

**SPP TLR 5 Investigation Report  
Temp 2 Flowgate 16087  
(WR North Interface)  
TLR Level 5: December 21, 2009  
Report Issued: December 28, 2009**

**1. Description of purpose/cause of hold/curtailment.**

This report is submitted in accordance with the NERC Transmission Loading Relief Investigation Procedure for the Level 5 TLR event that occurred on Flowgate 16087 on December 21, 2009. Flowgate 16087 is an SPP flowgate created for the planned outage of the Kelly – South Seneca 115 kV line and was also required for the planned outage of the Knob Hill – Smittyville 115 kV line to install a wave trap. The flowgate consists of all the facilities feeding a load pocket in north central Kansas. During the outages, the 115 kV transmission system in this region is exposed to potential low voltages, including the possibility of voltage collapse for the loss of the Elm Creek – Concordia 230 kV line. The Level 5 TLR was in effect from 21:05 CST on December 21 until 00:00 CST on December 22, 2009. Projected flows on the WR North interface exceeded the SOL.

**2. Facility/flowgate limitations and flows at the time the TLR was initiated.**

At the time the Level 5A TLR was issued, the WR North interface was rated at 85 MVA due to the scheduled outage of the Knob Hill - Smittyville 115 kV line. Flow on the WR North interface was 85 MW.

**3. TLR levels, timing, and relief requested amounts.**

TLRs levels, timing and relief requested amounts are shown in the Event History and NERC TLR Log on pages 3-7.

**4. Transmission and generation outages or changes from prediction that may have contributed.**

There were no unplanned outages that contributed to this TLR.

**5. Procedures implemented prior to hold/curtailment.**

There were no non-firm transactions impacting the flowgate by more than 5% prior to the Level 5 TLR. The TLR was escalated to a Level 5 in order to curtail firm transactions and firm market flow to alleviate loading on the flowgate.

**6. The initial investigation shall compare all transaction curtailment lists as generated by the IDC with the list of transactions flowing as determined by the IDC (Whole Transaction Lists) both before and after curtailment. The reasons for any transactions that were excluded from curtailment shall be provided. For those transactions not curtailed, the Reliability Authority will identify those entities and any affiliation with said entities.**

There were no known transactions excluded from curtailment for this TLR.

**7. List of known transactions not in the IDC with Transaction Contribution Factors greater than the curtailment threshold and actions taken to curtail such transactions.**

There were no known transactions not in the IDC.

**8. Excerpts from the RA Operations Log containing information relevant to the TLR event.**

Information was provided to Reliability Coordinators through the IDC and the RCIS. Also the SPP Reliability Coordinators logged information describing the actions taken at each issuance of the TLR, see pages 8-9. Times in the RC Log are CST.

**9. Flowgate limitations as identified by security analysis processes conducted by the Reliability Authority for the day prior to the TLR event.**

SPP's outage coordination process identified potential for low voltage issues due to the outage of the Knob Hill – Smittyville 115 kV line. The temporary flowgate was created in order to dispatch around the constraint via TLR if necessary.

**10. State Estimator snapshots and security analysis, including any contingency analysis or stability analysis, along with any other recorded data indicating need for TLR.**

The SPP Reliability Coordinator was monitoring their state estimator, RTCA and RTLODF applications for current flowgate loading and other potential issues during this time. eDNA data historian recorded all line flows before, during and after the Level 5 TLR event, see page 10.

**11. ATC limitations before, during, and after the TLR event.**

SPP Tariff Administration grants transmission service using an AFC process. This process evaluates each transmission request on a case by case basis. SPP Tariff Administration was not granting any transmission requests that impacted the congested flowgate by 3 % or greater at the time of the Level 5 TLR.

**12. Description of actions taken to avoid future hold/curtailments.**

This TLR was caused by a combination of generation patterns, load, and system flows due to the scheduled outage of Knob Hill – Smittyville 115 kV. Additional analysis during the TLR revealed that a rating of 115 MVA on the flowgate would provide sufficient protection for the load pocket in question. With this rating increase, no additional actions were necessary.

