HEAT TRACE SYSTEM AUDIT

Thermon's Heat Trace System Audit is a comprehensive assessment to ensure system reliability. This detailed analysis is an essential maintenance tool that provides an opportunity to address heat trace issues and prevent costly downtime.

INDUSTRIES INCLUDE:

- Power
- Chemical
- Oil and Gas
- Petrochemical
- Waste Water Treatment
- Pulp and Paper
- Pharmaceutical
- Offshore Maritime
- Renewables
- Mining

BENEFITS

Over 60 years leading the heat tracing industry

Preventive maintenance to avoid unexpected system outage

System optimization to increase ROI

Updated documentation to reflect current field as-built status

Spare parts management

Personnel Training

TMP0063-0221

HEAT TRACE SYSTEM CHECKLIST

Thermon's Heat Trace Audit Report for your system will include:

> Detailed observations and test results

> Photographs of potential issues

> Existing and potential risk factors

> Budget estimate to repair the heat tracing system

> Recommendations to improve performance

> Proactive maintenance procedures for optimization

> Documentation for FERC Winterization Compliance

TESTS PERFORMED FOR AUDIT:

✓ **Insulation Resistance (IR) Test**
Ensures electrical resistance integrity on heat tracing circuits

✓ **Heat Trace Panel Analysis**
Verifies control panel programming and terminations to ensure proper functioning

✓ **Power Operational Test**
Electrical voltage, current and fault check on heating circuits

OTHER ASSESSMENTS

> Pre-Insulated tube bundle inspection

> Thermal Insulation inspection

> Heat Trace system installation inspection

> Heated enclosure inspection

> Temperature controller/thermostat test

> Electrical wire connection inspection

> Conduit distribution system and fittings

> Heat Trace Safety check

PIPE AND VESSEL HEATING

INSTRUMENT HEATING

CONTROL AND COMMUNICATION