



GEORGIA-PACIFIC

INTERDEPARTMENTAL COMMUNICATION

DATE: October 27, 1972

TO: Mr. E. B. Hollingsworth

LOCATION: Wilmington

FROM: J. D. Rauch

LOCATION: Akron

SUBJECT: STATE NOISE AND DUST SURVEY

cc: Mr. John DiLorenzo - Portland
Mr. C. W. Lehnert - Tigard R & D

On 8/18, 9/13, and 9/20/72 we had a New York State Inspector here for dust and noise testing in our Joint System and Plaster Packing Departments. This survey was conducted at the request of the New York State Factory Safety Inspector.

I have attached a copy of their results. As you can see we have no problem with the noise level in either department or the dust level in the Plaster Packing Department. However, they have reported excessive asbestos dust in the Joint System area. The State's Recommendations appear on page 4 of the report.

As you know, Mr. DiLorenzo's office is actively engaged in work to correct this problem. However, we must now submit plans to the State for approval prior to installation.

At this time this is only a recommendation and not a citation, so there is no time limit or fine involved.

But, the State of New York is making O.S.H.A. inspections for 1972, so this will no doubt end up in an O.S.H.A. file somewhere. I believe it would be to our best interest to file our plans to correct this matter as soon as possible. This may avoid a future problem should O.S.H.A. decide to check into this matter.


J. D. R.

att.

k

PLAINTIFF'S EXHIBIT

GP-2037

SGP 0006518

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF INDUSTRIAL SAFETY SERVICE
BUREAU OF FACTORIES AND MERCANTILE ESTABLISHMENTS



Longia Pacific Corp
Bloomington Road
Town of Newstead N.Y. (Akm 14001)

NOTICE OF VIOLATION AND ORDER TO COMPLY

DATE *10/27/72*

OCCUPANCY *Factory*

NOTICE TO BUILDING:
TENANT ☐ OWNER ☒ AGENT ☐ LESSEE ☐

REFER
TO

CAPTION: *W/W - SPEC - 16-7-2*
PREMISES: *FED ID# 46001-00-30-014*

Bloomington Road
Town of Newstead, N.Y. (Akm 14001)

You are hereby ordered to comply with the following requirements of the Labor Law and the Industrial Code Rules at the above premises. These requirements must be complied with IMMEDIATELY unless otherwise specified herein.

Item #32 - Sec. 200.1 - Now null & void as result of N.Y. State Div. of
57.5-1(M) Industrial Hygiene investigation 4/13-20/72 - report
DEF 129-72. Copy of report attached for Dept of Interior.

As a result of the investigation by the N.Y. State Dept. of Labor
Div. of Ind. Hyg. Div. the following order is issued:

Item #1 - CR 12-1.6 (a)(3) Reconstruct system of local exhaust
system provided to remove or control dangerous
air contaminants generated or released by mixing
operations involving asbestos in the Joint System
Operations.

File plans & specifications in triplicate for approval as
required by Rules 18.5 and do not install, change or alter
any machinery or apparatus for any of the purpose
specified herein until the plans are approved by the
Dept. of Labor. Please submit plans in triplicate to
the N.Y. State Dept. of Labor, Div. of Ind. Hyg. - 2447 Providence Ave
Longwood N.Y. 14150

Requirements explained to

Title:

Jack Kousch
Asst. Mgr.

INSPECTOR
FOR THE COMMISSIONER

Wm J Ward

NOTE "Se-" refers to section of the Labor Law, "C" refers to the Industrial Code Rules; "R" refers to Title 12 of the Official Compilation of Codes, Rules and Regulations of the State of New York. An asterisk "*" indicates that the order is based on requirements of the State Building Construction Code or the standards accepted thereunder.

