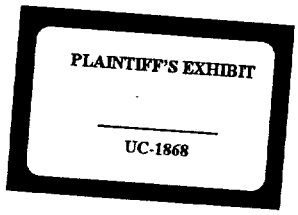
Copies to: 1. Operating Dept. Head
2. B. F. Brown
3. K. G. Townsend
4. J. L. Wyatt



SHARE AUDIT PROCEDURE

Dept. ENERGY/OXYGEN

Date 4/6/81

Deficiency Exists YES NO

Name of Procedure HEARING PROTECTION

Where is written reference found? S & OH MANUAL, VOL. 4

Number of Personnel Interviewed: 4

	YES	NO
a. Aware of procedure?	X	
b. Understand procedure?	X	
c. Follow procedure?	X	
d. If no, why not? Describe.		
e. Remember having received training in last one, two or three years? (Circle one)		
Up to date procedure in appropriate manual?	YES	NO
Any relation to A/I reports on procedure in last 6 months? (If appropriate)	YES	NO
Should existing procedure be modified? If YES, explain.	YES	NO
Should retraining and another audit be conducted?	YES	NO

If yes, when? in 12 months

BRE 0371

NOISE

INSPECTION AND AUDIT

UNIT/AREA/BLDG ENERGY DATE 4/6/81

INSPECTION BY Mario Gutierrez

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

BRE 0372

E. COMMENTS

(1) Computer recordkeeping will be implemented by the SHARE Department in late 1981.

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HEARING PROTECTION

INSPECTION AND AUDIT

UNIT/AREA/BLDG. ENERGY DATE 4/6/81

INSPECTION BY MARIO GUTIERREZ

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

C. COMMENTS

REPEATED DEFICIENCY (1) Need signs on north side of #6 boiler and west of #4 boiler.

(2) The sign on the north side of Bldg. 261 is broken.

REPEATED DEFICIENCY (3) Ear plugs are hard to find, the box inside Bldg. 261 is empty.

(4) Several Zachary workers were not wearing ear plugs.

BRE 0374

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NOISE

INSPECTION AND AUDIT

UNIT/AREA/BLDG OXYGEN/364 DATE 4/6/81

INSPECTION BY MARIO GUTIERREZ

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

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E. COMMENTS

(1) Only the MAC filter room has over 115 dB(A) but it will be shut down when the new Linde unit comes on stream.

(2) There are a few readings of over 100% but personal protection is being used.

(3) SHARE Department will start inputting data to computer at the end of 1981.

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HEARING PROTECTION

INSPECTION AND AUDIT

UNIT/AREA/BLDG. OXYGEN/364 DATE 4/6/81

INSPECTION BY MARIO GUTIERREZ

	YES	NO	SEE COMMENT
A. AREA AND EQUIPMENT REQUIREMENTS			
1. Are noise signs present if >90 dB(A)?	X		(1)
2. Noise signs easy to spot.		X	(1)
3. Noise signs legible.		X	(1)
4. Ear plug boxes near signs.		X	
5. Sufficient ear plugs in boxes.		X	(2)
6. Ear muffs available.	X		
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.	X		
2. Know of available hearing protection devices.	X		
3. Carry hearing protectors on their person.	X		
4. Are wearing protectors (if needed).		X	(3)
5. Are properly trained.		X	(3)

C. COMMENTS

REPEATED DEFICIENCY

(1) Not enough blue and white signs are being used; there are none on the east or west entrances until you are well into the noise area.

(2) There were no ear plugs in the northwest bay door. There are no ear plugs available on the east or south entrances.

(3) Several Zachary employees were not wearing ear plugs even those that had them hanging from their hard hats.

BRE 0377

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INTERNAL CORRESPONDENCE

UNION CARBIDE CORPORATION

P. O. BOX 3370, BROWNSVILLE, TEXAS 78520

COATINGS MATERIALS DIVISION

To (Name) R. E. Theisen
Company
Location

Date April 10, 1981
Originating Dept.
Answering letter date
Subject Energy/Oxygen Hearing Protection Audit

Copy to B. F. Brown
J. L. Wyatt

Dear Rudy:

The SHARE Department conducted an audit of Hearing Protection. Attached is a copy of the audit results.

Please take action to correct deficiencies, and notify SHARE Department when deficiencies are corrected.

Call me if you have any questions.

Very truly yours,

K. Gran Townsend

KGT/la
Attachments

BRE 0370