Earth’s Technology Providing Cleaner Air
SODIUM DSI TYPICAL INJECTION LOCATIONS

- Bottom Ash
- SCR
- APH
- Baghouse or ESP
- Fly Ash
- Trona or SBC
- FGD Wet Scrubber

Natron Technologies
TRONA VS. SBC AT LOW TEMPERATURE

Injection @ 300 Deg F

%SO2 Removal vs. NSR

- Bicarb
- Sesqui
- Poly. (Sesqui)
- Poly. (Bicarb)
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
Contact Information:

Joshua Allen
Applications Engineer
Joshua.allen@natronx.com
312-520-2218

Michael Brubaker
Commercial Development Manager
Michael.Brubaker@natronx.com
803-317-0447