



# PROBLEM SOLVED™ D5D9F

**SOLUTION:** Martin® Transfer Point Products

**INDUSTRY:** Coal-Fired Power

**LOCATION:** Georgia Power Plant McDonough  
Smyrna, Georgia



*A Martin® Light Duty Impact Cradle was installed under the loading zone of Conveyor #9.*



*Martin® ApronSeal™ Skirting was installed on the outside of the new 12-inch (304-mm) skirtboard.*



*A Martin® Tail Sealing Box with Martin® Steel Inspection Door was installed to prevent material from spilling out the back of the loading zone.*

## PROBLEM

Fugitive material escaped from the coal-handling systems as dust and spillage. To boost material-handling efficiency and reduce the risk of fire or explosion, “Plant Jack Mac” personnel sought to improve the performance of their conveyor system.

## SOLUTION

Martin® Transfer Point Products

To improve conveyor performance, Georgia Power selected MartinPLUS® Services to rebuild the loading zone on Conveyor #9. Included in the project were installations of taller and longer skirtboard walls, new belt support systems, abrasion-resistant wear liners, and a multi-layer, low-pressure sealing system on the outside of the chute walls.

## RESULTS

During a four-day outage, technicians from MartinPLUS® Services rebuilt the load zone on Conveyor #9.

The three man crew removed the existing 20 degree idlers and installed one Martin® Light-Duty Impact Cradle and four Martin® Support Cradles with center rollers.

They also installed 22 feet (6.7 m) of skirtboard on each side of the conveyor, and added abrasion-resistant Martin® Wear Liner on the 12-inch (304-mm) high chute wall. Installation of Martin® ApronSeal Skirting System, a Martin® Tail Sealing Box and Martin® Dual Dust Curtains completed the reconstruction of the transfer point.

The MartinPLUS® Services installation crew worked on the project on “second- shift” schedule. At the end of each day’s work, the crew restored the conveyor to service, allowing the plant to operate.

The project resulted in a great improvement in transfer point performance.

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.

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