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Item #14

Several short reports from Sept. 30, 1942 to May 25, 1943 on the subject of dust removal in multi-cyclone-units

Memorandum

Ref: Dust from the multi-cyclone-unit and waste-water-questions

By request of the Zeitz factory the delivery of dust from the multi-cyclone-units must be discontinued due to the performance of guaranty-tests and repairs in the boiler plant. Today D.I Koch called me and told me that for another week no dust could be accepted due to a surplus of steam. During the summertime the dust delivery should be almost discontinued. The maximum quantity which could be accepted is 2 carloads per day (65 tons). Zeitz shows no interest for the dust during the summer. Since with respect to a proper waste water distribution, we are forced to withdraw a dry dust, great difficulties can be expected because the waste water systems are already overburdened.

In order to prevent that, not too much solid material is carried into the Pleisse river another settling basin has been constructed. The basin has been operated for 4 weeks and is almost half filled with mud. In order to secure a better removal of the dust from installation 56, another method will be tried which requires some simple alterations of the plant. The previously used settling basin is being cleaned which takes at least another 3 weeks before it can be used again. But the basin is only suitable as an emergency settling installation and can not be used permanently. Since we have installed the dust transportation and loading system by request of the Zeitz plant and have cancelled contract with the A.S.W. works we must demand that Zeitz accepts our total dust production regularly. With no possibility to dispose of the dust it can be expected that the production of motor fuels must be reduced due to the overburdened settling installation. It must be mentioned that we never fulfilled our obligation to reduce to a minimum the mud disposal from installation 56 so that complaints can be easily expected. The following questions must be settled as soon as possible:

1. Request that Zeitz accept our total dust production.
2. Completion of the alterations in installation 56.
3. Cleaning of the previously used settling basin.
4. Early completion of the enlargement of the Rodler conveyors in installation 96.

Memorandum

Ref: Water supply of the plant

The planned increase of the consumption of water from the dam did not yet succeed due to the slow treatment of the subject on the part of the A.S.W. We can expect the same water shortage for the coming warm days as we did during the last year. Due to the high production, the difficulties which have already been experienced on May 12 are increasing from day to day.

The difficulties can be explained by some data from May 14, 5 P.M.

Pressure of the cold water installation 7:	1.6 atm.
Temperature of the cold water "	7: 26°C.
Pressure of the water returning from the cooling tower (7)	2.3 atm.
Temperature of the water " " " " "	40°C.

Inlet gas temperature installation 79: 66°C.  
Scrubbing temperature " " : 38°C. (13°C. too high)  
Cu-lye temp. installation 109: 33°C.  
Low pressure air installation 1: 45°C.

All installations of the plant are having difficulties which are due to the insufficient water supply of the factory. The rest of the memorandum is of no significance, it contains remarks concerning the repair of pumps and cooling towers.