

Power Plant Saves Over US\$20,000 Annually on Tank Cleaning Labor



Problem:

A Midwestern coal-fired power plant injected a lime reagent into a Spray Dryer Absorber (SDA) to control the emission of sulfur dioxide. The power plant recovered unspent lime from fly ash created during the combustion process. The fly ash was mixed with fresh lime to create a neutralizing lime slurry. The slaking tanks, 15' (4.6m) in diameter by 25' (7.6m) deep, required weekly cleaning – a labor intensive operation. Manual cleaning of the limestone residue from tank interiors with high pressure washers could take up to eight hours to complete and required an OSHA permit for confined entry. The cleaning process was costly and dangerous.

Solution:

Spraying Systems Co.'s TankJet® AA190E solved the customer's cleaning problem. The motorized TankJet unit provides effective cleaning of the entire tank interior. Hot water, provided by the customer, is pumped to the tank cleaner by the fluid delivery system at 120 psi (8 bar) with a flow rate of 25 gpm (95 lpm).

The three-foot shaft of the TankJet unit is equipped with WashJet® solid stream nozzles which provide effective cleaning of interior tank surfaces. Cleaning time now just takes 45 minutes compared to the eight hours required with pressure washers.



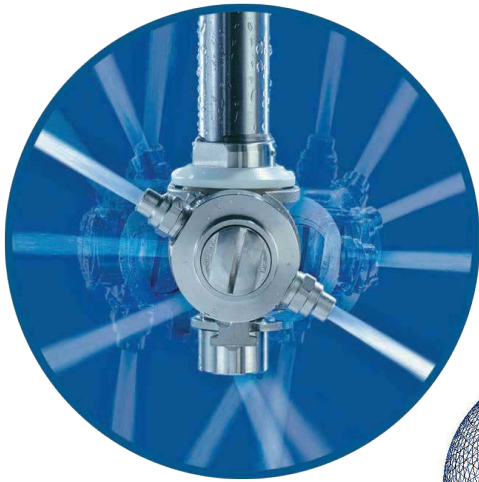


Power Plant Saves Over US\$20,000 Annually on Tank Cleaning Labor – Continued

Results:

The TankJet® cleaning equipment has saved the power plant US\$22,000 annually in labor, eliminated the need for OSHA permits and employees to enter the tanks.

A CLOSER LOOK AT THE SYSTEM



The TankJet AA190 is a high-impact tank cleaner that provides 360° coverage of tanks and totes up to 34' (10.4 m) in dia.



TankJet AA190 tank cleaner

Versatile high-impact tank cleaner provides efficient, consistent, reliable cleaning with virtually no maintenance. The electric motor is positioned outside the tote, away from the cleaning action. The lightweight unit can easily be moved from tank to tank.



Spraying Systems Co.®
Experts in Spray Technology

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