PLAINTIFF'S EXHIBIT

UC-1833

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

SHARE AUDIT PROCEDURE

DEPT. ENERGY/OXYGEN

DATE 1-18-83

	YES	NO
DEFICIENCY EXISTS	✓	

NAME OF PROCEDURE HEARING CONSERVATION, DETECTOR TUBES

REFERENCE? S+OH PROCEDURES MANUAL

NUMBER OF PERSONNEL INTERVIEWED: 6

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: Mario Gutierrez

APPROVED BY: K. G. Townsend

BRE 0290

HEARING PROTECTION

INSPECTION AND AUDIT

UNIT/AREA/BLDG. ENERGY DATE 1-11-83

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.	✓		
3. Noise signs legible.		✓	(2)
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

(1) THERE ARE NO SIGNS ON THE NORTH + EAST SIDES OF #6 BOILER.

(2) SIGNS ON SOUTH SIDE OF BLDG 261. ONE IS FADED AND THE OTHER IS MISSING

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NOISE

INSPECTION AND AUDIT

UNIT/AREA/BLDG ENERGY DATE 1-11-83

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?	✓		
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?	✓		
D. EQUIPMENT			
1. Is old noisy equipment insulated properly?	✓		
2. Is new equipment specified for<90 dB(A)?	✓		

BRE 0292

E. COMMENTS

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HEARING PROTECTION

INSPECTION AND AUDIT

UNIT/AREA/BLDG. O_2 BLDG - 364 DATE 1-11-83

INSPECTION BY _____

	YES	NO	SEE COMMENT
A. AREA AND EQUIPMENT REQUIREMENTS			
1. Are noise signs present if >90 dB(A)?	✓		
2. Noise signs easy to spot.		✓	(1)
3. Noise signs legible.	✓		
4. Ear plug boxes near signs.	✓		
5. Sufficient ear plugs in boxes.		✓	(2)
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) NEED A NOISE SIGN + EAR PLUG BOX ON EAST SIDE BY ROADWAY ENTRANCE. SIGNS ON WEST ENTRANCES ARE NOT AS SPECIFIED IN S+OH PROCEDURE MANUAL.

(2) BOX ON SOUTHWEST DOORWAY IS EMPTY

BRE 0294

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NOISE

INSPECTION AND AUDIT

UNIT/AREA/BLDG O2 BLDG - 364 DATE 1-11-83

INSPECTION BY Maria Martinez

	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?			
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?	✓		
D. EQUIPMENT			
1. Is old noisy equipment insulated properly?	✓		
2. Is new equipment specified for<90 dB(A)?	✓		

BRE 0295

E. COMMENTS

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DETECTOR TUBES

INSPECTION AND AUDIT

UNIT/AREA/BLDG. ENERGY 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	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			
6	BUTANE	104	50-1400PPM	63141-009			
7	CARBON MONOXIDE	ILL	5-50 PPM	63141-011	0	MAY-84	1 BX
8	CHLORINE	8LA	.3-16 PPM	63141-013			
9	ETHYL ACETATE	141	.04-1.5%	63141-017			
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			
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			
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 1

C. LAST CALIBRATION DATE ON PUMPS SEP-82

D. IS DEPARTMENT DOING MONTHLY AUDIT NO

COMMENTS:

BRE 0297