SEE REVERSE FOR THE ADDRESSES OF THE DIVISION

SOUND PROFILE LEVEL SURVEY

1. SOUND LEVEL in Decibels re 0.0002 dynes per sq. cm.

LOCATION - OPERATION	WEIGHTING NETWORKS 20,20,0,30 cps (Hz)		PREFERRED CENTER FREQUENCIES (Hz)									
	dBA	dBC	63	125	250	500	1000	2000	4000			
TANT SYSTEMS - BUILDING 230												
DRY MIX AREA - BAGGING												
1. STAFFERS PACKER WORK STATION	82	89	83	83	81	80	76	72	73			
" " " "	93	94										
" " " "	79	87	85	83	79	76	74	70	69			
" " " "												
- MIXING												
14. MIX HOPPER AREA - VIBRATING												
SIGNS ON HOPPER FEED	89	94	86	85	80	78	82	85	78			
15. AS AREA STARTS AFTER 15 MINUTE												
OF FIVE 2-MINUTE BATCH OPERATIONS.	94	101										

REMARKS: ONE SECOND DURATION EVERY 30 SECONDS (AVERAGE)

DUE TO AIR RELEASE NOISE - DURING BAG

FILLING

* A BACKGROUND

* X INTERMITTENT OPERATION; BATCH OPERATION

OPERATOR REMAINS AWAY FROM AREA AFTER

ASSIGNMENT NO.

S. W. C. B. CASE NO.

6. DATE OF VISIT

REF-129-72

8/12/72

NAME OF ESTABLISHMENT

GEORGIA PACIFIC CORPORATION

ADDRESS OF ESTABLISHMENT

BLOOMINGDALE ROAD TN OF NEWSTOWN 14001

CLAIMANT NAME

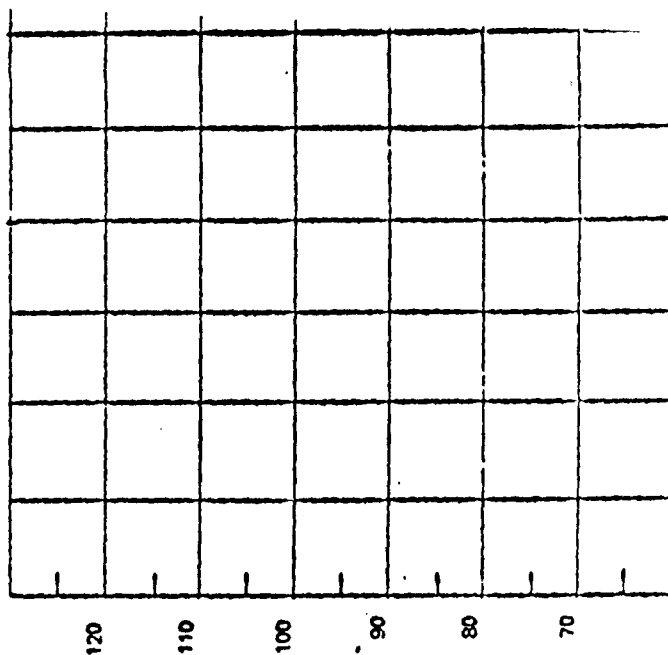
11. INSTRUMENTS USED

ENGINEER

BEK 2203/1613

A. J. BRUNATTE

Decibels



3. FREQUENCY OF PULSE (Hz)



GEORGIA-PACIFIC

INTERDEPARTMENTAL COMMUNICATION

DATE: October 27, 1972

TO: Mr. E. B. Hollingsworth

LOCATION: Wilmington

FROM: J. D. Rauch

LOCATION: Akron

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cc: Mr. John DiLorenzo - Portland
Mr. C. W. Lehnert - Tigard R & D

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I have attached a copy of their results. As you can see we have no problem with the noise level in either department or the dust level in the Plaster Packing Department. However, they have reported excessive asbestos dust in the Joint System area. The State's Recommendations appear on page 4 of the report.

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But, the State of New York is making O.S.H.A. inspections for 1972, so this will no doubt end up in an O.S.H.A. file somewhere. I believe it would be to our best interest to file our plans to correct this matter as soon as possible. This may avoid a future problem should O.S.H.A. decide to check into this matter.



