

Mixers facilitate dustfree disposal of power station ash

BHS-Sonthofen, headquartered in Sonthofen, Germany, has won an order from Rehlingen-based altmayerBTD for six single-shaft continuous mixers for use in power stations owned by RWE Power. Four of the mixers will be installed at the new Eemshaven, Netherlands, plant and a further two are destined for the new blocks D and E at the Westphalia facility. The mixers, each offering a capacity of 100t/h, will moisten combustion chamber ash previously cooled to around 100°C, thereby preventing release of dust when the ash is handled and stored. The water binds the dust particles allowing the ash to be transported and further processed without emitting dust into the atmosphere. A special feature of the model MFKG 0728 mixer is a pulsating rubber trough which vibrates to prevent material from caking and hardening on the inside wall, continually cleaning the mixer while it is in operation. Because the mixing tools rotate freely under all operating conditions, the mixers consume less energy and require less maintenance than competitive designs. Concentration of water in the final product can be adjusted to suit its physical properties. This in turn reduces its weight and hence disposal costs. www.bhs-sonthofen.de



The mixing tools of the BHS-Sonthofen single shaft mixers can rotate freely inside a self-cleaning rubber trough.