Intracompany Correspondence

SOUTHERN COMPANY
Energy to Serve Your World℠

DATE: June 24, 2003 NL-03-1365

RE: Vogtle Electric Generating Plant
Revision to Bases

FROM: N. J. Stringfellow

TO: Bases Manual Holders

Enclosed is a revision to Technical Specifications Bases B 3.3.3, "Instrumentation." The change defines what constitutes a RVLIS channel. This change was approved with LDCR 2003022.

NJS/TDH

Attachment: Instructions and Change Pages

cc: SNC Document Services - RType: CVA02.002

A001

VOGTLE ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2 TECHNICAL SPECIFICATIONS AND BASES
Revision Insertion Instructions
June 24, 2003

Section/Page(s)	Instructions
TECHNICAL SPECIFICATIONS:	
BASES:	
Active Page List - Bases	Replace.
B 3.3.3-11 /-12	Replace.
Transmittal Letter	Keep or discard at your discretion.
Acknowledgment Receipt	**Sign and return.**
These Insertion Instructions	Discard after use.

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VOGTLE UNITS 1 AND 2 BASES
ACTIVE PAGE LIST

Unless noted otherwise, all of the pages in the Units 1 and 2 Bases are effective per Revision 0 as of January 23,1997. The latest revised page is Rev. 1 – 6/03.

PAGE	REVISION
i	1 - 3/99
ii	1 - 3/99
iii	1 - 3/99
iv	1 - 3/99
v	2 - 3/99
B 3.0-5	1 - 9/99
B 3.0-6	1 - 9/99
B 3.0-7	1 - 9/99
B 3.0-12	1 - 4/02
B 3.0-13	1 - 4/02
B 3.0-14	2 - 4/02
B 3.0-15	2 - 4/02
B 3.1.1-4	2 - 10/01
B 3.1.2-3	1 - 10/01
B 3.1.3-3	1 - 10/01
B 3.1.4-4	1 - 10/01
B 3.1.5-3	1 - 10/01
B 3.1.6-4	1 - 10/01
B 3.1.7-3	1 - 10/01
B 3.1.8-3	1 - 7/97
B 3.1.8-4	2 - 10/01
B 3.1.8-8	1 - 7/97
B 3.2.1-2	1 - 10/01
B 3.2.2-3	1 - 10/01
B 3.2.3-2	2 - 10/01
B 3.2.3-3	1 - 1/00
B 3.2.3-4	1 - 5/97
B 3.2.4-2	1 - 10/01
B 3.3.1-4	1 - 6/98
B 3.3.1-5	1 - 6/98
B 3.3.1-6	1 - 6/98
B 3.3.1-8	1 - 6/98
B 3.3.1-9	1 - 6/98
B 3.3.1-15	1 - 3/99
B 3.3.1-16	1 - 3/99
B 3.3.1-17	1 - 8/02
B 3.3.1-18	1 - 6/98
B 3.3.1-19	2 - 8/02
B 3.3.1-21	1 - 6/98
B 3.3.1-22	1 - 6/98
B 3.3.1-25	1 - 2/02

PAGE	REVISION
B 3.3.1-33	1 - 3/99
B 3.3.1-37	1 - 3/99
B 3.3.1-40	1 - 10/01
B 3.3.1-42	2 - 1/01
B 3.3.1-43	1 - 1/01
B 3.3.1-44	1 - 1/01
B 3.3.1-45	1 - 1/01
B 3.3.1-46	1 - 1/01
B 3.3.1-47	1 - 1/01
B 3.3.1-48	1 - 1/01
B 3.3.1-49	1 - 1/01
B 3.3.1-50	1 - 1/01
B 3.3.1-51	1 - 1/01
B 3.3.1-52	1 - 1/01
B 3.3.1-53	1 - 1/01
B 3.3.1-53a	0 - 1/01
B 3.3.1-53b	0 - 1/01
B 3.3.1-60	1 - 3/99
B 3.3.1-61	1 - 3/99
B 3.3.1-62	1 - 9/99
B 3.3.1-63	3 8/02
B 3.3.1-64	1 - 3/99
B 3.3.1-65	4 8/02
B 3.3.1-66	0 8/02
B 3.3.2-6	1 - 6/98
B 3.3.2-7	1 - 6/98
B 3.3.2-14	1 - 9/02
B 3.3.2-29	1 - 11/00
B 3.3.2-33	1 - 11/98
B 3.3.2-36	1 - 10/01
B 3.3.2-37	1 - 1/01
B 3.3.2-38	1 - 1/01
B 3.3.2-39	1 - 1/01
B 3.3.2-40	1 - 1/01
B 3.3.2-41	1 - 1/01
B 3.3.2-42	1 - 1/01
B 3.3.2-43	1 - 1/01
B 3.3.2-44	1 - 1/01
B 3.3.2-45	1 - 1/01
B 3.3.2-45a	0 - 1/01
B 3.3.2-45b	0 - 1/01
B 3.3.2-48	1 - 8/00
B 3.3.2-48a	0 - 8/00
B 3.3.2-48b	0 - 8/00
B 3.3.2-49	2 - 9/99

