



PROBLEM SOLVED™ PAPER

SOLUTION: Martin® Walk the Belt™, QC1™ Cleaner XHD and Tracker™

INDUSTRY: Aggregate - Sand

LOCATION: Plant in Midwestern US

PROBLEM

Handling an abundance of sand every year, the plant had little time or resources to spend on inefficiency. Due to the lack of proper belt cleaning, spillage and carryback were present throughout the entire plant, leading to immense material loss.

In addition to the plant wanting to improve its operation, MSHA mandated corrective action be taken towards containment and collection to cut the amount of dust in half.



Martin's skilled service technicians have the knowledge and experience to take operations to the next level.



Martin's trained experts walk the conveyor belts, inspect material handling systems and record data.



An immediate Walk the Belt™ report is generated and contains valuable information about the overall condition of the system.

SOLUTION

The plant decided to have Martin Engineering come in and perform a comprehensive review of the existing conveyor system. The MartinPLUS® Walk the Belt™ service included inspection of the conveyor belts from head pulley to tail pulley, while looking for areas of improvement in regards to safety, productivity and regulatory compliance.

After a detailed inspection, Martin recommended installing Martin® QC1™ Cleaners XHD to reduce carryback and Martin® Trackers™ to keep the belts properly aligned, preventing material spillage and damage to the belt's edge.

RESULTS

According to the plant, the MartinPLUS® Walk the Belt™ service utilizing tablets to generate on-site, immediate reports was worthwhile. The detailed report outlined the areas in the most need, allowing the plant to prioritize accordingly. The MartinPLUS® Walk the Belt™ service also turned out to be an opportunity for MartinPLUS® Service Technicians to supervise installation and lend tips/tricks from maintenance personnel for maintaining efficient operations. The plant is now considering a MartinPLUS® Specialized Maintenance program to maintain productivity and compliance with MSHA standards along with other containment and collection upgrades.

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