



SOLVAir® Breeze

SO₃

Trona

SO₂

Sodium Bicarbonate

HCl



The pros and cons of Milling Trona

As the use of trona in the mitigation of acid gases such as SO_x, HF and HCl increases, prospective users are asking: Is it necessary to further mill SOLVAir® Select 200? The correct answer is: Maybe!

The finer particles of additionally milled [Select 200 trona](#) make for a more even distribution in the flue gas duct and lower diffusion resistance inside the sorbent particles, resulting in higher removal efficiency when using Select 200. Milling trona is advantageous if the temperature at the injection port is low (< 300°F) or the residence time is short, as may be the case with a cold-side ESP.

However, if trona is injected at temperatures above 600°F, or if the residence time is long, as in bag houses, the results are often not as significant. Capital costs, O&M costs and operating issues of a milling system must be seriously considered before any decision is made. And if sorbent is milled on-line continuously, cleaning the mill periodically could pose a challenge. An on-line spare mill might be necessary.

All factors should be taken into account when deciding whether or not to mill trona. If you're looking for objective input, the SOLVAir Group offers the market proficiency and knowledgeable staff ready to respond to your questions on all aspects of air pollution control. You can reach us at www.solvair.us or e-mail me at michael.wood@solvay.com.

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SOLVAir® Products for Air Pollution Control

SOLVAir Select 300 Sodium Bicarbonate

SOLVAir Select 350 Sodium Bicarbonate

SOLVAir Select 200 Trona

SOLVAir Select 150 Trona



A Newsletter
from SOLVAir
Products
Group, Solvay
Chemicals, Inc.
March 2010