

At the Meadville plant we have a rather extensive and well equipped machine shop. Certain machine operations produce poisonous fumes and very shortly we expect to provide local ventilation wherever the need exists.

Up to now we have confined our comments mostly to removal of lead fumes. At the Meadville and Niles plants we have sand handling units and mechanical shakeouts, from which we must remove dust. At both plants the dust is removed by means of wet type dust collectors. We should add here that removing dust by means of wet type dust collectors provides a further problem in the State of Pennsylvania. The sludge water from our collectors cannot be discharged into the streams of the State of Pennsylvania.

At Meadville we must now find some method for carefully settling out any solids from the water before it is discharged into the stream passing by our plant. The problem of discharging industrial wastes into streams is rapidly becoming a very serious one and we would like to warn anyone who is involved in such a problem to give careful consideration to planning for disposal of industrial wastes.

As previously stated, the ventilation systems at the two new plants are incomplete, which makes it extremely difficult for us to give you concrete figures as to the results obtained. Still more important and of interest to you, would be the problems which we encountered in setting up our ventilation systems, and the manner in which we solved these problems. As we see it, the great value to be gained from conferences such as this would be the sharing of ideas and problems so that all of us can benefit from mistakes made by others. We made a great many mistakes in designing the ventilation systems for the two new plants, but we have made good progress in correcting these mistakes. Within the next eight to ten months we expect to be in a position to advise the management that the ventilation systems at both the Meadville and Niles plants will be almost complete and by far the best in any of our plants. At that time we sincerely hope that we will be given an opportunity to attend another Plant Engineers' Conference, and present to you complete data on the entire ventilation systems of our two new plants.

DISCUSSION

The discussion of this excellent paper was confined principally to the corrective remedies that were required after the ventilation system was tested out under normal working conditions. Minor changes were necessary, but these are in process of being corrected.

SPNY 000274