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UniStar
NUCLEAR ENERGY

10 CFR 50.4
10 CFR 52.79

October 31, 2008

UN#08-059

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

Subject: UniStar Nuclear Energy, NRC Docket No. 52-016
Submittal of a listing of the Combined License Application for Calvert Cliffs Nuclear Power Plant, Unit 3 – Intake Structure Relocation Affected Sections

Reference: NRC SER Issues as communicated by Joe Colaccino (NRC) to George Wrobel, dated October 14, 2008

The purpose of this letter is to provide a listing of chapters, sections and figures affected by relocation of the CCNPP3 Intake Structure. This information is provided in the enclosure.

If there are any questions regarding this transmittal, please contact Mr. George Wrobel at (585) 771-3535.

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

Executed on October 31, 2008

for Greg Gibson

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NRO

Enclosure: Intake Structure Relocation Affected Sections within CCNPP3 COLA

cc: U.S. NRC Region I
U.S. NRC Resident Inspector, Calvert Cliffs Nuclear Power Plant, Units 1 and 2
NRC Environmental Project Manager, U.S. EPR Combined License Application
NRC Project Manager, U.S. EPR Combined License Application
NRC Project Manager, U.S. EPR Design Certification Application (w/o enclosure)

Enclosure

Intake Structure Relocation Affected Sections within CCNPP3 COLA

ER Section	Description	Effort for Change
1.2.4	Cooling System Information	Minor
2.3.1.1.1	Fresh Water Streams	Minor
2.3.1.1.2.5	Chesapeake Bay Bathymetry	Minor
2.3.3.1.2	Chesapeake Bay	Minor
3.4	Cooling System	Minor
4.3.1	Terrestrial Ecosystem	Minor
5.2	Water Related Impacts	Minor
5.3	Cooling System Impacts	Minor
5.4	Radiological Impacts of Normal Operations	Minor
9.4.1	Heat Dissipation System	Minor
9.4.2	Circulating Water System	Minor
10.1.3	Summary OF Unavoidable Adverse Environmental Impacts from Construction and Operations	Minor
10.5.1	Cumulative Impacts from Construction	Moderate
N/A	Review of sections prepared by others	

ER Figures	Description	Effort for Change
2.3.4	CCNPP 3 Utilization Plot Plan	Minor
2.3.27	Bathymetry	Minor
2.3.68	CCNPP Water Production Wells	Minor
2.3.85	Ground Water Well Sampling Locations at CCNPP, May 2007	Minor
3.1.1	Site Area Topographical Map	Minor
3.4.3	Circulating Water Intake/Discharge Structure Location Plan	Moderate
3.4.4	Plan View of Chesapeake Bay Intake System for CCNPP 3	Moderate
3.4.5	Section View of Chesapeake Bay Intake System for CCNPP 3	Moderate
4.2.1	Final Site Grading Plan CCNPP Unit 3	Minor
4.5.1	Site Layout of CCNPP Units 1, 2, and 3}	Minor
4.5.7	Dose Rate Estimated in 2015 in units of mrem per 8760 hours}	Minor
5.8.1	Predicted Sound Contours (dBA) of Hybrid Cooling Tower During Leaf-On Conditions	Minor
5.8.2	Predicted Sound Contours (dBA) of Hybrid Cooling Tower During Leaf-Off Conditions	Minor
6.1.1	Existing Thermal Monitoring Stations for CCNPP	Minor
6.2.1	CCNPP Sampling Locations 0-2 mi (0-3.2 km)	Minor
6.2.3	CCNPP Independent Spent Fuel Storage Installation Sampling Locations	Minor
6.4.1	CCNPP Site Map with Meteorological Tower Location	Minor
6.4.2	Detailed Topography Within 5 mi (8 km)	Minor

