

Application Report No. A 03-5e

Cleaning of Boilers – Flame-exposed Side

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KAMAT Su Jeti

Cleaning boilers in power plants is a job which has to be carried out regularly. If the walls and the pipe bundles of the boilers are polluted, their efficiency will be reduced. To keep the costs of heating up the boilers as low as possible, these deposits have to be removed regularly. Worldwide, most of the power plants engage service companies to carry out the work. Such service companies make use of high pressure water to do the job. There are two possible methods of solving the problem: Either manually, using high pressure guns or semi-automatically using tank cleaning heads with guiding devices.



Photos above:

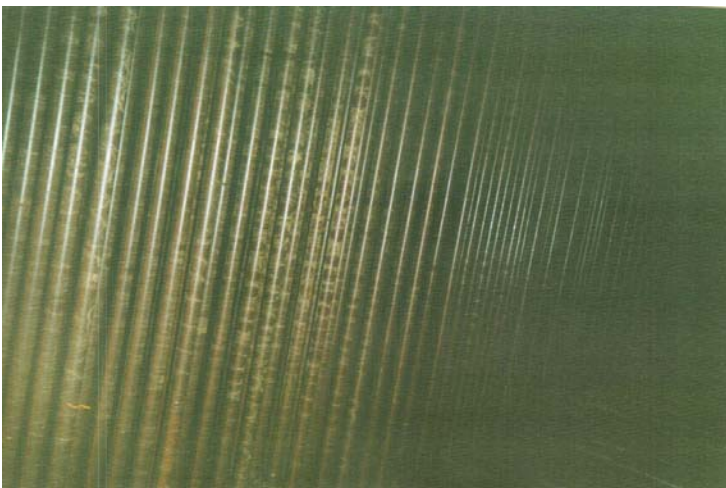
The pictures show a soiled boiler which has been turned off, before the cleaning work has been started.

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Photos on the left:

All pictures show the boiler on the flame-exposed side after the cleaning with high pressure water has taken place.

On this particular boiler, the work was carried out with high pressure guns, at a working pressure of 600 bar.

The insert nozzles used were size 2 mm.