CertainTeed

Date	To	Location and mail code
10/7/83	O. H. Kittilstad	1125/4
	From	Location and mail code
	D. R. Hall/cv	2125/2B

Subject

Corporate Industrial Hygiene
Recommendation Status Report

PLAINTIFF'S EXHIBIT
CT-461

D. R Hall

Per your August 12, 1983; attached are Corporate Industrial Hygiene recommendations updates for the following P&PG and VBPD plant locations:

A/C

Hillsboro, TX 82-3
Riverside, CA

PVC

Cameron Park, CA
Eads, TN
McPherson Pipe, Blend and Vinyl, KS
McPherson Fab/I.M., KS
Social Circle, GA
Waco, TX

Polymer

Lake Charles, LA

VBPD

Hagerstown, MD

This report has been compiled from information presently on file and/or direct communications with plant personnel.

The next update will be forwarded to you by December 31, 1983. Should you have any questions, contact me.

Attachments

CTD016412

HILLSBORO A/C PIPE PLANT

Recommendations F/u

IHS, 5/80
IHS, 11/80
IHS, 1/81
IHS, 10/81
IHS, 1/82
IHS, 6/82

1. A slitted curtain should be added to the bag opener, where the bags enter the opener on the conveyor. (IHS 80-17, 11/80)

   Status: Curtain installed. (6/82)

   Status: There was no curtain. The curtain should be installed to help contain fiber should a mechanical problem develop on the ventilation system, whereby reducing the negative pressure. (IHS 82-16, 6/82)

   Recommendation revised in IHS 82-16, 6/82.

   Status: Curtain reinstalled, then removed. Because of air movement design velocity, installation of curtain causes vacuum to increase which in turn causes empty bags to be drawn upward. If the employee is quick enough, he can open the bag opener and manually push the bag down into the bag removal area. If not quick enough, the higher vacuum caused by the curtain's installation draws the bags up into the ductwork plugging the line, shutting off all air flow. The bag opener and air system must then be shut down and cleared.

   The design of the bag opener and air movement system did not include a curtain, thus the system was balanced without it. The problems caused by curtain installation actually cause higher potential exposure to the employee as the system must be cleared with the system off. The plant has no recorded high readings at the opening when the system is used as designed, without a curtain. Considered complete. (10/83, DRH)

2. All latches on the bag opener should be repaired and used by the mixer operator. (IHS 80-17, 11/80)

   Status: Latches installed and used. (6/82, DRH)

Status: The latches are in need of repair. These should be repaired to help contain fiber should a mechanical problem develop in the ventilation system, whereby reducing the negative pressure. (IHS 82-16, 6/82)

Recommendation revised in IHS 82-16, 6/82.

Status: Latches repaired and in use. Considered complete. (10/83, DRH)

3. Air silencers should be installed at the lathe lines. (IHS 80-17, 11/80)

Status: Project being worked on. (6/82, DRH)

Status: Incomplete. (IHS 82-16, 6/82)

Status: Sound screen R Pneumatic silencers, Lord Corp., Erie, PA, being purchased and installed on all air exhausts. (10/83, DRH)

4. A wall made of sound absorbant materials should be installed between #1 and #2 Boring Mill and/or an application of sound absorbing foam inside each mill. (IHS 80-17, 11/80)

Status: Project being worked on. (6/82, DRH)

Status: On April 5, 1982, a wall of styrofoam was temporarily installed, which reduced noise level by 1dB. The plant removed the wall. Although the noise level was only reduced by 1 dB, when installed, any reduction no matter how minor could be significant when the other equipment is also reduced by a small amount. The overall reduction could be substantial. A greater dB reduction could be obtained by increasing the height and size of the wall/barrier, and placing it on three sides of the mills instead of just between them. (IHS 82-16, 6/82)

Status: Assigned to engineering for design, cost, etc. (10/83, DRH)

5. A sound absorbant panel should be added to the Rework Saw Handle. This should be done to the Large Rework Saw if it is not replaced in the near future. (IHS 80-17, 11/80)

