

# WOLF CREEK

NUCLEAR OPERATING CORPORATION

Bart D. Withers  
President and  
Chief Executive Officer

April 27, 1990

WM 90-0091

U. S. Nuclear Regulatory Commission  
Mail Station P1-137  
ATTN: Document Control Desk  
Washington, D.C. 20555

Reference: 1) Letter dated February 27, 1990 from D. V. Pickett, NRC  
to B. D. Withers, WCNOC  
2) WM 89-0010, dated January 10, 1989 from B. D. Withers,  
WCNOC to NRC  
Subject: Docket No. 50-482: Simulator Certification Request for  
Additional Information

Gentlemen:

The purpose of this letter is to provide the additional information requested in Reference 1. Reference 2 transmitted the initial simulator certification in accordance with 10 CFR 55.45 for Wolf Creek Nuclear Operating Corporation (WCNOC). This submittal identified that the Wolf Creek Generating Station (WCGS) simulator was functioning at a level approximately eight percent slower than "real time" as measured by performance testing. It was also stated that this deviation from "real time" had not resulted in any impact on the licensed operator training programs. WCNOC is committed to maintaining the fidelity of the WCGS simulator and will take necessary actions to correct significant deviations from "real time" simulation which have been determined to adversely impact licensed operator training programs.

Since the initial submittal of the WCGS simulator certification, WCNOC has continued to pursue improving the "real time" performance of the WCGS simulator. This effort has been successful in eliminating the deviation from "real time", while maintaining an adequate amount (greater than ten percent) of spare central processing unit duty cycle time. This improvement in performance was achieved by a combination of software and hardware modifications to the simulator computer system.

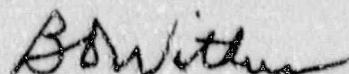
Modifications to the WCGS simulator are tested utilizing licensed operators and evaluated by the Simulator Fidelity Review Board (SFRB). One of the major functions of the SFRB is to review differences between the WCGS simulator and

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WOGS to determine if there is any adverse impact on licensed operator training programs. The SFRB ensures that necessary modifications to the WOGS simulator reflecting modifications to WOGS are incorporated in a manner that does not adversely impact the licensed operator training programs. WCNOC will take necessary actions to correct conditions identified by the SFRB to adversely impact licensed operator training programs.

If you have any questions concerning this matter, please contact me or Mr. H. K. Chernoff of my staff.

Very truly yours,



Bart D. Withers  
President and  
Chief Executive Officer

BDW/jra

cc: R. D. Martin (NRC)  
D. Persinko (NRC)  
D. V. Pickett (NRC)  
M. E. Skow (NRC)