

necessary to spend at least four hours each week per machine removing this scale. It must be done by hand and done thoroughly, otherwise the wheel will be out of balance. Because of the nozzles, reclaimed water from the settling tanks cannot be used.

At Winchester and Lindsay we compromised by using the Schneible collector. This type is somewhat lower in efficiency, but is extremely low in maintenance, can be mounted outside without freezing, and recovers the water from the settling tanks.

Our brake lining dust is extremely difficult to wet, and we have not yet found a wet collector that will trap the fine particles in our dust.

In recent years we have not suffered from any fires in the bag collectors. This experience tends to lead us back to the dry bag collector because of its extremely high dust collecting efficiency. It would then be necessary to devise a method of wetting the dust as it is removed from the hoppers. This combination seems the best unless someone designs a wet collector of higher efficiency than that available today.

Thank you.

DISCUSSION

This paper was very well illustrated with slides. Vacuum methods of transporting materials as used in the new Winchester plant were very interesting. Methods of applying local exhaust to various types of machines were demonstrated.

Question: "Do bag type collectors present a fire hazard?"

Answer: "Yes, even with fire proof bags, if the materials are combustible as they are in Brakeblok."