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## RSA Catalysts

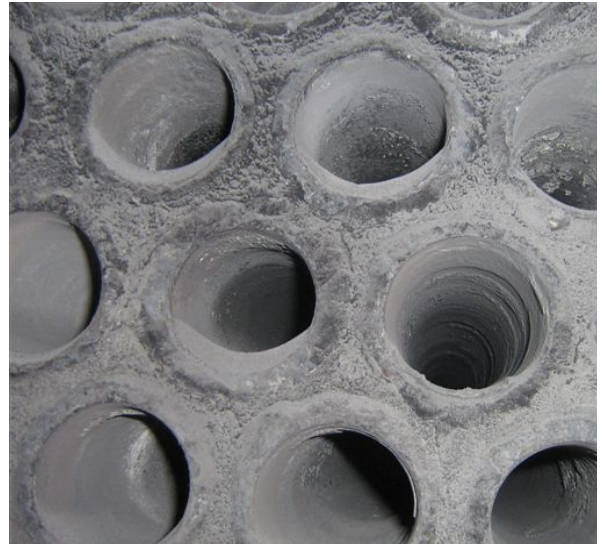
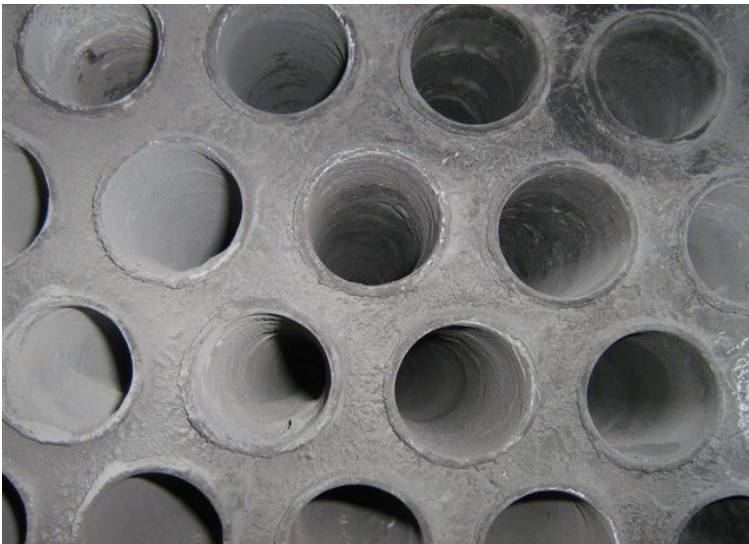
Dear Sirs,

### Boiler Fireside Treatment

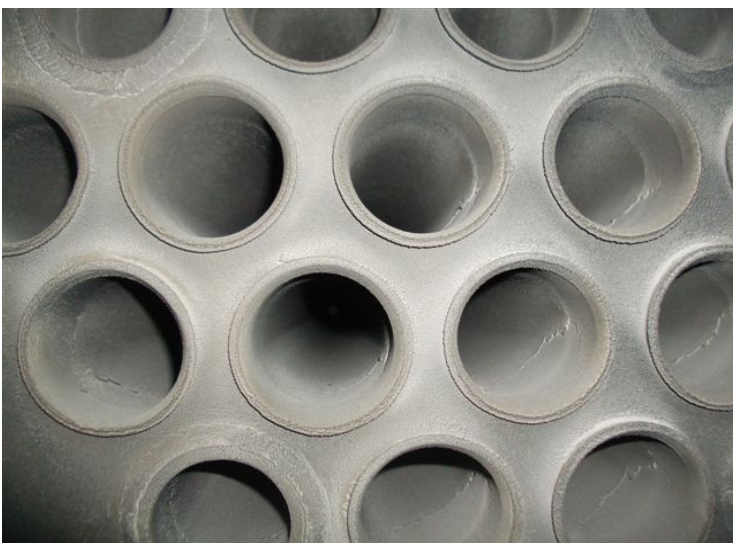
USA DISTILLERS have been using your product for the past two years. On our shut down in 2008 after a year of non stop steaming on our boilers, we found the tubes and tube plates to be very clean.

This year after close to a year of steaming again we experienced the same trend.

Below are some photographs of our boilers before starting your treatment, which was normally after three to four months of steaming and since starting your treatment.



**AFTER THREE to MONTHS OF STEAMING (Without Treatment)**



**AFTER ELEVEN MONTHS OF STEAMING (With Treatment)**

As can be seen from the above photographs there is a vast difference. Whereas in the past we had to shut down our boilers three to four times a year for cleaning, now we run through the whole season with no shut downs for cleaning.

Normally we used to spend three to four days per boiler for cleaning. This year we have done all three boilers in three days due to the build up being soft and friable. Our grit arrestors also required very little cleaning.



**GRIT ARRESTORS BEFORE CLEANING**

Of note is that our stack emission color has been very clear throughout the season. (Sometimes one would be under the impression that the boilers were shut down)

Our ash discharge has also been very good with no unburnt coal or slagging. The Sulphur levels have dropped from 0.82% down to 0.02%. The Phosphorus levels are also very low at 0.48% compared to the norm of 3.5%

Of major importance it appears that our boilers are steaming much more efficiently with a steam to coal ratio of 8.4 tons steam per ton coal.

The staff and management have been very professional and pleasant.

I trust that in the forthcoming season we will see the same results and look forward to our continued association.

Yours Truly

**W Saunders**

Ward Saunders

**Utilities Manager**