PAGE	REVISION
B 3.3.2-50	1 - 3/99
B 3.3.2-51	1 - 6/98
B 3.3.2-52	4 - 1/01
B 3.3.3-3	1 - 10/01
B 3.3.3-12	1 - 6/03
B 3.3.3-17	1 - 11/01
B 3.3.4-2	1 - 10/01
B 3.3.4-6	1 - 3/98
B 3.3.5-2	1 - 3/00
B 3.3.5-3	1 - 10/01
B 3.3.5-7	1 - 3/00
B 3.3.6-2	2 - 10/01
B 3.3.6-3	1 - 3/99
B 3.3.6-4	1 - 3/99
B 3.3.6-5	1 - 3/99
B 3.3.6-6	1 - 3/99
B 3.3.6-7	1 - 3/99
B 3.3.6-9	2 - 2/02
B 3.3.6-10	1 - 2/02
B 3.3.6-11	1 - 2/02
B 3.3.7-2	1 - 10/01
B 3.3.8-1	2 - 10/01
B 3.3.8-2	2 - 9/99
B 3.3.8-3	1 - 9/99
B 3.4.1-3	1 - 10/01
B 3.4.2-2	1 - 10/01
B 3.4.3-3	1 - 10/01
B 3.4.4-2	1 - 10/01
B 3.4.5-2	1 - 10/01
B 3.4.6-1	1 - 10/01
B 3.4.7-2	1 - 10/01
B 3.4.7-4	1 - 9/99
B 3.4.8-1	1 - 9/99
B 3.4.8-2	1 - 10/01
B 3.4.8-3	1 - 9/99
B 3.4.9-2	2 - 10/01
B 3.4.9-3	1 - 11/98
B 3.4.10-1	1 - 9/97
B 3.4.10-2	1 - 9/97
B 3.4.10-3	2 - 10/01
B 3.4.10-4	1 - 9/97
B 3.4.10-5	1 - 9/97
B 3.4.11-2	3 - 10/01
B 3.4.11-3	1 - 2/00
B 3.4.11-4	1 - 2/00