**13. Provide IDC generated Congestion Management Reports showing transaction curtailment list and Control Area NNL (network and native load) curtailment responsibility.**

Congestion Management Reports for each issuance of the TLR have been reviewed and are archived in the IDC. These screen shots have not been included to reduce the size of this report.

**14. Re-dispatch actions taken.**

SPP EIS Market redispatch was implemented during the entire TLR event. Firm and non-firm Market Flows were reduced on the flowgate as reported in the TLR Event History and NERC TLR Log on pages 3-7.

## TLR Event History

### 16087 - Temp 2 SECI - WR North Interface

Status	TLR Level	TLR Date (CST)	TLR Confirm Time (CST)	Run Time (CST)	Requested Relief	Remaining Relief	Relief Provided	Total Cuts	
								Tags	MW
<a href="#">SUPERSEDED</a>	3B	12/21/2009 07:35	12/21/2009 07:22	12/21/2009 07:22:25	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 09:00	12/21/2009 08:27	12/21/2009 08:27:02	43.0	38.0	5.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 10:00	12/21/2009 09:27	12/21/2009 09:27:00	48.0	43.0	5.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 11:00	12/21/2009 10:27	12/21/2009 10:27:36	49.0	39.0	10.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 12:00	12/21/2009 11:27	12/21/2009 11:26:44	49.0	37.0	12.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 13:00	12/21/2009 12:26	12/21/2009 12:26:02	47.0	34.0	13.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 14:00	12/21/2009 13:27	12/21/2009 13:26:52	48.0	34.0	14.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 15:00	12/21/2009 14:32	12/21/2009 14:31:24	52.0	34.0	18.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 16:00	12/21/2009 15:25	12/21/2009 15:25:33	49.0	36.0	13.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 17:00	12/21/2009 16:26	12/21/2009 16:26:14	44.0	33.0	11.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 18:00	12/21/2009 17:27	12/21/2009 17:26:40	47.0	40.0	7.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 19:00	12/21/2009 18:38	12/21/2009 18:37:30	52.0	46.0	6.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 20:00	12/21/2009 19:43	12/21/2009 19:42:56	49.0	39.0	10.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/21/2009 21:00	12/21/2009 20:25	12/21/2009 20:25:41	52.0	43.0	9.0	0	0
<a href="#">SUPERSEDED</a>	5A	12/21/2009 21:05	12/21/2009 20:50	12/21/2009 20:49:57	48.0	0.0	48.0	0	0
<a href="#">SUPERSEDED</a>	5A	12/21/2009 22:00	12/21/2009 21:32	12/21/2009 21:32:03	0.0	0.0	13.0	0	0
<a href="#">SUPERSEDED</a>	5A	12/21/2009 23:00	12/21/2009 22:26	12/21/2009 22:26:35	0.0	0.0	17.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 00:00	12/21/2009 23:41	12/21/2009 23:38:01	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 01:00	12/22/2009 00:28	12/22/2009 00:27:53	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 02:00	12/22/2009 01:27	12/22/2009 01:27:29	1.0	0.0	1.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 03:00	12/22/2009 02:27	12/22/2009 02:26:44	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 04:00	12/22/2009 03:27	12/22/2009 03:27:21	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 05:00	12/22/2009 04:26	12/22/2009 04:25:57	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 06:00	12/22/2009 05:26	12/22/2009 05:26:05	0.0	0.0	0.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 07:00	12/22/2009 06:26	12/22/2009 06:25:46	39.0	28.0	11.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 08:00	12/22/2009 07:26	12/22/2009 07:25:35	40.0	35.0	5.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 09:00	12/22/2009 08:26	12/22/2009 08:25:33	50.0	47.0	3.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 10:00	12/22/2009 09:26	12/22/2009 09:25:38	50.0	46.0	4.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 11:00	12/22/2009 10:26	12/22/2009 10:26:33	50.0	45.0	5.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 12:00	12/22/2009 11:25	12/22/2009 11:25:40	47.0	40.0	7.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 13:00	12/22/2009 12:25	12/22/2009 12:25:34	21.0	0.0	21.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 14:00	12/22/2009 13:26	12/22/2009 13:26:24	20.0	0.0	20.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 15:00	12/22/2009 14:28	12/22/2009 14:28:16	20.0	0.0	20.0	0	0
<a href="#">SUPERSEDED</a>	3A	12/22/2009 16:00	12/22/2009 15:26	12/22/2009 15:26:07	17.0	0.0	17.0	0	0
<a href="#">TERMINATED</a>	0	12/22/2009 16:00	12/22/2009 15:56	12/22/2009 15:55:21	0.0	0.0	0.0	0	0