FSAR Section	Description	Effort for Change
1.1.1	Plant Location	Minor
1.2.2	Site Description	Minor
2.2	Nearby Industrial, Transportation and Military Facilities	Moderate
2.4.1	Hydrologic Description	Minor
2.4.1.1	Site and Facilities	Moderate
2.4.2	Floods	Minor
2.4.2.2	Flood Design Considerations	Minor
2.4.3	Probable Maximum Flood (PMF) on Streams and Rivers	Minor
2.4.5	Probable Maximum Surge and Seiche Flooding	Minor
2.4.5.3	Wave Action	Minor
2.4.5.5	Protective Structures	Minor
2.4.6	Probable Maximum (PM) Tsunami Flooding	Minor
2.4.7	Ice Effects	Minor
2.4.8	Cooling Water Canals and Reservoirs	Minor
2.4.8.1	Cooling Water Design	Minor
2.4.9	Channel Diversions	Moderate
2.4.9.2	Regional Topographic Evidence	Moderate
2.4.10	Flooding Protection Requirements	Minor
2.4.11	Low Water Considerations	Moderate
2.4.11.5	Plant Requirements	Moderate
2.4.11.6	Heat Sink Dependability Requirements	Minor
2.4.12	Groundwater	Minor
2.4.14.1	Need for Technical Specifications and Emergency Operations Requirements	Minor
2.5.2	Vibratory Ground Motion	Major
2.5.4	Stability on Subsurface Mats and Foundations	Moderate
2.5.4.10	Static Stability	Moderate
2.5.5	Stability of Slopes	Moderate
2.5.5.1.1	Characteristics of Constructed Slopes	Moderate
2.5.5.2.1	Stability of Constructed Slopes	Moderate
3.1.1.5.1	U.S. EPR Compliance	Minor
3.4.3.10	UHS Make Up Flooding Analysis	Moderate
3.7.1	Seismic Design Parameters	Minor
3.7.2	Seismic System Analysis	Major
3.7.3	Seismic Subsection Analysis	Minor
3.8.4	Other Seismic Cat I Structures	Minor
3.8.4.1	Description Structure	Minor
3.8.5	Foundations	Moderate
Appendix 3E4	UHS Makeup Water Intake Structure and UHS Electrical Building	Major
9.2.2	Component Cooling Water System	Minor
9.2.5	UHS	Minor
9.4	AC, Heating, Cooling, and Ventilation Systems	Minor
9.5.1	Fire Protection System	Minor
10.4.5	Circulating Water System	Minor

FSAR Figures	Description	Effort for Change
1.1.3	Site Area Map	Minor
2.1.1	Site Area Map	Minor
2.4.1	Site Area Topography and Drainage	Minor
2.4.2	Site Utilization Plot Plan	Minor
2.4.7	Sub Basin Drainage Boundary	Minor
2.4.9	Drainage Ditch Cross Section	Minor
2.4.10	Site Location	Minor
2.5.104	Sub Surface Investigation Location Plan (Power Block)	Moderate
2.5.129	Site Grading Plan	Minor
2.5.159	Site Grading Plan	Minor
2.5.161	Cross Section of Intake Structure	Moderate
2.5.171	Static Pseudo Analysis	Moderate
3.8.1	Schematic Site Plan of Seismic Category I Buried Utilities (Electrical Duct Banks)	Moderate
3.8.3	Schematic Site Plan of Seismic Category I Buried Utilities (Underground Piping)	Moderate
3.8.5	Isometric View of the GT STRUDL Finite Element Model for the UHS Makeup Water Intake Structure (Partial View of Basemat, Exterior Walls and Interior Divider Walls)	Moderate
3E4-2	Sections UHS Make Up Intake	Moderate
3E4-3	Intake FEM Model	Moderate
3E4-4	ISO UHS FEM Model	Moderate
3E4-5	Foundation UHS Electrical Building	Moderate
9B-23	Fire Barrier Location - Intake Structure (UHS)	Minor
9B-24	Fire Barrier Location - CW Intake Structure	Minor
9B-67	Fire Barrier Location	Minor
9.2.4	General Area - UHS Makeup Water and CW Intake Structures	Minor
9.2.5	UHS Makeup Water Intake Structure - Plan View	Minor
9.2.6	UHS Makeup Water Intake Structure - Section View	Minor
10.4.4	Circulating Water System Makeup Pump Intake Structure (Plan View)	Minor
10.4.5	Circulating Water System Makeup Pump Intake Structure (Section View)	Minor