April 1, 2011

MEMORANDUM TO: Edwin M. Hackett, Executive Director
Advisory Committee on Reactor Safeguards

FROM: David B. Matthews, Director ***/RA Frank Akstulewicz for/***
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: CALVERT CLIFFS NUCLEAR POWER PLANT UNIT 3 COMBINED LICENSE APPLICATION - SAFETY EVALUATION WITH OPEN ITEMS FOR PORTIONS OF CHAPTER 6, "ENGINEERED SAFETY FEATURES"

By letter dated July 13, 2007, Calvert Cliffs 3 Nuclear Project and UniStar Nuclear Operating Services, LLC (UniStar) submitted an application to the U.S. Nuclear Regulatory Commission (NRC) for a combined license (COL) application for Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3.

Based on our review of the application, the staff is providing the Advisory Committee on Reactor Safeguards (ACRS) its Safety Evaluation (SE), with Open Items for portions of Chapter 6, "Engineered Safety Features" (ML090900198). Unless otherwise stated in the SE, the staff's review was based on Revision 7 of the application. The SE is being provided to support a meeting of the subcommittee of the ACRS. The ACRS Full Committee meeting will be held after the subcommittee meeting.

The safety evaluation does not contain Sections 6.2.1, "Containment Functional Design," 6.2.2, "Containment Heat Removal Systems," and 6.3, "Emergency Core Cooling System." The staff will provide either a separate safety evaluation on Sections 6.2.1, 6.2.2 and 6.3, or include them in the Phase 4 safety evaluation for Chapter 6.

For Chapter 6, the staff plans on focusing their presentation on the following specific category of interest:

- Site-specific information contained in Section 6.4, "Habitability Systems."

CONTACT: Surinder Arora, DNRL/NARP
301-415-1421

The staff concludes that the SE does not contain any information exempt from public disclosure. However, the NRC will withhold the SE from public disclosure for ten working days to allow CCNPP Unit 3 the opportunity to verify the staff's conclusion that the SE contains no such exempt information. Therefore, the staff requests that the ACRS withhold the SE from public disclosure until the information has been released publicly in ADAMS.

The staff will inform the ACRS immediately if CCNPP Unit 3 request that any of the information in the SE be withheld from public disclosure.

Docket No. 52-016

The staff concludes that the SE does not contain any information exempt from public disclosure. However, the NRC will withhold the SE from public disclosure for ten working days to allow CCNPP Unit 3 the opportunity to verify the staff's conclusion that the SE contains no such exempt information. Therefore, the staff requests that the ACRS withhold the SE from public disclosure until the information has been released publicly in ADAMS.

The staff will inform the ACRS immediately if CCNPP Unit 3 request that any of the information in the SE be withheld from public disclosure.

Docket No. 52-016

DISTRIBUTION:
PUBLIC
Director, DNRL
JColaccino, DNRL/NARP
JMcLellan, DNRL/NARP
JCarneal, DNRL/NARP
SArora, DNRL/NARP
RidsNrrOd
RidsNroDnrlNarp
RidsNroDnrl

**ADAMS Accession Numbers:**
**PKG: ML110630124**
**MEMO: ML110630151**
**SER: ML090900198** * Via E-mail **NRO-002**

| **OFFICE** | DNRL/NARP:PM | DNRL/NARP:LA* | DNRL/NARP:TL | DNRL/NARP:BC | DNRL:D |
|---|---|---|---|---|---|
| **NAME** | JCarneal | JMcLellan | SArora | JColacinno | DMatthews (Frank Akstulewicz for) |
| **DATE** | 03/02/11 | 03/25/11 | 03/29/11 | 03/29/11 | 04/01/11 |

**OFFICIAL RECORD COPY**