

COPY TO: 1. OPERATING DEPARTMENT HEAD
2. D. R. HALEY
3. K. G. TOWNSEND
4. J. L. WYATT

SHARE AUDIT PROCEDURE

DEPT. REACTION

DATE 1-18-83

	YES	NO
DEFICIENCY EXISTS	✓	

NAME OF PROCEDURE HEARING CONSERVATION, DETECTOR TUBES

REFERENCE? S & OH PROCEDURES MANUAL

NUMBER OF PERSONNEL INTERVIEWED: 5

A. AWARE OF PROCEDURE?	✓	
B. UNDERSTAND PROCEDURE?	✓	
C. FOLLOW PROCEDURE?	✓	
D. IF NO, WHY NOT?		
E. REMEMBER HAVING RECEIVED TRAINING?		
1. LAST YEAR	✓	
2. TWO YEARS AGO		
3. THREE YEARS AGO		
UP TO DATE PROCEDURE IN APPROPIATE MANUAL?	✓	
ANY RELATION TO A/I REPORTS IN LAST 6 MONTHS?		✓
SHOULD EXISTING PROCEDURE BE MODIFIED?(IF YES EXPLAIN)		✓
SHOULD RETRAINING BE CONDUCTED?		✓
SHOULD ANOTHER AUDIT BE CONDUCTED?	✓	

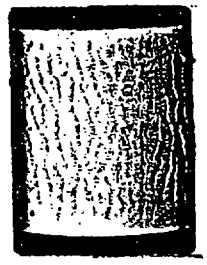
IF YES WHEN? 3 MONTHS

AUDITED BY: Maria Gutierrez

APPROVED BY: K. G. Townsend

BRE 0409





BRE 0410

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NOISE

INSPECTION AND AUDIT

UNIT/AREA/BLDG REACTION #2 DATE 1-12-83

INSPECTION BY Maria Gutierrez

	YES	NO	SEE COMMENT
A. MEASUREMENTS			
1. Is sound pressure level <90 dB(A)?		✓	
2. Is sound pressure level <115 dB(A)?	✓		
3. If >115 is action plan to reduce written?	NA		
4. Is calculated TWA <100%?		✓	
5. If TWA > 100% are engineering controls planned?		✓	(1)
6. If TWA > 100% are administrative controls used?	✓		
7. If TWA > 100% is personal protection used?	✓		
8. Is area free of noisy leaks?	✓		
9. Is sound measurement equipment reliable?	✓		
B. RECORDKEEPING			
1. Are noise maps up-to-date?	✓		
2. Is noise data in computer records?		✓	
3. Is instrument calibration data adequate?	✓		
C. COMMUNICATIONS			
1. Is department head aware of problems?	✓		
2. Are attempts being made to solve problems?	NA		
D. EQUIPMENT			
1. Is old noisy equipment insulated properly?			
2. Is new equipment specified for<90 dB(A)?	✓		

BRE 0411

E. COMMENTS

① THE ACTUAL EXPOSURE IS < 100%

BRE 0412

HEARING PROTECTION

INSPECTION AND AUDIT

UNIT/AREA/BLDG. REACTION #2 DATE 1-12-83

INSPECTION BY Maria Gutierrez

	YES	NO	SEE COMMENT
A. AREA AND EQUIPMENT REQUIREMENTS			
1. Are noise signs present if >90 dB(A)?		✓	①
2. Noise signs easy to spot.	NA		
3. Noise signs legible.	NA		
4. Ear plug boxes near signs.	NA		
5. Sufficient ear plugs in boxes.	NA		
6. Ear muffs available.	✓		
7. Noisy stationary and portable equipment have signs.	NA		
8. Noisy field operations (sandblasting) have signs.	NA		
B. PERSONNEL REQUIREMENTS			
1. Know where noise areas are.	✓		
2. Know of available hearing protection devices.	✓		
3. Carry hearing protectors on their person.	✓		
4. Are wearing protectors (if needed).	✓		
5. Are properly trained.	✓		

C. COMMENTS

① THIS AREA WAS <90 IN THE PREVIOUS SURVEYS AND NOISE SIGNS WERE NOT REQUIRED. UPDATED MAPS OF OUR LATEST (JAN. 83) AREA NOISE SURVEY WILL BE SENT IN THE NEAR FUTURE WHICH WILL PINPOINT THE NEW NOISE SOURCES WHERE SIGNS ARE REQUIRED.

