



## VORTEX ROLLER GATE HANDLING ASH GATE

Customer: A Cement Manufacturer

Material: Fly Ash

Product: Portland Cement

Application: Shut off the flow of fly ash from a storage bin

Challenge: Obtain a slide gate that can provide better service than the current gate being used

Valve: Vortex Roller Gate  
Model SA12-MG-SB-RS

Results:



In this application, fly ash (a filler for Portland cement) is discharged and metered through an airlock. Air pads are utilized to help aid the flow of material from the bin. The previous slide gate did not seal the material handled and would continually bind up.

A Vortex SA12-MG-SB-RS Roller Gate Valve was ordered and installed in the fall of 2002. The roller gate includes a special service inlet to minimize material contact with the valve's seals. The gate was manufactured with a sealed and purged bonnet area. This feature minimizes potential migration of material past the bonnet seals that could occur from the air pads at the bottom of the storage bin.

The Vortex valve solved the customer's material handling problems.