## Event Summary

FILE SAVED AS: SWPP\_16087\_20091221\_0735.htm

Incident: SWPP_16087_20091221_0735	Date: 12/21/2009	Reliability Coordinator: SWPP
Initial Conditions: voltage control for the Knob Hill - Smittyville 115kv outage		
Flowgate: 16087 - Temp 2 SECI - WR North Interfa...	Rating: 85	LODF: N/A
TLR Direction: Normal		
Effective StartTime: 12/21/2009 07:35	Effective EndTime: 12/22/2009 16:00	TLR Duration: 32 Hours and 25 Minutes

## TLR Actions

Confirm Time	Level	Effective Hour	Priority	Schedule								NNL Relief			Market Relief				Flow			TLR Action Comments
				Total Tags Cut / Hold	IDC Cut		RC Cut Acknowledge		Hold		CA	IDC MW	RC Ackn MW	Type	Mkt	IDC MW	RC Ackn MW	Current	Post Cont.	Cont. Flow		
					MW	Relief	MW	Relief	MW	Relief												
Dec 21 07:22	TLR 3B	CURRENT	NONE								NONE			ED-2	SWPP	0.0	0.0	122	N/A	N/A	N/A	
		NEXT	NONE								NONE			ED-8	SWPP	0.0	0.0					
														FIRM-7	SWPP	0.0	0.0					
														<b>Total</b>		<b>0.0</b>	<b>0.0</b>					
														ED-2	SWPP	0.0	0.0					
														ED-8	SWPP	2.0	2.0					
														FIRM-7	SWPP	0.0	0.0					
														<b>Total</b>		<b>2.0</b>	<b>2.0</b>					
Dec 21 08:27	TLR 3A	NEXT	NONE								NONE			ED-2	SWPP	0.0	0.0	90	N/A	N/A	N/A	
														ED-8	SWPP	5.0	5.0					
														FIRM-7	SWPP	0.0	0.0					
														<b>Total</b>		<b>5.0</b>	<b>5.0</b>					
Dec 21 09:27	TLR 3A	NEXT	NONE								NONE			ED-2	SWPP	0.0	0.0	77	N/A	N/A	N/A	
														ED-8	SWPP	5.0	5.0					
														FIRM-7	SWPP	0.0	0.0					
														<b>Total</b>		<b>5.0</b>	<b>5.0</b>					
Dec 21 10:27	TLR 3A	NEXT	NONE								NONE			ED-2	SWPP	0.0	0.0	88	N/A	N/A	N/A	
														ED-8	SWPP	10.0	10.0					
														FIRM-7	SWPP	0.0	0.0					
														<b>Total</b>		<b>10.0</b>	<b>10.0</b>					
Dec 21 11:27	TLR 3A	NEXT	NONE								NONE			ED-2	SWPP	0.0	0.0	88	N/A	N/A	N/A	
														ED-8	SWPP	12.0	12.0					
														FIRM-7	SWPP	0.0	0.0					
														<b>Total</b>		<b>12.0</b>	<b>12.0</b>					
Dec 21 12:28	TLR 3A	NEXT	NONE								NONE			ED-2	SWPP	0.0	0.0	84	N/A	N/A	N/A	
														ED-8	SWPP	13.0	13.0					
														FIRM-7	SWPP	0.0	0.0					
														<b>Total</b>		<b>13.0</b>	<b>13.0</b>					
Dec 21 13:27	TLR 3A	NEXT	NONE								NONE			ED-2	SWPP	0.0	0.0	85	N/A	N/A	N/A	
														ED-8	SWPP	14.0	14.0					
														FIRM-7	SWPP	0.0	0.0					
														<b>Total</b>		<b>14.0</b>	<b>14.0</b>					
Dec 21 14:32	TLR 3A	NEXT	NONE								NONE			ED-2	SWPP	0.0	0.0	85	N/A	N/A	N/A	
														ED-8	SWPP	18.0	18.0					
														FIRM-7	SWPP	0.0	0.0					
														<b>Total</b>		<b>18.0</b>	<b>18.0</b>					

