

"Airborne Process" – Advancement in Emissions Control Technology and By-product Utilization

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This paper presents a breakthrough cost effective emissions control technology that uses regenerated sodium bicarbonate/carbonate for removal SO_x , NO_x , and heavy metals while producing valuable purified fertilizer product.

Together with The Babcock & Wilcox Company, US Filter, and Icon, Airborne has built a scaled-down 5MW demonstration facility in Kentucky at Kentucky Utilities – Ghent Station. This facility will prove the removal capabilities of the process and Airborne's patented Sodium Bicarbonate regeneration process.

Utilizing the wet cake ammonium sulfate (AS) produced at Ghent Station, the fertilizer will be granulated using Airborne's patented granulation process at our sister company Agronomic Growth Industries (AGI) facility in Calgary, Canada.

The paper concludes by recognizing the economic necessity of the effective use of fertilizers and demonstrates the cost effectiveness of our multi pollutant control system.