



DOW CHEMICAL U.S.A.

August 8, 1975

LOUISIANA DIVISION
PLAQUEMINE, LOUISIANA 70764
804 687-4321

Charlie Halphen
Industrial Hygiene

NOISE SURVEY - VINYL CHLORIDE PLANT AND PERSONNEL - 1975

All Vinyl Plant personnel were checked for noise exposure in July.
The result of these checks are listed by job classification.

Engineers and Superintendent	-	0-42%
Stenographer	-	0%
Lab O.T.	-	0%
Lab S.O.T.	-	0%
Lab Other	-	0-4%
Shift Supervisor	-	0-2%
Operations Specialist	-	0-2%
S.O.T.	-	0-3%
Operations Technician	-	0-30%
EDO	-	0-6%

The result of the Vinyl Plant area survey is attached.

Projects completed:

	COST	BEFORE dB(A)	AFTER dB(A)
1. Replaced noisy gear on K-15A.	25,000	92	90
2. Replaced noisy gear on K-15B.	75,000	-	99
3. Insulated ethylene control valves on R-1D and R-1E.	5,000	92	90
4. Shut down obsolete air system and noisy dryers. New air system at Solvents.	300,000	95	83
5. Replaced steam jets on beta-tri system with vacuum pump.	25,000	97	85

Projects planned:

1. Replace noisy gear on K-8F.	25,000	103
2. Reduce noise on fuel gas burners on vinyl furnaces.	20,000	

Jan
Jan Achord
Vinyl Chloride Plant

AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY



DO 143233
CONFIDENTIAL



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1.	East of K-4	83	21.	FR-1A & B	86
2.	West of K-4	81	22.	FR-1C & D	85
3.	East of T-40	85	23.	T-106	78
4.	West of T-40	84	24.	T-105	74
5.	K-10	94	25.	T-103	79
6.	R-1 A & B	86		V-14 Jet	89
7.	Road by R-1A	88		C-8B Area	89
	R-1E	92		Control Room	66
	East Road	89		Office	62
	Btms pump and control valve	96		Lab	71
8.	C-2 reflux	85			
9.	North end EDC	85			
10.	Scrubbers	90			
11.	C-14	84			
12.	C-20A	84			
13.	East of Oxychlor	88			
	R-1D	87			
	Ethylene line	88			
	At manual valves	90			
	4" from control valve	92			
14.	Center Oxychlor	87			
15.	C-8C	85			
16.	C-25	89			
17.	K-8E	94			
	Gear Box	94			
	Motor	97			
	Suction	97			
	Discharge	96			
18.	K-8F gear box	103			
	Motor	100			
	Suction	99			
	Discharge	94			
19.	K-15A	90			
	Between K-15A & B	93			
20.	K-15B Road	91			
	Motor and gear	99			
	Suction	93			
	Discharge	95			
	Oil system	92			

