THE 10 WORST BOILER ROOM NIGHTMARES

POWER MECHANICAL INC. OCTOBER BLOG





LOW WATER

A LOW-WATER CONDITION CAN CAUSE SEVERE BOILER DAMAGE AND CREATE A SERIOUS SAFETY HAZARD. ROUTINELY TEST YOUR BOILER'S LOW-WATER CUTOFFS ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE SAFETY REQUIREMENTS.

NEVER OPERATE A BOILER IF ITS SAFETY CONTROLS ARE NOT FUNCTIONING PROPERLY.

1. DON'T LET YOUR BOILER RUN BONE-DRY

RELIEF VALVES

SAFETY RELIEF VALVES ARE A CRITICAL LINE OF DEFENSE AGAINST DANGEROUS OVERPRESSURE.

HAVE THEM INSPECTED, TESTED, AND RECERTIFIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE SAFETY REQUIREMENTS.



RELIEF VALVES UNDER TOO MUCH PRESSURE? 2.



IMPROPER TRAINING

PROPER TRAINING PREPARES BOILER OPERATORS TO RECOGNIZE WARNING SIGNS, FOLLOW SAFE OPERATING PROCEDURES, PERFORM ROUTINE MAINTENANCE, AND KEEP ACCURATE RECORDS.

A KNOWLEDGEABLE TEAM CAN HELP PREVENT SMALL PROBLEMS FROM BECOMING BOILER ROOM NIGHTMARES.

3. UNTRAINED OPERATORS ARE A SCARY SIGHT

POOR HOUSEKEEPING

LEAKS, CLUTTER, BLOCKED WALKWAYS, AND IMPROPERLY STORED EQUIPMENT CAN CREATE SERIOUS BOILER ROOM HAZARDS.

KEEP FLOORS DRY, EXITS CLEAR, EQUIPMENT ACCESSIBLE, AND COMBUSTION-AIR OPENINGS UNOBSTRUCTED.



CLEAR THE CLUTTER BEFORE DISASTER CREEPS IN 4.

CONTINGENCY PLANNING



AN UNEXPECTED BOILER OUTAGE CAN INTERRUPT HEATING, STOP PRODUCTION, AND COST YOUR FACILITY VALUABLE TIME. CREATE AN EMERGENCY PLAN, KNOW YOUR REQUIRED CAPACITY, AND PREPARE EXTERIOR RENTAL CONNECTIONS BEFORE TROUBLE STRIKES.

DON'T LET DOWNTIME HAUNT YOU

5.

SCALE AND CORROSION



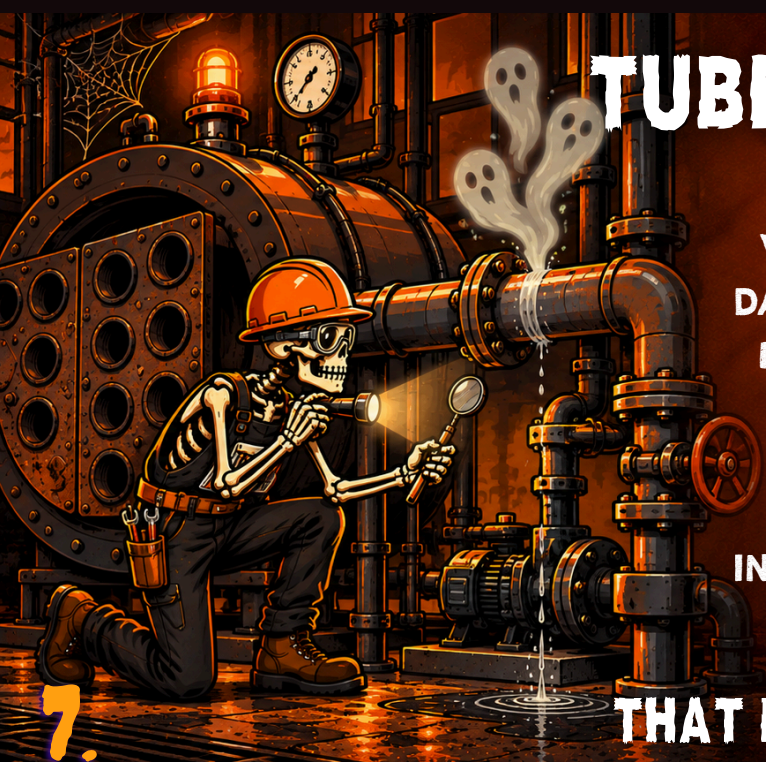
POOR BOILER-WATER TREATMENT CAN LEAD TO SCALE, SLUDGE, AND CORROSION. THESE PROBLEMS RESTRICT HEAT TRANSFER, REDUCE EFFICIENCY, AND CAN EVENTUALLY CONTRIBUTE TO OVERHEATING AND TUBE FAILURE.

REGULARLY MONITOR AND TREAT YOUR BOILER WATER TO HELP PROTECT THE ENTIRE SYSTEM.

SOMETHING WICKED IS BREWING IN YOUR WATER

6.

TUBE AND PIPING LEAKS



WATER OR STEAM LEAKS CAN SIGNAL DAMAGED TUBES, DETERIORATED SEALS, LOOSE CONNECTIONS, OR CORROSION.

EVEN A SMALL LEAK CAN BECOME A LARGER PROBLEM, SO HAVE IT INVESTIGATED PROMPTLY BY QUALIFIED BOILER PROFESSIONALS.

THAT DRIPPING SOUND ISN'T A GHOST

7.

BURNER & COMBUSTION PROBLEMS



INCORRECT FUEL-TO-AIR RATIOS, WORN BURNER COMPONENTS, BLOCKED COMBUSTION-AIR OPENINGS, AND IGNITION PROBLEMS CAN CREATE UNSTABLE OR INEFFICIENT COMBUSTION.

ROUTINE BURNER INSPECTIONS AND PROFESSIONAL COMBUSTION TUNING HELP KEEP YOUR BOILER OPERATING SAFELY AND EFFICIENTLY.

BEWARE OF THE BAD BURN

8.

DON'T LET BOILER PROBLEMS HAUNT YOUR FACILITY.

HOW POWER MECHANICAL CAN HELP:

- 24/7 EMERGENCY BOILER RENTALS
- BOILER REPAIRS AND PREVENTIVE MAINTENANCE
- BURNER SERVICE AND COMBUSTION TUNING
- RELIEF VALVE TESTING AND RECERTIFICATION
- REPLACEMENT BOILER PARTS
- BOILER OPERATOR TRAINING THROUGH STEAM SCHOOL
- BOILER INSTALLATIONS AND RENTAL CONNECTIONS



1-877-764-7832

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PREPARE YOUR FACILITY BEFORE TROUBLE STRIKES.