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MAY 07 1992

Docket Nos. 50-369, 50-370
License Nos. NPF-9, NPF-17

Duke Power Company
ATTN: Mr. T. C. McMeekin
Vice President
McGuire Site
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

Gentlemen:

SUBJECT: MEETING SUMMARY - MCGUIRE NUCLEAR STATION
DOCKET NOS. 50-369 AND 50-370

This letter refers to the Self Assessment Presentation held on April 29, 1992, in the NRC Region II office. This meeting was conducted in order for your staff to present the results of the self assessment of the McGuire facility since February 3, 1991. Your staff presented an overview of the performance in each of the NRC's functional assessment areas and the perceived strengths and challenges for each of these areas.

The presentation provided the NRC staff with an understanding of the results of the self assessment and of your perceived strengths and weaknesses that were identified during this self assessment.

Enclosed is a list of the meeting attendees and a copy of your presentation.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosures will be placed in the NRC Public Document Room.

Should you have any questions concerning this letter, please contact us.

Sincerely,

ORIGINAL SIGNED BY L. A. REYES

Luis A. Reyes, Director
Division of Reactor Projects

Enclosures:

1. List of Attendees
2. Duke's Presentation

cc w/encls: (See page 2)

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P PDR

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MAY 07 1992

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bcc w/encls: (See page 3)

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J. Johnson, RII
W. Miller, RII
G. A. Belisle, RII
A. R. Herdt, RII
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RII:DRP
W Miller
W Miller
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RII:DRP
ABelisle
ABelisle
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RII:DRP
AHerdt
AHerdt
5/7/92

~~RII:DRP~~
~~JJohnson~~
5/7/92

ENCLOSURE 1

LIST OF ATTENDEES

U.S. Nuclear Regulatory Commission

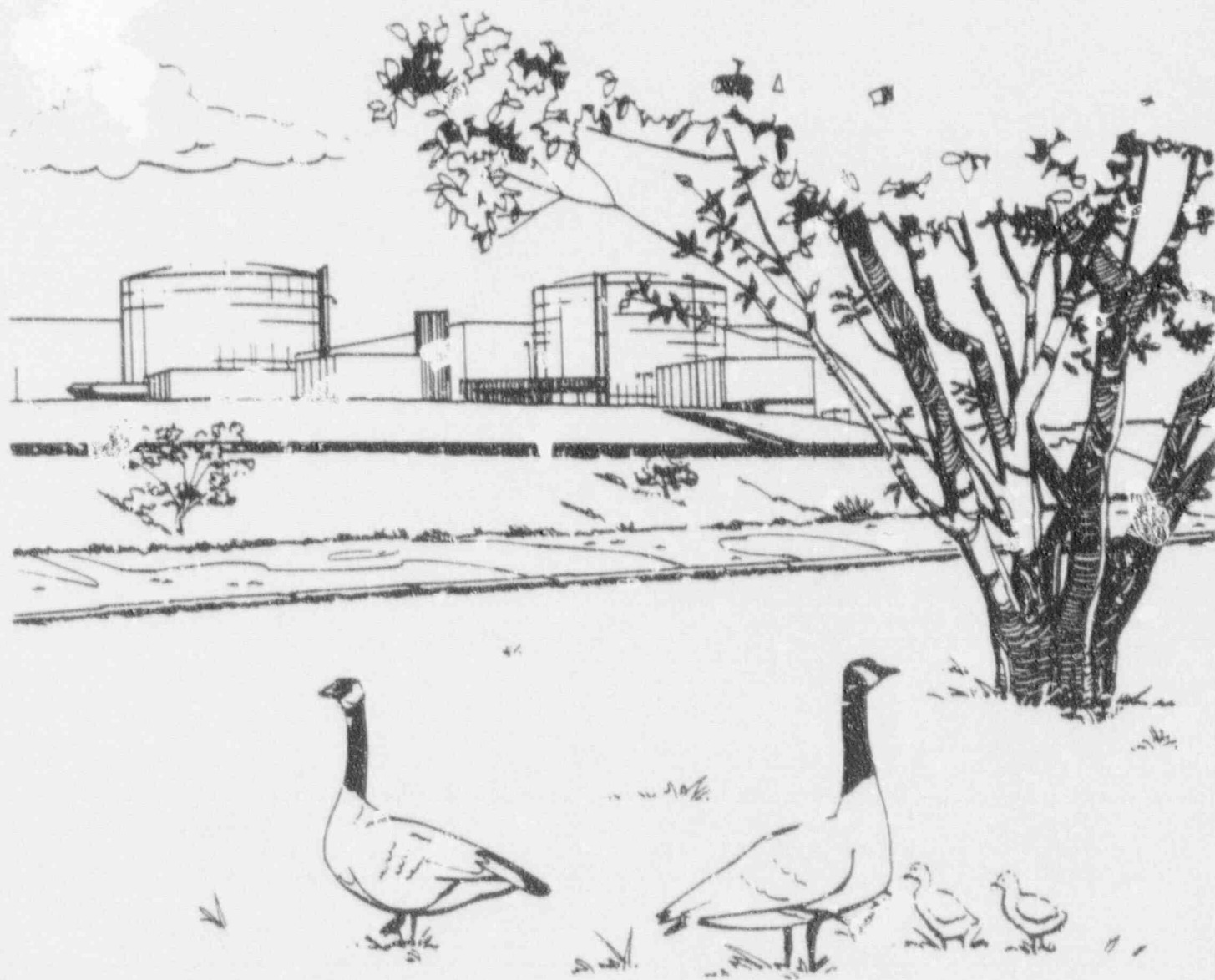
J. L. Milhoan, Deputy Regional Administrator, Region II (RII)
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E. W. Merschoff, Deputy Director, DRS, RII
B. S. Mallett, Deputy Director, Division of Radiation Safety and Safeguards,
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A. R. Herdt, Chief, Reactor Projects Branch 3, Division of Reactor Projects
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G. A. Belisle, Chief, Reactor Projects Section 3A, DRP, RII
T. A. Reed, Project Manager, Project Directorate II-3, NRR
P. K. VanDoorn, Senior Resident Inspector, McGuire, DRP, RII
T. A. Cooper, Resident Inspector, McGuire, DRP, RII
W. H. Miller, J., Project Engineer, Reactor Projects Section 3A, DRP, RII

