

May. 07, 2003

Page 1 of 1

MANUAL HARD COPY DISTRIBUTION

DOCUMENT TRANSMITTAL 2003-23059

USER INFORMATION:

~~GERLATH*ROSE M~~ EMPL#:28401 CA#: 0363
~~Address: NUCSA2~~
~~Phone#: 254-3194~~

TRANSMITTAL INFORMATION:

TO: ~~GERLATH*ROSE M~~ 05/07/2003
LOCATION: [USNRC]
FROM: NUCLEAR RECORDS DOCUMENT CONTROL CENTER
(NUCSA-2)
THE FOLLOWING CHANGES HAVE OCCURRED TO THE HARDCOPY
OR ELECTRONIC MANUAL ASSIGNED TO YOU:

ITSB1 - IMPROVED TECHNICAL SPECIFICATIONS MANUAL
BASES UNIT 1

REMOVE MANUAL TABLE OF CONTENTS DATE: 04/22/2003

ADD MANUAL TABLE OF CONTENTS DATE: 05/06/2003

CATEGORY: DOCUMENTS TYPE: ITSB1
ID: ITSB1
REMOVE: REV:42

ADD: REV: 43

UPDATES FOR HARD COPY MANUALS WILL BE DISTRIBUTED
WITHIN 5 DAYS IN ACCORDANCE WITH DEPARTMENT
PROCEDURES. PLEASE MAKE ALL CHANGES AND
ACKNOWLEDGE COMPLETE IN YOUR NIMS INBOX UPON
RECEIPT OF HARD COPY. FOR ELECTRONIC MANUAL USERS,
ELECTRONICALLY REVIEW THE APPROPRIATE DOCUMENTS AND
ACKNOWLEDGE COMPLETE IN YOUR NIMS INBOX.

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. #
TS / B LOES 1 through TS / B LOES 5	TS / B LOES 1 through TS / B LOES 5	43
TS / B 3.6-89	TS / B 3.6-89	2

SUSQUEHANNA STEAM ELECTRIC STATION
LIST OF EFFECTIVE SECTIONS (TECHNICAL SPECIFICATIONS BASES)

<u>Section</u>	<u>Title</u>	<u>Revision</u>
TOC	Table of Contents	1
B 2.0	SAFETY LIMITS BASES	
	Page B 2.0-1	0
	Page TS/B 2.0-2	1
	Pages TS/B 2.0-3 through TSB 2.0-5	1
	Page TS/B 2.0-6	corrected
	Pages B 2.0-7 through B 2.0-9	1
		0
B 3.0	LCO AND SR APPLICABILITY BASES	
	Pages B 3.0-1 through B 3.0-7	0
	Pages TS / B 3.0-8 and TS / B 3.0-9	1
	Page B 3.0-10 through B 3.0-12	0
	Pages TS / B 3.0-13 through TS / B 3.0-15	1
B 3.1	REACTIVITY CONTROL BASES	
	Pages B 3.1-1 through B 3.1-51	0
B 3.2	POWER DISTRIBUTION LIMITS BASES	
	Page B 3.2-1	0
	Page TS/B 3.2-2	1
	Page B 3.2-3	0
	Pages TS/B 3.2-4 through TS/B 3.2-6	1
	Pages B 3.2-7 and B 3.2-8	0
	Page TS/B 3.2-9	1
	Page B 3.2-10	0
	Page TS/B 3.2-11	1
	Page B 3.2-12	0
	Page TS/B 3.2-13	1
	Pages B 3.2-14 and B 3.2-15	0
	Page TS/B 3.2-16	1
	Pages B 3.2-17 and 3.2-18	0
	Page TS/B 3.2-19	1
B 3.3	INSTRUMENTATION	
	Pages TS / B 3.3-1 through TS / B 3.3-10	1
	Page TS / B 3.3-11	2
	Pages TS / B 3.3-12 through TS / B 3.3-27	1
	Pages TS / B 3.3-28 through TS / B 3.3-31	2
	Pages TS / B 3.3-32 and TS / B 3.3-33	3
	Pages TS / B 3.3-34 through TS / B 3.3-54	1
	Pages B 3.3-55 through B 3.3-63	0
	Pages TS / B 3.3-64 and TS / B 3.3-65	2
	Page TS / B 3.3-66	3
	Page TS / B 3.3-67	2
	Page TS / B 3.3-68	3

