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SUBJECT: Forwards "SSES Unit 1 Power Uprate test Program Startup Rept," per Tech Specs 6.9.1.1, 6.9.1.2 & 6.9.1.3.

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**SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 1 POWER UPRATE TEST PROGRAM
PLA-4366 FILES A17-2/R41-2**

Docket No. 50-387/NPF-14

This letter transmits the Susquehanna Steam Electric Station, Unit 1, "Power Uprate Test Program Startup Report" pursuant to Technical Specifications 6.9.1.1, 6.9.1.2, and 6.9.1.3.

The SSES Unit 1 Power Uprate Test Program encompassed a scope of events commencing with the verification of the newly configured reactor core and terminating with the completion of the Final Test Program Review. The program was conducted using the same considerations for tests and administrative controls that were used during the Initial Test Program's Startup Test Program. Testing and power escalation was sequenced in four distinct test plateaus:

+	Test Condition
A/B	≤ 90% of uprated power level
C*	95-96% of uprated power level
D	97-98% of uprated power level
E	99-100% of uprated power level
* The former 100% power level (3293 Mw) is in this test condition at approximately 95.7% power.	

Overall, the Power Uprate Test Program was successfully and safely completed on June 30, 1995, with an overall increase in net electrical output as anticipated. A total of 77 Power Uprate Tests were successfully implemented demonstrating that the unit can operate safely at the uprated power conditions and that the systems responded as expected. There were a total of 15 Test Exception Reports written. All Level 1 Acceptance Criteria were satisfied. Three reports documented exceptions to Level 2 Acceptance Criteria. Three reports were canceled by the Test Review Committee as they did not document test exceptions. Nine reports concerned exceptions which were administrative in nature.

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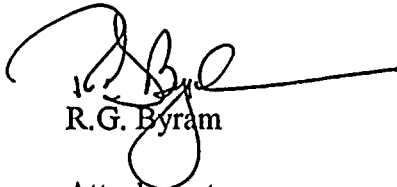
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Noise and vibration testing was added to the Unit 1 test program as a result of containment noise and vibration experienced on Unit 2 during the Unit 2 Power Uprate Test Program. All values observed were less than the specified limits thereby satisfying acceptance criteria.

Should you have any questions regarding this submittal, they should be directed to Mr. W.W. Williams at (610) 774-7742.

Very truly yours,



R.G. Byram

Attachment

copy: NRC Region I
Ms. M. Banerjee, NRC Sr. Resident Inspector - SSES
Mr. C. Poslusny, Jr., NRC Sr. Project Manager - OWFN

