

March 25, 1996

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

SUBJECT: MEETING SUMMARY - MCGUIRE NUCLEAR STATION

Gentlemen:

This refers to a Management meeting that was conducted at your request on March 20, 1996, to discuss the results of Self Assessment initiatives at the McGuire Nuclear Station. This meeting was conducted in the Region II office in Atlanta, Georgia.

It is our opinion that this meeting was beneficial to the NRC staff as it provided a good overview of the status of performance at McGuire and your continuing efforts at improvement initiatives.

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
R. V. Crlenjak

R. V. Crlenjak, Chief
Reactor Projects Branch 1
Division of Reactor Projects

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

Enclosures:

1. List of Attendees
2. Licensee Presentation Handout

cc w/encls: (See page 2)

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PDR ADDCK 05000369
P PDR

050040

JE45

cc w/encls:
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Distribution w/encls:
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 PUBLIC

NRC Resident Inspector
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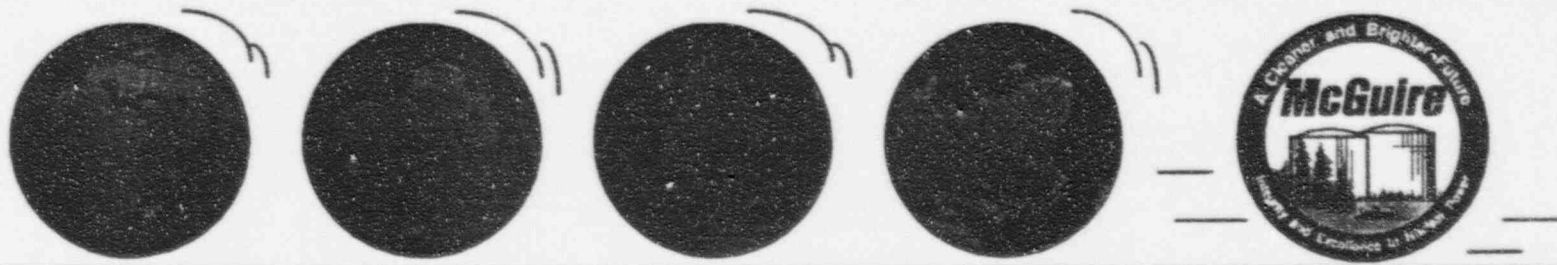
LIST OF ATTENDEES

NUCLEAR REGULATORY COMMISSION ATTENDEES:

- S. Ebnetter, Regional Administrator, Region II (RII)
- L. Reyes, Deputy Regional Administrator, RII
- E. Merschhoff, Director, Division of Reactor Projects (DRP), RII
- A. Gibson, Director, Division of Reactor Safety (DRS), RII
- R. Crlenjak, Chief, Branch 1, DRP, RII
- H. Berkow, Director, Project Directorate II-2, NRR
- V. Nerses, Project Manager, Project Directorate II-2, NRR
- G. Maxwell, Senior Resident Inspector, McGuire, DRP, RII
- H. Christensen, Chief, Maintenance Branch, DRS, RII
- S. Rudisail, Project Engineer, Branch 1, DRP, RII

DUKE POWER COMPANY (DPC) ATTENDEES:

- E. Geddie, Plant Manager, McGuire Nuclear Station (MNS), DPC
- R. Jones, Operations Superintendent, MNS, DPC
- M. Nazar, Maintenance Superintendent, MNS, DPC
- B. Dolan, Safety Assurance Manager, MNS, DPC
- P. Herran, Engineering Manager, MNS, DPC
- J. Snyder, Regulatory Compliance Manager, MNS, DPC
- 6. Pierce, Engineering Supervisor, MNS, DPC



