Recovery Boiler Cleaning

MPW's recovery boiler cleaning services substantially improve operating reliability while minimizing unforeseen shutdowns. Recovery boiler shutdowns dramatically reduce or even halt mill production, which translates into several hundred thousand dollars per plant per day. Scale build-up on boiler tubes, salt cake in the upper furnace, clinkers in the firebox, smelt bed and deposit formation in the convection pass section all mandate specialized industrial cleaning procedures.

With more than 30 years of industrial cleaning experience in the pulp and paper industry, MPW's highly skilled workforce coupled with an extensive fleet of high pressure hydroblasting and wet/dry vacuum equipment effectively clean diverse boiler designs and sizes, maximizing recovery boiler efficiency. Even the largest clinker is removed with surgical precision, avoiding costly damage to tubes.

Smelt bed removal for floor tube inspection facilitates access for non-destructive testing. Using high pressure waterblasting techniques followed by abrasive blasting, MPW technicians remove problematic smelt, verifying that the membrane between the tubes is free of scale.

Depending on the severity of the cleaning projects within the boiler, technicians apply 10K or 20K p.s.i hydroblasting increasing intensity when needed. To expedite refractory removal from side seals, crotch seals, smelt runs and the boiler floor, MPW's 40K p.s.i. waterjet units effortlessly remove remaining refractory still adhering to seal areas, walls and floor. Industrial vacuum trucks collect the waste and effluent generated during all phases of the project.

Recovery boilers are the heart of the pulp and paper making process and the most capital-intensive operation in the mill. MPW reduces the length of planned outages through a comprehensive analysis and optimization of the boiler and its components, resulting in major cost savings.

At MPW, engineers and fabrication technicians customize waterblasting nozzles and retractable automated tooling to enter at smelt bed inspection ports, minimizing safety risk to personnel.

Contact your local MPW Representative today for more information on how MPW increases recovery boiler efficiency.

MPW Industrial Services

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