Greg Gibson
Vice President, Regulatory Affairs

100 Constellation Way, Suite 1400P
Baltimore, Maryland 21202-3106

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

D079
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 enclosures)

Enclosure

Intake Structure Relocation Affected Sections within CCNPP3 COLA

ER SECTION	DESCRIPTION
1.2.4	Cooling System Information
2.3.1.1.1	Fresh Water Streams
2.3.1.1.2.5	Chesapeake Bay Bathymetry
2.3.3.1.2	Chesapeake Bay
3.4	Cooling System
4.3.1	Terrestrial Ecosystem
5.2	Water Related Impacts
5.3	Cooling System Impacts
5.4	Radiological Impacts of Normal Operations
9.4.1	Heat Dissipation System
9.4.2	Circulating Water System
10.1.3	Summary OF Unavoidable Adverse Environmental Impacts from Construction and Operations
10.5.1	Cumulative Impacts from Construction

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

FSAR SECTION	DESCRIPTION
1.1.1	Plant Location
1.2.2	Site Description
2.2	Nearby Industrial, Transportation and Military Facilities
2.4.1	Hydrologic Description
2.4.1.1	Site and Facilities
2.4.2	Floods
2.4.2.2	Flood Design Considerations
2.4.3	Probable Maximum Flood (PMF) on Streams and Rivers
2.4.5	Probable Maximum Surge and Seiche Flooding
2.4.5.3	Wave Action
2.4.5.5	Protective Structures
2.4.6	Probable Maximum (PM) Tsunami Flooding
2.4.7	Ice Effects
2.4.8	Cooling Water Canals and Reservoirs
2.4.8.1	Cooling Water Design
2.4.9	Channel Diversions
2.4.9.2	Regional Topographic Evidence
2.4.10	Flooding Protection Requirements
2.4.11	Low Water Considerations
2.4.11.5	Plant Requirements
2.4.11.6	Heat Sink Dependability Requirements
2.4.12	Groundwater
2.4.14.1	Need for Technical Specifications and Emergency Operations Requirements
2.5.2	Vibratory Ground Motion
2.5.4	Stability on Subsurface Mats and Foundations
2.5.4.10	Static Stability
2.5.5	Stability of Slopes
2.5.5.1.1	Characteristics of Constructed Slopes
2.5.5.2.1	Stability of Constructed Slopes
3.1.1.5.1	US EPR Compliance
3.4.3.10	UHS Make Up Flooding Analysis
3.7.1	Seismic Design Parameters
3.7.2	Seismic System Analysis
3.7.3	Seismic Subsection Analysis
3.8.4	Other Seismic Cat I Structures
3.8.4.1	Description Structure
3.8.5	Foundations

FSAR SECTION	DESCRIPTION
Appendix 3E4	UHS Makeup Water Intake Structure and UHS Electrical Building
9.2.2	Component Cooling Water System
9.2.5	UHS
9.4	AC, Heating, Cooling and Ventilation Systems
9.5.1	Fire Protection System
10.4.5	Circulating Water System

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