McGUIRE NUCLEAR STATION

SELF ASSESSMENT PRESENTATION

March 20, 1996

OVERHEAD PACKAGE



March 20, 1996 - Self Assessment Meeting

AGENDA

- ◆ INTRODUCTION TCM
 - ◆ 1995 IN RETROSPECT TCM
 - ◆ 1996 SITE PLAN CHANGES TCM
 - ◆ 1EOC10 REFUELING OUTAGE REPORT EMG
 - ◆ McGUIRE SELF ASSESSMENT EMG
 - ◆ OPERATIONS RAJ
 - ◆ MAINTENANCE MKN
 - ◆ ENGINEERING PRH
 - ◆ PLANT SUPPORT BJD
 - ◆ SELF ASSESSMENT / CORRECTIVE ACTION PROGRAM BJD
 - ◆ WRAP-UP TCM
-
-



March 20, 1996 - Self Assessment Meeting

NRC ISSUES

- ◆ **COMMITMENT MANAGEMENT**
- ◆ **FSAR USE**
- ◆ **STANDARDIZED TECH SPEC**
- ◆ **10CFR50.59 PROCESS**



March 20, 1996 - Self Assessment Meeting

SITE PERFORMANCE MEASURES

1995 IN RETROSPECT

Team Effectiveness

Safety	7	9
	EMPLOYEE INJURIES (Birmingham) \$	PERSONNEL EXPOSURE (Geddie)

Team Excellence	11	14	15
	FEMALES/MINORITIES IN MGMT (Birmingham)	EMPLOYEE EFFECTIVE (Birmingham)	LER's (Personnel Error) (Geddie)

VISION - "TO BE WORLD CLASS"

- Top 10 Non-Fuel Cost for all US Nuclear Plants in 1995
- Top Quartile Capacity Factor for all US Nuclear Plants in 1995
- Top Quartile INPO Rating for all US Nuclear Plants by 1996
- Top Quartile SALP Rating for all US Nuclear Plants by 1997
- Zero Recordable Injuries and Environmental Incidents by 1998

Operating Excellence

Site Performance	17	19	21	23	25
	EFFECTIVE FULL POWER DAYS (Geddie) \$	NUCLEAR SAFETY INDEX (Dolan)	LER's (Total) (Dolan)	NRC VIOLATIONS (Dolan)	INPO PERF. INDICATOR INDEX (Herran)
	5		27	28	31
	SALP RATING (McMeekin)	INPO RATING (McMeekin)	WORK-AROUNDS COMPLETED (Herran)	WORK PROCESS BACKLOG (Geddie)	PRE-OUTAGE MILESTONES (Geddie)

Environmental	33	35	37	39
	REPORTABLE ENVIRON. INCIDENTS (Dolan)	SOLID RADWASTE (Geddie)	LIQUID RADWASTE (Geddie)	SOURCE REDUCTION OF WASTE (Dolan)

Cost	41	43	45
	MCGUIRE O&M BUDGET (Utterback)	INVENTORY DOLLAR VALUE (Foster)	PGG PRODUCTION COST (Utterback) \$

Red - Not Meeting Expectations
 Yellow - Improvement Needed
 Green - Meeting Expectations
 White - Currently Unreported

Previous Quarters →

1Q	2Q	3Q	4Q
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 Current Status →

1Q	2Q	3Q	4Q
			(Dwyer)

\$ - Denotes Site Incentive Goal

Management Focus

47		53			
HUMAN PERFORM. (Geddie)	EQUIPMENT RELIABILITY (Herran)	CORRECTIVE ACTION (Dolan)	WORK MANAGEMENT (Geddie)	TRAINING EFFECTIVE (White)	



March 20, 1996 - Self Assessment Meeting

SITE PERFORMANCE MEASURES

1996 SITE PLAN CHANGES

- NUCLEAR SAFETY
- PERSONNEL SAFETY
- ENVIRONMENTAL PROTECTION ARE PARAMOUNT

February, 1996

VISION: "TO BE WORLD CLASS"

- Production cost in Top 10 in 1996
- Capacity factor in Top Quartile in 1996
- INPO Rating in Top Quartile in 1996
- NRC SALP Score in Top Quartile by 1997
- Zero Recordable Injuries in 1998
- Zero Reportable Environmental Incidents by 1998

