Motivation





Strategy

••• • •

Develop mass balance spreadsheet on raw materials Calculate FAB system inputs using output data Determine headroom of FAB system given current operational parameters

Corning Fluorine Abatement System Analysis

Delaney Fields, James Kurdi, Hiatt von Alten, Sotharoath Vuthy Senior Design Project Spring 2024 - Advised by Greg Gausman

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CORNING

Challenge: Multiple Furnaces, Staggered Uptimes

Conclusions and Recommendations

/sis shows plant is still operating within permitted limits ncrease manufacturing scale with current system em in-kind addition cost = ~\$20 million; adding limiting ents would cost ≥50% less

em is far too understudied to be replicated; further rization is warranted, starting with this study







