

## ASGCO® Conveyor Products Reduce Airborne Dust and Eliminate Spillage at This Mid-West Coal Fired Power Plant.

**Industry:** Coal Fired Power Plant

**Application:** 60 inch Transfer Conveyor at Coal Unloading Facility, Being Fed From a 72" Feeder Conveyor. (2" minus PRB coal),

**Product:** ASGCO® Dual Return Tru-Trainer®; Impact Cradle Bed; Slide-N-Roll™ Beds; Clamp-Mount® Skirt Clamps with Multi-Seal™ Rubber; Conveyor Hoods with Dust Curtains™.

**Objective:** To reduce airborne dust and to eliminate spillage at the conveyor load zone.

### Challenge:

The maintenance personnel at the plant complained that the existing wide open loading chute was causing spillage of product, tremendous airborne dust and belt mis-tracking due to off center loading. These issues were creating downtime due to clean up issues and hazardous working conditions caused by the airborne dust.



### Recommendations:

After a complete survey of the conveyor systems, the recommendation was made to install an ASGCO® Dual Return Tru-Trainer® on the return side of the conveyor to keep the belt centered around the tail pulley. ASGCO® Impact Cradle Bed and Slide-N-Roll Beds were also recommended to help seal the skirting. The Conveyor Hoods and Dust Curtains™ were needed to control the large amounts of dust being dispersed from the open chute application.

### Results:

After the installation of the ASGCO® products, the Maintenance personnel claim that there is reduced maintenance downtime and improved housekeeping. The reduced dust in the area, allows the employees to work safely around the area. The ease of access to maintain the ASGCO® equipment allows for less maintenance hours in the area and safer working conditions while performing maintenance.