J. D. R.

att.

k

SGP 0006521

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION of INDUSTRIAL SAFETY SERVICE
BUREAU OF FACTORIES AND MERCANTILE ESTABLISHMENTS



Penegia Pacific Corp
Bloomington Road
Tn of Newstead N.Y. (Akm 14001)

NOTICE OF VIOLATION AND ORDER TO COMPLY

DATE *10/27/72*

OCCUPANCY *Factory*

NOTICE TO BUILDING
TENANT ☐ OWNER ☒ AGENT ☐ LESSEE ☐

REFER TO { CAPTION *WtW - SPEC - 16-7-2*
PREMISES *FED ID# 46001-00-30-014*
Bloomington Road
Tn of Newstead, N.Y. (Akm 14001)

You are hereby ordered to comply with the following requirements of the Labor Law and the Industrial Code Rules at the above premises. These requirements must be complied with IMMEDIATE unless otherwise specified herein.

Item #32 - See 2001 - New rule & code as result of N.Y. State Div of
57.5 (M) Industrial Hygiene investigation 9/13-20/72 - report
DEF 129-72. Copy of report attached for Dept of Labor.

As a result of the investigation by the N.Y. State Dept of Labor
Div of Ind. Hyg Div the following order is issued.

Item #7 - CR 12-1.6 (a)(2) Reconstruct system of local exhaust
system provided to remove or control dangerous
air contaminants generated or released by mixing
operations involving asbestos in the Joint System
Operations.

File plans & specifications in triplicate for approval as
required by Rules 8.5 and do not install, change or alter
any machinery or apparatus for any of the purposes
specified herein until the plans are approved by the
Dept of Labor. Please submit plans in triplicate to
the N.Y. Dept of Labor, Div of Ind Hyg - 2447 Sheridan
Avenue, New York, N.Y. 10028

Requirements explained to

Jack Rausch
Asst. Mgr

Wm J Ward
INSPECTOR

FOR THE COMMISSIONER

NOTE "Sec" refers to section of the Labor Law; "C" refers to the Industrial Code Rules; "R" refers to Title 12 of the Official Compilation of Codes, Rules and Regulations of the State of New York. An asterisk "*" indicates that the order is based on requirements of the State Building Construction Code or the standards accepted thereunder.

SEE REVERSE FOR THE ADDRESSES OF THE DIVISION

SGP 0006522

DIVISION OF INDUSTRIAL HYGIENE
REPORT ON FIELD INVESTIGATION

TO: DIVISION OF INDUSTRIAL SAFETY SERVICE, BUREAU OF ☒ F&M ☐ CONSTRUCTION ☐ BOILERS

ATTN: CHIEF, Mr. T. Beaudett

SUPV. INSP. Mr. P. Elert

DISTRICT 11

1. FIRM NAME <u>Buffalo Drywall Co.</u>	2. DATE OF REPORT <u>10/11/72</u>	3. DATE OF VISIT <u>9/10, 9/13 & 9/20/72</u>	4. DATE OF REQUEST <u>8/22/72</u>
5. ADDRESS <u>1000 E. 1st St., Buffalo, N.Y. 14201</u>	6. I.H. ASST. NO. <u>100-122-71</u>		7. B.S.A. FILE NO.
8. INVESTIGATED BY <u>Mr. T. Beaudett, Ind. Hygiene Engineer</u>		9. OFFICIAL(S) INTERVIEWED <u>Mr. Edward Foley, Office Manager</u> <u>Mr. William Warner, Plant Engineer</u>	
10. REPORT			

In accordance with your request, the above firm was visited to investigate possible dust and noise resulting from the Joint Systems operations, possible air contaminants resulting from P & S operations, and possible exposure to excessive asbestos from the Joint Systems operations.

I. GENERAL JOINT SYSTEMS CONDITIONS, BUILDING 200

The workroom, which measures about 120' X 60' X (25' to 40') high, is located on the east end of a large masonry and steel building. The east wall of the workroom contains a large sliding door, a man-door, and 3 openable windows. There are 2 openings in the west wall which lead to the warehouse area. The north and south walls are also open. General mechanical ventilation is provided by a 30" diameter exhaust fan in the east wall at a height of 10'. Additional ventilation is provided by 2 ground level ventilators.

MATERIALS AND OPERATIONS

The dry mix joint compound for wallboard is prepared in a 40' X 60' area located in the northeast corner of the workroom.