PAGE	REVISION
B 3.4.11-5	1 - 2/00
B 3.4.12-6	1 - 3/01
B 3.4.12-7	2 - 10/01
B 3.4.12-8	1 - 1/00
B 3.4.12-9	1 - 9/99
B 3.4.12-10	1 - 9/99
B 3.4.12-11	1 - 9/99
B 3.4.12-12	2 - 9/99
B 3.4.12-13	1 - 9/99
B 3.4.12-14	1 - 9/99
B 3.4.13-2	1 - 10/01
B 3.4.13-5	1 - 01/03
B 3.4.14-2	1 - 10/01
B 3.4.15-4	1 - 10/01
B 3.4.16-3	1 - 10/01
B 3.4.16-5	1 - 11/99
B 3.5.1-1	1 - 11/98
B 3.5.1-2	1 - 11/98
B 3.5.1-4	1 - 10/01
B 3.5.1-8	1 - 11/98
B 3.5.1-9	1 - 11/98
B 3.5.2-1	1 - 3/02
B 3.5.2-5	1 - 10/01
B 3.5.2-9	1
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B 3.5.4-4	1 - 10/01
B 3.5.4-8	1 - 11/00
B 3.5.5-1	1 - 10/01
B 3.5.5-4	1 - 11/00
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B 3.6.1-3	1 - 10/01
B 3.6.2-2	1 - 10/01
B 3.6.2-3	1 - 8/98
B 3.6.2-4	1 - 8/98
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B 3.6.4-2	1 - 10/01
B 3.6.5-2	1 - 10/01
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B 3.6.6-4	1 - 6/02
B 3.6.6-5	2 - 6/02
B 3.6.6-7	1 - 11/00
B 3.6.6-8	2 - 6/97
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B 3.6.6-10	1
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PAGE	REVISION
B 3.7.1-2	1 - 10/01
B 3.7.2-3	1 - 10/01
B 3.7.3-2	1 - 10/01
B 3.7.4-2	1 - 8/99
B 3.7.4-3	2 - 10/01
B 3.7.4-5	1 - 8/99
B 3.7.5-1	1 - 11/97
B 3.7.5-2	1 - 11/97
B 3.7.5-3	2 - 10/01
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B 3.7.5-5	1 - 1/00
B 3.7.5-8	2 - 4/01
B 3.7.5-9	1 - 4/01
B 3.7.6-2	1 - 10/01
B 3.7.6-3	1 - 3/99
B 3.7.7-2	1 - 10/01
B 3.7.8-2	1 - 10/01
B 3.7.9-2	1 - 10/01
B 3.7.9-4	1 - 6/97
B 3.7.10-3	1 - 10/01
B 3.7.10-4	1 - 05/01
B 3.7.10-5	1 - 05/01
B 3.7.10-6	1 - 05/01
B 3.7.10-7	1 - 05/01
B 3.7.10-8	1 - 05/01
B 3.7.10-9	1 - 05/01
B 3.7.11-1	1 - 05/01
B 3.7.11-2	1 - 05/01
B 3.7.11-3	1 - 05/01
B 3.7.11-4	1 - 05/01
B 3.7.11-5	1 - 05/01
B 3.7.11-6	1 - 05/01
B 3.7.13-2	2 - 10/01
B 3.7.13-3	1 - 05/01
B 3.7.13-4	1 - 05/01
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B 3.7.14-2	2 - 3/02
B 3.7.14-3	1 - 3/02
B 3.7.14-4	1 - 3/02
B 3.7.14-5	1 - 3/02
B 3.7.15-1	1 - 10/01
B 3.7.16-2	1 - 10/01
B 3.7.17-1	2 - 7/98

PAGE	REVISION
B 3.7.17-2	2 - 7/98
B 3.7.17-3	2 - 7/98
B 3.7.17-4	2 - 7/98
B 3.7.17-5	3 - 10/01
B 3.7.17-6	2 - 7/98
B 3.7.18-1	2 - 7/98
B 3.7.18-2	2 - 7/98
B 3.7.18-3	3 - 10/01
B 3.7.18-4	2 - 7/98
B 3.7.18-5	1 - 3/98
B 3.8.1-3	1 - 10/01
B 3.8.1-5	1 - 6/98
B 3.8.1-6	1 - 6/98
B 3.8.1-7	1 - 6/98
B 3.8.1-8	1 - 6/98
B 3.8.1-9	1 - 6/98
B 3.8.1-10	1 - 6/98
B 3.8.1-11	1 - 6/98
B 3.8.1-12	1 - 6/98
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B 3.8.1-14	1 - 6/98
B 3.8.1-15	1 - 6/98
B 3.8.1-16	1 - 6/98
B 3.8.1-17	1 - 6/98
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B 3.8.1-19	1 - 6/98
B 3.8.1-30	1 - 12/97
B 3.8.1-31	2 - 4/02
B 3.8.1-32	1 - 4/02
B 3.8.1-38	1 - 4/02
B 3.8.2-2	1 - 10/01
B 3.8.3-2	3 - 10/01
B 3.8.3-3	1 - 9/97
B 3.8.3-5	1 - 9/97
B 3.8.3-6	1 - 9/97
B 3.8.3-8	1 - 10/01
B 3.8.3-9	2 - 2/00
B 3.8.3-12	1 - 2/00
B 3.8.3-13	1 - 2/00
B 3.8.3-14	1 - 2/00
B 3.8.4-1	1 - 9/97
B 3.8.4-2	1 - 9/97
B 3.8.4-3	2 - 10/01
B 3.8.4-7	1
B 3.8.4-8	2 - 12/97

