U.S. DEPARTMENT OF LABOR
BUREAU OF LABOR STANDARDS
Office of Occupational Safety
Room 601, 411 N. Akard Street
Dallas, Texas 75201

April 8, 1969

Mr. James M. Biorer, President
Pittsburg Corning Corporation
1 Gateway
Pittsburg, Pennsylvania

Dear Mr. Biorer:

A recent survey of your establishment revealed that certain conditions did not meet the Safety and Health Requirements of the Walsh-Healey Public Contracts Act.

The Act stipulates that "No part of such contract will be performed nor will any of the materials, supplies, articles or equipment to be manufactured or furnished under said contract, be manufactured or fabricated in any plants, buildings or surroundings or under working conditions which are unsanitary or hazardous or dangerous to the health and safety of the employees engaged in the performance of the contract."

Enclosed is a notice listing those unsatisfactory conditions found, and you should take corrective action immediately.

You are requested to notify me on or before the compliance date on the notice concerning action taken to correct the unsatisfactory conditions.

Sincerely yours,

Wendell R. Blair
Regional Director

Enclosure
cc: Mr. Charles Van Horne, Wks. Manager, Quontown, Texas

U.S. DEPARTMENT OF LABOR
BUREAU OF LABOR STANDARDS

NOTE: THIS DOCUMENT DID NOT COME FROM PPG FILES

NOTICE OF

SAFETY AND HEALTH VIOLATIONS

NAME OF FIRM				CONTRACT NUMBER
Pittsburg Corning Corporation				
STREET ADDRESS	CITY	COUNTY	STATE	ZIP
Box 3057 - Tyler, Texas	Owentown	Smith	Texas	75701

OFFICIALS CONTACTED - NAME AND TITLE	PLANT SURVEY MADE WITH	COMPLIANCE DATE
Charles E. Van Horne, Wks. Manager	Mr. Van Horne	
	REPORT FURNISHED TO: James H. Bierer, President	May 8, 19
	USDL SAFETY ENGINEER: M. Padilla, Industrial Hygienist	DATE OF SURVEY: 2/13/69

A SURVEY OF YOUR FACILITIES HAS REVEALED CONDITIONS WHICH DO NOT COMPLY WITH USDL SAFETY AND HEALTH REQUIREMENTS UNDER THE PUBLIC LAW CHECKED.

THE CONDITIONS ARE LISTED BELOW WITH REFERENCE TO CODES AND STANDARDS WHICH HAVE BEEN ADOPTED AS THE DEPARTMENT'S SAFETY AND HEALTH REQUIREMENTS.

THESE UNSATISFACTORY CONDITIONS MUST BE CORRECTED. PLEASE ADVISE REGIONAL DIRECTOR Wendell R. Blair ON OR BEFORE May 8, 1969 AS TO THE CORRECTIVE ACTION TAKEN.

- PUBLIC LAW - 74-846 WALSH-HEALEY PUBLIC CONTRACTS ACT
- PUBLIC LAW 89-286 MC NAMARA - O'HARA SERVICE CONTRACTS ACT
- PUBLIC LAW - 89-209 ARTS AND HUMANITIES ACT
- PUBLIC LAW 89-333 VOCATIONAL REHABILITATION ACT

NO.	CODE-STANDARD REFERENCE	CORRECTIONS REQUIRED
		UNSATISFACTORY CONDITIONS NOTED ON INDUSTRIAL HYGIENE SURVEY OF 2/13/69
		Process Area
1.	50-204.264	No certified first aiders. Ex: Recommend that several employees be trained so that each shift will have qualified personnel to take care of emergencies.
2.	50-204.275, Ind. Vent. ACGIH 5-98	Local exhaust ventilation not according to standards. — WHAT ARE THE STANDARDS? Ex: Local exhaust ventilation system was tested with the following findings: a. Grinder hood, 25-50 fpm at face. b. Feeder at material point of entry, 50 fpm. GG 1970 c. Scrap feeder at material point of entry, 50 fpm. d. Sewing ducts 500 fpm at face. Recommend that employer make a study of present local exhaust ventilatio with professional advice, to come up to standard. It is believed that present system is below the required capacity.
		(1) ACCORDING TO PAR. 50-204.275, IF AN EMPLOYEE IS WEARING AN APPROVED RESPIRATOR IN AN EMERGENCY SITUATION THE CO. IS NOT IN VIOLATION. OUR EMPLOYEES USE RESPIRATORS IN ALL DUST AREAS
		(2) I HAVE NO REFERENCE IN MY COPY OF THE WALSH-HEALEY PUBLIC CONTRACTS ACT (SECTION 1) OF SUGGESTED SUCTION VELOCITIES OR RATES.
		(1) ARRANGEMENTS WILL BE MADE [illegible]