The process involves the preparation of about sixteen 4000 pound dry mixes during the 8 hour day shift. Each mix is comprised of 75% or more limestone with amounts of sand ranging from 220 to 320 pounds and mica up to 640 pounds, depending on the product required. Minor amounts of other materials are also included.

Except for the limestone which is added from enclosed bins, two mixers load the other ingredients into a waist high 5' X 7' hopper. The crysolite asbestos, contained in 10 lb. bags, and the mica, in 50 lb. bags, are dropped on bag slammers in the hopper. The sand is dropped, and the empty paper bags removed from the area. A weighing scale is used to transfer the material to an enclosed conveyor. The hopper is provided with a chute at a height of 30" at one end and 40" at the other end, and is partially enclosed.

The subsequent operations, conducted in closed systems, include a ribbon mixer, back to back, and a St. Regis packer. The mixer and elevators are provided with local dust systems.

The St. Regis equipment automatically fills multiwall bags with the correct weight of product material. A packer operator slips a pasted-valve tuck-in-sleeve bag over a fixed spout, one of three such outlets. The filled bag is dropped on a horizontal conveyor which slides the bags at waist height to a stacker operator. The stacker operator, located about 10' above the loading station, removes the bags from the conveyor and loads them on pallets. The pallets, when filled, are transported to the warehouse by a fork lift truck operator. About 1,500 bags are produced during an 8 hour shift.

The aforementioned mixing operations are provided with an alternate duct system which directs the material to the wet mixing area in the southwest corner of the workroom. There, a further enclosed mixing with the addition of water yields a paste product. This product is loaded into either 5 gallon or 1 gallon cans, the covers crimped, and the cans palletized for warehousing. Four men are usually assigned to this area.

FAIR AND OBSERVATIONS

It was noted that noise in the workroom was most evident in the mix preparation area (vibrating screen in the hopper) and at the dry mix filling station (St. Regis packer and adjacent auxiliary equipment). Noise level measurements were obtained in these areas and are noted on the attached Sound Pressure Level Survey form.

II. PLASTER OPERATIONS, BUILDING 212

PLASTER, EQUIPMENT AND OPERATIONS

The plaster operations are conducted in a three story corrugated steel structure, Building 212. The upper floors of the building are relegated to the storage, mixing, and bagging of materials to produce the plaster mix, which is essentially gypsum. The first floor is used for product bagging and shipping.

The above operations are conducted by a four man crew about 4 hours per day, once or twice a week, producing about 400 tons per month of bagged material. Before the advent of dry wall and wallboard, 12,000 tons per month were produced at this facility.

The mixing and conveying operations on the upper floors are conducted in essentially closed systems. The multi-wall bagging operations take place on the first floor. Bates bag loading machines automatically fill the bags to the desired weight. At the No. 1 Bates Packer, two workers pack 80 pounds of molding plaster into side opening bags. The filled bags are manually placed on hand trucks and removed to a shipping area. At the No. 2 Bates Packer, lightweight plaster is bagged by one worker. The bagged product is conveyed to the adjacent shipping area.

FAIR AND OBSERVATIONS

It was noted that dust was only evolved at the bagging operations.

Air tests were taken in the breathing zone of the workers while conducting bagging operations. The concentration of dust was found to be 35 MFPCF at the No. 1 Bates Packer, 7 MFPCF at the No. 2 Bates Packer. Analysis of lodge dust in both packer areas disclosed a silica content of less than 5%.

No local exhaust ventilation is provided for the Bates Packers. Workers at the No. 1 unit wear cartridge type dust respirators; the No. 2 unit operator did not wear any protective equipment.

III. ASBESTOS EXPOSURE - JOINT SYSTEMS OPERATIONS

1. ROOM, EQUIPMENT AND OPERATIONS

The workroom, equipment, and operations are described in Section I. of this report.

