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December 15, 2011

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555

Serial No. NA3-11-050
Docket No. 52-017
COL/JBL

DOMINION VIRGINIA POWER
NORTH ANNA UNIT 3 COMBINED LICENSE APPLICATION
POST ER AUDIT FOLLOW UP - REQUEST FOR MACCS RUN ELECTRONIC FILES

This letter is in response to information you requested during an environmental review audit held at Dominion's Innsbrook Technical Center February 2-3, 2011. At the time of the audit, information you had requested regarding "... input to and output from a revised severe accident consequence assessment (MACCS runs)..." was not available. Subsequently on May 23, 2011, you transmitted a Request for Additional Information question (ACC-04) regarding "... details of the SAMDA analysis..." This question necessitated re-running the MACCS code, and the re-run MACCS code input and output files are enclosed as described.

One CD-ROM is provided containing the MACCS2 Version 1.13 code input and output files (MELCOR Accident Consequence Code System 2) of electronic files requested and includes the following information:

- CASE 12A, as applied to ER RAI ACC-03 (see Dominion RAI response letter # NA3-11-033R, transmitted in August 2011).

For ER RAI ACC-03, CASE12A, a Modified Base Case, provided population dose, dollars, land area decontamination, population dose from water ingestion, and early and latent fatalities per reactor year, given in Table 1: Mean Environmental Risks from the US-APWR Severe Accidents at the North Anna Site.

- CASES 8A, 9A, 10A, and 11A, as applied to ER RAI ACC-04 (see Dominion RAI response letter # NA3-11-033RA, transmitted in December 2011).

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For ER RAI ACC-04, the Base Case Internal Event, flood, fire, and low-power and shutdown (LPSD) events used data from four MACCS2 cases. The Base Case, CASE8A, provided population dose and dollars for the Internal Events; CASE9A provided population dose and dollars for the Flooding Events; CASE10A provided population dose and dollars for the Fire Events; CASE11A provided population dose and dollars for the LPSD Events. The same MACCS2 case use pattern was repeated for the SAMDA #4 and #10 analysis noted in ER RAI ACC-04.

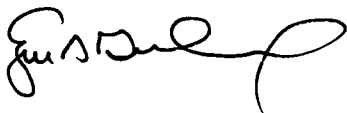
The same revised meteorological, population, and economic data were used for both ER RAI ACC-03 and ER RAI ACC-04 responses.

Enclosure 1 contains information proprietary to Mitsubishi Heavy Industries, Ltd (MHI). Accordingly, it is requested that this information be withheld from public disclosure pursuant to 10 CFR 2.390(a)(4) of the Commission's regulations. This request is supported by an affidavit (Enclosure 2), signed by MHI, which sets forth the basis on which the information may be withheld from public disclosure.

As requested by the NRC, the files are submitted in the native formats required by the software in which they may be used to support the staff's analysis. Therefore, the files on the enclosed CD-ROM are not considered documents as defined in Section 2 of NRC's "Guidance for Electronic Submissions to the NRC," Revision 6, dated May 17, 2010.

Please contact Tony Banks at (804) 273-2170 (tony.banks@dom.com) if you have questions.

Very truly yours,



Eugene S. Grecheck

Commitments made by this letter:

None

cc with Enclosures:

U. S. Nuclear Regulatory Commission, Region II
C. P. Patel, NRC
T. S. Dozier, NRC

cc without Enclosures:

G. J. Kolcum, NRC

Enclosure 1 PROPRIETARY: One CD-ROM containing the following files

APATMOS5.INP
APATMOS6.INP
APATMOS7.INP
APATMOS.INP
APCHRONC1.INP

APEARLY1.INP
APEARLY2.INP
NMET08.INP
NSITE30.INP

APOUT8A.OUT
APOUT9A.OUT
APOUT10A.OUT
APOUT11A.OUT
APOUT12A.OUT

Enclosure 2: Mitsubishi Heavy Industries, Ltd., Affidavit

COMMONWEALTH OF VIRGINIA

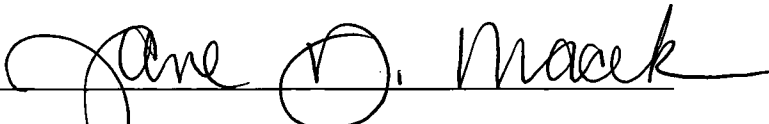
COUNTY OF HENRICO

The foregoing document was acknowledged before me, in and for the County and Commonwealth aforesaid, today by Eugene S. Grecheck, who is Vice President-Nuclear Development of Virginia Electric and Power Company (Dominion Virginia Power). He has affirmed before me that he is duly authorized to execute and file the foregoing document on behalf of the Company, and that the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 15th day of December, 2011

My registration number is 112534 and my

Commission expires: April 30, 2015



Notary Public

ENCLOSURE 1

PROPRIETARY

CD-ROM CONTAINING
Response to Post ER Audit Follow-Up – MACCS2 Version 1.13 Code
Input and Output files

ENCLOSURE 2

Mitsubishi Heavy Industries, Ltd.
Affidavit

MITSUBISHI HEAVY INDUSTRIES, LTD.

AFFIDAVIT

I, Yoshiki Ogata, being duly sworn according to law, depose and state as follows:

1. I am General Manager, APWR Promoting Department, of Mitsubishi Heavy Industries, Ltd ("MHI"), and have been delegated the function of reviewing MHI's US-APWR documentation to determine whether it contains information that should be withheld from disclosure pursuant to 10 C.F.R. § 2.390 (a)(4) as trade secrets and commercial or financial information which is privileged or confidential.
2. In accordance with my responsibilities, I have reviewed the enclosed "6CS-1E-NA3-110010 Rev0: Information on Severe Accident of internal flood and fire events at power, and LPSD conditions – MACCS2", and have determined that the document and attachment data contain proprietary information that should be withheld from public disclosure.
3. The information in the document and data identified as proprietary by MHI has in the past been, and will continue to be, held in confidence by MHI and its disclosure outside the company is limited to regulatory bodies, customers and potential customers, and their agents, suppliers, and licensees, and others with a legitimate need for the information, and is always subject to suitable measures to protect it from unauthorized use or disclosure.
4. In response to ACC-3 and ACC-4 of NA3 ACC RAIs, "6CS-1E-NA3-110010 Rev0: Information on Severe Accident of internal flood and fire events at power, and LPSD conditions – MACCS2" that involves MHI's know-how is provided to MNES (or DVP). The knowledge and know-how in the document are required for making these input data from a number of design parameters.
5. Public disclosure of the referenced information would assist competitors of MHI in their design of new nuclear power plants without the costs or risks associated with the design of new fuel systems and components. Disclosure of the information identified as proprietary would therefore have negative impacts on the competitive position of MHI in the U.S. nuclear plant market.

I declare under penalty of perjury that the foregoing affidavit and the matters stated therein are true and correct to the best of my knowledge, information and belief.

Executed on this 9th day of December, 2011.

Jumpei Matsumoto for

Jumpei Matsumoto Dec. 9, '11

Yoshiki Ogata,
General Manager- APWR Promoting Department
Mitsubishi Heavy Industries, LTD.