

Restoring Production Efficiency & NOx Reduction by Eliminating SCR Fouling

PROBLEM

SCR fouling is typically caused by refractory or insulation fibers that accumulate and block the face of the catalyst, eventually leading to substantial flow disruption and excessive pressure drops, typically worsening over time.

This pressure drop and flow maldistribution will cause production rate limitations, unplanned outages, and environmental compliance issues, as well as reduce the catalyst life.

SOLUTION

Proven methods for keeping SCRs operating efficiently include:

- Immediate Relief to Keep System Online: Hot-Tek Online Vacuuming Services
- Long Term Solution: Fine Particle Filtration Screen System
- Removal of the Captured Material: Screen Online Cleaning System
- Reducing the Volume of Fibrous Material: Refractory Encapsulation



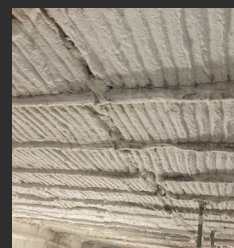
**Watch SCR Solutions
in Action**



*Fine Particle
Filtration Screen
System*



*Hot-tek Online
Vacuuming*



*Refractory
Encapsulation*

Benefits



ELIMINATION OF PRODUCTION DERATES AND UNPLANNED OUTAGES

Restored flow and reduced system pressure drops back to design parameters



LOWERED MAINTENANCE COSTS

Preventing SCR catalyst face fouling eliminates the costs associated with its cleaning



IMPROVED EFFICIENCY

No fouling means the SCR can reliably operate at its expected design efficiency ensuring reliable compliance with NOx and NH3 emissions regulations.



LONG-TERM SOLUTION

Comprehensive solutions protect the SCR for the lifetime of the system.