AIRSWEEP EXCEEDS EXPECTATIONS

"YOU SHOULD BE ON BILLBOARDS EVERYWHERE"

First Quantum Minerals Ltd., one of the fastest-growing mining companies in Africa, needed a reliable way to move copper concentrate through the chutes. However, other flow aids damaged the vessels or created safety hazards.

PROBLEM

The material – a solid mixture with a fine particle size of 18% to 24% copper, sulfur, and silica – clogged the chutes while being transferred from storage bins to the furnace.

Vibrators didn't work and damaged the vessel walls. Workers spent two hours each day clearing the chutes by hosing them with compressed air or hammering the walls.

SOLUTION

They considered air cannons but found them loud and unsafe because of the "explosive" dispersion of material.

They emailed AirSweep and immediately got a reply. Installation was simple – and the performance exceeded expectations.

RESULTS

"The performance has been so good that we would like to install the same device on a few other chutes. Customer service is also top-notch," said Emmanuel Mudenda, Metallurgist. "You guys should be on billboards everywhere."

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