BB 0008423

FILE COPY

PITTSBURGH CORNING CORPORATION

April 11, 1969

Mr. Wendell H. Blair, Regional Director
U. S. Department of Labor
[illegible] of Labor Standards
[illegible] of Occupational Safety
[illegible] 601
411 [illegible] Street
Dallas, Texas 75201

Subject: Letter of 4/3/69 to Mr. J. H. Sierer, President, Pittsburgh Corning Corporation.
Re: Survey Plant - Tyler, Texas - 2/13/69

Dear Mr. Blair:

The following action is being taken to correct the [illegible] conditions noted in the report dated February 13, 1969.

1. Safe Standard - Ref. 50-204.264.

All supervisory employees were enrolled in a first aid course given by the American Red Cross with the first session given 4-10-69. The course is to consist of three sessions and by 5-20-69 there will be fully qualified personnel on all shifts.

2. [illegible] - Ref. 50-204.275.

Pittsburgh Corning Corporation uses the [illegible] of [illegible] B. [illegible], M.D., Medical Director, PPG Industries, and his staff, to monitor its production facilities for compliance with A.C.G.I.H. threshold limits for dust concentrations. (See attachments II and III). In addition, the Industrial Hygiene Foundation conducts periodic dust measurements to ascertain the dust concentrations present. (See attachment I).

For those areas in which dust concentrations exceed the threshold limits, it is required, as a condition of employment, that each employee wear a Dust Foe 655 Respirator [illegible]-72020 approved by the U. S. Bureau of Mines.

6-6-19765

BB 0008424

2. [illegible] Standard (continued).

In reference to the sentence of your report where you state, "It is believed that the present system is below the required capacity", the dust count data do not support this belief. Pittsburgh Corning Corporation retains the services of Dr. [illegible] Corn, a consulting engineer and authority in the field of industrial hygiene and air pollution. Dr. Corn approves all new installations as well as any modifications of our dust collecting systems.

If you should need any additional information or there is need for additional surveys, please advise.

Yours very truly,

PITTSBURGH CORNING CORPORATION

Byrl H. Stout
Vice President of Manufacturing

Attach.
[illegible]

cc: Mr. John H. [illegible]
Dr. L. D. [illegible]
Mr. [illegible]
Mr. C. E. von [illegible]

MORTON CORN, PH.D., B. CH. E.
CONSULTING ENGINEER
310 BOWER HILL ROAD
PITTSBURGH, PENNSYLVANIA 15228

INDUSTRIAL HYGIENE
AIR POLLUTION

TELEPHONE
412 - 861 8237

May 1, 1969

Mr. Wendell R. Blair, Regional Director
U. S. Department of Labor
Bureau of Labor Standards
Office of Occupational Safety
Room 601
411 North Akard Street
Dallas, Texas 75201

Subject: Letter of 4/8/69 to Mr. J. H. Bierer, President, Pittsburgh Corning Corporation.
Re: Survey Plant - Tyler, Texas - 2/13/69

Dear Mr. Blair:

I am writing to clarify the letter from Byrl M. Stout, Vice President of Manufacturing, Pittsburgh Corning Corporation to you dated April 11, 1969.

I have been working with Pittsburgh Corning Central Engineering engineers on dust control in their Port Allegheny, Pennsylvania Works. The manufacturing operation in this plant is similar to that in the Tyler, Texas Plant. We are installing an entire ventilation system and dust collectors at Port Allegheny.

However, it should be noted that I have never visited or surveyed the Tyler, Texas Plant of this Corporation. I first saw the letter from Mr. Stout to you on April 28, 1969. At this time, Mr. Stout suggested that I visit the Tyler Plant and I have scheduled to do so on May 7, 1969. I also suggested that all the engineering skills which have been brought to bear on the Port Allegheny Plant dust control system will be focused on the Tyler Plant.