SUSQUEHANNA STEAM ELECTRIC STATION
LIST OF EFFECTIVE SECTIONS (TECHNICAL SPECIFICATIONS BASES)

<u>Section</u>	<u>Title</u>	<u>Revision</u>
		Corrected
	Pages TS / B 3.3-69 through TS / B 3.3-75	2
	Page TS / B 3.3-75a	4
	Pages TS / B 3.3-75b through TS / B 3.3-75c	3
	Pages B 3.3-76 through B 3.3-91	0
	Page TS / B 3.3-92 through TS / B 3.3-100	1
	Pages B 3.3-101 through B 3.3-103	0
	Page TS / B 3.3-104	1
	Pages B 3.3-105 and B 3.3-106	0
	Page TS / B 3.3-107	1
	Page B 3.3-108	0
	Page TS / B 3.3-109	1
	Pages B 3.3-110 and B 3.3-111	0
	Pages TS/B 3.3-112 and TS/B 3.3-112a	1
	Pages B 3.3-113 and B 3.3-114	0
	Page TS / B 3.3-115	1
	Page TS / B 3.3-116	2
	Page TS / B 3.3-117	1
	Pages B 3.3-118 through B 3.3-122	0
	Pages TS / B 3.3-123 through TS / B 3.3-124	1
	Page TS / B 3.3-124a	0
	Pages B 3.3-125 and B 3.3-126	0
	Page TS / B 3.3-127	1
	Pages B 3.3-128 through B 3.3-130	0
	Page TS / B 3.3-131	1
	Pages B 3.3-132 through B 3.3-137	0
	Page TS / B 3.3-138	1
	Pages B 3.3-139 through B 3.3-162	0
	Page TS / B 3.3-163	1
	Pages B 3.3-164 through B 3.3-177	0
	Pages B 3.3-178 and B 3.3-179	1
	Page B 3.3-179a	0
	Pages TS / B 3.3-180 through TS / B 3.3-191	1
	Pages B 3.3-192 through B 3.3-219	0
B 3.4	REACTOR COOLANT SYSTEM BASES	
	Pages B 3.4-1 and B 3.4-2	0
	Pages TS/B 3.4-3 and TS/B 3.4-4	1
	Pages B 3.4-5 through B 3.4-14	0
	Page TS / B 3.4-15	1
	Pages TS / B 3.4-16 and TS / B 3.4-17	2
	Page TS / B 3.4-18	1
	Pages B 3.4-19 through B 3.4-28	0
	Page TS / B 3.4-29	1
	Pages B 3.4-30 through B 3.4-48	0
	Page TS / B 3.4-49	2
	Page TS / B 3.4-50	1

SUSQUEHANNA STEAM ELECTRIC STATION
LIST OF EFFECTIVE SECTIONS (TECHNICAL SPECIFICATIONS BASES)

<u>Section</u>	<u>Title</u>	<u>Revision</u>
	Page TS / B 3.4-51	2
	Pages TS / B 3.4-52 and TS / B 3.4-53	1
	Page TS / B 3.4-54	2
	Page TS / B 3.4-55	2
	Page TS / B 3.4-56	1
	Page TS / B 3.4-57	2
	Pages TS / B 3.4-58 through TS / B 3.4-60	1
B 3.5	ECCS AND RCIC BASES	
	Pages B 3.5-1 and B 3.5-2	0
	Page TS / B 3.5-3	2
	Pages B 3.5-4 through B 3.5-10	0
	Page TS / B 3.5-11	1
	Pages B 3.5-12 through B 3.5-15	0
	Pages TS / B 3.5-16 through TS / B 3.5-18	1
	Pages B 3.5-19 through B 3.5-24	0
	Page TS / B 3.5-25	1
	Pages B 3.5-26 through B 3.5-31	0
B 3.6	CONTAINMENT SYSTEMS BASES	
	Page TS / B 3.6-1	2
	Page TS / B 3.6-1a	3
	Pages TS / B 3.6-2 through TS / B 3.6-5	2
	Page TS / B 3.6-6	3
	Pages TS / B 3.6-6a and TS / B 3.6-6b	2
	Page TS / B 3.6-6c	0
	Pages B 3.6-7 through B 3.6-14	0
	Page TS / B 3.6-15	2
	Pages TS / B 3.6-15a and TS / B 3.6-15b	0
	Page B 3.6-16	0
	Page TS / B 3.6-17	1
	Page TS / B 3.6-17a	0
	Pages TS / B 3.6-18 and TS / B 3.6-19	0
	Page TS / B 3.6-20	1
	Page TS / B 3.6-21	2
	Page TS / B 3.6-22	1
	Page TS / B 3.6-22a	0
	Page TS / B 3.6-23	1
	Pages TS / B 3.6-24 through TS / B 3.6-25	0
	Page TS / B 3.6-26	0
		Corrected
	Page TS / B 3.6-27	2
	Page TS / B 3.6-28	5
	Page TS / B 3.6-29	1
	Page TS/B 3.6-30	1
	Page TS / B 3.6-31	3
	Pages B 3.6-32 through B 3.6-35	0

