

## Preheater Kiln Technologies

# KILN STABILITY



### **Mid-Kiln Technology**

May be applicable depending upon the type and configuration of the preheater kiln

20% fuel replacement

Increased kiln stability

30% NOx reduction

Improved clinker quality

Improved clinker mineralogy

Improved grindability

Other combustion parameters can be controlled so there is no increase in emissions

### **Mixing Air Technology**

Mixes the stratified layers in the kiln gas and improves combustion characteristics

25~30% fuel replacement (whole tires)

Increased alternative fuels usage (e.g. pet coke)

SOx reduction

Additional 30~50% NOx reduction

Decrease emissions at the same production rate

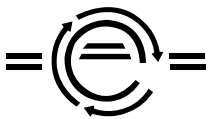
Increase the production rate at the same emission rates

No increase in the potential to emit - should not trigger PSD

Additional control of the kiln

### **Mixing Energy Technology**

Not used in this application



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