

SOLVAir QuickFacts

Dry Sorbent Injection...

Does it deliver the goods as regs get tighter?



Q. Why is Dry Sorbent Injection, or DSI, better than any other air pollution strategy?

A. DSI isn't necessarily "better," but it has several things going for it that make it a good choice for plants needing to comply with the current and upcoming regulations.

Q. I bet you're going to say "cost-effective." But is DSI really cost-effective?

A. Depends on what you're looking at. Installation costs (CAPEX) of a DSI system are typically significantly less than any other compliance technology. When looking at operational costs and difficulties (OPEX), DSI is simpler to operate than a semi-wet or wet scrubbing system because the process requires no slurry equipment or reactor vessel, and the sorbent is stored and injected dry into the flue duct (where it reacts with acid gas.) No need to cool or humidify the gases. Byproducts are sodium chloride and sodium sulfate, which are collected with fly ash. So the simplicity of the system cuts out a lot of the cost associated with many other air pollution control options.

Q. Does that simplicity make it effective? In other words, will DSI help me comply with the regs?

A. Yes, it's effective. Field experience has shown this technology to be capable of removing nearly all SO₃ and HCl, and well over 90% of SO₂. Injection rates can be trimmed as needed for compliance today and increased for compliance tomorrow! It can help your plant reach compliance effectively and cost-effectively. No doubt about it!

Got a question about our questions?

Call Marilyn Treacy Stone, Commercial Manager, at 303.489.9183, or go to our website: www.solvair.us.

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