December 21, 1999

MEMORANDUM TO: Oconee Docket Files (50-269, 50-270, and 50-287)

FROM: Joseph Sebrosky, Project Manager
License Renewal and Standardization Branch
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

SUBJECT: OCONEE LICENSE RENEWAL DRAWINGS AND FLOW DIAGRAMS

By letters dated September 30, 1999, and October 15, 1999, Duke Energy Corporation (Duke) added several systems structures and components (SSCs) to the scope of the Oconee license renewal application. The purpose of this memorandum is to docket the attached drawings that were used by the Nuclear Regulatory Commission (NRC) staff to aid in the evaluation of these SSCs.

The September 30, 1999, letter contained summary descriptions of the following changes to the Oconee current licensing basis that materially affected the contents of the license renewal application:

1) plant modification to add the essential siphon vacuum system, the siphon seal water system, the essential siphon vacuum trenches, and the essential siphon vacuum building

2) revised steam generator tube rupture accident analysis

3) functional change of the reactor building auxiliary coolers

The October 15, 1999, letter, contained the response to the safety evaluation report open items. As a result of the response to some of these open items SSCs were added to the scope of Oconee's license renewal application.

The following table is a list of the Duke-provided drawings that were used by the staff as an aid in the evaluation of the added SSCs.

Drawing Number	**Description**
OFD-116J-1.5	Flow diagram of chilled water system pump and chillers
OFD-116J-1.6	Flow diagram of chilled water system chilled water supply and return
OFD-116J-3.3	Flow diagram of chilled water system chilled water supply and return
OFD-124A-1.2	Flow diagram of low pressure service water system turbine building (main turbine oil tank)
OFD-129A-1.1	Flow diagram of siphon seal water system

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Drawing Number	Description
OFD-129A-1.2	Flow diagram of siphon seal water system (CCW pump cooling)
OFD-129A-2.2	Flow diagram of siphon seal water system (CCW pump cooling)
OFD-129A-3.2	Flow diagram of siphon seal water system (CCW pump cooling)
OFD-130A-1.1	Flow diagram of essential siphon vacuum system
OFD-130A-2.1	Flow diagram of essential siphon vacuum system
OFD-130A-3.1	Flow diagram of essential siphon vacuum system
OFD-133A-1.1	Flow diagram of condenser circulating water system (CCW Intake Pumps Discharge)
OFD-144A-1.1	Flow diagram of component cooling system (supply and return)
OFD-144A-1.4	Flow diagram of component cooling system (drain tank)
OFD-144A-2.1	Flow diagram of component cooling system (supply and return)
OFD-144A-3.1	Flow diagram of component cooling system (supply and return)
O-347-J-001	Essential siphon vacuum building concrete plans, sections and details
O-347-J-002	Essential siphon vacuum building concrete plans, sections and details

cc wo/encls: Chris Grimes
Robert Prato
Jin Guo
Chris Gratton
Janak Raval

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NOT CONVERTED INTO ELECTRONIC IMAGE FORM.

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