



A Duke Energy Company

R. A. JONES  
Vice President

Duke Power  
29672 / Oconee Nuclear Site  
7800 Rochester Highway  
Seneca, SC 29672

864 885 3158  
864 885 3564 fax

November 4, 2002

U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Document Control Desk

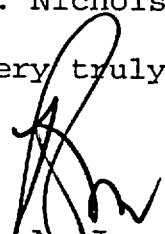
Subject: Oconee Nuclear Station  
Docket Numbers 50-269, 270, and 287  
Technical Specification Bases (TSB) Change

Please see attached revisions to Technical Specification Bases (TSB) 3.8.8 Distribution System - Operating, which was implemented on October 24, 2002. The change revises the description in the LCO Bases Section of the associated equipment in each of the three ES power settings. Unit 2 is being modified to add an MCC per string (2XS4, 2XS5, and 2XS6). The Table (items 3A, 3B, and 3C) in the LCO Bases is revised to specifically reference the new MCCs. Each of the new MCCs listed is modified by a parenthetical statement indicating that it is only required to be a part of the ES power string when supplying safety related loads. This was necessary since safety related loads will be added later and there was no reason to consider the ES power string inoperable if the MCC became inoperable prior to the MCC actually powering safety related loads. The addition of MCCs 2XS4, 2XS5, and 2XS6, is part of the 600V Capacity modification to add more safety-related power capacity to the plant.

Attachment 1 contains the new TSB page and Attachment 2 contains the markup version of the Bases page.

If any additional information is needed, please contact Larry E. Nicholson, at (864-885-3292).

Very truly yours,

  
R. A. Jones, Vice President  
Oconee Nuclear Site

14001

U. S. Nuclear Regulatory Commission  
November 4, 2002  
Page 2

cc: Mr. L. N. Olshan  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Mr. L. A. Reyes, Regional Administrator  
U. S. Nuclear Regulatory Commission - Region II  
Atlanta Federal Center  
61 Forsyth St., SW, Suite 23T85  
Atlanta, Georgia 30303

Mel Shannon  
Senior Resident Inspector  
Oconee Nuclear Station

Virgil R. Autry, Director  
Division of Radioactive Waste Management  
Bureau of Land and Waste Management  
Department of Health & Environmental Control  
2600 Bull Street  
Columbia, SC 29201

Attachment 1

**BASES (continued)**

**APPLICABLE SAFETY ANALYSES** The initial conditions of accidents and transient analyses in the UFSAR, Chapter 6 (Ref. 1) and Chapter 15 (Ref. 2), assume ES systems are **OPERABLE**. The AC, DC, and AC vital electrical power distribution systems are designed to provide sufficient capacity, capability, redundancy, and reliability to ensure the availability of necessary power to ES systems so that the fuel, Reactor Coolant System, and containment design limits are not exceeded. These limits are discussed in more detail in the Bases for Section 3.2, Power Distribution Limits; Section 3.4, Reactor Coolant System (RCS); and Section 3.6, Containment Systems.

The **OPERABILITY** of the AC, DC, and AC vital electrical power distribution systems is consistent with the initial assumptions of the accident analyses and is based upon meeting the design basis of the unit. This includes maintaining power distribution systems **OPERABLE** during accident conditions in the event of:

- a. An assumed loss of all offsite power or all onsite AC electrical power; and
- b. A worst-case single failure.

The distribution systems satisfy Criterion 3 of the 10 CFR 50.36 (Ref. 4).

**LCO**

The AC, DC, and AC vital electrical power distribution systems are required to be **OPERABLE**. To be considered **OPERABLE** the AC Distribution System must include two energized main feeder buses capable of being automatically powered by a Keowee Hydro Unit. Each main feeder bus is considered **OPERABLE** if it is energized and connected to at least two ES power strings. Each of the three ES power strings is required to be energized. The three ES power Strings consist of the following:

1A) Switchgear TC	1B) Switchgear TD	1C) Switchgear TE
2A) Load Center X8	2B) Load Center X9	2C) Load Center X10
3A) 600V MCC XS1, XS4 (Unit 2 only when supplying safety related loads), and 1, 2, 3XSF	3B) 600V MCC XS2, and XS5 (Unit 2 only when supplying safety related loads)	3C) 600V MCC XS3, and XS6 (Unit 2 only when supplying safety related loads)
4A) 208V MCC XS1 and 1, 2, 3XSF	4B) 208V MCC XS2	4C) 208V MCC XS3

Attachment 2

BASES (continued)

**APPLICABLE SAFETY ANALYSES** The initial conditions of accidents and transient analyses in the UFSAR, Chapter 6 (Ref. 1) and Chapter 15 (Ref. 2), assume ES systems are OPERABLE. The AC, DC, and AC vital electrical power distribution systems are designed to provide sufficient capacity, capability, redundancy, and reliability to ensure the availability of necessary power to ES systems so that the fuel, Reactor Coolant System, and containment design limits are not exceeded. These limits are discussed in more detail in the Bases for Section 3.2, Power Distribution Limits; Section 3.4, Reactor Coolant System (RCS); and Section 3.6, Containment Systems.

The OPERABILITY of the AC, DC, and AC vital electrical power distribution systems is consistent with the initial assumptions of the accident analyses and is based upon meeting the design basis of the unit. This includes maintaining power distribution systems OPERABLE during accident conditions in the event of:

- a. An assumed loss of all offsite power or all onsite AC electrical power; and
- b. A worst-case single failure.

The distribution systems satisfy Criterion 3 of the 10 CFR 50.36 (Ref. 4).

**LCO**

The AC, DC, and AC vital electrical power distribution systems are required to be OPERABLE. To be considered OPERABLE the AC Distribution System must include two energized main feeder buses capable of being automatically powered by a Keowee Hydro Unit. Each main feeder bus is considered OPERABLE if it is energized and connected to at least two ES power strings. Each of the three ES power strings is required to be energized. The three ES power Strings consist of the following:

1A) Switchgear TC	1B) Switchgear TD	1C) Switchgear TE
2A) Load Center X8	2B) Load Center X9	2C) Load Center X10
3A) 600V MCC XS1, and 1, 2, 3XSf	3B) 600V MCC XS2, and XS5	3C) 600V MCC XS3, and XS6
4A) 208V MCC XS1 and 1, 2, 3XSf	4B) 208V MCC XS2	4C) 208V MCC XS3

XS4 (Unit 2 only when supplying safety related loads),

(Unit 2 only when supplying safety related loads)