

ISO 9001 REGISTERED

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RECLOSER CONTROLLER SIMULATED SURGE ARRESTER OPERATION TEST REPORT

Client:	Schweitzer Engineering Laboratories, Inc., 2350 NE Hopkins Court, Pullman, WA – 99163, USA				
Test Date:	16 November and 17 November	, 2010 Project:	20380-27	2	
Nameplate Data	:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Manufacturer: Model: Part No.: Serial No.: Three-Pole Rec Manufacturer: Model: Impulse Level (E Rated Voltage: Rated Current:	Cooper Power Systems Kyle Recloser Type "No 150 kV _{peak} 27 kV _{rms} 630 A _{rms} / 12.5 kA _{rms} int	s, South Milwaukee, Wl va27"			
Serial No.: CP571178011-DH					
Test Witnesses: Mark Feltis, Schweitzer Engineering Laboratories, Inc., Pullman, WA, USA					
Test Standard: IEEE Std C37.60-2003, Clause 6.13.2: "Simulated Surge Arrester Operation Test"					
Atmospheric Co	onditions: Temperatu Relative hu Barometric	midity 47.3 %	16.5 38 %		
Nominal Test Voltage and Current: 120 kV (150 kV * 0.8), 7 kA _{peak}					
Test Configurations Tested (in accordance with the above standard):					
A – Five surges of positive polarity and five surges of negative polarity were applied to each of the three source bushing with the recloser open (total ten surges per bushing). B – Five surges of positive polarity and five surges of negative polarity were applied to each of the three source bushing with the recloser closed (total ten surges per bushing). C – Five surges of positive polarity and five surges of negative polarity were applied to each of the three load bushing with the recloser closed (total ten surges per bushing). D – 15 surges of positive polarity and 15 surges of negative polarity were applied to a properly rated transformer with the recloser closed. E – 15 surges of positive polarity and 15 surges of negative polarity were applied to a properly rated transformer with the recloser open.					
Test Results:		The controller and switch complied with the requirements of IEEE Std C37.60-2003, Clause 6.13.2, configurations A to E.			
Remarks:	None				

Tested by:

Reviewed by:

R.G. Pollock,

Senior Projects Specialist

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