PROBLEM SOLVED™ PAPER

SOLUTION: Martin® Air Cannons, Martin® PV Cleaner, Martin® QC2™ Cleaner, Martin® Slider Cradles

INDUSTRY: Mining

LOCATION: Chemical Plant in France

A chemical plant in France was experiencing buildup in their salt storage facility and carryback along the conveyor.

PROBLEM

At a large chemical plant in France, a salt storage facility that stores and supplies salt for the manufacturer Saumur had developed a lot of buildup from carryback along the belt. This buildup required a stop every 6 months for manual clean-up.

Martin provided several solutions to eliminate the carryback, and used air cannons to improve the flow of material.

SOLUTION

After reviewing the system, Martin Engineering recommended two solutions. First, Martin® Air Cannons were added to the storage hopper that supplies the salt. Martin® Air Cannons improve flow from silos, bins, bunkers and storage vessels, by knocking down rat holes, blockages and buildups, to boost plant efficiency. Additionally, a Martin® PV Cleaner was added with a Martin® QC2™ secondary Cleaner to provide the most effective cleaning performance. The Martin® PV Cleaner uses an aggressive angle of attack to increase cleaning efficiency while the Martin® QC2™ Cleaner offers the convenience of a one pin blade replacement. And finally, Martin® Slider Cradles were added under the skirtboard of the transfer point to support the edges of the belt and eliminate sag.

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RESULTS

After a month of testing, the problems have been corrected. The company no longer has to stop to manually clean-up the buildup and carryback. MartinPLUS® service technicians return periodically for routine maintenance.

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