



# Pole Mount/Pedestal Mount Rectifier Test and Site Evaluation Form

GT&D  
01/09  
FO-11.1-A

(Form must be completed in Non-erasable ink)

Record Information					
Address	City	CPA #			
Rectifier #	Rectifier Manufacturer	Rectifier Serial #			
Area	Division	District			
Check AC Switch Box, Rectifier and DC Riser, for AC before starting any work. If AC is found correct immediately, or de-energize Rectifier. Check box for all items inspected and Record AC/DC voltage and DC amperage measurements leave blank if not applicable. Note corrections or changes in Log on back of form. All defective items must be corrected within 30 days, initiate an action plan for items not corrected within 30 days.					
Items of Inspection					



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<b>AC Voltage</b>	Verify Arc Flash sticker is installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Test riser, switch box, and rectifier for AC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Check for continuity between the AC disconnect and the DC riser	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Inspect paint condition of rectifier and AC disconnect switch enclosures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PVC service riser free of separations, defects, and securely strapped	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Verify AC disconnect switch enclosure is locked	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Verify AC disconnect switch handle can be and is locked in the "on" position	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Inspect AC disconnect switch for any openings or exposed wires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Inspect AC disconnect switch for internal corrosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Verify ground wire is connected to AC disconnect neutral bus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Verify bonding screw or jumper is installed in AC disconnect neutral bus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Verify bonding screw or jumper and AC disconnect switch box are common	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Verify that the hot leg is fused and that the neutral wire is connected to the neutral bus	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Record AC Breaker disconnect switch rating					
	Record Fusible AC disconnect switch rating					
	Record AC Voltage ( <i>per Electric Rule 2 could range between 114 VAC – 126 VAC</i> )					
	Record AC Breaker or Fuse size ( <i>fuse should be rated 10% above the maximum amp rating of rectifier or next highest size</i> )					
	<b>Ground Resistance</b>	Verify ground rods are below grade and resistance is at or below 25 ohms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Record Ground Resistance as found ( <i>in ohms</i> )						
If Ground Resistance is above 25 ohms, verify integrity of all grounding connections		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ground resistance is above 25 ohms, 2 <sup>nd</sup> ground rod is installed 6' apart		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Record Ground Resistance as left ( <i>in ohms</i> )						
<b>Rectifier</b>	Verify Rectifier Enclosure is locked	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Verify PG&E Equipment Identification sticker is installed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Inspect Rectifier for any openings or exposed wires	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Inspect rectifier for internal corrosion	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Record Rectifier DC Amps Rating					
	Record Rectifier DC Volts Rating					
	Record Rectifier DC Amps					
	Record Rectifier DC Volts					
<b>Record Review</b>	RECORDED BY ( <i>INITIALS</i> )					
	RECORDED BY ( <i>LAN ID</i> )					
	DATE ( <i>MONTH/DAY</i> )					
	REVIEWED BY ( <i>INITIALS</i> )					
	REVIEWED BY ( <i>LAN ID</i> )					
	DATE ( <i>MONTH/DAY</i> )					

LOG

RECTIFIER # \_\_\_\_\_

DATE	INITIALS	LAN ID	WORK DESCRIPTION



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