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 RECIP. NAME RECIPIENT AFFILIATION
 MILLER, C.L. Project Directorate I-2

SUBJECT: Provides current status of testing of valves needed to support fuel pool cooling operational enhancements discussed in 940816 ltr.

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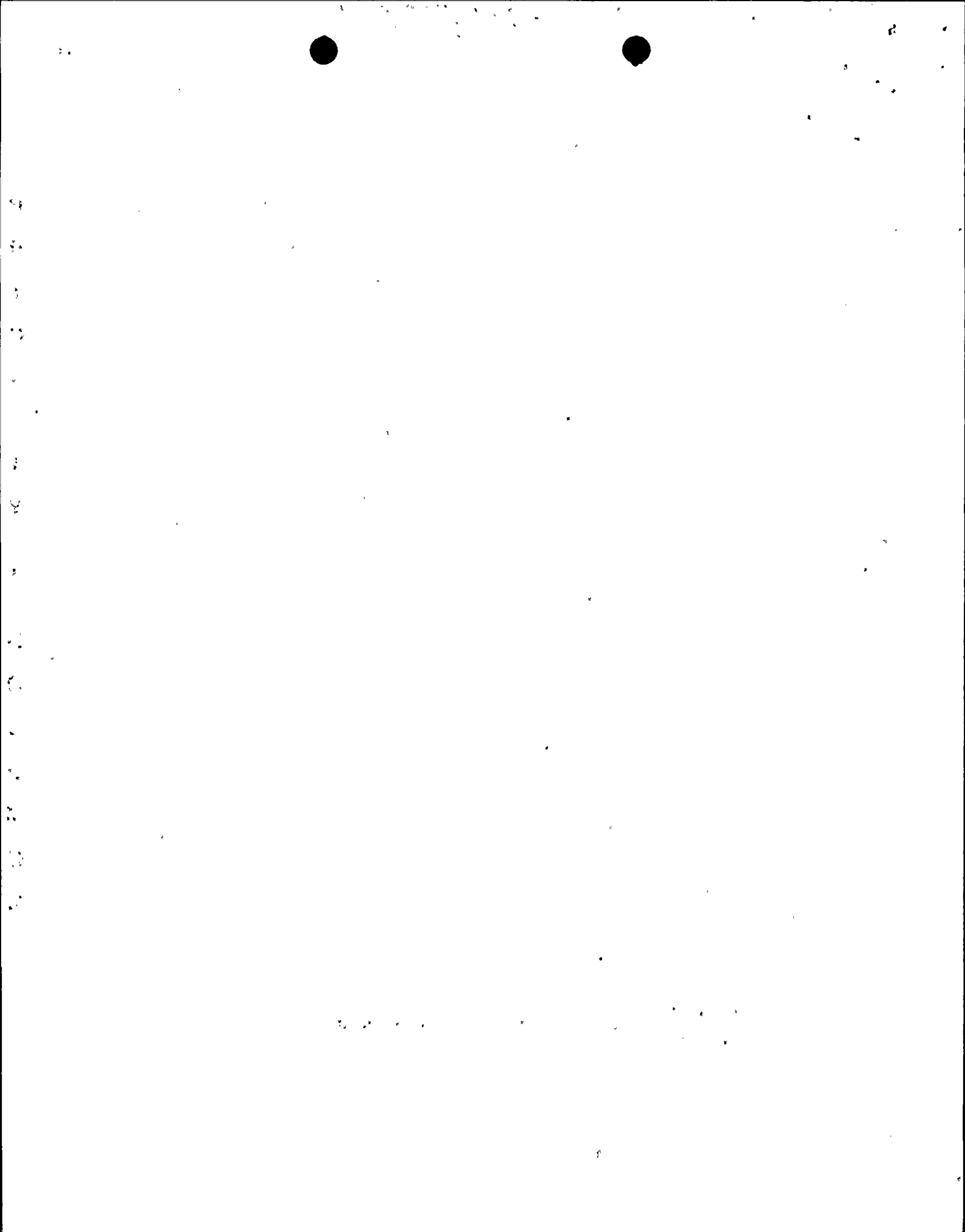
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**SUSQUEHANNA STEAM ELECTRIC STATION
INFORMATION ON SPENT FUEL POOL COOLING:
VALVE TESTING STATUS**
PLA-4186 FILES A17-8/R41-2

Docket Nos. 50-387
and 50-388

Reference: PLA-4012, R.G. Byram to C.L. Miller, "Information On Spent Fuel Pool Cooling," dated August 16, 1993.

