. _____

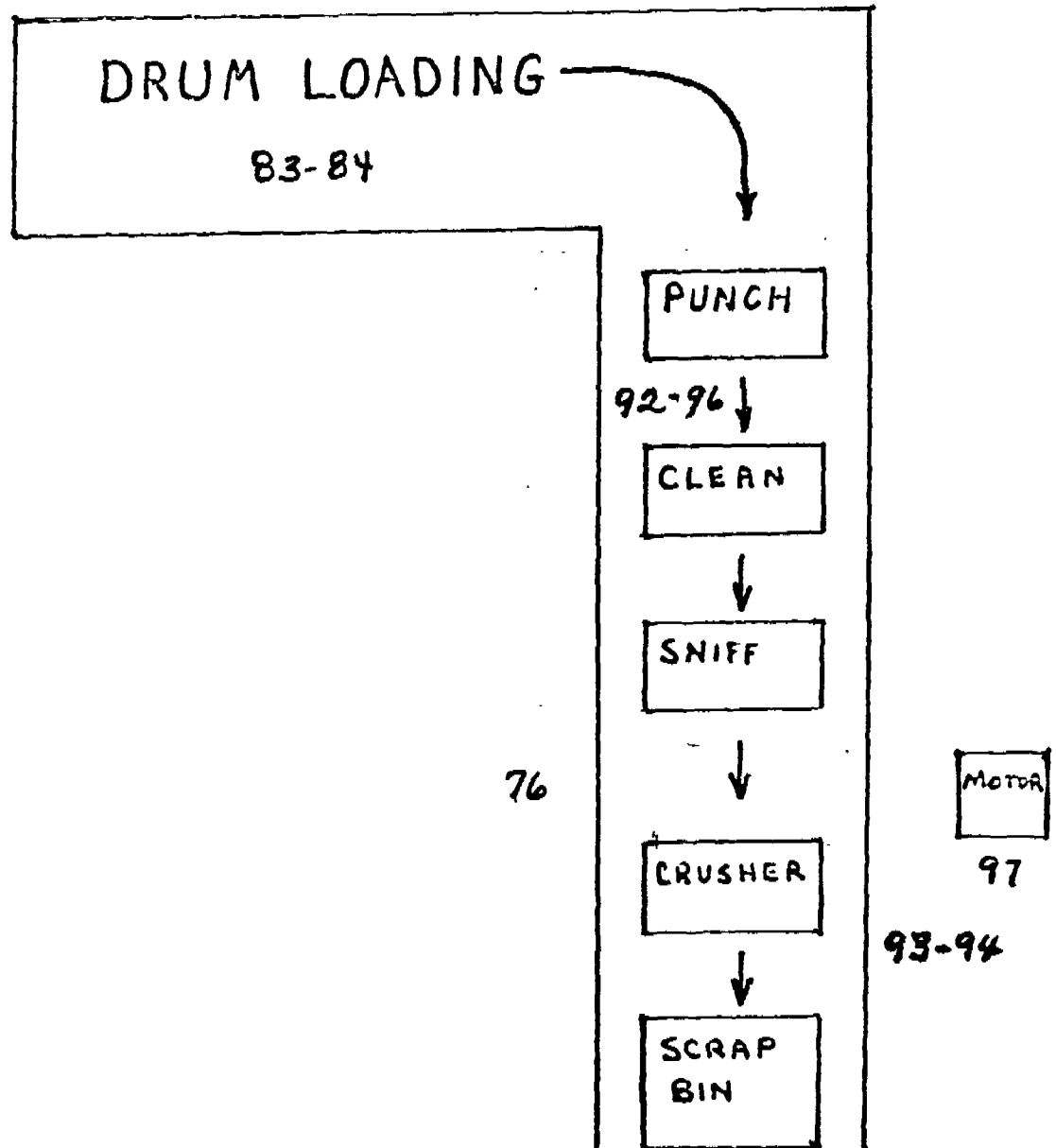
FILE NO. _____

SUBJECT NOISE SURVEY - DRUM CRUSHER

BY _____

CENTRAL WASTE TREATMENTDATE 10-21-81INCINERATOR AREA

CHECKED BY _____



CHEMICAL AND PHYSICAL AGENT INVENTORY

[illegible]

* See Industrial Hygiene Data Sheet.

* * To be filled in by Industrial Hygiene.

CHEMICAL AND PHYSICAL AGENT INVENTORY

[illegible]

* See Industrial Hygiene Data Sheet.

* * To be filled in by Industrial Hygiene.

CHEMICAL AND PHYSICAL AGENT INVENTORY

[illegible]

* See Industrial Hygiene Data Sheet.

* * To be filled in by Industrial Hygiene.

CHEMICAL AND PHYSICAL AGENT INVENTORY

[illegible]

DO 097707
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* See Industrial Hygiene Data Sheet.

* * To be filled in by Industrial Hygiene.

CHEMICAL AND PHYSICAL AGENT INVENTORY

SUPERINTENDENT NAME	PLANT	BUILDING NO.
E. J. Singleton	0801 Central Waste Treatment Plant	8001
FILED BY	DATE	

FILED OUT BY	DATE 6-29-81
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JOB CLASSIFICATION <i>Material Control</i> Operations Technician	INDEX NUMBER 16	NO. OF EMPLOYEES IN CLASSIFICATION 1
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[illegible]

DO 097708
CONFIDENTIAL

* See Industrial Hygiene Data Sheet.

* * To be filled in by Industrial Hygiene.

CHEMICAL AND PHYSICAL AGENT INVENTORY

SUPERINTENDENT NAME	PLANT	BUILDING NO.
E. J. Singleton	0801 Central Waste Treatment Plant	8001
ENTERED OUT BY	DATE	

FILLED OUT BY	DATE
	6-29-81

JOB CLASSIFICATION <i>Safety & Training Support & MAINT.</i> Operations Technician <i>29</i>	INDEX NUMBER	NO. OF EMPLOYEES IN CLASSIFICATION <i>1</i>
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[illegible]

DO 097709
CONFIDENTIAL

* See Industrial Hygiene Data Sheet.

* * To be filled in by Industrial Hygiene.

CHEMICAL AND PHYSICAL AGENT INVENTORY

[illegible]

* See Industrial Hygiene Data Sheet.

** To be filled in by Industrial Hygiene.

CHEMICAL AND PHYSICAL AGENT INVENTORY

[illegible]

* See Industrial Hygiene Data Sheet.

** To be filled in by Industrial Hygiene.