

Events.txt

Power Reactor				Event Number: 40117		
FACILITY: BYRON		REGION: 3		NOTIFICATION DATE: 08/29/2003		
UNIT: [1] [2] []		STATE: IL		NOTIFICATION TIME: 14:55[EDT]		
RXTYPE: [1] W-4-LP, [2] W-4-LP				EVENT DATE: 08/28/2003		
				EVENT TIME: 17:43[CDT]		
NRC NOTIFIED BY: SCOTT FRUIN				LAST UPDATE DATE: 08/29/2003		
HQ OPS OFFICER: STEVE SANDIN						
EMERGENCY CLASS: NON EMERGENCY		PERSON		ORGANIZATION		
10 CFR SECTION: NONR		OTHER UNSPEC REQMNT				
		CHRIS MILLER		R3		
		TERRY REIS		NRR		
UNIT	SCRAM CODE	RX CRIT	INIT PWR	INIT RX MODE	CURR PWR	CURR RX MODE
1	N	Y	100	Power Operation	10	Power Operation
2	N	Y	100	Power Operation	100	Power Operation

EVENT TEXT

24-HOUR CONDITION OF LICENSE REPORT INVOLVING POTENTIAL VIOLATION OF MAXIMUM POWER LEVEL

"This 24-hour report is being made as required by Byron Unit 1 License Condition 2.F and Byron Unit 2 License Condition 2.G as a potential violation of the maximum power level (3586.6 Mwt) as stated in Unit 1 and Unit 2 License Condition 2.C(1).

"On August 28, 2003 at 17:43 CST Byron Station was notified by the ultrasonic flow measurement vendor via letter that there were discrepancies in the ultrasonic flow measurements used in the calorimetric calculation for reactor power. As part of an ongoing testing plan, ultrasonic flow measurements were being taken on the main feedwater system piping header on Byron Unit 1 and were compared to the results from the ultrasonic flow measurement devices on the four individual feedwater lines. Based on the results of the data analysis, and noted signal abnormalities, it was determined that Byron Unit 1 has potentially exceeded its licensed thermal power limit by approximately 1.5%.

"Based on the results of the testing on Unit 1, the ultrasonic flow measurements on Byron Unit 2 were also investigated. Similar signal abnormalities were identified on one of the four ultrasonic flow measurement devices installed on the individual feedwater lines on Unit 2. Subsequent evaluation indicates that Byron Unit 2 also has potentially exceeded its licensed thermal power limit by approximately 0.6%.

"The power level on both units was reduced to less than 100% power consistent with feedwater flow as measured directly by the venturis without using the correction factors from the ultrasonic flowmeters.

"Additional actions regarding investigation of the condition, determination of root cause and corrective action, and determination of the potential actual overpower will be included in the 30-day license event report."

The licensee informed the NRC Resident Inspector.

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