## Memorandum I

Ref: Transport Problems of the Dust Which is withdrawn from the Multi- Cyclone-Units; Waste Water Disposal Installation 46/56

When the plants Boshlen V and Boshlen VI were planned, enlarging the waste-water-handling installation was deferred because it was intended to relieve the settling basins of the mud disposal by the dry withdrawal of the Milticlone dust.

The quality of the mud of installation 56 should be improved so that a substantial relief in the whole mud situation could be expected Unfortunately the situation did not improve, as shown by the following

prod t	ry dust forwarded o Zeitz- ons %	l wet dust in removed tons	id-disposal i m <sup>3</sup> per d	nstallation: ay
1941 4,000 June 1942 4,600 July 1942 4,200 August 5,250 Sept.1942 5,300	300 7.2 510 9.7	4,000 4,000 3,900 4,740 4,150	370 370 385 426 400	

As can be easily seen, due to a high production in 1942 the dust yield has increased 25%. During the month of September 22% of the due could be withdrawn in a dry condition and forwarded to Zeitz. But on the whole the dust removal from installation 56 and increased 10-20% resulting in absolutely no improvement of the mud-disposal problem. The reason for the failure is due to the unsuitability of the Multitle reason for the failure and the irregular acceptance of the clore-dust-transportation system and the irregular acceptance of the

As experienced during the last year the Malticlane-dust is mater highly difficult to handle which has very changeable properties. Nighly difficult to handle which has very changeable properties. Sometimes it flows like water, sometimes caking like moist flour. The sometimes it flows like water, sometimes caking like moist flour. The result is that the Redler-conveyors can be operated normally for a result is that the Redler-conveyors can be operated and must be shut down short period of time whereafter they are blocked and must be shut down since the present installation is without reserve the desired dry-dus since the present installation is without reserve the desired dry-dus since the present installation is without reserve the desired dry-dus supposed to handle 10 tons dust per hour, but due to the above was supposed to handle 10 tons dust per hour, but due to the above described difficulties the actual output is as low as 4.5 tons per hour if the installation could be continuously operated, the maximum output would be 3,300 tons of aust per month, i.e. 60% of the total dust production, excepting the cust which is employed for the final dephenolization of the waste water.

In order to secure a considerable relief and a complete utilization of the Multiclone dust the installation of a greatly improved dust-transportation system is necessary. The Redier-conveyors to be constructed must be wide enough and must have a large output: