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10 CFR 50.4  
10 CFR 52.79

March 15, 2010

UN#10-073

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

Subject: UniStar Nuclear Energy, NRC Docket No. 52-016  
Changes to Generic Text of FSAR Section 12.3  
Calvert Cliffs Nuclear Power Plant, Unit 3

Reference: Rocky Sgarro (PPL, Bell Bend) to Document Control Desk (NRC), "Bell Bend Nuclear Power Plant, Response to RAI No. 44, BNP-2009-259, Docket No. 52-039," (Ascension Letter ML092730241), dated September 24, 2009

The purpose of this letter is to identify changes that will be made to the Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 FSAR Section 12.3 generic text, in a future revision of the Final Safety Analysis Report (FSAR), as submitted in Part 2 of the CCNPP Unit 3 Combined License Application (COLA), Revision 6.

In the response to Bell Bend Nuclear Power Plant (BBNPP) Request for Additional Information (RAI) 44, Question 12.03-12.04-2 (Reference), generic text was added to Section 12.3.1 of the BBNPP COLA. This same generic text will be added to the CCNPP Unit 3 COLA.

The enclosure provides the necessary changes to CCNPP Unit 3 FSAR Section 12.3.1. A Licensing Basis Document Change Request has been initiated to incorporate these changes into a future revision of the COLA.

Our response does not include any new regulatory commitments. This letter does not contain any sensitive or proprietary information.

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If there are any questions regarding this transmittal, please contact me at (410) 470-4205, or Mr. Wayne A. Massie at (410) 470-5503.

*I declare under penalty of perjury that the foregoing is true and correct.*

Executed on March 15, 2010

A handwritten signature in black ink, appearing to read 'Greg Gibson', with a long horizontal flourish extending to the right.

Greg Gibson

Enclosure: Changes to the Generic Text of FSAR Section 12.3.1, Calvert Cliffs Nuclear Power Plant, Unit 3

cc: Surinder Arora, NRC Project Manager, U.S. EPR Projects Branch  
Laura Quinn, NRC Environmental Project Manager, U.S. EPR COL Application  
Getachew Tesfaye, NRC Project Manager, U.S. EPR DC Application (w/o enclosure)  
Loren Plisco, Deputy Regional Administrator, NRC Region II (w/o enclosure)  
Silas Kennedy, U.S. NRC Resident Inspector, CCNPP, Units 1 and 2  
U.S. NRC Region I Office

GTG/JER/mdf

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**Enclosure**

**Changes to the Generic Text of  
FSAR Section 12.3.1  
Calvert Cliffs Nuclear Power Plant, Unit 3**

## **COLA Impact**

FSAR Section 12.3.1 will be updated as follows in a future COLA revision:

### **12.3.1 FACILITY DESIGN FEATURES**

No departures or supplements.

#### **12.3.1.1 Reactor Building**

No departures or supplements

#### **12.3.1.2 Safeguards Building**

No departures or supplements

#### **12.3.1.3 Fuel Building**

No departures or supplements

#### **12.3.1.4 Nuclear Auxiliary Building**

No departures or supplements

#### **12.3.1.5 Radioactive Waste Processing Building**

No departures or supplements

#### **12.3.1.6 Access Building**

The U.S. EPR includes the following conceptual design information in Section 12.3.1.6 for the Access Building:

Access control facilities control the entrance and exit of personnel and materials into and from the radiologically controlled area (RCA) of the plant. [[Separate change areas for male and female personnel are located at the access control facility. These facilities are located at elevations -13 feet and 0 feet of the Access Building. The change areas are sufficiently sized to support routine operations, maintenance and typical refueling outage conditions.

Radiation protection offices sufficient to support staff oversight of the radiological control program are located at elevation +39 feet of the Access Building. Space is provided for storage and issuance of radiation protection equipment, instrumentation, dosimetry, and supplies.

Access control facilities are shown in Figures 12.3-14-[[Access Building at Elevation -31 Ft Radiation Zones]] through 12.3-20-[[Access Building at Elevation +54 Ft Radiation Zones.]]

### **Personnel Decontamination Area**

[[Once a worker has entered the RCA within the Access Building, entrance to the portions of the connecting buildings in the RCA is at elevation 0 feet, where the worker enters Safeguard Building Division 4. From there, the worker can follow a passageway around the Reactor Building and enter the Fuel Building and Nuclear Auxiliary Building or access other divisions of the Safeguard Building.

Personnel decontamination areas are located near the exit side of the primary access control facility at elevation 0 feet of the Access Building near the control point. The personnel decontamination area is supplied with sinks and showers with drains that are routed to the liquid waste management svstem.]]

### **Portable Instrument Calibration Facility**

[[A portable instrument calibration facility is located at elevation 0 feet of the Access Building and is designed so that radiation fields created during calibrations do not unnecessarily expose personnel and do not interfere with low-level monitoring or counting systems. This facility is in a low background radiation area so that ambient radiation fields from plant operation do not interfere with low-range instrument calibrations.]]

### **Respiratory Facility**

[[A respirator facility is located with the laundry and consumables storage area at elevation 0 feet in the Access Building. Room is provided for respirator inspection, maintenance, repair, storage, inventory, control, and issuance.]]

### **Equipment Decontamination Facility**

[[Decontamination and cleaning of personnel protective equipment, instrumentation, and small items are performed in a facility set up for that specific purpose at elevation 0 feet of the Access Building. The washdown area and sink drains are routed to the liquid waste management system, and positive air flow is maintained into the decontamination facility and exhausted into a monitored building ventilation svstem. The facility is provided with coated walls and floors to ease cleanup and decontamination.]]

### **Radioactive Materials Storage Area**

[[A radioactive materials storage area is located at elevation 0 feet of the Access Building and provides for secure storage of calibration sources.]]

### **Facility for Dosimetry Processing and Bioassay**

[[A bioassay room is located at elevation 0 feet of the Access Building outside of the radiological controlled area for dosimetry processing and bioassays collection. The facility is sufficiently shielded to maintain low background radiation levels.]]

The above conceptual design information is addressed as follows:

The reference Access Building designs are utilized. The design information as stated in the U.S. EPR FSAR is incorporated by reference.

**12.3.1.7 Layout Design features for ALARA**

No departures or supplements

**12.3.1.8 Access to Radiologically Restricted Areas**

No departures or supplements

**12.3.1.9 Equipment Design Features and Shielding for ALARA**

No departures or supplements