PAGE	REVISION
B 3.8.4-9	1
B 3.8.4-10	1
B 3.8.4-11	1 - 9/97
B 3.8.5-1	2 - 10/01
B 3.8.5-2	1 - 9/97
B 3.8.5-3	1 - 9/97
B 3.8.6-1	1 - 10/01
B 3.8.7-2	1 - 9/97
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B 3.8.8-1	1 - 10/01
B 3.8.8-2	1 - 9/97
B 3.8.8-3	1 - 9/97
B 3.8.9-2	1 - 10/01
B 3.8.9-11	2 - 1/00
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B 3.8.10-2	1 - 9/97
B 3.8.10-3	1 - 9/97
B 3.8.10-4	1 - 9/97
B 3.9.1-3	2 - 10/01
B 3.9.2-2	1 - 10/01
B 3.9.3-1	2 - 10/01
B 3.9.3-3	1 - 3/99
B 3.9.4-1	1 - 9/00
B 3.9.4-2	1 - 3/99
B 3.9.4-3	3 - 9/00
B 3.9.4-4	4 - 10/01
B 3.9.4-5	3 - 9/00
B 3.9.4-6	2 - 3/99
B 3.9.4-7	3 - 9/00
B 3.9.5-2	1 - 10/01
B 3.9.6-1	1 - 10/01
B 3.9.6-2	1 - 9/99
B 3.9.7-2	1 - 10/01

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BASES

LCO

14. Containment Radiation (High Range) (continued)

Containment radiation level is used to determine if a high energy line break (HELB) has occurred, and whether the event is inside or outside of containment.

15. Steam Line Radiation Monitors

The Steam Line Radiation Monitors (Loops 13119, 13120, 13121 & 13122) are a Type A variable provided to allow detection of a gross secondary side radioactive release and to provide a means to identify the faulted steam generator. Steam generator narrow range level serves as diverse indication for the one monitor per loop provided.

16. RCS Subcooling

RCS Subcooling is a Type A variable provided to determine safety injection termination and re-initiation. The RCS Subcooling variable is determined by calculation in the Plant Safety Monitoring System. The RCS Subcooling instrumentation provides the information that allows operators to ensure safety injection is terminated at the optimum time and that sufficient subcooling margin exists upon return to normal plant conditions.

17. Neutron Flux (Extended Range)

Neutron Flux (Loops 13135A & 13135B) indication is provided to verify reactor shutdown. The extended range is necessary to cover the full range of flux that may occur post accident.

Neutron flux is used for accident diagnosis, verification of subcriticality, and diagnosis of positive reactivity insertion.

(continued)

BASES

LCO
(continued)

18. Reactor Vessel Water Level

Reactor Vessel Water Level (LT1310, LT1311, LT1312, LT1320, LT1321, & LT1322) is provided for verification and long term surveillance of core cooling. It is also used for accident diagnosis and to determine reactor coolant inventory adequacy. A RVLIS channel consists of Full Range, Upper Range, and Dynamic Range transmitters. LT1310 and LT1320 are Upper Range, LT1311 and LT1321 are Full Range, and LT1312 and LT1322 are Dynamic Range.

The Reactor Vessel Water Level Monitoring System provides a direct measurement of the collapsed liquid level above the uppercore plate. The collapsed level represents the amount of liquid mass that is in the reactor vessel above the core. Measurement of the collapsed water level is selected because it is a direct indication of the water inventory.

19. Hydrogen Monitors

Hydrogen Monitors (Loops 12979 & 12980) are provided to detect high hydrogen concentration conditions that represent a potential for containment breach from a hydrogen explosion. This variable is also important in verifying the adequacy of mitigating actions.

21. Containment Isolation Valve Position

CIV Position is provided for verification of Containment OPERABILITY, and Phase A isolation.

When used to verify Phase A isolation, the important information is the isolation status of the containment penetrations. The LCO requires one channel of valve position indication in the control room to be OPERABLE for each active containment isolation valve in a containment penetration flow path, i.e., two total channels of containment isolation valve position indication for a penetration flow path with two active valves. This is sufficient to redundantly verify the isolation status of each isolable penetration either via indicated status of the active valve, as applicable, and prior knowledge of a passive valve, or via system boundary status. If a normally active CIV is known to be closed and deactivated, position

(continued)