



INDUSTRIAL HYGIENE WALK-THROUGH REPORT

PLANT NAME: Cyprus Industrial Minerals Company, Bay Street Mill

LOCATION: Los Angeles, California

PURPOSE: The National Institute for Occupational Safety and Health (NIOSH) in cooperation with the Mining Enforcement and Safety Administration (MESA) has underway a preliminary study of the talc mining and milling industry. As part of this study NIOSH is conducting walk-through surveys to compile necessary data in an effort to characterize talc composition in the U.S.

NIOSH PERSONNEL: Howard R. Ludwig, Thomas E. Sandusky

PLANT HISTORY AND PROCESS:

Cyprus Mines Corporation acquired the Bay Street Mill from Sierra Talc in 1964. This mill has been in operation since 1919 and currently grinds different blends and grades of talc for use in paints and tile.

The Bay Street Mill currently has 9 employees working during 2 or 3 shifts per day. Stockpiled talc (majority of talc is Panamint) is fed into the crusher (passing 3/4" to 2") where it is conveyed by elevator to a bin where it is dropped through a Raymond Roller mill (200 mesh to 325 mesh) before being bagged. If a finer product is required the talc is also passed through a Raymond Vertical mill (4 to 6½ Hegman) and bagged.

HEALTH HAZARDS: Potentially excessive dust and noise exposure.

PERSONNEL RECORDS: Includes Social Security numbers, work histories, and lost time accident data back to at least 1964 when mill was acquired.

RECOMMENDATIONS:

1. An audiometric hearing program should be instituted to ascertain the effectiveness of current hearing protection.
2. Dust levels in the air could be reduced by increasing the exhaust ventilation around the packing machines.

Work Sheet
for
Preliminary Industrial Hygiene
Survey of

Plant Name: Cyprus Industrial Minerals Company, Bay Street Mill

City, State: Los Angeles, California

Survey Date: July 22, 1976

Survey Conducted By: Howard R. Ludwig
Thomas E. Sandusky

Industrial Hygiene Section
Industry-Wide Studies Branch
Division of Surveillance, Hazard Evaluations and Field Studies
National Institute for Occupational Safety and Health
Cincinnati, Ohio

I. General:

1. Establishment Name Cyprus Industrial Minerals Co., Bay Street Mill
Location # 21

Address 2143 Bay Street City Los Angeles

State California Zip Code 90021 Telephone Number 213/622-8986

2. Persons Interviewed Rudolf Arellanez, Superintendent

3. A) Union Representative: John F. Heron

Title _____ Telephone Number _____

B) Name of Union Teamsters Local 986

5. NIOSH Staff Present Howard R. Ludwig, Thomas E. Sandusky

II. Plant Description:

1. Is plant a subsidiary ☒ independently owned _____

Name of parent company Cyprus Mines Corporation

Legal Owner Cyprus Mines Corporation

2. Date plant built 1919 by Pacific Coast Talc Co. Acquired 1940 by
Sierra Talc, and in 1964 by Cyprus.

Date of plant additions _____

3. Acreage of plant site _____

4. Number of major buildings 2 Total Square Feet 20,000

5. A) How many people are on your payroll at the present time? 9

B) Of this number, how many are normally in the

Production Area? 7

Administrative Area? 2

Other Areas? 0

6. Number of Shifts 3 on Vertical mill, 2 on roller mill

7. Number of employees/shifts? 5-2-2

III. Description of Process:

1. What are your major products or services? (list)

Different sizes of talc to be used in paints and tile.

95% of talc is from Death Valley (Panamint)

2. Plant Processes

A) Product _____

Raw materials and possible contaminants

Production Processes The talc ore is shipped in by train and truck and
stockpiled in the yard. A payloader feeds the talc into the crusher
(passing 3/4" to 2"). Then it is conveyed by elevator to a bin from where
it is dropped through a Raymond Roller mill (200 mesh or 325 mesh) before
being bagged. If a finer product is required the talc is also passed
through a Raymond Vertical mill (4 to 6 1/4 Hegman) and bagged.

B) Product _____

Raw materials and possible contaminants

Types of Talc Processed

~~XXXXXXXXXXXX~~

C-400 2.5 to 3.5 Hegman (paints)
C-500 3.0 to 4.0 Hegman (paints) 5% Vanderbilt Talc (soft LB)
Furnace Creek 100% Panamint 94.5% to 96.5% passing 200 mesh (tile)
Furnace Creek Coarse 68.0 to 74.0% passing 200 mesh (Tile)
Mistron MSC - Vetical mill 5.5 to 6.5 Hegman (Paints)
Mistron T-076 5.0 to 6.0 Hegman (Paints)
Mistron F-128 4.5 to 5.5 Hegman (Paints)
Mistron 139 4.0 to 5.0 Hegman (Paints)

IV. Description of Medical, Safety and Industrial Hygiene Programs:

1. A) Does your company employ an industrial hygienist?

Yes, at this location_____

Yes, at corporate headquarters_____

Yes, on a consulting basis_____

Yes, insurance carrier_____

Yes, specify_____

No X

B) Name_____ Telephone Number_____

Address_____

- C) What types of measurements are routinely taken? Explain.

Cyprus Lab is located at 2435 Military Avenue, L.A. Cal.

MESA (Jerald A. Droussel) - air samples, noise

L.A. County Air Pollution Control - W.R. Anderson, E.R. Johnson

D) Were industrial hygiene measurements obtained: Yes_____ No X

2. Do you have an agreement with a physician to give your employees emergency or other medical care?

Yes, at this location--full-time_____

Yes, at this location--part-time_____

Yes, on call X

No

Name George L. Beharry Telephone Number (213) 749-1144

Address Suite 409, California Medical Bldg., 1401 South Hope St.,
L.A. Cal. 90015

3. Do you have a licensed nurse in your facility at a regular time?

Yes, Full-time Yes, Part-time No X

4. Do you have an employee at this facility on each shift with formal first aid training, other than doctors or nurses, who has been designated to provide emergency treatment?

Yes No X

5. When you hire a new employee, do you require him to take a medical examination?

Yes, all employees X

Yes, some employees

No

6. Do you provide any periodic physical examinations for your employees?

Yes X No How Often

7. Do you provide special job related medical tests for your employees, such as:

Chest X-Ray Yes X No

Hearing Tests Yes No X

Visual Tests Yes No X

Lung Function Tests Yes No X

Blood Tests Yes No X

Urine Tests Yes No X

Other Yes No X

Specify:

8. A) Does your company have a formal safety program? Yes X No

B) Safety and Health Supervisor Superintendent

C) How many people are involved in this program? All personnel

D) How many lost-time accidents did you have last year?

Frequency 1 Severity 6-8 wks off - Dislocated shoulder while shoveling.

9. Has there been any medical abnormalities among workers which can be contributed to an occupational exposure? No

Explain _____

10. What protective equipment is required:

Equipment Provided by Employer

Clothing Yes _____ No X

Glasses (goggles) Yes X No _____

Shoes Yes X No _____

Respirators Yes X No _____

Type MSA Dustfoe 66

Where Used Packing and crushing areas

Other Hearing protection (plugs), hard hats, gloves

11. A) Are there facilities for taking showers?

Yes X No _____

B) Are there facilities for changing clothes?

Yes X No _____

C) Obtained descriptive literature on products?

Yes _____ No X

V. Narrative:

1. Description of Medical, Safety and Industrial Hygiene Program:

There is a formal safety program, and pre-employment physicals and annual chest x-rays are required

2. Potential Health Hazards:

Dust and Noise

3. Have product lines changed over the years? (If they have, include any other raw materials used).

Mainly Panamint talc processed for last 5-6 years.

Used to get talc from Grantham Mine (fibrous).

4. Are waste products reused: (If not, how are they disposed?)

5. Briefly describe any past air sampling data.

6. Completeness of Personnel Records:

Social Security Numbers - Yes

Work History - Yes

Lost Time Accident Data - Yes

Records Available Since 1964 at least

7. Ventilation: (Include type, size, kinds of collectors, H.P. of blowers, history of changes, etc.)

Ventilation around bagging machines with bag houses to control emission to outside atmosphere

8. Housekeeping:

Very little talc spillage on floor noted during walk-through.

9. Miscellaneous:

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16. Abstract (Limit: 200 words) A walk through survey was conducted at the Cyprus Industrial Minerals Company, Los Angeles, California as part of a study to characterize talc (14807966) used in the United States. Cyprus Mines acquired its present site in 1964. The mill has been in operation since 1919 and graded different blends and grades of talc for use in paints and tile. Nine employees work at the site during two or three shifts per day. Stockpiled talc was fed into the crusher where it was conveyed by elevator to a bin, and then dropped through a Raymond Roller mill before being bagged. If a finer product was required, the talc was also passed through a Raymond Vertical mill before bagging. The employees were potentially exposed to noise and excessive dust. The personnel records at this site included social security numbers, work histories and the lost time accident data back to at least 1964. The authors suggest that an audiometric hearing program should be instituted to determine the effectiveness of the current hearing protection program, and that dust levels in the air be reduced by increasing the exhaust ventilation around the packing machines.				
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