Sincerely yours,

Morton Corn, Ph.D.

cc: Doe B. Grant, M.D.
Byrl Stout

GC 19765

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APPENDIX B

DUCT VELOCITY DETERMINATIONS
(Primary Data and Calculations)

PITOT TUBE TRAVERSE
Duct 1 (17" Line)

In front of 40" feeder, Line #1, feeds from Lines 1, 2, 3 before blower.

Point	Position (inches from wall)	Velocity Pressure (VP) ("H_2O)	$\sqrt{VP}$	Air Velocity (fpm)
1	1/2	0.00	0.000	0
2	1 3/8	-0.04	-0.200	-801
3	2 1/2	0.16	0.400	1602
4	3 7/8	0.32	0.566	2267
5	5 3/4	0.44	0.663	2655
6	11 1/4	0.60	0.774	3100
7	13 1/8	0.58	0.762	3052
8	14 1/2	0.48	0.693	2775
9	15 3/8	0.20	0.447	1790
10	16 1/2	0.08	0.283	1133
	Totals		4.388	17573
	Averages		0.439	1757

Q = 2769 cfm

PITOT TUBE TRAVERSE
Duct 2 (5" Line)

VP Centerline = 0.02 "H_2O; V = 566 fpm

Q = 63 cfm

PITOT TUBE TRAVERSE
Duct 3 (6" Line)

Point	Position (inches from wall)	Velocity Pressure (VP) ("H_2O)	$\sqrt{VP}$	Air Velocity (fpm)
1	1/8	1.20	1.095	4385
2	1/2	1.15	1.072	4293
3	7/8	1.10	1.049	4201
4	1 3/8	0.80	0.894	3580
5	2	0.52	0.721	2888
6	4	0.00	0.000	0000
7	4 5/8	0.02	0.141	565
8	5 1/8	0.00	0.000	0000
9	5 1/2	0.00	0.000	0000
10	5 7/8	0.00	0.000	0000
	Totals		4.974	19913
	Averages		0.497	1991

Q = 391 cfm

PITOT TUBE TRAVERSE
Duct 4 (4" Diam)

Point	Position (inches from wall)	Velocity Pressure (VP) ("H_2O)	$\sqrt{VP}$	Air Velocity (fpm)
1	1/8	0.2	0.447	1790
2	1/2	0.2	0.447	1790
3	2	0.7	0.837	3352
	Totals		1.731	6932
	Averages		0.577	2311

Q = 202 cfm

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PITOT TUBE TRAVERSE
Duct 5 (12" Diam)

12" Duct, Line 1 + 2 main leading to 17" main

Point	Position (inches from wall)	Velocity Pressure (VP) ("H_2O)	VP	Air Velocity (fpm)
1	3/8	0.28	0.529	2119
2	1	0.34	0.583	2335
3	1 3/4	0.36	0.600	2403
4	2 3/4	0.36	0.600	2403
5	4 1/8	0.38	0.616	2467
6	7 7/8	0.40	0.632	2531
7	9 1/4	0.42	0.648	2595
8	10 1/4	0.44	0.663	2655
9	11	0.44	0.663	2655
10	11 5/8	0.40	0.632	2531
	Totals		6.168	24695
	Averages		0.617	2470

Q = 1940 cfm

66-1976)

PITOT TUBE TRAVERSE
Duct 6 (6" Diam)

Point	Position (inches from wall)	Velocity Pressure (VP) ("H_2O)	$\sqrt{VP}$	Air Velocity (fpm)
1	1/8	0.04	0.200	801
2	1/2	0.06	0.245	981
3	7/8	0.08	0.283	1133
4	1 3/8	0.10	0.316	1266
5	2	0.10	0.316	1266
6	4	0.06	0.245	981
7	4 5/8	0.06	0.245	981
8	5 1/8	0.04	0.200	801
9	5 1/2	0.02	0.141	565
10	5 7/8	0.02	0.141	565
	Totals		2.333	9339
	Averages		0.233	934

Q = 183 cfm

GG 19770

PITOT TUBE TRAVERSE
Duct 7 (6" Diam)

