



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

September 27, 2013

LICENSEE: Carolina Power and Light Company, Inc.  
FACILITY: Shearon Harris Nuclear Power Plant, Unit 1  
SUBJECT: SUMMARY OF JULY 9, 2013, MEETING WITH DUKE ENERGY REGARDING A  
NONCONSERVATIVE TECHNICAL SPECIFICATION LOSS OF OFFSITE  
POWER VOLTAGE SETPOINT LICENSE AMENDMENT REQUEST  
(TAC NO. MF1498)

On July 9, 2013, the Nuclear Regulatory Commission (NRC) staff conducted a Category 1 public meeting via teleconference call with Duke Energy Inc., which is representing Carolina Power & Light Company, the licensee for Shearon Harris Nuclear Power Plant, Unit 1 (Harris); at NRC Headquarters, One White Flint North, 11555 Rockville Pike, Rockville, Maryland. The purpose of the meeting was for Duke Energy to discuss its proposed license amendment request (LAR) regarding a nonconservative Technical Specification (TS) for loss of offsite power (LOOP) setpoint at Harris. The meeting notice was publicly available on the NRC's website and is documented in the NRC's Agencywide Documents Access and Management System (ADAMS) at Accession No. ML13162A296. The list of participants of the meeting is provided in the enclosure to this summary.

During the conference call, the licensee described the background, the description of the change and the basis for the proposed LAR. In terms of background, the licensee indicated that as a result of a Component Design Basis Inspection (CDBI) finding, there was reasonable doubt as to whether the permanently connected safety-related loads would remain available to respond to a LOOP following a nonaccident degraded voltage condition, for the duration of the time delay chosen for the degraded voltage relay. The CDBI finding resulted in nonconservative TSs for Harris due to not fully established analytical limits and the bases for allowable values and trip setpoints over-used engineering judgment and industry-standards practices.

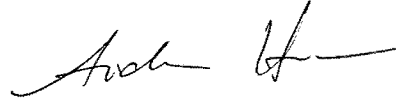
The licensee proposed change consists of revising Unit 9.a "Loss of Offsite Power 6.9 kV Emergency Bus Undervoltage-Primary" in the TS Table 3.3-4 "Engineered Safety Features Actuation System (ESFAS) Instrumentation Trip Setpoints." The licensee provided a markup of the TS in the meeting presentation slides (ADAMS Accession No. ML13204A256). The licensee's voltage point setpoints change basis consists on lowering the analytical limit for voltage established based upon procurement specifications and voltage drop calculations, and in calculating the minimum allowable value and trip setpoint using the standard setpoint methodology.

During the conference call, the NRC staff discussed its overall expectation of the LAR, the scheduling, and asked a few clarification questions. The NRC staff indicated to the licensee that the proposed LAR should include a description of the methodology used to calculate the voltage setpoints, and that the accident analysis meets the criteria of Chapter 15 "Accident Analysis" of the Updated Final Safety Analysis Report.

In terms of scheduling, the licensee is planning to submit the Harris LAR for NRC staff review by September 2013. Members of the public were invited and two participated in the meeting through a conference call. Public Meeting Feedback forms were not received.

Please contact me at (301) 415-8480 if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Andrew Hon", with a horizontal line extending to the right.

Andrew Hon, Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-400

Enclosure:  
List of Attendees

cc w/encl: Distribution via Listserv

LIST OF ATTENDEES

U. S. NUCLEAR REGULATORY COMMISSION

PUBLIC MEETING WITH DUKE ENERGY

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT 1

JULY 9, 2013

U. S. NRC

R. Mathew  
G. Matharu  
A. Billoch

DUKE ENERGY

J. Caves  
B. Mayall  
V. Puri  
J. Deitrick

PUBLIC

Steve Car - URS Corporation  
Patrick Wingo - URS Corporation

Enclosure

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*/RA/*

Andrew Hon, Project Manager  
Plant Licensing Branch II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

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**ADAMS Accession Nos.: Package ML13204A262  
Summary ML13204A267**

**Notice ML13162A296  
Slides ML13204A256**

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