

Natron_x Technologies, LLC

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Industrial Boiler and Cement MACT
Timing and Compliance Options

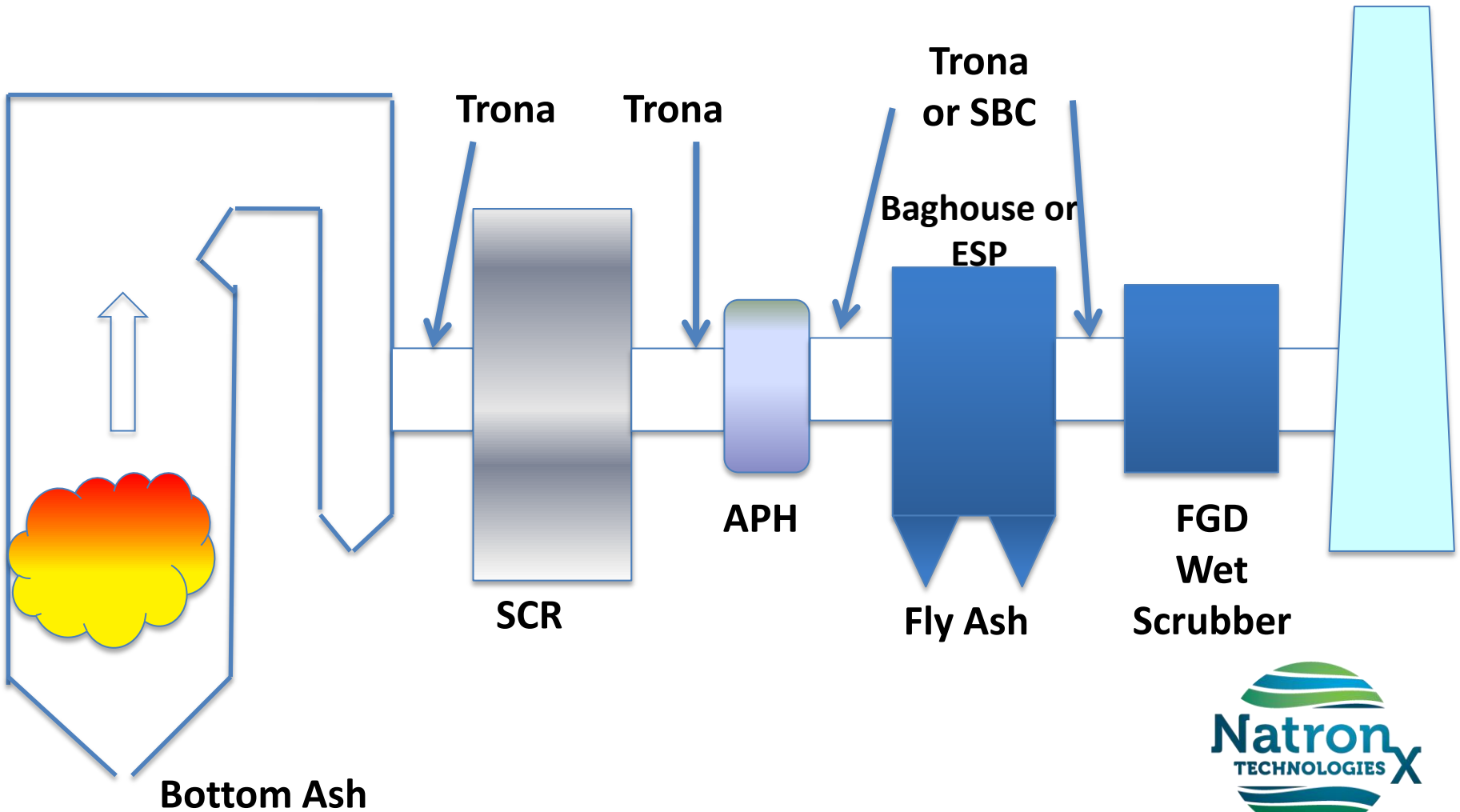




Earth's Technology Providing Cleaner Air

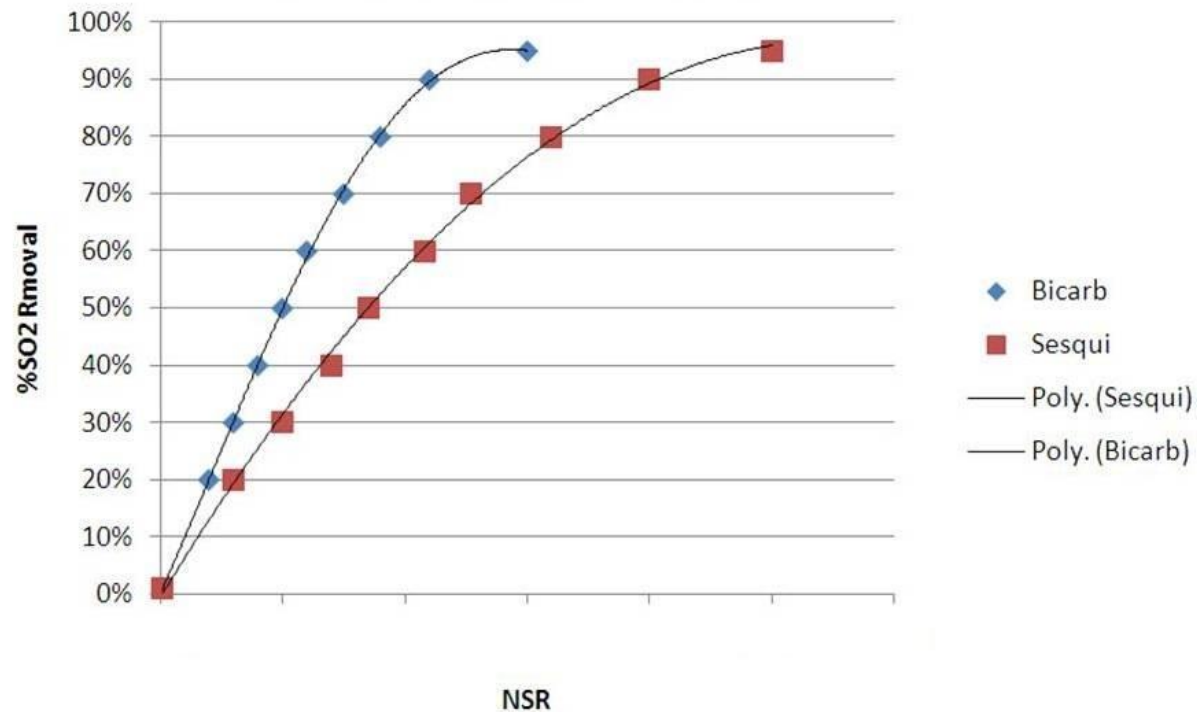


SODIUM DSITYTICAL INJECTION LOCATIONS



TRONA VS. SBC AT LOW TEMPERATURE

Injection @ 300 Deg F

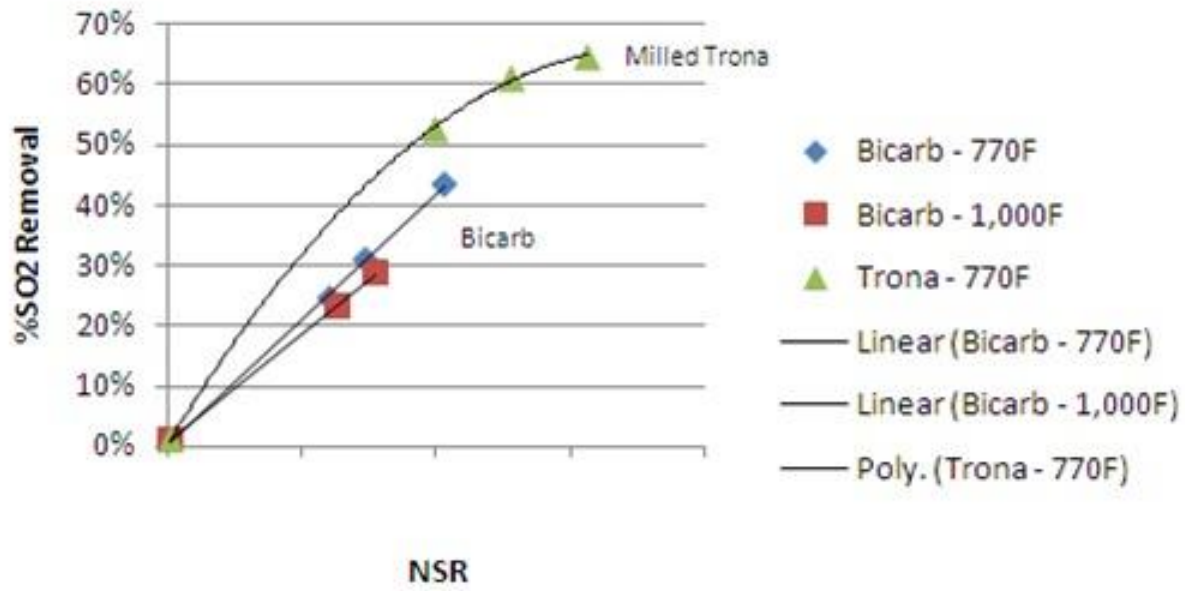


TRONA VS. SODIUM BICARBONATE CONT'D

- At temperatures around 280°F to 650°F sodium bicarbonate is more reactive than trona.
- But when used upstream of the air preheater at temperatures in the 700°F to 1000°F range Trona outperforms sodium bicarbonate.



TRONA VS. SBC AT HIGH TEMPERATURES



APPLICATION SUCCESS FACTORS

- Sorbent Particle Size
- Residence time to Particulate collector
- Temperature of injection point
- Particulate collection equipment
 - Baghouse or ESP
- Material Distribution
- Material Handling
 - Moisture
 - Pre-calcination





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