



PROBLEM SOLVED™ PAPER

SOLUTION: Martin® Impact Cradle, Support Cradle, ApronSeal Single Skirting, Tail Sealing Box, Dust Bag, QC1™ Cleaner, QC2™ Cleaner and MartinPLUS® Installation

INDUSTRY: Coal-Fired Power

LOCATION: Plant Yates, Georgia Power
(A Subsidiary of Southern Company)
Newman, Georgia



Improved Conveyor Transfer Point at Georgia Power's Plant Yates.

PROBLEM

Suffering from extensive spillage and other problems, the plant's coal-conveying system needed an extensive upgrade, including new belt cleaning systems and improved transfer point systems.

SOLUTION

Martin Engineering proposed transfer point re-construction projects for plant Conveyors 1A/1B, which feed out from under the stockpile reclaim and Conveyors 3A/3B, which carry coal from under the surge bin toward the boiler house. The project included the installation of Martin® Impact Cradles, Martin® Support Cradles, Martin® ApronSeal™ Single Skirting, Martin® Tail Sealing Box and Martin® Dust Bags. An installation crew from MartinPLUS® Installation Services completed the project.

In addition, the plant selected a number of Martin Engineering belt cleaners. "We used different combinations of primary cleaners and secondary cleaners, depending on the applications—what we thought would be the best for each conveyor and circumstance." Among the belt cleaners installed were Martin® QC1™ Cleaners and Martin® QC2™ Cleaners.

RESULTS

"We used to have a real problem with sealing the belt edges. But now, that's been solved," reports Craig Fowler, Fuels Group Leader for Plant Yates. "We need to do a better job with centering the load, but for the most part, our spillage problems are corrected."

Now, transfer point inspections, as well as the installation and routine service for belt cleaners, are performed by Georgia-based MartinPLUS® Service Technicians. Craig Fowler, Fuels Group Leader for Plant Yates said, "The MartinPLUS® technicians are here on a pretty regular basis. They are here to take care of the equipment. They make the systems 'invisible'—that means I don't have to worry about their equipment, and I don't have to fuss to get them here. When I find a supplier with that level of service, I know the equipment is going to keep working and I know that I can depend on them. For me, it's the service that makes the difference."

Martin® Support Cradle is protected by U.S. Patent No. 4,898,272. Martin® ApronSeal™ Skirting is protected by U.S. Patent No. 5,016,747. Martin® Dust Bag is protected by U.S. and International patents issued and pending. Martin® QC1™ Cleaner is protected by U.S. Patent No. 4,917,231. Martin® QC2™ Cleaner is protected by U.S. Patent No. 6,321,901.