BRE 0413

HEARING PROTECTION

INSPECTION AND AUDIT

UNIT/AREA/BLDG. REACTION #1 DATE 1-12-83

INSPECTION BY Maria Gutierrez

	YES	NO	SEE COMMENT
A. AREA AND EQUIPMENT REQUIREMENTS			
1. Are noise signs present if >90 dB(A)?	✓		
2. Noise signs easy to spot.	✓		
3. Noise signs legible.	✓		
4. Ear plug boxes near signs.	✓		
5. Sufficient ear plugs in boxes.	✓		
6. Ear muffs available.	✓		
7. Noisy stationary and portable equipment have signs.	NA		
8. Noisy field operations (sandblasting) have signs.	NA		
B. PERSONNEL REQUIREMENTS			
1. Know where noise areas are.	✓		
2. Know of available hearing protection devices.	✓		
3. Carry hearing protectors on their person.	✓		
4. Are wearing protectors (if needed).	✓		
5. Are properly trained.	✓		

C. COMMENTS

BRE 0414

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NOISE

INSPECTION AND AUDIT

UNIT/AREA/BLDG REACTION #1 DATE 1-12-83

INSPECTION BY Maria Gutierrez

	YES	NO	SEE COMMENT
A. MEASUREMENTS			
1. Is sound pressure level <90 dB(A)?		✓	
2. Is sound pressure level <115 dB(A)?	✓		
3. If >115 is action plan to reduce written?	NA		
4. Is calculated TWA <100%?		✓	
5. If TWA > 100% are engineering controls planned?	NA		
6. If TWA > 100% are administrative controls used?	✓		
7. If TWA > 100% is personal protection used?	✓		
8. Is area free of noisy leaks?	✓		
9. Is sound measurement equipment reliable?	✓		
B. RECORDKEEPING			
1. Are noise maps up-to-date?	✓		
2. Is noise data in computer records?		✓	
3. Is instrument calibration data adequate?	✓		
C. COMMUNICATIONS			
1. Is department head aware of problems?	✓		
2. Are attempts being made to solve problems?	NA		
D. EQUIPMENT			
1. Is old noisy equipment insulated properly?	✓		
2. Is new equipment specified for<90 dB(A)?	✓		

BRE 0415

E. COMMENTS

Union Carbide trial exhibit UC-1873: Reaction Department Share Audit and Noise, Hearing Protection and Detector… Published by AsbestosClaims.Law
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DETECTOR TUBES

