

Duke Power Company
Production Support Department
Training & Technology Center
13339 Hagers Ferry Road
Huntersville, NC 28078

(704)875-5000



DUKE POWER

January 4, 1991

To: Director, Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Certification of McGuire Nuclear
Station Training Simulator

Accompanying this letter is Duke Power Company's submittal of NRC form 474 and related documentation for initial certification of the McGuire Nuclear Station Training Simulator. The information is compiled and organized as described on the attached outline.

Any questions or correspondence regarding this submittal may be directed to:

Larry E. Weaver
Manager, McGuire Training
Duke Power Company
McGuire Nuclear Station
12700 Hagers Ferry Road
Huntersville, N.C. 28078
Telephone: 704-875-4221

David M. McGinnis
Director, McGuire Operations Training
Duke Power Company
Technical Training Center
13339 Hagers Ferry Road
Huntersville, N.C. 28078
Telephone: 704-875-5018

Sincerely,

David M. McGinnis
Director, McGuire Operations Training

DMM/wms

cc: Neal Hunemueller, U.S. Nuclear Regulatory Commission
Curt Rapp, U.S. Nuclear Regulatory Commission, Region II

9101100041 910104
PDR ADOCK 05000369
PDR

090007

A005
11 VOLS
1-15

DUKE POWER COMPANY
 MCGUIRE NUCLEAR SIMULATOR CERTIFICATION
 PACKAGE OUTLINE

	<u>CONTAINED IN:</u>
I. INTRODUCTION	VOL. 1
II. FORM 474	VOL. 1
A. Overview of Contents (Section II, Form 474)	VOL. 1
B. Completed Form 474 for Unit 1 (Reference Unit)	VOL. 1
C. Completed Form 474 for Unit 2	VOL. 1
1. McGuire Unit 1 and Unit 2 Differences	
D. Attachments to Form 474 for Unit 1 and Unit 2	VOL. 1
1. Simulation Facility Performance Tests Abstracts Attached	VOL. 1
a. The Duke Power Co. Simulator Factory Acceptance Test (FAT) Plan	VOL. 1
b. FAT Test Procedures	VOL. 2-12
c. Transient Selection	VOL. 13
2. Simulation Facility Performance Testing Schedule Attached	VOL. 13
a. Annual Performance Test Schedule	VOL. 13
b. Annual Computer Real Time Test Description	VOL. 13
c. Annual Steady State Test Description	VOL. 13
d. Annual Transient Test Descriptions	VOL. 13
e. Malfuction Test Descriptions	VOL. 14
III. SUPPLEMENTAL INFORMATION SUPPORTING COMPLIANCE TO ANSI/ANS 3.5 1985 APPENDIX A, AS ENDORSED BY REGULATORY GUIDE 1.149	VOL. 14
A. Overview of Contents (Section III, Supplemental Information Supporting Compliance to ANSI/ANS 3.5 1985 - Appendix A, as Endorsed by Regulatory Guide 1.149)	VOL. 14
B. Simulator Information (A.1)	VOL. 14
1. General Information (A.1.1)	VOL. 14
a. Owner/Operator/Manufacturer	VOL. 14
b. Reference Plant/Type/Rating	VOL. 14
c. Date Available for Training	VOL. 14
d. Type of Report	VOL. 14

DUKE POWER COMPANY
MCGUIRE NUCLEAR SIMULATOR CERTIFICATION
PACKAGE OUTLINE

CONTAINED IN:

2.	Control Room Comparison (A.1.2)	VOL. 14
a.	Control Room Physical Arrangement	VOL. 14
b.	Panels and Equipment	VOL. 14
c.	Systems	VOL. 14
d.	Simulator Control Room Environment	VOL. 14
3.	Instructor Interface (A.1.3)	VOL. 14
a.	List of Initial Conditions	VOL. 14
b.	List of Malfunctions	VOL. 14
c.	Controls Provided Outside the Control Room	VOL. 15
d.	Additional Special Instructor or Training Features	VOL. 15
4.	Operating Procedure Comparison (A.1.4)	VOL. 15
C.	Simulator Database (A.2)	VOL. 15
1.	McGuire Simulator Database Administrative Procedure	VOL. 15
2.	Master Index of McGuire Simulator Database	VOL. 15
D.	Simulator Testing (A.3)	VOL. 15
E.	Configuration Management System (A.4)	VOL. 15
1.	ETQS Standard 206.0 on Configuration Management	VOL. 15
2.	Simulator Disc Management System Procedure	VOL. 15

McGuire Nuclear Power Plant Operator Training Simulator Certification Package

