

**SNUPPS**

Standardized Nuclear Unit  
Power Plant System

5 Choke Cherry Road  
Rockville, Maryland 20850  
(301) 869-8010

Nicholas A. Petrick  
Executive Director

January 9, 1984

SLNRC 84-0002 FILE: 0541  
SUBJ: Safety Related  
Preoperational  
Test Procedures

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Pocket Nos: STN 50-482 and STN 50-483

Dear Mr. Denton:

Attached is revised SNUPPS FSAR page 14.2-62 which modifies the Accumulator Testing abstract of the safety related preoperational test procedures. This modification will be included in Revision 13 to the SNUPPS FSAR scheduled to be submitted in February 1984.

Very truly yours,

*Nicholas A. Petrick*  
Nicholas A. Petrick

JOC/nld:cb5

Attachment

cc: D. F. Schnell	UE
G. L. Koester	KGE
D. T. McPhee	KCPL
J. H. Neisler	USNRC/CAL
H. Roberds	USNRC/WC
W. Schum	USNRC/CAL

B401130153 840109  
PDR ADQCK 05000482  
A PDR

13001  
1/1

14.2.12.1.42 Accumulator Testing (S-03EP01)

14.2.12.1.42.1 Objectives

To determine the operability of each safety injection accumulator and obtain, by flow test, each accumulator's discharge ~~flow rate to the associated reactor coolant loop~~. The ability of the accumulator discharge line isolation valves to open under maximum differential pressure conditions is verified, as is the response of accumulator system valves to safety signals.

*line resistance to flow.*

14.2.12.1.42.2 Prerequisites

- Required component testing, instrument calibration, and system flushing/cleaning are complete.
- Required electrical power supplies and control circuits are operational.
- The reactor vessel head and reactor internals are not installed, and the vessel is available to receive water.
- A source of compressed air and nitrogen is available.
- The refueling water storage tank contains an adequate supply of demineralized water for the performance of this test.

14.2.12.1.42.3 Test Method

- Each accumulator is filled and partially pressurized with the discharge valves closed. The discharge valves are opened, discharging the accumulators to the reactor vessel, and ~~a blowdown curve is developed.~~ *performance data is recorded.*
- Each accumulator discharge line isolation valve is operated under maximum differential pressure conditions of normal accumulator precharge pressure and zero reactor coolant pressure, and the valve operating times are recorded.
- Accumulator system valve control circuits are verified, including their response to safety injection and containment isolation signals.

14.2.12.1.42.4 Acceptance Criteria

- Each accumulator ~~has a blowdown curve equal to, or faster than, the accumulator's design blowdown curve.~~ *discharge line resistance to flow (L/D) is in accordance with design specifications.*
- Each accumulator's discharge line isolation valve opening time under maximum differential pressure conditions is within design specifications.