

CONTROLLER SIMULATED SURGE ARRESTER OPERATION TEST REPORT

Client: G&W Electric Co., 3500 West 127 th Street, Blue Island, Illinois, USA, 60406							
Test Date: 25-27 October 2006	Project: 16878-27						
Nameplate Data:							
Controller:							
Manufacturer:	Schweitzer Engineering Laboratories, Pullman, Washington, USA						
Model:	SEL-351R						
Part No.:	0351R21281X15X224						
Serial No.:	2005304187						
Recloser:							
Manufacturer:	G&W Electric Co., Blue Island, Illinois, USA						
Type:	VIP398ER-12S						
Impulse level (BIL):	150 kV _{peak}						
Rated voltage:	38 kV _{rms}						
Rated current:	800 A _{rms} continuous; 12.5 kA interrupting						
Serial No.:	650-05-0429						
Test Witness:	Janet Ache, G&W Electric Co.						
Test Standard:	IEEE Std C37.60-2003, Clause 6.13.2: "Simulated Surge Arrester Operation Test"						
Atmospheric Conditions:	<table style="width: 100%; border: none;"> <tr> <td style="padding-right: 20px;">Temperature</td> <td>21.8 °C</td> </tr> <tr> <td>Relative humidity</td> <td>43%</td> </tr> <tr> <td>Barometric pressure</td> <td>759.4 mmHg</td> </tr> </table>	Temperature	21.8 °C	Relative humidity	43%	Barometric pressure	759.4 mmHg
Temperature	21.8 °C						
Relative humidity	43%						
Barometric pressure	759.4 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:	None						

Tested and Prepared by:



R.G. Pollock
 Senior Projects Technologist

Approved by:



A.J. Vandermaar, P.Eng.
 Manager, High Voltage Laboratory

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