Dear Mr. Miller:

The purpose of this letter is to provide you with a current status of testing of the valves needed to support the Fuel Pool Cooling operational enhancements discussed in the referenced letter.

EMERGENCY SERVICE WATER SYSTEM VALVES

In the above reference, Pennsylvania Power & Light Company (PP&L) stated that the manual Emergency Service Water (ESW) make-up valves would be tested as part of PP&L's Inservice Inspection (ISI) program (Attachment, Section A1.1.2.2.B). The intention was to perform the valve stroking as part of the ISI Pressure Testing, which is done three times within a 10 year period in accordance with the requirements of ASME Code, Section XI.

During NRC Inspection 94-12, it was determined that (although pressure testing had been performed) two of these valves had not recently been stroked as noted in the referenced Attachment. All valves were last stroked as follows:

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VALVE	TEST PROCEDURE	TEST NUMBER	LAST TEST COMPLETION DATE
153090A	SE-135-301	SA#A74605	12/22/87*
153090B	SE-135-301	SA#A74605	12/22/87*
153091A	SE-054-301	SA#A21995	4/12/92
153091B	SE-054-301	SA#A21995	4/12/92
153500	SE-054-301	SA#A21995	4/12/92
153501	SE-054-301	SA#A21995	4/12/92
253090A	SE-235-301	SA#A41292	5/27/94
253090B	SE-235-301	SA#A41292	5/27/94
253091A	SE-254-301	SA#A35136	4/28/94
253091B	SE-254-301	SA#A35136	4/28/94
253500	SE-254-301	SA#A35136	4/28/94
253501	SE-254-301	SA#A35136	4/28/94

**NOTE: It was determined that some prior revisions of ISI pressure testing procedures had omitted stroking valves 153090A and 153090B due to streamlining of the pressure testing methodology. An investigation utilizing the plant's computerized data retrieval systems indicated ISI pressure testing procedures had been implemented; however, it was not recognized that the revision of the procedures which had been implemented did not stroke all of the valves. A subsequent review of the actual test data detected these omissions. Once recognized, valves 153090A and 153090B were immediately successfully tested on July 28, 1994.*

All of these manual valves operated correctly when stroked and have had a good maintenance history. A review of the maintenance records indicates that significant maintenance has not been required. The only recorded maintenance for any of these manual valves (12 total between the two units) was the repacking of the stem of valve 253091B in 1990. From this experience we conclude that these valves have a very low likelihood of failure, which has been confirmed by their historical exercising.

PP&L is adding ESW system valves 153090A/B, 153091A/B, 153500, 153501, 253090A/B, 253091A/B, 253500, and 253501 to the IST Program. These valves will be tested on a refueling cycle frequency beginning with the current operating cycle.

RESIDUAL HEAT REMOVAL SYSTEM VALVES

In the same reference, PP&L stated that procedures would be developed to perform stroke testing on the manually operated Residual Heat Removal (RHR) Fuel Pool Cooling Valves, and that these valves would be tested during the next set of refueling outages. The two RHR system (Fuel Pool Cooling Mode) manual valves on each unit were successfully tested during the Unit 1 Seventh and Unit 2 Sixth refueling outages, respectively.

The current testing status of these valves is shown in the following table:

VALVE	SYSTEM	TEST PROCEDURE	LAST TEST COMPLETION DATE
151060	RHR	TP-149-046	10/22/93
151070		TP-149-047	09/30/93
251060		TP-249-047	04/07/94
251070		TP-249-048	03/21/94

PP&L is adding these 4 RHR manual valves (151060, 151070, 251060, and 251070) into the IST program. These valves will be tested on a refueling cycle frequency beginning with the current operating cycle.

FUEL POOL COOLING SYSTEM VALVES

PP&L has also decided to include the eight manual Fuel Pool Cooling System valves in the RHR Fuel Pool Cooling Mode flow path (153001, 153021, 153070A/B, 253001, 253021, and 253070A/B) in the IST Program. These valves will be tested on a refueling cycle frequency beginning with the current operating cycle.

Questions regarding this response should be directed to Mr. J. M. Kenny at (610) 774-7904.

Very truly yours,



R. G. Byram

- cc: NRC.Document.Control.Desk (original)
- NRC Region I
- Mr. G. S. Barber, NRC Sr. Resident Inspector
- Mr. C. Poslusny, Jr., NRC Sr. Project Manager