



SLAG TACTICAL

10 Key Tips for managing Slag on Solid-Fuel Fired Boilers



1. Firing safety, combustion and slag management begins with fuel selection and preparation.
2. Optimize particle sizing, distribution and gas velocities
3. Management of combustion airflow proportions, distribution and control excess oxygen as a precursor to balance gas flow.
4. Ensure gas tightness and reduce all paths of air in-filtration
5. Conduct periodic burner tuning and manage out-of-service firing equipment
6. Balancing exit gas temperatures by optimizing heat absorbed by the various boiler components.
7. Furnace exit gas temperatures should be periodically monitored with furnace HVT equipment as a functional check to "real-time" monitoring equipment.
8. Boiler component condition, alignment and surface condition are an important part of reducing slag plugging and restriction.
9. Air pre-heater performance optimization – efficiency, effectiveness and cleanliness for proper heat recovery and air distribution
10. Monitor key performance indicators at the boiler to prevent slagging incidents