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KYLE RECLOSER WITH CONTROLLER
IMPULSE VOLTAGE WITHSTAND TEST REPORT

Client: Schweitzer Engineering Laboratories, 2350 NE Hopkins Court, Pullman, WA 99163-5603, USA			
Test Date:	22 November 2001	**Project:**	13351-27(A-1)
Recloser Nameplate Data			
Manufacturer:	Cooper Power Systems, South Milwaukee, WI, USA		
Rated voltage:	15.5 kV		
Rated current:	630 A		
Serial no.:	002163-AB		
BIL:	110 kV		
Controller Nameplate Data			
Manufacturer:	Schweitzer Engineering Laboratories		
Type:	Recloser Control SEL-351R		
Part no.:	0351 R11X81X1XX1		
Serial no.:	2001/65118		
Test Witness:	Gregory A. Bow, Schweitzer Engineering Laboratories		
Test Standard:	ANSI/IEEE Std. C37.60-1981, Clause 6.2.1(1)		
Atmospheric Conditions:	Barometric pressure	741.3 mmHg	
	Temperature	16.4 °C	
	Relative humidity	53 %	
Test Voltage:	110 kV_{peak}		
Test Procedure:	Four test configurations, as per Clause 6.2.3 of the above standard, were tested with three positive and three negative impulses.		
Test Results:	A)	The recloser failed the impulse test requirements (external flashovers between horizontal middle phase terminal and ground).	
	B)	The controller passed the impulse test.	

Prepared by:

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Senior Electrical Engineer
13 March 2002

Approved by:

A.J. Vandermaar, P.Eng.
Manager, High Voltage Laboratory
13 March 2002

TEST REPORT № 13326-26

Manufacturer:	Schweitzer Engineering Labs Pullman, WA 99163-5603, USA		
Project No.:	#13326-26	**Test dates:**	20-21 November 2001
Tested device: **Type:** **Tested Reclosers:**	Recloser Control Units #1 and #2 SEC - 351R Recloser #1: Whipp and Bourne, Type GVR Recloser #2: Kyle Recloser, Type NOVA 15		
Tests Performed:	Control Unit #1; Recloser #1: • Cable Charging Current Tests at 21.9 kV, 5.98 A_{RMS}; 20 × CO operations • Transformer Magnetizing Current Tests at 19.9 kV, 19.6 A_{RMS}; 20 × CO operations Control Unit #2; Recloser #2: • Transformer Magnetizing Current Tests at 13.5 kV, 19.7 A_{RMS}; 20 × CO operations • Cable Charging Current Tests at 13.5 kV, 5.25 A_{RMS}; 20 × CO operations		
Witness:	Mr. Gregory A. Bow	Schweitzer Engineering Labs	
Remarks:	The tests were performed under conditions similar to those specified in ANSI/IEEE Standard C37.60-1981, Sections 6.12 and 6.13.		

Tested by:

8 March 2002

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Reviewed by:

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