Point	Position (inches from wall)	Velocity Pressure (VP) ("H_2O)	$\sqrt{VP}$	Air Velocity (fpm)
1	1/8	1.12	1.058	4237
2	1/2	1.26	1.122	4494
3	7/8	1.26	1.122	4494
4	1 3/8	1.28	1.131	4530
5	2	1.26	1.122	4494
6	4	1.32	1.149	4602
7	4 5/8	1.34	1.158	4638
8	5 1/8	1.30	1.140	4566
9	5 1/2	1.22	1.105	4426
10	5 7/8	1.08	1.039	4161
	Totals		11.148	44640
	Averages		1.115	4464

Q = 877 cfm

PITOT TUBE TRAVERSE
Duct 8 (11" Diam)

Point	Position (inches from wall)	Velocity Pressure (VP) ("H_2O)	$\sqrt{VP}$	Air Velocity (fpm)
1	1/4	0.24	0.490	1962
2	7/8	0.28	0.529	2119
3	1 5/8	0.32	0.566	2267
4	2 1/2	0.34	0.583	2335
5	3 3/4	0.38	0.616	2467
6	7 1/4	0.42	0.648	2595
7	8 1/2	0.42	0.648	2595
8	9 3/8	0.40	0.632	2531
9	10 1/8	0.86	0.927	3713
10	10 3/4	0.78	0.883	3536
	Totals		6.523	26121
	Averages		0.652	2612

Q = 1724 cfm

PITOT TUBE TRAVERSE

17" Duct in Saw Area: Main Duct into Dust Collector

Point	Position (inches from wall)	Velocity Pressure (VP) ("H_2O)	$\sqrt{VP}$	Air Velocity (fpm)
1	1/2	0.44	0.663	2655
2	1 3/8	0.46	0.678	2715
3	2 1/2	0.68	0.825	3304
4	3 7/8	0.74	0.860	3444
5	5 3/4	0.80	0.894	3580
6	11 1/4	0.82	0.906	3629
7	13 1/8	0.70	0.837	3352
8	14 1/2	0.66	0.812	3252
9	15 5/8	0.72	0.849	3400
10	16 1/2	0.48	0.693	2775
	Totals		8.017	32108
	Averages		0.802	3211

Q = 5061 cfm

GG 19[illegible]

PITOT TUBE TRAVERSE

10" Duct into Block Dust Collector

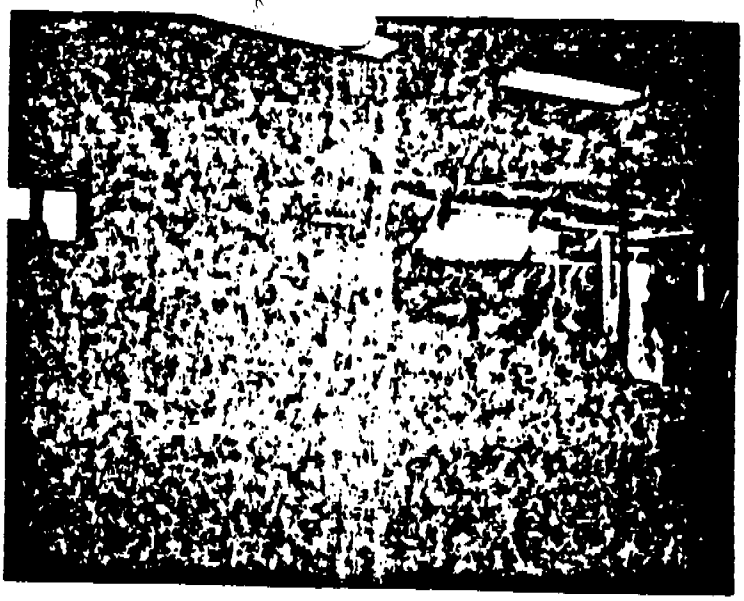
Point	Position (inches from wall)	Velocity Pressure (VP) ("H_2O)	$-\sqrt{VP}$	Air Velocity (fpm)
1	1/4	1.66	1.288	5158
2	7/8	1.66	1.288	5158
3	1 1/2	1.50	1.225	4906
4	2 1/4	1.40	1.183	4738
5	3 3/8	1.26	1.122	4494
6	6 5/8	0.74	0.860	3444
7	7 3/4	0.70	0.837	3352
8	8 1/2	0.70	0.837	3352
9	9 1/8	0.82	0.906	3629
10	9 3/4	0.84	0.917	3673
	Totals		10.463	41904
	Averages		1.046	4190

