

Backflow of Blasting Grit with Pneumatic Conveying Equipment



According to its motto, PFT always keeps things moving. In the case, however, with a slight difference: Things had to be „kept moving back“.

The job site was the „Weisse Frau“ (White Lady) Waterworks in Brillon-Rösebeck (Western Germany). The concrete interior walls of the underground drinking-water reservoirs had to be sandblasted before receiving a new coating.

For this sandblasting work, 10 tonnes of blasting grit, 0.5 – 1.4 mm in grain size, were to be used. Considering the quantity of coating mortar to be removed, the resulting waste was estimated to be approx. 13 tonnes. This material had to be pneumatically convey-

ed upwards to the waste containers as quickly and producing as little dust as possible.

The solution to this problem was the EUMAX version of the PFT SILOMAT. The material was fed to a special hopper and blown upwards through conveying lines. It turned out that the PFT conveying hoses made of rubber were most suitable.

With the aid of the EUMAX version of the PFT SILOMAT, the mortar removed and the blasting grit consumed could be transported upwards to the waste containers in a quick, trouble-free and relatively effortless procedure. So literally nothing was in the way of the subsequent re-coating measures.

The required air was supplied by a site compressor providing an output of 2.5 m³/min at the first construction stage and a 10-m³ compressor at the second stage. In this way, the material could be disposed of conveniently, in a very short time, and in a dust-free and labour-saving procedure. The sandblasting work and the subsequent re-coating of the drinking-water reservoirs was

carried out by Flint Bautenschutz GmbH, Detmold. The PFT SILOMAT, EUMAX-type, pneumatic conveying system was provided by PFT specialist trader Menke + Krüger, also located in Detmold. Customer support of the on-site use of the machine came from Klaus Uffrecht, Manager of the PFT Sales Territory North.

Manager Eckart Flint and Certificated Engineer Detlef Moldenhauer were so impressed by PFT's machine demonstration that the Flint company immediately purchased the equipment and is now going to use it at further construction stages.

Mr. Vogt, the customer service manager of Menke + Krüger, supported the on-site use of the machine together with PFT.

