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DOCUMENT DESCRIPTION: Revised Recommendations for Prevention of Asbestosis

REVISED RECOMMENDATIONS COVERING RULES AND INSTRUCTIONS FOR  
PREVENTION OF ASBESTOSIS. THESE RULES TO SUPERSEDE THOSE  
ADOPTED BY THE SHOP AND ENGINEERING COMMITTEE ON JAN. 18, 1937.

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1. Respirators should be furnished by the Company and they should be worn at all times by employees handling asbestos. Attention is called to some of the specific instances where respirators are required:
  - Loading or unloading shipments of asbestos.
  - Mixing asbestos.
  - Removing lagging from boilers.
  - Removing lagging from pipes.
  - Breaking up or grinding asbestos.
2. Before removing lagging from a boiler, either locomotive or stationary, asbestos must be sprayed with water sufficiently to lay the dust.
3. Removal of lagging from locomotive boilers should be done when there is the least number of men working in the vicinity, and all such men should be protected by wearing approved respirators.
4. Grinding asbestos causes excessive dust. Where such operations are performed and facilities are equipped with exhaust systems, employees should also be required to wear approved respirators. When exhaust systems are not provided, employees so engaged should be required to wear air masks or helmets with clean dry air furnished from an outside source.
5. Each employee required to wear a respirator should be furnished one for his individual use or one that has been sterilized if previously used by any other person.
6. To insure maximum protection from respirators, only those that have the approval of the U. S. Bureau of Mines should be furnished.
7. Foremen should make periodical checks to see that respirators fit properly, and to note that they are in good condition.
8. Foremen should be held responsible for seeing that respirators are worn in accordance with instructions.
9. It is suggested that the above recommendations be communicated directly to the foremen involved. Publicity on the above might suggest the making of claims.

### Brazing

- |               |   |                                             |
|---------------|---|---------------------------------------------|
| Pipe gang     | - | 3 hrs. per day. Need hood with exhaust fan. |
| Truck gang    | - | Considerable. Need hood with exhaust fan.   |
| Welding dept. | - | Southeast part of shop. " " " "             |

These hoods should probably have induced draft to insure positive ventilation.

### Melting lead, babbitt etc.

- |                               |   |                                                                                                                                                                |
|-------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Babbling dept.                | - | Needs hood with exhaust fan for pots according to G.M.A. committee.                                                                                            |
| Melting counter balance lead. | - | Should never be done with an acetylene torch. Should be done under hood with exhaust to outside. Men involved should wear "chemicalfilter type C respirators." |

### Handling Asbestos

- |                                    |   |                                                                                                                                                                                                                                                           |
|------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Asbestos grinder                   | - | Located in separate building outside shop. Man is equipped with approved hose mask.                                                                                                                                                                       |
| Removing lagging from locomotives. | - | Carpenters doing this work were instructed to wear type A dust respirators - spray lagging before handling - and to handle carefully to avoid raising unnecessary dust. This work should be done at night when the minimum number of men are in the shop. |

### Lye Vat

Attendant now uses a type C fume respirator.

### Respirators now needed to supply needs of locomotive shop.

- 3 - Type A respirators for carpenter gang removing and applying asbestos lagging on boilers.
  - 1 - Type A dust respirator for shoe and wedge man while using portable grinder.
  - 1 - Type A dust respirator for truck gang.
  - 1 - Type C Extra respirator to be kept sterilized in the first aid room for extra man.
  - 1 - Type A Dust respirator for man operating portable grinder in air brake dept.
  - 6 - Type A Dust respirators for rod gang. A great deal of polishing and grinding is done by this department.
  - 4 - Type A Dust respirators for tool room for use when dressing emery wheels.
  - 2 - Type A respirators for air brake dept. for grinding.
  - 1 - Type C respirator for Mr. O. Jolly.
- Gus Beyer's gang needs the following:
- 2 Type A respirators for grinding.
  - 1 Type C for welding bronze.
  - 1 Hose type sand blasting mask for sand blasting interior of boilers.
  - 2 Type A respirators for boiler makers when grinding patches with portable grinders.
  - 6 Type A dust masks for Bloomington Power house coal handlers and conveyer attendants.