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ITSB1 - IMPROVED TECHNICAL SPECIFICATIONS MANUAL
BASES UNIT 1

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A001

TSB

**APPROVED AMENDMENT TO THE
UNIT 1 TECHNICAL SPECIFICATIONS BASES MANUAL
REVISION 43**

Replace the following pages of the Technical Specifications Bases Manual with the enclosed pages. The revised pages are identified by Revision Number and contain vertical lines indicating the area of change.

REMOVE PAGES	INSERT PAGES	REV. #
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SUSQUEHANNA STEAM ELECTRIC STATION
LIST OF EFFECTIVE SECTIONS (TECHNICAL SPECIFICATIONS BASES)

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BASES

**SURVEILLANCE
 REQUIREMENTS**
 (continued)

SR 3.6.4.1.4 and SR 3.6.4.1.5

The SGT System exhausts the secondary containment atmosphere to the environment through appropriate treatment equipment. To ensure that all fission products are treated, SR 3.6.4.1.4 verifies that the SGT System will rapidly establish and maintain a pressure in the secondary containment that is less than the pressure external to the secondary containment boundary. This is confirmed by demonstrating that one SGT subsystem will draw down the secondary containment to ≥ 0.25 inches of vacuum water gauge in less than or equal to the maximum time allowed. This cannot be accomplished if the secondary containment boundary is not intact. SR 3.6.4.1.5 demonstrates that one SGT subsystem can maintain ≥ 0.25 inches of vacuum water gauge for at least 1 hour at less than or equal to the maximum flow rate permitted for the secondary containment configuration that is operable. The 1 hour test period allows secondary containment to be in thermal equilibrium at steady state conditions. As noted, both SR 3.6.4.1.4 and SR 3.6.4.1.5 acceptance limits are dependent upon the secondary containment configuration when testing is being performed. The acceptance criteria for the SRs based on secondary containment configuration is defined as follows:

SECONDARY CONTAINMENT CONFIGURATION	MAXIMUM DRAWDOWN TIME(SEC) (SR 3.6.4.1.4 ACCEPTANCE CRITERIA)	MAXIMUM FLOW RATE (CFM) (SR 3.6.4.1.5 ACCEPTANCE CRITERIA)
Three Zone Operation with Zone II OPERABLE.	≤ 15 Seconds (Zones I and III)	≤ 2885 CFM From Zones I and III (Verify by calculation that one SGT subsystem will maintain $\geq .25$ inches of vacuum water gauge in secondary containment at a flow rate of ≤ 4000 CFM (From Zones I, II, and III)).
Three Zone Operation with Zones I, II and III.	≤ 125 Seconds (Zones I, II, and III)	≤ 4000 CFM (From Zones I, II, and III)
Two Zone Operation with Unit 2 Shutdown and Zone II isolated.	≤ 117 Seconds (Zones I and III)	≤ 2885 CFM (From Zones I and III)

(continued)