

ANOMALY RESPONSE PROCEDURES

TEMPERATURE ANOMALIES

Sudden Inlet Temperature Drop:

- Likely causes: Feed interruption, draft surge, cooling system malfunction
- Immediate action: Check feed system, verify draft readings
- If draft spike coincides: Probable blockage clearing event
- Monitor for 15-30 minutes before intervention

Gradual Temperature Increase:

- Likely causes: Material accumulation, reduced airflow, process drift
- Immediate action: Inspect cone section, check fan operation
- Initiate controlled shutdown if temperature $>380^{\circ}\text{C}$

DRAFT ANOMALIES

High Negative Pressure:

- Indicates blockage or excessive fan speed
- Reduce fan speed by 10%, inspect for blockages
- Do not exceed -250 Pa for extended periods

Low or Positive Pressure:

- Indicates leak, fan failure, or bypass valve issue
- Check all access points for leaks
- Verify fan operation and bypass valve position

COMBINED ANOMALIES

Temperature drop + Draft spike:

- Classic signature of blockage clearing
- Usually self-correcting
- Document event and inspect during next maintenance

Temperature spike + Draft drop:

- Serious condition indicating possible fan failure
- Initiate emergency shutdown procedures
- Do not restart until root cause identified