

B. W. SINCLAIR INFORMATION UPDATE

VERTICAL FLEXIBLE SIDEWALL BELT TRANSFERS PRODUCT FROM RAIL CAR TO TRUCKS

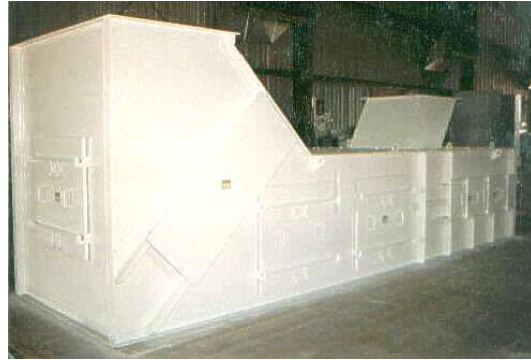
When a client requires a compact railcar discharge system, a BWSi 90° Z-Flow Vertical Flexible Sidewall Belt Conveyor can provide the optimum installation solution.

A major distributor of fine granular soda ash required such an installation to transfer product from railcars to trucks at a Pennsylvania transportation hub.



The system included a Model 0660-90Z, 60" wide Flexible Sidewall Belt Conveyor, 150' vertical lift, with a 60 HP drive. The conveyor is totally enclosed for dust-tight operation and fitted with BWSi Cam-Lock™ quick-access inspection and cleanout doors. The belt is fitted with special stainless steel "side-wings" to prevent fine particulate from falling back to the next pocket. The conveying rate is 250 STPH (227 MTPH) of fine soda ash weighing ~ 63 lbs/cu. ft.

The soda ash is metered into the horizontal inlet section by an electromechanical vibrating feeder to guarantee efficient pocket loading and assure a proper horizontal-to-vertical transition at the lower deflection point.



All mild steel external surfaces were commercial blast cleaned (SSPC-SP6) and coated with a 3-part epoxy system for corrosion resistance. Belt alignment, zero speed, and plugged chute instruments were pre-installed at the factory, along with an independently powered eccentric roll BWSi 0660-BBS "Belt Beater" to clean residual material from the belt pockets. The belt discharged through a BWSi Model 1036SB6-EL Electric Two-Way Diverter Valve to either of two (2) storage silos.

SINCLAIR belts feature unique combination fiberglass cross-rigid plies and special high-strength rubber. BWSi's sidewall construction uses fiber-loaded compounds, resulting in superior performance and longevity. We can offer urethane cleats bolted into cleat bases that are hot vulcanized to the base belt for the most severe-service applications.



The SINCLAIR Flexible Sidewall Belt Conveyor is an excellent system for chemicals, food and pharmaceutical products, polymers and pellets, prilled materials, alloy additives, coal, and many other applications where a *new angle* may solve an old problem.

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