

COKE FINES REMOVAL



Advantages

- Zero employee exposure to hazardous conditions during removal processes
- Online cleaning eliminates stoppages
- Minimum 95% faster than conventional methods
- Maintains routine cutting cycles
- Automation improves safety and reduces man-hours
- No isolation blinding, fresh air requirements or vessel entry permits
- Enhances protection of jet pump and other assets
- Effective for standalone online cleaning or as part of outage projects

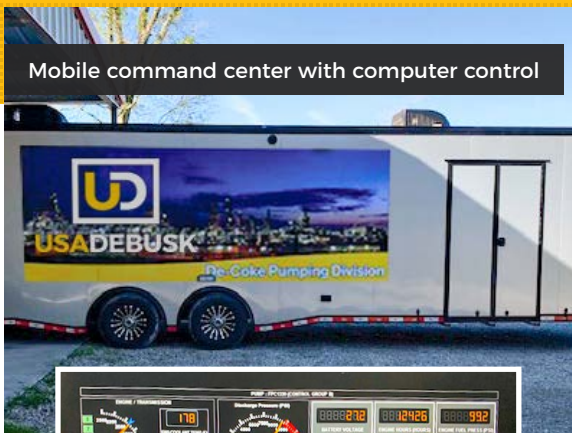
For the first time, free coke fines can be removed from coker processes *while the unit remains online*. USA DeBusk offers proprietary, highly automated services that extract coke fines without interrupting normal unit operations. They enable cutting cycles to remain on schedule and eliminate the time, cost and safety issues associated with isolation blinding and vessel entry. These services effectively clean cutting/quench water between turnarounds, protecting jet pumps and pipes from abrasive damage.

USA DeBusk coke fines removal services maximize safety by completely eliminating personnel exposure during fines removal. Hazardous tasks are performed using automation, with computer-assisted remote control and video surveillance of processes. Substantial savings are achieved by reducing safety risks, eliminating downtime and decreasing total cleaning time by weeks with a process that is at least 95% faster than conventional methods.

APPLICATIONS

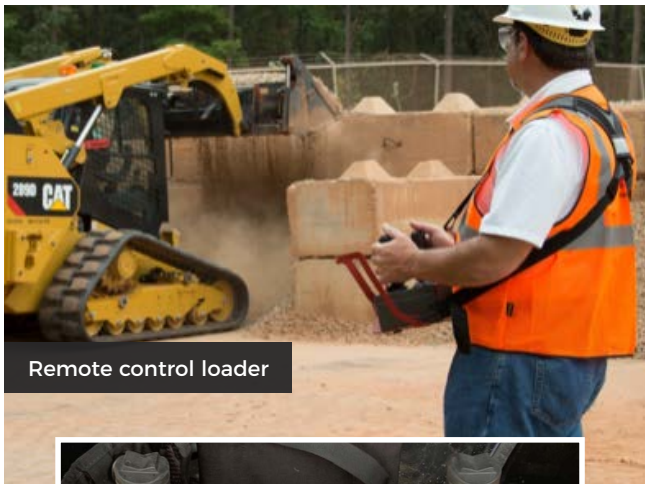
- Weir pits
- Maze pits
- Cutting/quench water tanks
- Rail car trenches and sumps
- Clear water cutting pit sumps
- Coker clarification tanks
- Total pit cleaning & concrete demolition for repairs

Mobile command center with computer control





Filtration components



Remote control loader



CAPABILITIES

Cutting/Quench Water Clarification

The USA DeBusk team removes fines from cutting/quench water pits or tanks using proprietary circulation and filtration methods. USA DeBusk can achieve any water cleanliness specification or tank thermal scan specification supplied by the customer.

The entire process is performed with no downtime, no personnel exposure, a small crew size and totally automated computerized systems.

Pit Repairs

USA DeBusk also prepares pits for structural repairs without coker unit downtime. Tasks are accomplished using equipment capable of wireless remote control. This eliminates the need for workers to enter hazardous areas, as well as the need to evacuate workers when a drum is cut. USA DeBusk performs surface cleaning, concrete demolition and other tasks as necessary.

General Clean-up

USA DeBusk has experienced crews and a fleet of modern air machines to remove residual deposits in weir pits and tanks, as well as spilled coke near pits, sumps and rail system trenches.

COMPLETE COKER SERVICES

Coke fines removal is part of a full line of coker unit critical path services from USA DeBusk that include jet pump replacement, furnace pigging & decoking, line cleaning, and unit clearing & chemical cleaning.

THIS IS THE ONLY
SOLUTION WITH ONLINE
CAPABILITY AND
NON-ENTRY SAFETY