SUSQUEHANNA STEAM ELECTRIC STATION
LIST OF EFFECTIVE SECTIONS (TECHNICAL SPECIFICATIONS BASES)

<u>Section</u>	<u>Title</u>	<u>Revision</u>
	Page TS / B 3.6-36	1
	Page B 3.6-37	0
	Page TS/B 3.6-38	1
	Page B 3.6-39	0
	Page TS / B 3.6-40	2
	Pages B 3.6-41 through B 3.6-43	0
	Pages TS / B 3.6-44 through TS / B 3.6-51	1
	Page TS / B 3.6-52	2
	Pages B 3.6-53 through B 3.6-63	0
	Page TS / B 3.6-64	1
	Pages B 3.6-65 through B 3.6-83	0
	Pages TS / B 3.6-84	2
	Pages TS / B 3.6-85 through TS / B 3.6-88	1
	Page TS / B 3.6-88a	1
	Page TS / B 3.6-89	2
	Pages TS / B 3.6-90 through TS / B 3.6-100	1
	Pages B 3.6-101 through B 3.6-107	0
B 3.7	PLANT SYSTEMS BASES	
	Pages TS / B 3.7-1 through TS / B 3.7-6	2
	Page TS / B 3.7-6a	2
	Pages TS / B 3.7-6b and TS / B 3.7-6c	0
	Pages TS / B 3.7-7 through TS / B 3.7-11	1
	Pages TS / B 3.7-12 and TS / B 3.7-13	1
	Pages TS / B 3.7-14 through TS / B 3.7-18	2
	Page TS / B 3.7-18a	0
	Pages TS / B 3.7-19 through TS / B 3.7-23	1
	Pages B 3.7-24 through B 3.7-26	0
	Pages TS / B 3.7-27 through TS / B 3.7-29	2
	Page TS / B 3.7-30	1
	Pages B 3.7-31 through B 3.7-33	0
B 3.8	ELECTRICAL POWER SYSTEMS BASES	
	Pages TS / B 3.8-1 through TS / B 3.8-4	2
	Page TS / B 3.8-5	3
	Pages TS / B 3.8-6 through TS/B 3.8-17	2
	Page TS / B 3.8-18	3
	Pages TS / B 3.8-19 through TS / B 3.8-21	2
	Pages TS / B 3.8-22 and TS / B 3.8-23	3
	Pages TS / B 3.8-24 through TS / B 3.8-37	2
	Pages B 3.8-38 through B 3.8-53	0
	Pages TS / B 3.8-54 through TS / B 3.8-61	1
	Page TS / B 3.8-62	2
	Page TS / B 3.8-63	2
	Page TS / B 3.8-64	1
	Page TS / B 3.8-65	2
	Pages TS/B 3.8-66 through B 3.8-90	0

SUSQUEHANNA STEAM ELECTRIC STATION

LIST OF EFFECTIVE SECTIONS (TECHNICAL SPECIFICATIONS BASES)

<u>Section</u>	<u>Title</u>	<u>Revision</u>
B 3.9	REFUELING OPERATIONS BASES	
	Pages TS / B 3.9-1 and TS / B 3.9-1a	1
	Pages TS / B 3.9-2 through TS / B 3.9-4	1
	Pages B 3.9-5 through B 3.9-30	0
B 3.10	SPECIAL OPERATIONS BASES	
	Page TS / B 3.10-1	1
	Pages B 3.10-2 through B 3.10-38	0

g:\LicDocs\TS-WP51\TS-Manual\0.00 Lists\U1-TSB LOES.doc

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)