



VORTEX LOADING SPOUT HANDLING FOOD BY-PRODUCT

Customer: Food manufacturer

Material: Food by-product

Application: Loading spouts for open top trucks

Challenge: Install spouts that will significantly reduce material escaping to atmosphere

Equipment: Retractable Spouts
VOS-25-10

Roller Gates

Results:

A food manufacturer needed to control material dusting that was created from a by-product while loading into open top trucks. The customer's first step was to design and build a covered loading area to isolate the dusting, and additionally accommodate different sized trucks.



To further control dust emissions, Vortex Retractable Loading Spouts were purchased. A flexible outer sleeve encompasses the internal stacking cones to capture the fugitive dust. The captured dust is transported via a vacuum within the spout to a remote dust collector.

A drag conveyor feeds the row of loading spouts. Depending on the length of the truck, material can be discharged from one to as many as five loading spouts into the trucks. This system means the trucks do not need to be moved during the loading process.

Since open trucks are being loaded, the spout is equipped with a neoprene rubber skirt that encompasses the discharge material and further controls dust emissions.

The equipment supplier for this project commented, "The Vortex Retractable Spout is very EPA friendly. The customer liked the many features including the 10-year warranty on the lifting cables."