

Performance Profile Sheet (Page 1 of 2)

NCCER Training

Craft: Pipeline Corrosion Control Level 1
 Module: CT4_1-17
 Module Title: Troubleshoot Rectifier



Trainee Name: _____

Training Program
 Sponsor: _____

Instructor: _____

Rating Levels: (1) Passed: performed task (2) Failed: did not perform task
 Also, list the date the testing for each task was completed.

Recognition: When testing for the NCCER Training Program, be sure to record Performance testing results on the Registration of Training Modules form, and submit the results to the Training Program Sponsor.

OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
2	Troubleshoot rectifiers (CT4_1-17).				
	Identify potential abnormal operating conditions (AOCs) that may occur during performance of this CT, and know the appropriate actions to take in response to them.				
	Utilize the appropriate personal protective equipment according to relevant company procedures.				
	On the primary AC breaker and with power on, check that voltage is being supplied to the rectifier by confirming AC voltage on the line side of the rectifier's circuit breaker.				
	Remove the primary AC fuses or breakers and check for continuity with ohmmeter.				
	On the transformer and with the unit on, check the transformer secondary by reading AC voltage between the center studs of the tap setting terminals.				

Performance Profile Sheet (Page 2 of 2)

NCCER Training

Craft: Pipeline Corrosion Control Level 1
Module: CT4_1-17
Module Title: Troubleshoot Rectifier



OBJECTIVE	TASK	RATING	DATE	START TIME	END TIME
	Remove secondary AC fuses and check for continuity with ohmmeter.				
	Check the resistance of the diodes in a stack.				
	On DC fuses, remove fuse or fuses and check for continuity using an ohmmeter. Replace defective fuse or fuses with proper size fuse.				
	On bonds, measure the pipe-to-soil potential at the major bond for the company pipeline structure, and measure and record the magnitude and direction of current flow through the bond.				
	If the rectifier requires further evaluation due to abnormal defects or needs adjusting seek assistance from appropriate personnel for additional investigative and corrective actions before making any adjustments.				
	Complete appropriate documentation as required by operator's procedures.				