2. TESTS AND OBSERVATIONS

Air tests were taken in the breathing zone of the workers during joint systems dry mix operations. The following results were obtained:

<u>Sample Location, Breathing Zone</u>	<u>Asbestos Concentration</u>
1. Packer	41 fibers/ml (greater than 5 microns in length)
2. Stacker	17 fibers/ml (" " 5 " " ")
3. Mixerman	26 fibers/ml (" " 5 " " ")

In addition, general air samples were taken at two locations in the dry mix area. The concentration of asbestos was found to be 31 fibers/ml (greater than 5 microns in length) at a point about 20' west of the packer and 12' northwest of the stacker. The concentration of asbestos was found to be 26 fibers/ml (greater than 5 microns in length) adjacent to the mix hopper (mixerman's work station). The latter test was taken when no mix preparation was being done.

It was noted that the mixerman wore respirators during the actual mixing operations. Neither the packer nor the stacker wore respirators. It was stated that the packer and the stacker switch jobs about every 350 bags of production.

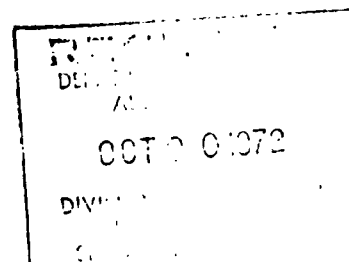
The floors, equipment, ledge surfaces, etc. in the 40' X 60' dry mix working area were covered with dust. The dust layer was constantly being built up during the various unit operations, primarily from the heavy concentration of dust generated by the bag filling operation.

CONCLUSIONS

1. Exposure to noise resulting from the Joint Systems operations, as performed at the time of the visit, would not tend to be detrimental to the hearing of the workers.
2. The F & S Building 212 operations, as performed at the time of the visit, would not tend to be hazardous to the health of the workers.
3. Exposure to asbestos from the Joint Systems operations would be hazardous to the health of the workers in the dry mix area.

RECOMMENDATIONS

Re items 1 and 2 above - none.



Item 3 above - That the exhaust system for the mix hopper be redesigned and reconstructed so that sufficient local exhaust ventilation be provided for the worker, both in accordance with 19 MCHS 12 and 12 MCHS 10. That plans for the same be submitted in triplicate to this Division prior to installation.

AJH:CCJ
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Albert J. Fosco, M.D.
Industrial Hygiene Physician II

SOUND PRESSURE LEVEL SURVEY

1. SOUND LEVEL in Decibels re 0.0002 dynes per sq. cm.

LOCATION - OPERATION	WEIGHTING NETWORKS 20-20,000 cps (Hz)		PREFERRED CENTER FREQUENCIES, cycles per second (Hz)									
	dBA	dBC	63	125	250	500	1000	2000	4000	8000		
JOINT SYSTEMS - BUILDING 230												
DRY MIX AREA - BAGGING												
1. ST. REEFS PACKER WORK STATION	82	89	83	83	81	80	76	72	73	72		
* 2. " " "	93	94										
* 3. " " "	79	87	85	83	79	76	74	70	69	66		
- MIXING												
* 4. MIX HOPPER AREA - VIBRATING												
SCREEN ON HOPPER FEED	89	94	86	85	80	78	82	85	78	76		
* 5. AS ABOVE, STARTS AFTER 15 MINUTE												
OF TWO 20 MINUTE BATCH OPERATIONS.	94	101										

REMARKS:

* ONE SECOND DURATION EVERY 30 SECONDS (AVERAGE)
DUE TO AIR RELEASE NOISE - DURING BAG
FILLING

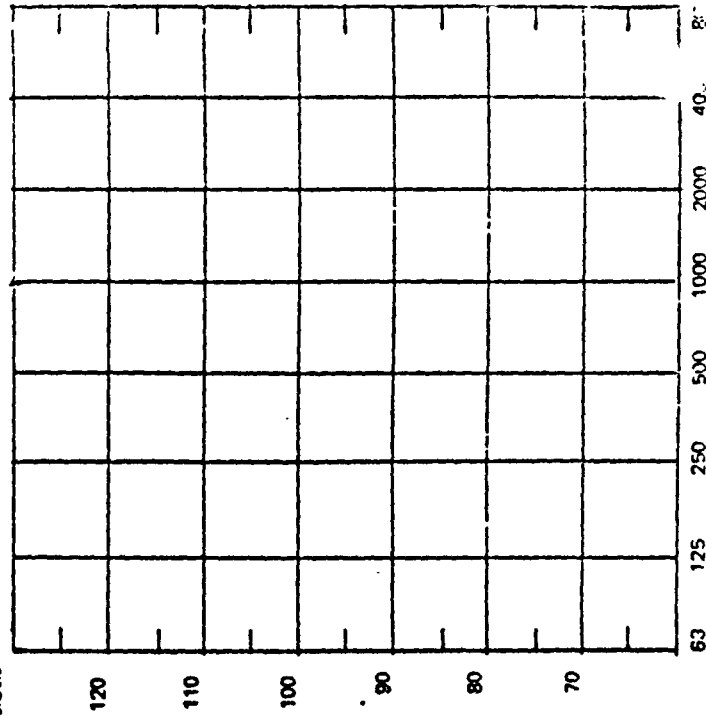
** BACKGROUND

*** INTERMITTENT OPERATION, BATCH OPERATION
OPERATING REMAINS AWAY FROM AREA AFTER
STARTING VIBRATION

4. ASSIGNMENT NO. BEF-129-72	5. W. C. B. CASE NO.	6. DATE OF VISIT 8/12/72
7. NAME OF ESTABLISHMENT GEORGIA PACIFIC CORPORATION		
8. ADDRESS OF ESTABLISHMENT BLOOMINGDALE ROAD IN OF NEWSTEAD 14001		
9. CLAIMANT NAME ALTA BRUNOTTE		10. INSTRUMENTS USED BEK 2203/1613

SGP 0006527

Decibels



cycles per second (Hz)

REPORT ON FIELD INVESTIGATION

TO: DIVISION OF INDUSTRIAL SAFETY SERVICE, BUREAU OF ☒ F&M ☐ CONSTRUCTION ☐ BOILERS

ATTN: CHIEF INSP. E. T. Doaudott

SUPV. INSP. E. P. Elort

DISTRICT 14

1. FIRM NAME Georgia Pacific Corporation	2. DATE OF REPORT 10/11/72	3. DATE OF VISIT 8/13, 9/13 & 9/20/72	4. DATE OF RECEIPT 3/30/72
5. ADDRESS 1200 S. Main Road, Town of Newstead 14001	6. I.H. ASSGT. NO. 100-120-72		7. U.S.A. PET. NO.
8. INVESTIGATED BY Norman Ramotte, Ind. Hygiene Engineer	9. OFFICIAL(S) INTERVIEWED Mr. Edward Foley, Office Manager Mr. William Hammer, Plant Engineer		
10. REPORT			

In accordance with your request, the above firm was visited to investigate possible excessive noise resulting from the Joint Systems operations, possible air contaminants resulting from P & S operations, and possible exposure to excessive asbestos from the Joint Systems operations

I. NOISE IN THE JOINT SYSTEMS OPERATIONS, BUILDING 230WORKROOM

The workroom, which measures about 120' X 60' X (25' to 40') high, is located on the east end of a large masonry and steel building. The east wall of the workroom contains a large sliding door, a man-door, and 3 operable windows. There are 2 openings in the west wall which lead to the warehouse area. The north and south walls contain openings. General mechanical ventilation is provided by a 30" diameter exhaust fan mounted in the east wall at a height of 10'. Additional ventilation is provided by 2 gravity roof ventilators.

EXHAUST AND OPERATIONS

The dry mix joint compound for wallboard is prepared in a 40' X 60' area located in the northeast corner of the workroom.

The process involves the preparation of about sixteen 1000 pound dry mixes during the 8 hour day shift. Each mix is comprised of 75% or more limestone with amounts of asbestos ranging from 220 to 320 pounds and mica up to 640 pounds, depending on the product specified. Minor amounts of other materials are also included.

Except for the limestone which is added from enclosed bins, the mixtures and the other ingredients into a waist high 5' X 7' hopper. The crystalline asbestos, contained in 100 lb. bags, and the mica, in 50 lb. bags, are dropped on bag stretchers in the hopper the contents dumped, and the empty paper bags removed from the area. A vibrating screen empties the hopper to an enclosed conveyor. The hopper is provided with a canopy hood at a height of 30" at one end and 40" at the other end, and is partially enclosed.

