

# Boiler Room Safety Audits

A boiler room safety audit is an on-site, third-party boiler room assessment conducted by Kadant Johnson to identify gaps in safety, housekeeping, and operating practices.

## Overview



### Features

- Independent - 3<sup>rd</sup> party audit
- Review of key hardware and processes
- More than 70 audit checkpoints
- Action list of prioritized issues



### Benefits

- Identification of immediate safety issues
- Clear prioritization of actions
- Best practices sharing
- Outside audit ensures objectivity



## General Boiler Room

The overall boiler room is audited to ensure the area is being properly permitted, maintained, and documented. Any areas that fail are documented with photos and detailed comments.

### General Boiler Audit Points

- Permits
- Lock-out / tag-out
- Guarding and shields
- Postings
- Standard procedures
- Documentation
- Maintenance logs
- Disaster recovery plan

## Boiler Safety Devices

A comprehensive audit of specific boiler safety devices is conducted to ensure they are being maintained and are functioning properly. The focus is on sensors that monitor and control the natural gas flow, combustion, water levels, pressure, and exhaust temperatures of the boiler.

### Boiler Safety Device Audit Points

- Natural gas limit switch
- Auxiliary low water cut off
- Temperature monitors
- High steam pressure unit
- Boiler e-stop
- Low water cut off
- Flame scanner
- Safety relief valves

## Boiler Room Equipment

Additional pressure vessels such as high-pressure receiver and deaerator tanks are audited. Proper maintenance and operation of this equipment is critical to boiler room safety and often overlooked.

### High-Pressure Receiver and DA Tank Audit Points

- Low water cut off
- Safety relief valves
- Insulation
- Operating pressure
- Permits/maintenance log
- NDT certification check