SONIC CLEANING of Superheater, Reheater and Economiser at 2x 650 MW coal fired Units

Installation of 6 pcs INSONEX® 400/600 HT and 45 pcs SONOFORCE® IKT 230/170, at each Unit

Plant Miller, belongs to Southern Company – USA. Kockum Sonics and Southern Company has worked in close co-operation since 1998. At this moment 8 power plants within Southern Company have been equipped with sonic cleaning Systems from Kockum Sonics.

Plant Miller has installed Kockum Sonics sonic cleaning system, in their Superheater, Reheater and Economiser sections of boiler Unit 1 and Unit 2.

The results after installing Kockum Sonics sonic cleaning system are:

- Decreased maintenance and operation costs
- Increased Power output
- Higher fuel efficiency
- Reduced use of steam soot blowers
- Improved life time of boiler tubes
- Improved heat transfer efficiency
- Less environmental impact

Kockum Sonics INSONEX 400/600 HT at superheater
For further information about our products and our company please contact us.

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Sonic cleaning can be used for ash removal in Superheaters, Economizers, Air Heaters, Electrofilters, Baghouse filters and many more applications.

Kockum Sonics installation at Plant Miller Unit 1 & Unit 2

2x3 Infrasound Generators type INSONEX 400/600 HT located opposite each other

3x3 Sonic Horns SONOFORCE type IKT 230/170 on each of the 5 levels indicated

Sonic horn
Type IKT 230/170
SPL (1m) 153 dB
Air consumption 70-108 l/s (2.5-3.8 cfs)