



PROBLEM SOLVED™ D5D9F

SOLUTION: Martin® Transfer Point Products and MartinPLUS® Installation Services

INDUSTRY: Coal-Fired Power

LOCATION: City of Ames Power Plant Ames, Iowa



The City of Ames Power Plant burns 270,000 tons of coal per year.

PROBLEM

The coal conveying system at the power plant needed refurbishment. Problems included fugitive material arising as dust and spillage, as well as a general deterioration of the condition and performance of the system. Complicating the project was the plant's need to remain in operation during the work. The plant would need to run the coal handling system almost every day, filling plant bunkers with coal for that day's consumption.



Included in the coal-conveying system reconstruction was the installation of Martin® ApronSeal™ Skirting and Martin® Dust Bag.

SOLUTION

To refurbish its coal handling system, the plant agreed to a conveyor rebuild by Martin Engineering. Project scope included two belt feeders and two conveyors as well as their respective loading and discharge points. Work included the construction of new chutes and installation of a variety of Martin Engineering transfer point components, including Martin® Impact Cradles, Martin® Support Cradles, Martin® ApronSeal™ Skirting, Martin Wear Liner and Martin® Tracker.



Martin® Support Cradles were installed to stabilize the belt path and reduce spillage.

RESULTS

The four member MartinPLUS® Services crew worked carefully to return the conveyors to operation every day, allowing the plant to run every day, except for the four scheduled-in-advance "down days." The MartinPLUS® Service crew was very flexible in how they allowed the plant to run. Plant management complemented the MartinPLUS® Service crew leader as "very professional and accommodating," in doing an "outstanding job of coordinating the project work with plant requirements." Plant Assistant Superintendent Dell Brown was pleased with the project. "The work area looked great when the crew finished and left the site. Martin did an excellent job."