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10 CFR 52.3
10 CFR 2.390

September 19, 2008

UN#08-035

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

Subject: UniStar Nuclear Energy, NRC Docket No. 52-016
Submittal of Updated Response to Calvert Cliffs Nuclear Power Plant, Unit 3
Environmental Request for Additional Information

Reference: Letter UN#08-018 G. Vanderheyden (UniStar Nuclear Energy) to Document
to Control Desk (U.S. Nuclear Regulatory Commission), Submittal of
Response to Requests for Additional Information for the Calvert Cliffs
Nuclear Power Plant, Unit 3 and Request for Withholding of Documents,"
dated June 12, 2008

The referenced letter provided UniStar Nuclear Energy's responses to Requests for
Additional Information (RAIs) related to the Calvert Cliffs Nuclear Power Plant (CCNPP),
Unit 3 Environmental Report (ER). Subsequent to that response, UniStar Nuclear Energy
received a request for supplemental information relating to RAI Item Number 104.
Specifically, a request was made for electronic input files for LADTAPII and GASPARII
analyses as documented in the CCNPP, Unit 3 ER Section 5.4. Enclosed is the
supplemental response and associated CD containing the electronic input files.

If you have any questions, please call Mr. George Wrobel at (585) 771-3535.

D079
MRO

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

Executed on September 19, 2008

A handwritten signature in black ink, appearing to read "G. Vanderheyden", with a long horizontal line extending to the right.

George Vanderheyden

Enclosure: Supplemental Response to RAI Item Number 104 w/CD

cc:

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

Enclosure

Supplemental Response to RAI Item Number 104

Item Number 104**ER Section 5.4****Request:**

Provide input and output files for LADTAP, GASPAR-II.

Supplemental Response:

Inputs for the LADTAP II and GASPAR II runs are listed below along with a file description for each of the input files. The electronic files are provided on the enclosed CD.

File Name	File Description
• PSAT 4023CF.16 R1.Inp	• LADTAP II Input (binary file) for Offsite Dose to Maximum Exposed Individual and Population from Liquid Effluents
• PSAT 4023CF.16 R1_input.txt	• LADTAP II Input (text based) for Offsite Dose to Maximum Exposed Individual and Population from Liquid Effluents
• Bio_High.inp	• LADTAP II Input (text based) for Calculation of Dose to Biota – high dilution
• Bio_Low.inp	• LADTAP II Input (text based) for Calculation of Dose to Biota – low dilution
• PSAT 4023CF.07 R1.Inp	• LADTAP II Input (binary file) for Cost-Benefit Analysis – Reference Configuration
• PSAT 4023CF07_R1__input.txt	• LADTAP II Input (text based) for Cost-Benefit Analysis – Reference Configuration
• PSAT 4023CF.07 R1 altConfig.Inp	• LADTAP II Input (binary file) for Cost-Benefit Analysis –Alternate Configuration
• PSAT 4023CF07_R1__Alt_config.txt	• LADTAP II Input (text based) for Cost-Benefit Analysis –Alternate Configuration
• PSAT 4023CF.17R2.gnp	• GASPAR II Input (binary file)for Calculation of Maximum Exposed Individual and Biota Dose
• PSAT 4023CF17_R2_input.txt	• GASPAR II Input (text based)for Calculation of Maximum Exposed Individual and Biota Dose
• PSAT 4023CF.18.gnp	• GASPAR II Input (binary file) for Calculation of Population Dose using 2000-2005 data
• PSAT 4023CF18_R0_thru_2005_input.txt	• GASPAR II Input (text based) for Calculation of Population Dose using 2000-2005 data

• PSAT 4023CF.18 (with 2006 data).gnp	• GASPAR II Input (binary file) for Calculation of Population Dose using 2000-2006 data
• PSAT 4023CF18_R0_thru_2006_input.txt	• GASPAR II Input (text based) for Calculation of Population Dose using 2000-2006 data

ER Impact:

No change to the ER is required.