

An Update on Reburn Technology Developments

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Reburn systems are being applied to utility boilers to achieve various levels of NO_x control. Even though the commercial deployment continues, improvements to the reburn process are being developed. This development will improve performance and increase options for achieving NO_x reduction goals. This paper will provide an update of activities related to Advanced Reburning, use of alternate reburn fuels and industrial applications. Advanced Reburning combines conventional reburn with nitrogen agent injection to achieve greater than 75% NO_x reductions. The status of fundamental process improvements and a full-scale demonstration will be reviewed. The performance and costs of alternate reburn fuels will be presented. Applications of reburn to industrial applications will be discussed.