   Status: Not completed. Area designated as required hearing protection area; all personnel provided with and wear protectors. (6/82, DRH)

   Status: The entire Finishing Department has been designated and posted as a required hearing protection area. All the employees in the department were so protected. This is protecting the employee, but can only be used as a temporary measure. According to OSHA, everything feasible must be done to reduce noise levels by engineering or administrative means. Those attempts should be documented. If the efforts fail, only then is it permitted to substitute hearing protection as a solution. (IHS 82-16, 6/82)

   Status: Assigned to engineering for design, cost, etc. (10/83, DRH)

6. A sound absorbant foam should be applied to non-wearing surfaces at the Crusher including the hood at the entrance to the Crusher. (IHS 80-17, 11/80)

   Status: Under study. (6/82, DRH)

   Status: The Crusher Operator is required to wear hearing protection, although no notable reduction in the noise level has been made since the 1980 survey. (IHS 82-16, 6/82)

   Status: Assigned to engineering for design, cost, etc. (10/83, DRH)

7. An installation of sound absorbant barrier walls or curtains should be made throughout the Finishing/Fittings area. (IHS 80-17, 11/80)

   Status: Under study. (6/82, DRH)

   Status: The Finishing/Fittings area has been designated and posted as required hearing protection area with 100% participation by employees. An outside consultant, Lasgow Varga of Barts, Inc., visited the plant in April, 1982, and made some informal suggestions for noise reduction. No notable noise reductions have been made. (IHS 82-16, 6/82)

Status: Will be installing sound screen R pneumatic silencers on air exhausts to lower area noise. (10/83, DRH)

8. All brooms in all areas of the plant should be eliminated and alternate methods such as oilmops, vacuums and any wet-method should be used for cleanup. (IHS 80-17, 11/80)

Status: Oil mops and vacuums used for cleanup of dust and fiber. (6/82, DRH)

Status: Dry brooms were observed being used for cleanup in the Manufacturing Department. (IHS 82-16, 6/82)

Status: Department heads reminded not to use dry brooms. Considered complete. (10/83, DRH)

9. An engineering feasibility study should be made in the Finishing/Fittings Department to determine if engineering controls can be a cost effective benefit to the employees and to the plant. (IHS 82-3, 1/82)

Status: Control of what? Please specify. (6/82, DRH)

Status: Taken from the Industrial Hygiene Survey of January 11, 1982 for noise/ audiodosimetry. An outside consultant, Lasgow Varga of Barts, Inc. visited the plant in April, 1982, and made some informal suggestions for noise reduction. No notable noise reductions have been made. (IHS 82-16, 6/82)

Status: Will be installing soundscreen R pneumatic silencers on air exhaust to lower area noise. (10/83, DRH)

10. For accuracy in recordkeeping the plant's sampling data sheets be annotated as to whether closed or openface filters were used. Further, openface sampling should be done in the future as called for in P&CAM 239. (IHS 82-16, 6/82)

Status: Complied 8/25/82. Openface samples taken since. Considered complete. (10/83, DRH)

11. A written respirator program be established. (IHS 82-16, 6/82)

    Status: Plant has had a written respirator program since 7/2/79. It was not asked to be seen. Considered complete. (10/83 DRH)

12 A qualitative respirator fit test be made at least annually on each employee. (IHS 82-16, 6/82)

    Status: 3MFT02 Fit Test Kit purchased 9/82. Qualitative testing to be conducted annually at same time as annual audiometric testing. Considered complete. (10/83, DRH)

13. Noise abatement efforts be increased and all efforts documented. (IHS 82-16, 6/82)

    Status: As noted above (3, 4, 5, 6, 7, 9), steps are being taken. Furthermore, 12/1/82, all employees viewed slide-cassette program "Sound Advice". 10/82 B. Haigh attended Safety Association workshop "Sound Control and Hearing Conservation". Considered complete. (10/83, DRH)