Q = 2285 cfm

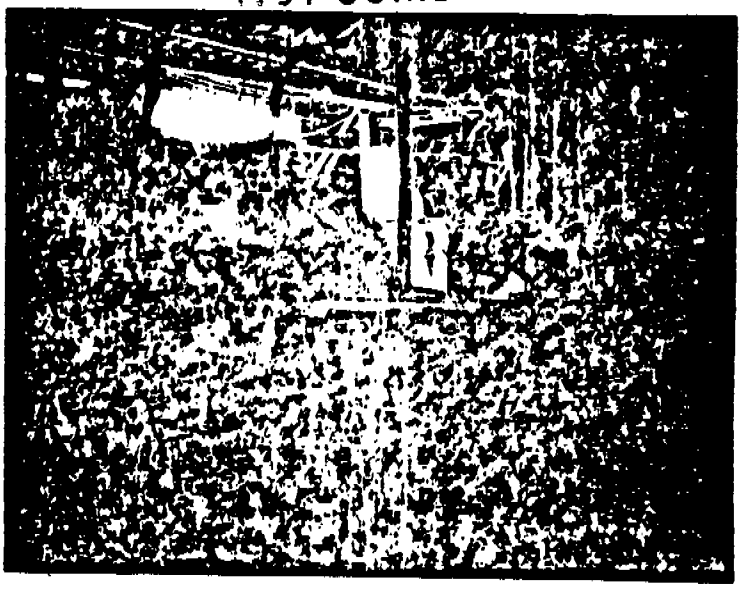
GG 19774

APPENDIX C

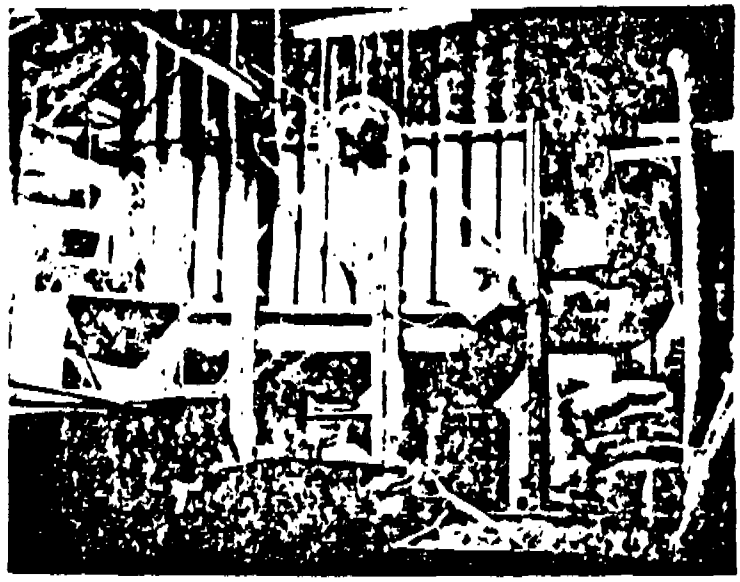
PHOTOGRAPHS OF SELECTED PLANT OPERATIONS.



