

LOUISIANA DIVISION INDUSTRIAL HYGIENE DEPARTMENT

NOISE MONITORING RECORD

Plant/Dept. Poly C Employee P. Lee Employee I.D. #: 431220

Date: 5-30-92 Job Classification: Lab Tech

Contractor: _____

Type Noise Sample: ☒ Personnel ☐ Excursion
☐ 8-Hour ☒ 12-Hour

If personnel sample, describe task(s) performed during monitoring period including any unusual activities: Lab Duties

Was hearing protection worn during monitoring? ☒ Yes ☐ No

Type Worn: muffs (o) Plugs (o) NRR Rating: _____

Make and Model Dosimeter used: Quest - M 27 Serial Number: GW1050034

Make and Model Calibrator used: Quest - CA 12 B Serial Number: _____

Calibration Results: Before: 110.0 After: 109.7

Run Time (Minutes): 7:52 472 min

Monitoring Results: Dupont MK-2 Quest M-14, M-15, M-27

Dose % (80 dB Threshold) _____	LTL Dose % <u>13.7</u>
L avg dB (80 dB Threshold) _____	LTL L-Avg dB <u>75.8</u>
Dose % #2 (90 dB Threshold) _____	HTL Dose % <u>8.5</u>
L avg dB #2 (90 dB Threshold) _____	HTL L-Avg dB <u>72.3</u>
L max1 dB (1 second) _____	Max Level dB <u>117.0</u>
L Max Time _____	Peak Level dB <u>145.5</u>
L Max 2 dB (1/16 second) _____	Peak Level dB <u>06 : 01</u>
Dose time (' Hr projected) _____	LTL TWA dB <u>75.8</u>
> 115 dB (time) _____	HTL TWA dB <u>72.3</u>

Sampled By: Donnie Lee

RESTRICTED: DOW CHEMICAL COMPANY USE ONLY

BH:6/91

DO A 113287
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44-38861-10

D Lee

7. 4. 8

5-30-92

29971

-02, 11KZ---06:08; 09:07, 11KZ---06:35; 09:08, 11KC---07:37H; 09:11, 11KZ---09:07

----- 8% FIVE--- --2.60 6M- FIVE----14.9% 8M- FIVE-----31.7%

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

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07:14	58	84	65	76	84dB	+-----+-----+ 84dB
07:45	55	72	72	66	76dB	+-----+-----+ 72dB
07:59	55	88	88	60	60dB	+-----+-----+ 84dB

--CODE THRESHOLD 5dB EXCHANGE RATE

% TIME STATISTICAL DISTRIBUTION

50dB	-1.00	-1.37	-1.19	-2.28	-2.55%	+---- 6.3%
55dB	-1.95	-2.11	-1.95	-2.48	-3.67%	+-----+ 12.1%
60dB	-8.40	-8.34	-9.21	-8.90	-4.56%	+-----+-----+----- 39.4%
65dB	-2.31	-2.75	-2.27	-2.02	-1.93%	+-----+ 12.2%
70dB	-1.67	-1.59	-1.20	-1.11	-1.02%	+---- 6.5%
75dB	-.87	-.67	-.68	-1.16	-2.59%	+-- 5.9%
80dB	-3.48	-1.77	-1.14	-1.72	-2.23%	+-----+ 10.3%
85dB	-1.75	-1.29	-.48	-.35	-.21%	+ 3.9%
90dB	-.15	-.12	-.10	-.15	-.19%	+ .7%
95dB	-.12	-.10	-.11	-.10	-.55%	+ .9%
100dB	-.44	-.12	-.08	-.01	-.01%	+ .6%
105dB	-.01	-.01	-.01	-.01	-.00%	+ .0%
110dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
115dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
120dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
125dB	-.00	-.00	-.00	-.00	-.00%	+ .0%

% TIME STATISTICAL DISTRIBUTION

50dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
55dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
60dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
65dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
70dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
75dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
80dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
85dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
90dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
95dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
100dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
105dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
110dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
115dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
120dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
125dB	-.00	-.00	-.00	-.00	-.00%	+ .0%

5dB EXCHANGE RATE

% TIME STATISTICAL DISTRIBUTION

50dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
55dB	-1.75	-1.77	-1.90	-2.08	-4.71%	+-----+ 12.7%
60dB	-8.40	-8.34	-9.21	-8.90	-4.56%	+-----+-----+----- 39.4%
65dB	-2.31	-2.75	-2.27	-2.02	-1.93%	+-----+ 12.2%
70dB	-1.67	-1.59	-1.20	-1.11	-1.02%	+---- 6.5%
75dB	-.87	-.67	-.68	-1.16	-2.59%	+-- 5.9%
80dB	-3.48	-1.77	-1.14	-1.72	-2.23%	+-----+ 10.3%
85dB	-1.75	-1.29	-.48	-.35	-.21%	+ 3.9%
90dB	-.15	-.12	-.10	-.15	-.19%	+ .7%
95dB	-.12	-.10	-.11	-.10	-.55%	+ .9%
100dB	-.44	-.12	-.08	-.01	-.01%	+ .6%
105dB	-.01	-.01	-.01	-.01	-.00%	+ .0%
110dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
115dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
120dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
125dB	-.00	-.00	-.00	-.00	-.00%	+ .0%

% TIME STATISTICAL DISTRIBUTION

50dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
55dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
60dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
65dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
70dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
75dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
80dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
85dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
90dB	-.00	-.00	-.00	-.00	-.00%	+ .0%
95dB	-.00	-.00	-.00	-.00	-.00%	+ .0%

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9.00	--.11	--.07	--.11	--.01	--.00%	+	1.0%
9500	--.29	--.05	--.09	-1.03	-4.65%	----	6.6%
10000	-0.71	-1.4	-1.07	--.43	--.33%	----	6.4%
10500	--.17	--.19	--.10	--.30	--.20%	+	1.1%
11000	--.40	--.10	--.57	--.50	--.40%	+	2.1%
11500	--.71	--.05	-1.17	--.57	--.72%	+	3.6%
12000	-1.24	--.57	-1.17	-1.57	--.87%	----	5.2%
12500	-1.45	--.07	--.07	--.00	--.00%	+	1.4%

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