

Milner



DOW CHEMICAL U.S.A.

LOUISIANA DIVISION
PLAQUEMINE, LOUISIANA 70764
504 687-4321

October 26, 1976

ALL POWER PLANT EMPLOYEES

Subject: Yearly Noise Level Survey

This report is in keeping with our yearly requirement to audit the noise level exposure of the personnel working in the Power Plant, and inform these personnel of these levels and the necessary protection to prevent health damage. The following tabulation is a list of areas in this plant and the noise level found in the immediate area this year and last year.

Reviewing the two years, it can be seen that in some areas considerable improvement has been made. This is due mainly to the construction of concrete block walls around some of the boiler fans. It can be seen that the improvement has only been to the area around the fans but inside the walls the noise is no better than before, and sometimes is worse.

From this list of noise levels and the limit set at which no hearing loss is expected (85 dba), it can be seen that this plant has very few areas which are not above the limit. There is a continual effort to reduce these levels and several things have been done with good results. A few of these are the walls around the fans, gas lines on the boiler fronts have been lead coated and insulated, the leak on the block valve for Boiler #4 was repaired, silencers have been installed on various vents in the plant, and a concrete wall was constructed around the #1 Auxiliary Control Room. Due to the high noise levels that continue to exist in this area, it is mandatory that all personnel working in this block outside the control rooms, warehouse, and office areas wear hearing protection at all times.

A handwritten signature in dark ink, appearing to read "David L. Milner".

David L. Milner
Power Department

attachment

mlb

DO 099140
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SOUND LEVEL SURVEY
(dBA)

<u>Location</u>	<u>2-75</u>	<u>10-76</u>
*Auxiliary Control Room	80	77
Chemical Feed Station	97	98
Boiler Feed Pump 1, 2, & 3	99	97
Beneath #1 Generator	93	93
Exciters	96	96
Beneath #2 Generator	97	97
Boiler Feed Pumps 4, 5, & 6	96	97
Air Compressors 1, 2, & 3	98	98
Beneath #2 Turbine	96	96
#1 - 15 kv Switchgear Room	82	80
#1 Water Intake	84	84
Beneath #1 Turbine	96	96
F.D. 1A	98	96
I.D. 1A & 1B	91	90
F.D. 1B & 2A	103	101
I.D. 2A & 2B	94	89
F.D. 2B	101	101
F.D. 3A	106	106
F.D. 3B Inside Wall	105	108
F.D. 3B Outside Wall	105	94
Gas Regulator 1, 2, & 3	94	92
CO ₂ Blower	89	89
Make-up Pumps 1, 2, & 3	85	85
Aux. Transformer 1 & 2	101	99
Warehouse	84	79
*Main Control Room	67	67
#2 Auxiliary Control Room	67	68
Boiler #5 Chemical Feed	93	90
F.D. 5A & 5B Inside Wall	112	108
F.D. 5A & 5B Outside Wall	112	86
Boiler Feed Pump 7 & 8	100	98
F.D. 4A Inside Wall	111	111
F.D. 4A Outside Wall	111	85
F.D. 4B Inside Wall	114	112
F.D. 4B Outside Wall	114	96
#2 Air Dryers & #4 Compressor	94	94
#5 Air Compressor	100	96
Beneath #4 Turbine	92	92
#2 - 15 kv Switchgear Room	75	75
#2 - 2400V Switchgear Room	88	88
Beneath #3 Turbine	97	97
* #4 Boiler Chemical Feed	95	95

SOUND LEVEL SURVEY (dBA)

<u>Location</u>	<u>2-75</u>	<u>10-76</u>
#2 Water Intake	90	90
2-shift Passag Gas Regulators to 4 & 5 Boilers	90	90
Scrubbers - Boilers 4 & 5	90	90
Make-up Pumps 4, 5, 6, & 7	81	81
Gas Turbine #1	75	75
Gas Turbine #2	65	65
Gas Turbine #3	63	63
Capacitor Station	80	80
Lower Fire Aisle #1 Boiler	106	106
Upper Fire Aisle #1 Boiler	105	102
Lower Fire Aisle #2 Boiler	107	107
Upper Fire Aisle #2 Boiler	107	104
Steam Header Level #1 Boiler	92	92
Steam Header Level #2 Boiler	95	92
Upper Level #1 Boiler	87	87
Upper Level #2 Boiler	90	90
Lower Fire Aisle #3 Boiler	100	102
Upper Fire Aisle #3 Boiler	104	104
Steam Header Level #3 Boiler	100	95
Upper Level #3 Boiler	94	90
Deareators 1 & 2	94	94
Deareators 3 & 4	94	94
Lower Fire Aisle #4 Boiler	94	94
Second Fire Aisle #4 Boiler	94	93
Upper Fire Aisle #4 Boiler	93	92
Steam Header Level #4 Boiler	108	84
Attemperator Level #4 Boiler	90	90
Upper Level #4	91	85
Lower Fire Aisle #5 Boiler	98	98
Second Fire Aisle #5 Boiler	98	98
Third Fire Aisle #5 Boiler	98	98
Upper Fire Aisle #5 Boiler	96	96
Steam Header Level #5 Boiler	90	90
Attemperator Level #5 Boiler	90	90
Upper Level #5 Boiler	87	85
Deareator #5	93	93
#1 Turbine Deck	E90-W87	E9C-W87
#2 Turbine Deck	E89-W94	E89-W92
#1 Battery Bank	86	86
Spray Water Pump	94	97
High Pressure Feed Water Heater Flash Tank	90	90
R.O. 2-shift → Block 28 Gas Station	103	103

DLM:10-26-76
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