The subsequent operations, conducted in closed systems, include a ribbon mixer, bucket elevators, and a St. Regis packer. The mixer and elevators are provided with local exhaust systems.

SGP 0006528

OCT 18 1972

The St. Regis equipment automatically fills multiwall bags with the correct weight of product material. A packer operator slips a pasted-valve tuck-in-sleeve bag over a feed spout, one of three such outlets. The filled bag is dropped on a horizontal conveyor which carries the bags at waist height to a stacker operator. The stacker operator, located about 15' from the loading station, removes the bags from the conveyor and loads them on pallets. The pallets, when filled, are transported to the warehouse by a fork lift truck operator. About 2500 bags are produced during an 8 hour shift.

The aforementioned mixing operations are provided with an alternate dust system which directs the material to the wet mixing area in the southwest corner of the workroom. There is further enclosed mixing with the addition of water yields a paste product. This product is loaded into either 5 gallon or 1 gallon cans, the covers crimped, and the cans palletized for warehousing. Four men are usually assigned to this area.

TESTS AND OBSERVATIONS

It was noted that noise in the workroom was most evident in the mix preparation area (vibrating screen in the hopper) and at the dry mix filling station (St. Regis packer and adjacent auxiliary equipment). Noise level measurements were obtained in these areas and are noted on the attached Sound Pressure Level Survey form.

II. P & S OPERATIONS, BUILDING 212

NO. 212, EQUIPMENT AND OPERATIONS

The plaster operations are conducted in a three story corrugated steel structure, Building 212. The upper floors of the building are relegated to the storage, mixing, and conveying of materials to produce the plaster mix, which is essentially gypsum. The first floor is used for product bagging and shipping.

The above operations are conducted by a four man crew about 4 hours per day, once or twice a week, producing about 400 tons per month of bagged material. Before the advent of dry wall and wallboard, 12,000 tons per month were produced at this facility.

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TESTS AND OBSERVATIONS

SGP 0006529

It was noted that dust was only evolved at the bagging operations.

Air tests were taken in the breathing zone of the workers while conducting bagging operations. The concentration of dust was found to be 35 MPPCF at the No. 1 Bates Packer, 7 MPPCF at the No. 3 Bates Packer. Analysis of lodge dust in both packer areas disclosed a free silica content of less than 5%.

No local exhaust ventilation is provided for the Bates Packers. Workers at the No. 1 unit wore cartridge type dust respirators; the No. 3 unit operator did not wear any respiratory protective equipment.

III. ASBESTOS EXPOSURE - JOINT SYSTEMS OPERATIONS

WORKROOM, EQUIPMENT AND OPERATIONS

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It was noted that the mixermen wore respirators during the actual mixing operations. Neither the packer nor the stacker wore respirators. It was stated that the packer and the stacker switch jobs about every 350 bags of production.

The floors, equipment, ledge surfaces, etc. in the 40' X 60' dry mix working area were covered with dust. The dust layer was constantly being built up during the various unit operations, primarily from the heavy concentration of dust generated by the bag filling operation.

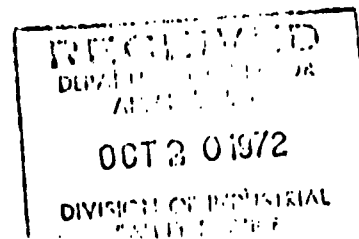
CONCLUSIONS

1. Exposure to noise resulting from the Joint Systems operations, as performed at the time of the visit, would not tend to be detrimental to the hearing of the workers.
2. The P & S Building 212 operations, as performed at the time of the visit, would not tend to be hazardous to the health of the workers.
3. Exposure to asbestos from the Joint Systems operations would be hazardous to the health of the workers in the dry mix area.

RECOMMENDATIONS

Re items 1 and 2 above - none.

SGP 0006530



Re Item 3 above - That the exhaust system for the mix hopper be redesigned and reconstructed and that sufficient local exhaust ventilation be provided for the bagging operations, both in accordance with 12 NIOSH 12 and 12 NIOSH 18. That plans for the aforementioned be submitted in triplicate to this Division prior to installation.

AJRSCL
HE

Albert J. Rosco, M.D.
Industrial Hygiene Physician II