

## **Rectifier Test and Site Evaluation**

GD&TS 09-2003 FO-11.1-A

Inspector Date									
Rectifier #							Div.		
Re	ctifier Mfg.	Office							
Serial # City									
Rectifier Readings		ac Volts as	dc Volts as			Amps as			
Test		Found/Left	Foui	nd/Left		Found/Left			
_	17		I = ". 5.			1 = 0			
				sconnect Switch?		_	Fuse Size		
Readings Breaker a				Disconnect Switch?		Breaker	Breaker Size		
Items of Inspection				Finding Y/N P (poor), OK, or NA	Fixed? Initial		Action Taken		
Pole	Check riser, switch box, and rectifier for ac								
	Verify weatherhead is installed or ac service conduit riser is sealed								
	Riser nail clips/straps don't exceed 3' spacing								
	PVC Sch. 80 service riser free of separations, defects, and securely strapped								
All	Test for presence of voltage								
	Verify ac disconnect switch enclosure is locked								
	Verify ac disconnect switch								
	Verify ac disconnect switch handle is capable of being locked in "on" position								
	Inspect ac disconnect switch for internal corrosion Poor/OK								
	Verify ground wire is connected to ac disconnect neutral bus								
	Verify bonding screw or jumper is installed in ac disconnect neutral bus								
	Verify bonding screw or jumper and ac disconnect switch box are common								
All	Validate that the hot leg is fused and that the neutral wire is connected to the neutral bus								
	Verify fuse or circuit breaker in ac disconnect is 10% greater than the maximum								
	amp rating of rectifier or next standard size fuse or breaker (2, 2.5, 3, 5, 7.5, or 15 amp)								
	Rectifier enclosure locked?								
	Inspect rectifier for internal corrosion Poor/OK								
	Verify rectifier input voltage								
	Test rectifier dc output volt								
	Test rectifier shunt								
	Exercise and lubricate vari								
All	Inspect paint condition of rectifier and ac disconnect switch enclosures								
	Verify all ground rods are below grade								
	Test grounding system and verify ground resistance is at or below 25 ohms or has two ground rods								
	If ground resistance is above 25 ohms, verify integrity of all grounding connections								
	Install additional rod if resistance is still greater than 25 ohms								
	Inspect rectifier and ac disconnect switch for any openings or exposed wires								
	Verify gas distribution sticker is installed								
Underground	Verify waterproof ac disconnect switch is installed at subsurface rectifier sites								
	Verify that the rectifier cas								
	Verify waterproof fuse holder is properly installed								
	Test for presence of voltage on rectifier case								
bū	Inspect rectifier case for signs of corrosion or leakage								
	Inspect gasket for deterioration or debris when replacing rectifier cover								

Material Redacted GTR0008476