Dec 21 16:26	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 13.0 0.0 <b>13.0</b>	0.0 13.0 0.0 <b>13.0</b>	82	N/A	N/A	N/A
Dec 21 16:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 11.0 0.0 <b>11.0</b>	0.0 11.0 0.0 <b>11.0</b>	84	N/A	N/A	N/A
Dec 21 17:27	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 7.0 0.0 <b>7.0</b>	0.0 7.0 0.0 <b>7.0</b>	89	N/A	N/A	N/A
Dec 21 18:38	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 6.0 0.0 <b>6.0</b>	0.0 6.0 0.0 <b>6.0</b>	85	N/A	N/A	N/A
Dec 21 19:43	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 10.0 0.0 <b>10.0</b>	0.0 10.0 0.0 <b>10.0</b>	82	N/A	N/A	N/A
Dec 21 20:26	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 9.0 0.0 <b>9.0</b>	0.0 9.0 0.0 <b>9.0</b>	85	N/A	N/A	N/A
Dec 21 20:50	TLR 5A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 21.0 27.0 0.0 <b>48.0</b>	0.0 21.0 27.0 0.0 <b>48.0</b>	85	N/A	N/A	N/A
Dec 21 21:32	TLR 5A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 13.0 0.0 0.0 <b>13.0</b>	0.0 13.0 0.0 0.0 <b>13.0</b>	85	N/A	N/A	N/A
Dec 21 22:26	TLR 5A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 FIRM-CREDIT <b>Total</b>	SWPP SWPP SWPP SWPP	0.0 17.0 0.0 0.0 <b>17.0</b>	0.0 17.0 0.0 0.0 <b>17.0</b>	83	N/A	N/A	N/A
Dec 21 23:41	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	72	N/A	N/A	N/A
Dec 22 00:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	79	N/A	N/A	N/A
Dec 22 01:27	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 1.0 0.0 <b>1.0</b>	0.0 1.0 0.0 <b>1.0</b>	80	N/A	N/A	N/A
Dec 22 02:27	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	79	N/A	N/A	N/A

Dec 22 03:27	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	79	N/A	N/A	N/A
Dec 22 04:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	80	N/A	N/A	N/A
Dec 22 05:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 0.0 0.0 <b>0.0</b>	0.0 0.0 0.0 <b>0.0</b>	79	N/A	N/A	N/A
Dec 22 06:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 11.0 0.0 <b>11.0</b>	0.0 11.0 0.0 <b>11.0</b>	90	N/A	N/A	N/A
Dec 22 07:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 5.0 0.0 <b>5.0</b>	0.0 5.0 0.0 <b>5.0</b>	89	N/A	N/A	N/A
Dec 22 08:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 3.0 0.0 <b>3.0</b>	0.0 3.0 0.0 <b>3.0</b>	87	N/A	N/A	N/A
Dec 22 09:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 4.0 0.0 <b>4.0</b>	0.0 4.0 0.0 <b>4.0</b>	89	N/A	N/A	N/A
Dec 22 10:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 5.0 0.0 <b>5.0</b>	0.0 5.0 0.0 <b>5.0</b>	88	N/A	N/A	N/A
Dec 22 11:25	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 7.0 0.0 <b>7.0</b>	0.0 7.0 0.0 <b>7.0</b>	96	N/A	N/A	N/A
Dec 22 12:25	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 21.0 0.0 <b>21.0</b>	0.0 21.0 0.0 <b>21.0</b>	104	N/A	N/A	N/A
Dec 22 13:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 20.0 0.0 <b>20.0</b>	0.0 20.0 0.0 <b>20.0</b>	104	N/A	N/A	N/A
Dec 22 14:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 20.0 0.0 <b>20.0</b>	0.0 20.0 0.0 <b>20.0</b>	104	N/A	N/A	N/A
Dec 22 15:28	TLR 3A	NEXT	NONE	NONE	ED-2 ED-6 FIRM-7 <b>Total</b>	SWPP SWPP SWPP	0.0 17.0 0.0 <b>17.0</b>	0.0 17.0 0.0 <b>17.0</b>	103	N/A	N/A	N/A
Dec 22 15:58	TLR 0	CURRENT	NONE	NONE	NONE				105	N/A	N/A	N/A