INSPECTION AND AUDIT

UNIT/AREA/BLDG. REACTION #2 DATE 1-18-83

INSPECTION BY Maria Gutierrez

A. CHECK THE FOLLOWING TUBES FOR EXPIRATION DATE

ITEM NO.	DESCRIPTION	TUBE NO.	MEASURABLE CONCEN-TRATION	STORE CODE NO.	QUANTITY EXPIRED BOXES	CLOSEST EXPIRATION DATE	BOXES LEFT COMMENTS
1	ACETALDEHYDE(FORMALDEHYDE)	91	2-20 PPM	63141-005			
2	ACETIC ACID	81	1-80 PPM	63141-003	0	AUG-83	5
3	ACETIC ANHYDRIDE	81	.5-40 PPM	63141-003			
4	ACETONE	151	.01-2%	63141-023			
5	AMMONIA	3L	1-60 PPM	63141-007			
6	BUTANE	104	50-1400PPM	63141-009	0	APR-83	1
7	CARBON MONOXIDE	ILL	5-50 PPM	63141-011	0	JUN-83	2
8	CHLORINE	8LA	.3-16 PPM	63141-013			
9	ETHYL ACETATE	141	.04-1.5%	63141-017	1	JAN-83	0
10	ETHYL ALCOHOL	112	.05-5%	63141-015	0	AUG-83	1
11	FORMIC ACID	81	1-80 PPM	63141-003			
12	HYDROGEN SULFIDE	4LL	.5-60 PPM	63141-021			
13	ISOPROPYL ACETATE	151	.05-0.75%	63141-023			
14	METHYL CHLOROFORM	135	100-500PPM	63141-025			
15	METHYL ETHYL KETONE	152	.02-0.6%	63141-027	0	DEC-84	3
16	MONOETHANOLAMINE	3L	2-30 PPM	63141-007			
17	TOLUENE	122	10-600PPM	63141-029			
18	CHLOROTHENE	135	100-500PPM	63141-025			
19	BUTYL ACETATE	142	0.01-0.8%		0	JUL-84	1
20	ISOPROPYL ETHER	161	0.04-1.0%				
21	BUTYL ESTERS	142	0.01-0.8%				

B. NO. OF DETECTOR TUBE PUMPS IN UNIT 1

C. LAST CALIBRATION DATE ON PUMPS SEP-82

D. IS DEPARTMENT DOING MONTHLY AUDIT NO

COMMENTS:

BRE 0417

DETECTOR TUBES

INSPECTION AND AUDIT

UNIT/AREA/BLDG. REACTION #1 DATE 1-18-83

INSPECTION BY Maria Gutierrez

A. CHECK THE FOLLOWING TUBES FOR EXPIRATION DATE

ITEM NO.	DESCRIPTION	TUBE NO.	MEASURABLE CONCEN-TRATION	STORE CODE NO.	QUANTITY EXPIRED BOXES	CLOSEST EXPIRATION DATE	BOXES LEFT COMMENTS
1	ACETALDEHYDE (FORMALDEHYDE)	91	2-20 PPM	63141-005			
2	ACETIC ACID	81	1-80 PPM	63141-003			
3	ACETIC ANHYDRIDE	81	.5-40 PPM	63141-003			
4	ACETONE	151	.01-2%	63141-023			
5	AMMONIA	3L	1-60 PPM	63141-007	0	MAR-83	1
6	BUTANE	104	50-1400PPM	63141-009	0	APR-83	1
7	CARBON MONOXIDE	ILL	5-50 PPM	63141-011	1	JAN-83	10
8	CHLORINE	8LA	.3-16 PPM	63141-013			
9	ETHYL ACETATE	141	.04-1.5%	63141-017	1	JAN-83	2
10	ETHYL ALCOHOL	112	.05-5%	63141-015			
11	FORMIC ACID	81	1-80 PPM	63141-003			
12	HYDROGEN SULFIDE	4LL	.5-60 PPM	63141-021	0	FEB-85	1
13	ISOPROPYL ACETATE	151	.05-0.75%	63141-023			
14	METHYL CHLOROFORM	135	100-500PPM	63141-025			
15	METHYL ETHYL KETONE	152	.02-0.6%	63141-027	0	Jul-85	3
16	MONOETHANOLAMINE	3L	2-30 PPM	63141-007			
17	TOLUENE	122	10-600PPM	63141-029			
18	CHLOROTHENE	135	100-500PPM	63141-025			
19	BUTYL ACETATE	142	0.01-0.8%				
20	ISOPROPYL ETHER	161	0.04-1.0%				
21	BUTYL ESTERS	142	0.01-0.8%				

B. NO. OF DETECTOR TUBE PUMPS IN UNIT 2

C. LAST CALIBRATION DATE ON PUMPS SEP-82

D. IS DEPARTMENT DOING MONTHLY AUDIT NO

COMMENTS:

BRE 0418

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