



## VORTEX LOADING SPOUT HANDLING CALCIUM CARBONATE

Customer: Minerals Producer

Material: Calcium Carbonate

Application: Loading product into trucks and rail cars

Challenge: Find loading spouts that offers better service than the ones previously used

Equipment: Vortex Retractable Spouts  
VES-25-6



Vortex Air Slides  
VAFC-10x10 (17' and 129')



### Results:

When the company's engineering manager learned that Vortex was now manufacturing dustless loading spouts, he immediately wanted additional information. His company had experienced many successful years with Vortex gates and diverter valves sealing the fine material they handle. What improvements was Vortex bringing to this product?

Vortex's sales personnel immediately answered his question. Vortex's four cable system combined with three-piece CNC machined pulleys offer maximum spout stability, more lifting torque, and reduced cable wear. The fact that the Vortex spout offers a 10-year standard warranty on the cable system was a selling point in itself, especially given the many maintenance hours spent, additional cost of parts, and lost production time experienced with spouts that were currently being used.

Additionally, Vortex offers a wide range of product options. When two Vortex spouts were ordered for a new truck and rail loading bay, one option that was specified was a self-sealing discharge. As the spout is positioned for loading, the discharge opens to allow material flow. When retracted, the discharge seals this fine material within the confines of the sleeve, further controlling potential dust emissions.

The fact that Vortex could also provide two custom length air slides to convey material from a holding bin to the load out area was another major plus. Each Vortex air slide is equipped with an air supply port, inspection ports, and clean out ports. Sections are bolted together and utilize bar grating to support the slide media (not a flexible screen).

"Vortex definitely did their homework with their new retractable loading spout and air slide products. This will be our 'go to' spout line as we replace units or address future load out expansions."