Lines 1 and 2 Feeders Showing Method of Emptying Bag

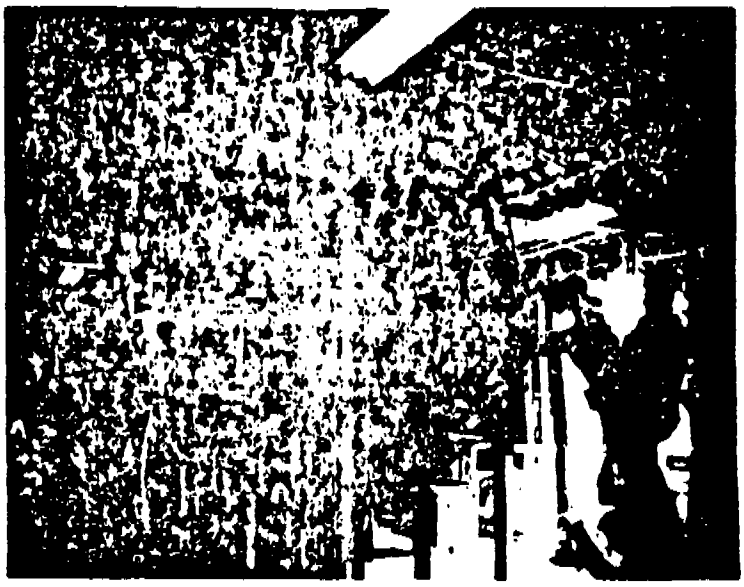


Line 2 Feeders and Bag Collector (Note Cart for Scrap Feed)



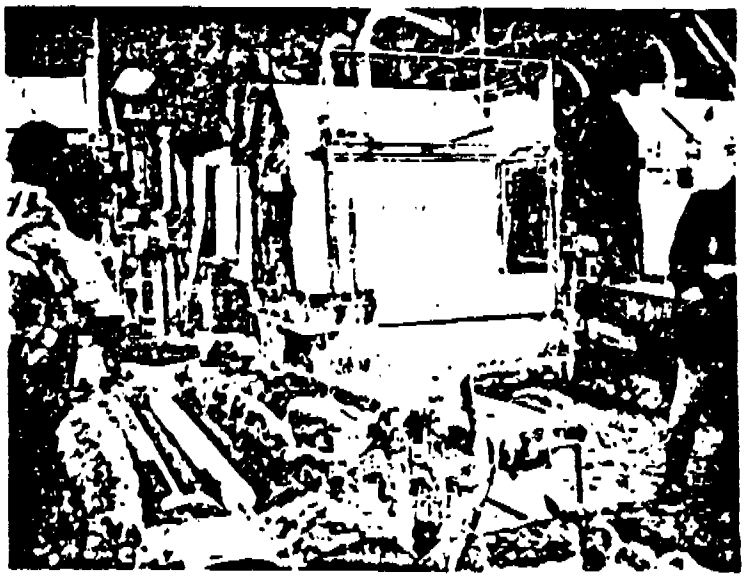
Close up of scrap feed and bag collector (Line 2) note axial fans directed at carts and feeder hoods.

Scrap cutter hood and dust collector

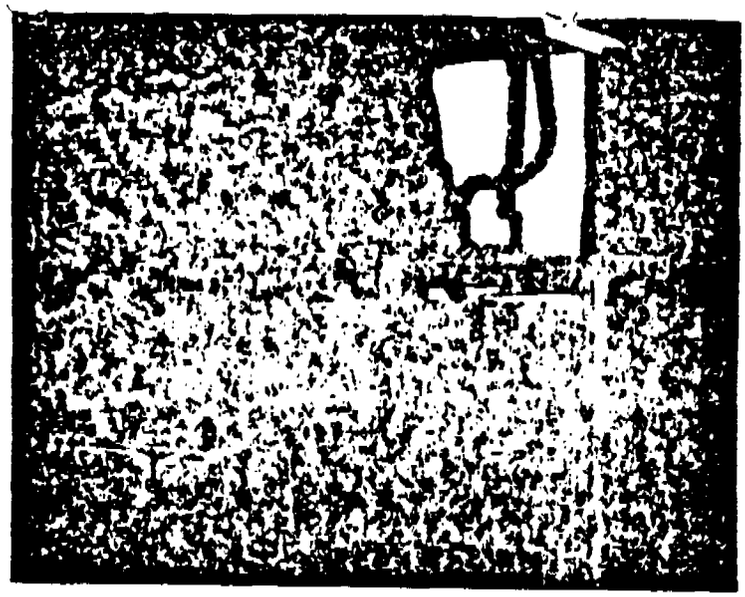


Dust collector for scrap hood and feeders (Line 1-3), showing scrap hood entry closest to blower intake.

NOTE: THIS DOCUMENT DID NOT COME FROM PPG FILES



Builder on Line No. 2



Large cutting saw showing hoods

NOTE: THIS DOCUMENT DID NOT COME FROM PPG FILES

Cutting area dust collector and two saws with attached hoods

GC 19779

Cutting saw, dust collector and blower (close up)

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