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T. L. McConnell, Manager, McGuire Nuclear Station (MNS)
G. D. Gilbert, Manager, Safety Assurance, MNS
P. R. Herran, Manager, Engineering, MNS
R. O. Sharpe, Manager, Regulatory Compliance, MNS
F. H. Fowler, Manager, Human Resources, MNS

McGUIRE NUCLEAR STATION

SELF-ASSESSMENT PRESENTATION



April 29, 1992



DUKE POWER

AGENDA

TC MCMEEKIN PERFORMANCE OVERVIEW

TL MCCONNELL PLANT OPERATIONS
RADIOLOGICAL CONTROLS
MAINTENANCE
ENGINEERING/TECH SUPPORT
SECURITY

GD GILBERT SAFETY ASSURANCE/QUALITY VERIFICATION
EMERGENCY PLANNING

TC MCMEEKIN SUMMARY

SELF ASSESSMENT OVERVIEW

1. SAFETY INITIATIVES
2. REORGANIZATION
3. REGULATORY INTERFACE
4. STATION PERFORMANCE
5. CHALLENGES

PLANT OPERATIONS

STRENGTHS & INITIATIVES

1. IMPROVED UNIT CAPACITY FACTORS IN 1991
2. LOW NUMBER OF AUTOMATIC REACTOR TRIPS IN 1991
3. SAFETY SYSTEM AVAILABILITY IMPROVEMENTS
4. REDUCED NUMBER OF CONTROL ROOM INDICATIONS
5. REDUCED LIQUID RADWASTE AND CONDENSATE MAKEUP ("TIGHTER" SYSTEMS)
6. IMPROVED PLANT CONTROL DURING OUTAGES AND MIDLOOP OPERATION

PLANT OPERATIONS

STRENGTHS & INITIATIVES

7. OPERATOR PERFORMANCE IS CONSERVATIVE
8. INITIATIVES TO IMPROVE HUMAN PERFORMANCE
9. ENHANCED EVENT INVESTIGATION PROGRAM
10. COMMUNICATION ENHANCEMENTS
11. CONTINUED EFFECTIVE OPERATOR TRAINING PROGRAM
12. CONTINUING TO IMPROVE THE FIRE PROTECTION PROGRAM

PLANT OPERATIONS

CHALLENGES

1. FUEL RELIABILITY NEEDS IMPROVEMENT
2. COMPONENT MIS-POSITIONING FREQUENCY IS TOO HIGH
3. NEED TO FURTHER REDUCE OUTAGE RISK
4. OPERATING PROCEDURE QUALITY NEEDS IMPROVEMENT
5. RETRAINING TO A "RULE BASED" PROCEDURAL USE PHILOSOPHY FROM ONE OF "KNOWLEDGE BASE" MUST BE PERFORMED.

RADIOLOGICAL CONTROL

STRENGTHS & INITIATIVES

1. CONTINUED IMPROVEMENTS IN CONTAMINATION CONTROL
2. CONTINUED IMPROVEMENTS IN EFFLUENT CONTROL
3. CONTINUED IMPROVEMENTS IN RADWASTE MANAGEMENT
4. DOSE REDUCTION EFFORTS ARE SUCCESSFUL

CHALLENGES

1. FURTHER REDUCE ROUTINE LOW DOSE EXPOSURES
2. IMPLEMENTING A NEW ELECTRONIC DOSE CAPTURE SYSTEM

MAINTENANCE

STRENGTHS & INITIATIVES

1. MAINTENANCE IMPROVES SAFETY SYSTEM AVAILABILITY
2. NO REACTOR TRIPS DUE TO MAINTENANCE ACTIVITY
3. IMPROVED MANAGEMENT OF MAINTENANCE ACTIVITIES
4. PROCEDURE UPGRADES
5. WORK CONTROL CENTER (WCC) IMPLEMENTATION
6. ENHANCED POST MAINTENANCE TESTING PROGRAM
7. WORK MANAGEMENT SYSTEMS (WMS) IMPLEMENTATION

