

WATER TREATMENT DO'S & DON'TS

| | DO: | DON'T: |
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| 1. | Establish a comprehensive water treatment program consisting of: soft water, chemical treatment, monitored blowdowns, regular water sample analysis & internal tube inspections. | Assume everything will be OK. |
| 2. | Use soft water 100% of the time. | Use City water if hardness exceeds 2 grains per gallon (34.2 ppm). |
| 3. | Use a proper Boiler Water Treatment for your application. | Just read the instructions on the chemical container, contact the Manufacturer for their recommendations. |
| 4. | Add Boiler Water Treatment by an Automatic Chemical Feed System. Contact your Chemical Supplier for their recommendation. | Batch treat chemical as this will not provide uniform chemical levels in the boiler throughout operating period. |
| 5. | Blowdown boiler to maintain TDS between 2600 ppm (3600 micromhos/cm)-3200 ppm (4600 microhos/cm). Partial blowdowns during the shift should normally be adequate. If complete blowdowns are required, complete blowdowns should be made in the morning or during normal operating period. | Make a complete blowdown at end of operating period as this may lead to serious oxygen corrosion problems or leave the boiler dry after blowdown. |
| 6. | Regular Water Analysis at a minimum of once a month to confirm Water Treatment Program is correct. Do insist on a monthly Water Analysis from your Supplier. | Just assume you're doing a good job of protecting your boiler. The Supplier of your Boiler Water Treatment will normally test your boiler water at no charge. |
| 7. | Regular internal inspections. Most States require an annual inspection to determine what condition the internal water side of the boiler is in. This is for your benefit and may prevent expensive repairs. | Ignore inspections even if your boiler is exempt from Operating Permits and internal inspections. We would strongly recommend you do the internal inspection to confirm that your Water Treatment Program is providing adequate protection from scale build-up, sludge accumulation and corrosion failures. |

Refer to Bulletin 1001B, 1001C and Blowdown instructions for additional information.