

Project: 17866-27

28 January 2008

Suneetha Parupalli
G&W Electric Company
3500 West 127th Street
Blue Island, IL 60406

Dear Suneetha:

Controller Simulated Surge Arrester Operation Test Report

Enclosed are three copies of the above test report:

If you have any questions or comments, you may reach me by phone at (604) 590-7464, by fax at (604) 597-6656, or by e-mail at bob.pollock@powertechlabs.com.

Yours truly,

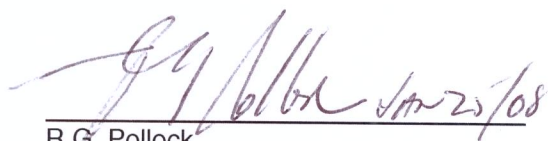

Bob Pollock
Senior Technologist
Power Engineering Labs

Encls.

CONTROLLER SIMULATED SURGE ARRESTER OPERATION TEST REPORT

Client:	G&W Electric Company, 3500 West 127th Street, Blue Island, IL 60406	
Test Date:	21 & 22 January 2008	Project: 17866-27
Nameplate Data:		
Controller:		
Manufacturer:	Schweitzer Engineering Laboratories, Pullman, Washington, USA	
Model:	SEL-351R	
Part No.:	0351R21281X1XX224	
Serial No.:	2003078189	
Recloser:		
Manufacturer:	G&W Electric Company, Blue Island, IL 60406	
Type/Model :	Viper VIP 398ER-12S	
Impulse level (BIL):	110 kV _{peak}	
Rated voltage:	27 kV _{rms}	
Rated current:	800 A _{rms} continuous; 12.5 kA interrupting	
Serial No.:	650-07-0181	
Test Witness:	Suneetha Parupalli, G&W Electric Company	
Test Standard:	IEEE Std C37.60-2003, Clause 6.13.2: "Simulated Surge Arrester Operation Test"	
Atmospheric Conditions:	Jan.21, 2008	Jan.22, 2008
	Temperature	17.6 °C
	Relative humidity	27%
	Barometric pressure	764.2 mmHg
		761.0 mmHg
Test Current:	7 kA _{peak}	
Test Configurations (in accordance with the above standard):		
A – surges applied to the source bushing with the recloser open B – surges applied to the source bushing with the recloser closed C – surges applied to the load bushing with the recloser closed D – surges applied to a properly rated transformer with the recloser open E – surges applied to a properly rated transformer with the recloser closed		
Test Results:	The controller and recloser operated normally following the Simulated Surge Arrester Operation Test performed in accordance with the test procedures as per the above standard. The controller complied with the requirements of IEEE Std C37.60-2003, Clause 6.13.2.	
Remarks:	Test configurations A, B & C performed on Jan 21, D & E on Jan 22, 2008.	

Prepared by:



R.G. Pollock
 Senior Projects Specialist

Approved by:



A.J. Vandermaar, P.Eng. *25 Jan 08*
 Manager, High Voltage Laboratory

This report shall not be reproduced except in full, without the written approval of Powertech Labs Inc.