### TLR Schedule Totals

Priority	Schedule			
	Total Tags Cut / Hold	IDC Cut MW	RC Cut Acknowledge MW	Hold MW
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
7	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

### TLR Market Flow Totals

Market	Type	Market Relief	
		IDC MW	RC Ackn MW
SWPP	ED-2	0.0	0.0
	ED-6	298.0	298.0
	FIRM-7	27.0	27.0
Total for SWPP		325.0	325.0
<b>Total</b>		<b>325.0</b>	<b>325.0</b>

12/29/2009 09:03:57 (CST)

OATI IDC Support Phone: 763-201-2010 Fax: 763-553-2813

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	A	B	C	D
1	<b>Reliability Log for December, 21</b>			<b>2009</b>
2	<b>Time</b>	<b>Initials</b>	<b>Comments</b>	<b>Monday</b>
3	0720	RST	SECI Clifton unit is on and available. Unit was brought on for scheduled outage of Knob Hill-Smittyville 115 KV line. I requested SECI to bring Clifton unit up to 40 MWs by hand and then I'll take over with the effective limit on Flowgate with TLR.	
4	0722	RST	Issued TLR Level 3B on Temp 2-SECI-WR North Interface Flgt. 16087.	
5	0730	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
6	0927	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
7	1027	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
8	1126	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
9	1226	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
10	1326	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
11	1431	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
12	1525	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
13	1626	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
14	1726	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
15	1837	MRH	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
16	1942	MRH	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
17	2025	MRH	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087.	
18	2049	MRH	Re-issued TLR Level 5A on Temp 2-SECI-WR North Interface Flgt. 16087, Feasibility and Loading.	
19	2132	MRH	Re-issued TLR Level 5A on Temp 2-SECI-WR North Interface Flgt. 16087, Feasibility and Loading.	
20	2225	MRH	SET FG 16087 to 100 in error, meant to set it at 85, which would be at 100%. Actual flow indicating 79 Mw.	
21	2226	MRH	Re-issued TLR Level 5A on Temp 2-SECI-WR North Interface Flgt. 16087, Feasibility and Loading.	
22	2243	MRH	SET FG 16087 to 100 due to RTB and RT differences.	
23	2335	MRH	SET FG 16087 to 97 due to RTB and RT differences.	
24	2341	MRH	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
25				

	A	B	C	D
27	<b>Reliability Log for December, 22</b>			<b>2009</b>
28	Time	Initials	Comments	Tuesday
29	0027	MRH	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
30	0127	MRH	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
31	0226	MRH	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
32	0327	MRH	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
33	0425	MRH	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
34	0526	MRH	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
35	0625	DGA	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
36	0725	DGA	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
37	0825	DGA	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
38	0925	DGA	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
39	1026	DGA	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
40	1100	DGA	Temp 2-SECI-WR North Interface Flgt. 16087 effective limit raised to 105 due to latest studies.	
41	1125	DGA	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
42	1200	DGA	Temp 2-SECI-WR North Interface Flgt. 16087 effective limit raised to 115 due to latest studies.	
43	1225	DGA	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
44	1428	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
45	1526	RST	Re-issued TLR Level 3A on Temp 2-SECI-WR North Interface Flgt. 16087	
46	1555	RST	Re-issued TLR Level 0 on Temp 2-SECI-WR North Interface Flgt. 16087	
47				

### Temp02\_16087 - 12/21/09

— Post Cont. — SOL