SURVEY NUMBER=82-03

OBS	EMPLOYEE NAME	JOB POSITION	JOB_GRP	SMPL DATE	SRP	LOCATION	DEPT	SOCIAL SECURITY NUMBER	SAMPLER	SMPL NBR	SN START HOUR
533	RODRIGUEZ, SIMON	MATERIAL HANDLER		820111	PPG	MILLSBORO			RJN	1	9
534	HORNAK, ALBERT	INSPECTOR LINE #2		820111	PPG	MILLSBORO			RJN	2	9
535	WESTMORELAND, TOM	FINISHING SUPERVISOR		820111	PPG	MILLSBORO			RJN	3	9
536	SLOVAK, JOHN	SPINE MILL #2		820111	PPG	MILLSBORO			RJN	4	9
537	MILL, LLOYD	COUPLING CUTOFF		820111	PPG	MILLSBORO			RJN	5	9
538	BOSTON, WARNER	SM LATHE		820111	PPG	MILLSBORO			RJN	6	9
539	SHAW, LEON	FORKLIFT DRIVER		820111	PPG	MILLSBORO			RJN	7	9
540	MURPHY, PAT	MACHINIST		820111	PPG	MILLSBORO			RJN	8	9
541	STRICKLAND, RICHARD	FORKLIFT DRIVER (YARD)		820111	PPG	MILLSBORO			RJN	9	9
542	GUSTALA, RAY	TRUCK DRIVER-CEMENT UNLOADER		820111	PPG	MILLSBORO			RJN	10	9

OBS	START MIN	STOP HOUR	STOP MIN	DBA_TWA	WORE PROT	GT LT	SHIFT	SAMPLE METHOD	12 HOUR SHIFT	REM3	REM4	STRT_TM	STP_TM	TTLMIN
533	2	14	57	96.0	N		1ST	85		115 LED INDICATED		842	897	355
534	5	14	57	91.9	N		1ST	85				845	897	352
535	10	15	0	91.0	N		1ST	80		115 LED INDICATED		850	900	350
536	8	14	59	95.7	N		1ST	85				848	899	351
537	11	14	58	90.5	N		1ST	80				851	898	347
538	13	15	0	89.9	N		1ST	85				853	900	347
539	0	14	57	93.2	N		1ST	85				840	897	357
540	25	15	21	83.5			1ST	85				865	921	356
541	22	15	17	86.1	N		1ST	85				862	917	355
542	17	15	45	86.2			1ST	85				857	945	388

OBS	REM1	REM2	HOUR_SP	HOUR_ST	MIN_SP	MIN_ST
533	EXCEEDS 8-HOUR PEL (90DBA)	PROTECTION MANDATORY	14	9	57	02
534	EXCEEDS 8-HOUR PEL (90DBA)	PROTECTION MANDATORY	14	9	57	05
535	EXCEEDS 8-HOUR PEL (90DBA)	PROTECTION MANDATORY	15	9	00	10
536	EXCEEDS 8-HOUR PEL (90DBA)	PROTECTION MANDATORY	14	9	59	08
537	EXCEEDS 8-HOUR PEL (90DBA)	PROTECTION MANDATORY	14	9	58	11
538	EXCEEDS 8-HOUR ACTION LEVEL (85DBA)	BELOW 8-HOUR PEL (90DBA) - PROTECTION RECOMMENDED	15	9	00	13
539	EXCEEDS 8-HOUR PEL (90DBA)	PROTECTION MANDATORY	14	9	57	00
540	BELOW 8-HOUR ACTION LEVEL (85DBA)	NO PROTECTION NECESSARY	15	9	21	25
541	EXCEEDS 8-HOUR ACTION LEVEL (85DBA)	BELOW 8-HOUR PEL (90DBA) - PROTECTION RECOMMENDED	15	9	17	22
542	EXCEEDS 8-HOUR ACTION LEVEL (85DBA)	BELOW 8-HOUR PEL (90DBA) - PROTECTION RECOMMENDED	15	9	45	17

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