### INFRARED INSPECTION REPORT SHEET

**OWNER**: Example Owner  
**PLANT**: Example Plant  
**SUBSTATION**: INFRARED  
**POSITION**: AUTOMATED  
**DATE**: 10/10/2014

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### EQUIPMENT TESTED

- **Reference Temperature**
- **Problem Temperature**
- **Difference Temperature**

<table>
<thead>
<tr>
<th></th>
<th>Normal</th>
<th>Alert</th>
<th>Severe</th>
<th>Critical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 4°C</td>
<td>4°C to 8°C</td>
<td>8°C to 15°C</td>
<td>Greater Than 15°C</td>
<td></td>
</tr>
</tbody>
</table>

### VARIABLES

- **Phase A**
- **Phase B**
- **Phase C**

### PROBLEM POLE LOCATION

- **Current Rating (Amps)**
- **Current Draw (Amps)**
- **THDC (%THD-F)**
- **Voltage Drop (Volts)**

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### Problem Description -

- Immediate Hazard
- Customer Notified Immediately

- **Problem Corrected**
- **Overloaded Circuit**
- **Tightened/Torqued Connection**
- **Corroded/Discolored**
- **Excessive Current Harmonics**
- **Stripped/Cross-Threaded Hardware**

### Consequences if Not Corrected

- **Equipment Failure**
- **Fire Hazard**
- **Safety Hazard**
- **Power/Business Interruption**

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### COMMENTS:

**DEFICIENCIES:**
# Infrared Inspection

**Owner:** Example Owner  
**Plant:** Example Plant  
**Substation:** INFRARED  
**Position:** AUTOMATED  
**Date:** 10/10/2014  
**Humidity:** %  
**Job #:** INFRARED

## Equipment Tested

<table>
<thead>
<tr>
<th>Normal</th>
<th>Alert</th>
<th>Severe</th>
<th>Critical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less Than 4.1°C</td>
<td>4.1°C to 8.0°C</td>
<td>8.1°C to 15.0°C</td>
<td>Greater Than 15.0°C</td>
</tr>
</tbody>
</table>

## Reference Temperature  
PROBLEM TEMPERATURE  
DIFFERENCE TEMPERATURE  
CALCULATED MAX TEMPERATURE

<table>
<thead>
<tr>
<th>LOAD CORRECTION PHASE</th>
<th>PHASE A</th>
<th>LOAD CORRECTION FACTOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>VARIABLES</td>
<td>PROBLEM POLE LOCATION</td>
<td>CURRENT DRAW (AMPS)</td>
</tr>
<tr>
<td>PHASE A</td>
<td></td>
<td></td>
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<tr>
<td>PHASE B</td>
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<tr>
<td>PHASE C</td>
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</tbody>
</table>

- [ ] Problem Corrected  
- [ ] Tightened/Torqued Connection  
- [ ] Corroded/Discolored  
- [ ] Overloaded Circuit  
- [ ] Excessive Current Harmonics  
- [ ] Stripped/Cross-Threaded Hardware

## Consequences if Not Corrected

- [ ] Equipment Failure  
- [ ] Fire Hazard  
- [ ] Safety Hazard  
- [ ] Power/Business Interruption

## Comments:

DEFICIENCIES:

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**Test Equipment Used:**  
**Tested By:** Default Administrator

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45444, REVISED 2/3/2014
## THERMOGRAPHIC INSPECTION

**OWNER**

Example Owner

**PLANT**

Example Plant

**AMBIENT TEMP.**

°F

**DATE**

10/10/2014

**HUMIDITY**

%

**JOB #**

INFRARED

**SUBSTATION**

INFRARED

**POSITION**

GENERAL

**ASSET ID**

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<table>
<thead>
<tr>
<th>LOCATION</th>
<th>PANEL NUMBER</th>
<th>POSITION</th>
<th>NOTES</th>
<th>THERMOGRAPHIC IMAGE FILE ID</th>
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<tbody>
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**COMMENTS:**

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**DEFICIENCIES:**

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TEST EQUIPMENT USED: Default Administrator

TESTED BY: Default Administrator

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### INFRARED INSPECTION SUMMARY

<table>
<thead>
<tr>
<th>OWNER</th>
<th>Example Owner</th>
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<tbody>
<tr>
<td>PLANT</td>
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<td>POSITION</td>
<td>GENERAL</td>
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</tbody>
</table>

**AMBIENT TEMP.** °F  **DATE** 10/10/2014  **HUMIDITY** %  **JOB #** INFRARED

<table>
<thead>
<tr>
<th>LOCATION / DESIGNATION</th>
<th>CONDITION</th>
<th>REMARKS</th>
</tr>
</thead>
</table>

**COMMENTS:**

**DEFIENCIES:**

**TESTED BY:** Default Administrator