

# PROBLEM SOLVED

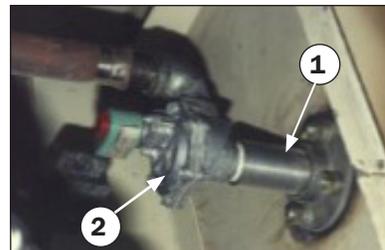
*The Proof is in the Flow!*

**AIRSWEEP**  
MATERIAL ACTIVATION SYSTEMS

## Single Airsweep Solves Sand Flow Problem at Ready-Mix Plant

### Problem

Moist sand was **sticking and bridging** above pant-leg outlets of bin at Service Concrete, an Oakridge, N.J. ready-mix concrete plant, **causing lengthy delays in batching and filling of transit-mix trucks.** Vibrators and manual joggling of gates did not prove effective.



Detail of VA-51 Airsweep (1) and MCA-45T solenoid (2) mounted on bin.

### Solution

To resolve the buildup and blockage issues, an efficient and effective system was designed consisting of one 2" **VA-51 AirSweep** installed on the bin just above the pant-leg, coupled to a MCA-45T solenoid valve, and a CBO 1-12 control box.

A 9' section of 2" header pipe was also installed to bring plant air to the AirSweep system. The system was tied into the main panel of the batch control, providing a simultaneous pulse firing of the solenoid as the gate opened.



### Results:

Instant flow of sand on demand! **Trucks now filled with no delays** or additional labor, and move out on schedule.

Says the happy customer: "Works Great! We no longer have to send a man up the ladder to poke the sand out."

Links (Click title):

[AirSweep Model VA-51 webpage](#)

[AirSweep Model VA-51 Product Sheet \(PDF\)](#)



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