

May 1, 2000

LICENSEE: SOUTHERN NUCLEAR OPERATING CO., INC.
FACILITY: EDWIN I. HATCH NUCLEAR PLANT, UNIT Nos. 1 AND 2
SUBJECT: SUMMARY OF WORKING MEETING WITH SOUTHERN NUCLEAR
OPERATING CO., INC., REGARDING SCOPING REVIEW FOR HATCH UNITs
1 AND 2 LICENSE RENEWAL APPLICATION

On April 12, 2000, representatives of Southern Nuclear Operating Co., Inc. (SNC), met with the Nuclear Regulatory Commission (NRC) staff to familiarize the staff with the process used to develop the functional boundary drawings used to identify systems, structures, and components (SSCs) within the scope of license renewal. SNC provided an overview of how the drawings were developed as well as several examples of how the drawings should be used to identify SSCs within the scope of license renewal. SNC's presentation was beneficial as it provided the staff with an overview of the development process for the drawings, which will allow the staff to determine the functional basis for including SSCs within the scope of license renewal.

Attendees are listed in Attachment 1. Presentation materials used by SNC are contained in Attachment 2. The drawings used during the working meeting (Standby Liquid Control System, (Drawing Number HL-16061), High Pressure Coolant Injection System (Drawing Numbers HL-16332 and 16333), Reactor Core Isolation Cooling System (Drawing Number HL-16334), and Standby Gas Treatment System (Drawing Number HL-16020)) are available in the Public Document Room (Accession Number ML003688222).

/RA/

William F. Burton, Senior Project Manager
License Renewal and Standardization Branch
Division of Regulatory Improvement Programs
Office of Nuclear Reactor Regulation

Docket Nos. 50-321 and 50-366

Attachments: As stated

cc w/atts: See next page

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ATTENDANCE LIST
EDWIN I. HATCH NUCLEAR PLANT, UNITS 1 AND 2
LICENSE RENEWAL APPLICATION
WORKING MEETING ON SCOPING
APRIL 12, 2000

	NAME	ORGANIZATION
1.	William Burton	NRC/NRR/DRIP/RLSB
2.	Tanya Eaton	NRC/NRR/DSSA/SPLB
3.	Ron Young	NRC/NRR/DSSA/SPLB
4.	Janak Raval	NRC/NRR/DSSA/SPLB
5.	Chang Li	NRC/NRR/DSSA/SPLB
6.	Muhammad Razzaque	NRC/NRR/DSSA/SRXB
7.	Rob Elliott	NRC/NRR/DSSA/SPLB
8.	Chris Gratton	NRC/NRR/DSSA/SPLB
9.	Kerri Kavanaugh	NRC/NRR/DSSA/SPLB
10.	Steve Hoffman	NRC/NRR/DRIP/RLSB
11.	Ray Baker	Southern Nuclear Co.
12.	Scott Kirk	Southern Nuclear Co.
13.	William Evans	Southern Nuclear Co.

**BACKGROUND INFORMATION FOR
SOUTHERN NUCLEAR LICENSE RENEWAL APPLICATION
EVALUATION BOUNDARY DRAWINGS**

- EVALUATION BOUNDARY DRAWINGS ARE A TOOL SOUTHERN NUCLEAR USED TO FACILITATE COMPONENT SCREENING
- SCOPING OF FUNCTIONS WAS PERFORMED AT A SYSTEM LEVEL - THE IN-SCOPE FUNCTIONS ARE THOSE FUNCTIONS IDENTIFIED AS INTENDED FUNCTIONS BY THE RULE
- BOUNDARY DRAWINGS WERE PRODUCED PRIMARILY FOR THE MECHANICAL PORTION OF THE INTENDED FUNCTIONS
- FUNCTION BOUNDARIES ARE SHOWN AS UNDEFINED ON THE DRAWINGS AT THE INTERFACE BETWEEN PURELY MECHANICAL COMPONENTS AND PURELY ELECTRICAL COMPONENTS. ELECTRO MECHANICAL COMPONENTS ARE GENERALLY HIGHLIGHTED ON THE DRAWINGS.
- BOUNDARY DRAWINGS WERE NOT PRODUCED FOR CIVIL/STRUCTURAL INTENDED FUNCTIONS. A SITE PLAN DRAWING IS PROVIDED SHOWING STRUCTURES HAVING AN INTENDED FUNCTION
- BOUNDARY DRAWINGS WERE NOT PRODUCED FOR ELECTRICAL INTENDED FUNCTIONS (EXCEPT FOR A SPECIFIC CASE) SINCE ELECTRICAL SCOPING/SCREENING WAS PERFORMED USING A PLANT SPACES APPROACH

TECHNICAL INFORMATION FOR
SOUTHERN NUCLEAR'S LICENSE RENEWAL APPLICATION
EVALUATION BOUNDARY DRAWINGS

- THERE ARE FOUR TYPES OF BOUNDARY DRAWINGS: PIPING & INSTRUMENTATION DIAGRAMS (P&ID), SINGLE LINE DIAGRAMS, BUILDING LAYOUT, AND FIRE PROTECTION.
- BOUNDARY DRAWINGS USE THE EXISTING NUMBERING SYSTEM WITH AN ADDED "L" DESIGNATOR.
- THE MAIN CONCEPT IS TO OVERLAY COLOR AND BOUNDARY MARKERS ONTO EXISTING DRAWINGS. DRAWING LAYOUT, NOTES, REFERENCES, ETC., ARE NOT CHANGED.
- THE BASIS PROCESS IS TO HIGHLIGHT THE EQUIPMENT REQUIRED TO PERFORM AN INTENDED FUNCTION AND LABEL THE FUNCTION. FUNCTION LABELS MATCH THE FUNCTIONS IDENTIFIED IN TABLE 2.2-1 OF THE APPLICATION.
- SOME IMPORTANT POINTS TO REMEMBER ARE:
 - AN INTENDED FUNCTION MAY CROSS SYSTEM BOUNDARIES.
 - AN INTENDED FUNCTION MAY BE INCLUDED ON SEVERAL DRAWINGS.
 - A SINGLE DRAWING MAY INCLUDE SEVERAL INTENDED FUNCTIONS.
 - ONCE A COMPONENT IS HIGHLIGHT FOR AN INTENDED FUNCTION, IT IS NOT IDENTIFIED FOR OTHER INTENDED FUNCTIONS.
- SOME ITEMS YOU MIGHT FIND ON A BOUNDARY DRAWING ARE:
 - TITLE (IDENTIFIES SYSTEM).
 - LICENSE RENEWAL LABEL (IDENTIFIES INTENDED FUNCTION).
 - BOUNDARY MARKERS (IDENTIFY INTENDED FUNCTIONS).
 - COMPONENT NUMBERS ("MPL" NUMBERING SYSTEM),
 - LINE SIZES AND PIPE CLASSES.
 - CONTINUATION ARROWS TO OTHER DRAWINGS.
 - "NIS" DESIGNATION (NOT-IN-SCOPE).

Souther Nuclear Operating Company
Edwin I. Hatch Nuclear Plant Units 1 and 2

Docket Nos.: 50-321, 50-366

cc:

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