Cooling Tower / Boiler Monitoring Checklist (1-Page)

Use this as a minimum viable monitoring routine to validate scale inhibition performance and keep results repeatable.

Plant / Line: _____ Date: _____ System: [ ] Cooling Tower [ ] Boiler

Cooling Tower Checklist

Daily

[ ] Check conductivity and confirm blowdown status

[ ] Check pH (record daily trend)

[ ] Visual check: basin clarity, visible deposits, abnormal foaming

Weekly

[ ] Total hardness (as CaCO3) trend

[ ] Turbidity / TSS trend (if relevant)

[ ] Confirm cycles of concentration target and adjust blowdown if needed

Monthly

[ ] Quick inspection: deposits on fill/heat exchangers (if accessible)

[ ] Review approach temperature / flow indicators vs baseline

[ ] Review chemical dosing log vs operating changes (seasonal make-up water shifts)

Target / Notes

Typical focus: cycles of concentration, hardness drift, deposit trend, and stable blowdown control. Record any seasonal make-up water change.

Boiler Checklist

Daily

[ ] Confirm blowdown schedule and log

[ ] Record feedwater pH / conductivity (or plant standard)

[ ] Watch for abnormal pressure/temperature efficiency signals

Weekly

[ ] Feedwater hardness trend (or treated water verification)

[ ] Alkalinity trend (plant method) and any carryover signs

[ ] Review dosing log and any upset events

Monthly

[ ] Inspection notes (as available): deposit trend, strainers, sample points

[ ] Heat transfer KPI review (fuel/steam ratio or plant equivalent)

[ ] Update cleaning interval projection based on trends

Target / Notes

Typical focus: blowdown discipline, feedwater hardness control, deposit indicators, and heat transfer KPI trend.

Actions / Observations

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Tip: Keep this checklist with your dosing log and COA/TDS file. Repeatable monitoring improves both performance and procurement confidence.