



Steam Generation Solutions

A COMPLETE AND
COMPREHENSIVE BOILER
WATER PROGRAM

BioChem
WATER

Boiler Solutions

BIOCHEM WATER HAS THE CAPABILITY TO PROVIDE TECHNICAL SUPPORT AND A TOTAL SYSTEM OFFERING

Softener Servicing

- Hardness slippage investigations
- Suspended solids investigations
- Integrated routine service
- Detection of foulant sources
- Regeneration and cleaning investigations

RO Program and Optimisation Studies

- Chemical analysis of waters and cleaning solutions
- FTIR analysis of waters for organics
- XRF analysis of recovered solids
- Microscopic analysis of recovered solids
- Biological analysis of waters
- Scale inhibitor efficiency testing
- Cleaning program efficiency testing
- Statistical mass balance data compilation

Deaerator Studies

- Online dissolved oxygen studies
- Water chemistry and temperature data logging
- Fouling identification studies

Program Performance Verification Studies

- Feedwater quality studies
- Boiler water quality studies
- Steam quality and carryover studies
- Condensate quality studies

Program Optimisation Studies

- Site application and steam cycle survey
- Chemical analysis of waters
- Optimum program computer modelling
- Application lab process simulation testing
- Optimum program development

Boiler Equipment Inspection

- Internal boiler inspections
- Deposit analysis and remediation
- Corrosion detection and investigation

Forensic Analysis

- Waterside deposit analysis and remediation program development
- Boiler water contaminant identification
- Metallurgical corrosion failure analysis
 - Boiler tubes
 - Pressure vessel shells
 - Economiser tubes
 - Superheaters
 - Steam lines
 - Condensate pipework
 - Feedwater pumps/lines
- Steam contaminant identification
- Turbine foulant identification
- RO membrane autopsy
- Demin resin condition analysis



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