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*W. D. Buxton*

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Sandia National Laboratories

Albuquerque, New Mexico 87185

January 29, 1986

Dr. James J. Watt  
Reactor Systems Branch  
Division of PWR Licensing-A, PWR  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Jim,

Enclosed is a letter report describing the results of our TRAC-PF1/MOD1 calculations for the UHI project (Project 2, Tasks 1 and 2 of FIN Number A-1803). The work proposal for these tasks specifies that this letter report include the following, listed as items a,b,c, and d. (a) Discussion of comments and suggestions from third parties such as UHI licensees and Westinghouse. The only suggestions from such third parties were in response to our questions concerning boundary and initial conditions. The conditions provided to us are given in this letter report in the section entitled "Initial and Steady State Conditions." (b) Development of TRAC-PF1/MOD1 input model. This is discussed in the section entitled "UHI Input Model Description." (c) Discussion of calculation results. This discussion is included in the section entitled "Transient Calculation Results." (d) Discussion of parameters that might affect results. This is covered in the section entitled "Comments and Conclusions." Some aspects of these items were also discussed in earlier letter reports and in the monthly status reports. Please contact me if you have any questions or comments.

Note that the attached information contains data that is proprietary to Westinghouse and should be treated accordingly.

Sincerely,

*Dean Dobranich*

Dean Dobranich  
Thermal/Hydraulic Analysis  
Division 6444

Enclosure

Copy to:  
D. Langford, NRC  
L. D. Buxton, SNL/6444

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