

Underground Rectifier Test and Site Evaluation Form

(Form must be completed in Non-erasable ink)

Record Information											
Address		City		CPA #							
Rectifier #		Rectifier Manufacturer		Rectifier Serial #							
Area		Division		District							
Check for AC on all risers, ground connections and Rectifier 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											
AC Volta ge	Verify AC Disconnect Switch has been installed (<i>if not contact Distribution Specialist</i>)					*	*	*	*	*	
	Verify Arc Flash & PG&E ID sticker is installed on cap of AC Disconnect Switch					*	*	*	*	*	
	Inspect AC disconnect switch for abnormal operating conditions					*	*	*	*	*	
	Test Riser, AC Switch, Rectifier case and all ground connections for AC					*	*	*	*	*	
	Record AC Voltage (<i>per Electric Rule 2 could range between 114 VAC - 126 VAC</i>)										
	Verify Fusetron is installed correctly and neutral wire is connected to the neutral bus					*	*	*	*	*	
	Record fuse size of Fusetron (<i>fuse should be rated 10% above the maximum amp rating of rectifier or next highest size</i>)										
G r o u n d R e s i s t a n c e	G r o u n d R e s i s t a n c e	Verify neutral terminal is common with Rectifier case and ground rod					*	*	*	*	*
		Verify cathode terminal is not common with the neutral terminal					*	*	*	*	*
	G r o u n d R e s i s t a n c e	Verify neutral terminal is not common with ground terminal					*	*	*	*	*
		Verify ground terminal is common with cathode terminal					*	*	*	*	*
		Verify ground terminal is common with Rectifier case and ground rod					*	*	*	*	*
	G r o u n d R e s i s t a n c e	Verify ground terminal is common with neutral terminal, Rectifier case and ground rod					*	*	*	*	*
		Verify cathode terminal is not common with neutral terminal, Rectifier case and ground rod					*	*	*	*	*
	W e s t e r n U n i t	Verify ground terminal is common with neutral terminal and ground rod					*	*	*	*	*
		Verify ground terminal is not common with cathode terminal					*	*	*	*	*
		Verify ground terminal is common with Rectifier case and ground rod					*	*	*	*	*

Underground Rectifier Test and Site Evaluation Form

(Form must be completed in Non-erasable ink)

A I I	Verify cathode terminal is not common with neutral, casing or ground rod	*	*	*	*	*
	Verify ground rods are below grade and resistance is at or below 25 ohms	*	*	*	*	*
	Record Ground Resistance as found <i>(in ohms)</i>					
	If Ground Resistance is above 25 ohms, verify integrity of all grounding connections	*	*	*	*	*
	Ground resistance is above 25 ohms, 2 nd ground rod is installed 6' apart	*	*	*	*	*
	Record Ground Resistance as left <i>(in ohms)</i>					
Rectifier	Verify cooling oil is clear and casing is filled to top of Rectifier transformer	*	*	*	*	*
	Record Rectifier DC Amps Rating					
	Record Rectifier DC Volts Rating					
	Record Rectifier DC Amps					
	Record Rectifier DC Volts					
Record Review	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

Underground Rectifier Test and Site Evaluation Form

(Form must be completed in Non-erasable ink)