MAINTENANCE

CHALLENGES

1. MATERIAL CONDITION BACKLOG IS TOO HIGH
2. PROCEDURE ADHERENCE NEEDS FURTHER IMPROVEMENT
3. CONTROL OF SPECIAL TOOLS NEEDS IMPROVEMENT
4. IMPROVE CONTROL OF COATINGS ON SAFETY RELATED COMPONENTS
5. IMPROVE EFFICIENCY OF TOTAL WORK CONTROL PROCESS

ENGINEERING AND TECHNICAL SUPPORT

STRENGTHS & INITIATIVES

1. ENGINEERING REORGANIZATION FOCUSES SYSTEM EXPERTISE
2. DESIGN BASIS DOCUMENTATION/TEST ACCEPTANCE CRITERIA PROJECT IS ON SCHEDULE
3. DESIGN AUTOMATION IMPLEMENTATION
4. FIRE PROTECTION PROGRAM IMPROVEMENTS
5. EFFECTIVE MOTOR OPERATED VALVE PROGRAM
(NRC Generic Letter 89-10)
6. IMPROVEMENTS IN ELECTRICAL CONFIGURATION CONTROL
7. MAINTENANCE ACTION PLANNING PACKAGE (MAPP)

ENGINEERING AND TECHNICAL SUPPORT

CHALLENGES

1. IMPLEMENTING AN IMPROVED MODIFICATION PROCESS
2. IMPROVE HVAC SAFETY SYSTEM AVAILABILITY
3. MAINTAIN/IMPROVE RAW WATER SYSTEM RELIABILITY
4. OPTIMIZE S/G TUBE INSPECTION AND REPAIR PROGRAM
5. PLAN FOR S/G REPLACEMENT

PROJECTED SCHEDULE FOR THE COMPLETION OF THE DBD PROJECT

Year	Number of DBDs Scheduled to be Completed	Percent Complete
1991	31 *	24.3 *
1992	59	51.3
1993	78	68.4
1994	98	86.0
1995	114	100

* 1991 numbers are actual numbers based on completed DBDs.

SECURITY

STRENGTHS & INITIATIVES

1. CONTINUED IMPROVEMENT IN ACCESS CONTROL and AUTHORIZATION
2. CONTINUED IMPROVEMENTS IN SECURITY EQUIPMENT/SYSTEMS
3. CONTINUED IMPROVEMENTS IN SECURITY FORCE PREPAREDNESS
4. CONTINUED MANAGEMENT INVOLVEMENT
5. IMPROVED PROFESSIONAL DEVELOPMENT
6. EFFECTIVE FITNESS FOR DUTY PROGRAM

CHALLENGES

1. SEVERAL AREAS NEED EQUIPMENT IMPROVEMENTS
2. IMPROVEMENTS NEEDED IN TACTICAL RESPONSE TEAM TRAINING

SAFETY ASSURANCE / QUALITY VERIFICATION

STRENGTHS & INITIATIVES - NRC INTERFACE

1. IMPROVING TIMELINESS OF RESPONSE TO NRC COMMUNICATIONS
2. IMPROVING QUALITY OF SUBMITTALS
3. CONTINUED EXCELLENT COMMUNICATIONS WITH NRC STAFF

SAFETY ASSURANCE / QUALITY VERIFICATION

STRENGTHS & INITIATIVES - INDEPENDENT OVERSIGHT ACTIVITIES

1. QA SITE VERIFICATION/SURVEILLANCE ACTIVITIES CONTINUE TO ASSURE PLANT QUALITY IMPROVEMENTS
2. QA AUDIT TEAM TECHNICAL EXPERTS (SITA) IDENTIFY PLANT IMPROVEMENT OPPORTUNITIES
3. INTEGRATED SAFETY ASSESSMENT PROGRAM ASSISTS IN FOCUSING RESOURCES
4. HPES COORDINATOR FOCUSES ATTENTION ON HUMAN PERFORMANCE
5. MSRG INPLANT REVIEWS CONTINUE TO ASSURE QUALITY IMPROVEMENTS
6. QA SURVEILLANCE STAFF RESPONDS TO REQUESTS FOR SPECIAL ASSIGNMENTS
7. QUALITY VERIFICATION FUNCTIONS CONSOLIDATED

SAFETY ASSURANCE / QUALITY VERIFICATION

CHALLENGES

1. BETTER ROOT CAUSE DETERMINATION¹⁰
2. IMPROVE TIMELINESS OF CORRECTIVE ACTIONS
3. IMPROVING THE PIR PROGRAM

EMERGENCY PREPAREDNESS

STRENGTHS & INITIATIVES

1. INCREASED TRAINING QUALIFICATIONS
2. SUCCESSFUL EXERCISES AND DRILLS
3. IMPROVED COMMUNICATION EQUIPMENT
4. IMPROVED FACILITIES

CHALLENGE

1. INCORPORATING ORGANIZATIONAL/FUNCTIONAL CHANGES