Team Effectiveness

EMPLOYEE INJURIES \$ (Birmingham) 3	PERSONNEL EXPOSURE (Geddie) 4	EMPLOYEE EFFECTIVE. (Birmingham) 5	BUSINESS EXCELLENCE ASSESSMENT (Weidner) 6
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Operating Excellence - Nuclear System

GENERATION (EFFECT. FULL POWER DAYS) \$ (Doddie) 7	OUTAGE TARGETS (Geddie) 8	NUCLEAR SYSTEM EVENTS \$ (Dolan) 9	PERFORMANCE INDICATOR INDEX \$ (Herran) 11	INPO RATING (McMeekin) 23	SALP SCORE (McMeekin) 24
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Operating Excellence - Cost Control

SYSTEM NON-FUEL O&M BUDGET \$ (Utterback) 25	MARKET BASED NON-FUEL O&M BUDGET (Utterback) 26	FUEL COST (Utterback) 27	NON-MAJOR CAPITAL SPENDING (Utterback) 28	201's COMPL. WITHIN ESTIMATE (Utterback) 29	STEAM GEN. REPLACEMENT COST (Geddie) 30
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Stewardship

REPORTABLE ENVIRON. INCIDENTS (Dolan) 31	SOLID RADWASTE (Geddie) 32	RADIATION RELEASE INDEX (Geddie) 33	PAR / CIS SURVEY (McSwain) 34
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Site Focus - The Biggest Barriers to Achieving Our Vision

OPERATIONAL FOCUS (Geddie) 35	SYSTEM RELIABILITY (Herran) 36	WORK MANAGEMENT (Geddie) 40	TRAINING EFFECTIVE. (White) 43	SELF IMPROVEMENT CULTURE (McMeekin)
MODIFICATIONS (Herran) 47	INVENTORY MANAGEMENT (Foster) 49	FINANCIAL MANAGEMENT (Utterback) 50		

Red - Not Meeting YTD Expectations
 Yellow - Not Meeting Monthly Expectations
 Green - Meeting Monthly and YTD Expectations
 White - Currently Unreported

Quarterly Status →

10	20	30	40
94	95	96	95

YTD → MEASURE
 Current Status → (Owner) (pg)

\$ Represents Site Incentive Goal



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1EOC10 REFUELING OUTAGE REPORT

◆ OUTAGE GOAL HIGHLIGHTS

- ◆ No LER Events
- ◆ Low Personnel Exposure
- ◆ No Station Recordable Injuries
- ◆ Low Solid Radwaste
- ◆ Liquid Radwaste Challenge



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IEOC10 REFUELING OUTAGE REPORT

◆ CHALLENGING OUTAGE GOALS

NGD STD MEASURES	GOAL	ACTUAL
Licensee Event Reports	1	0
Personnel Exposure (rem)	136.9	127.8
Recordable Injuries	6	4
Solid Radwaste (cubic feet)	4800	1840
Liquid Radwaste (gallons/day)	2550	5453
Radiological Events	14	9
Security Door Events	24	9
Outage Duration in Days	45	42
Outage Milestones	8 of 10	5 of 10



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IEOC10 REFUELING OUTAGE REPORT

◆ MAJOR WORK ACTIVITIES

- ◆ Defueling / Refueling
- ◆ Reactor Vessel Head
- ◆ Reactor Coolant Pumps
- ◆ Steam Generator Maintenance
- ◆ Valve Maintenance
- ◆ Turbine / Generator
- ◆ Major Modifications
- ◆ Minor Modifications



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IEOC10 REFUELING OUTAGE REPORT

◆ OUTAGE LESSONS LEARNED

- ◆ Adherence to preoutage milestones needs to improve.
- ◆ Work Package preparation needs to improve.
- ◆ Clarify ownership and control of Reactor Coolant System degas.
- ◆ Review scheduled electrical and mechanical work to eliminate conflicts.
- ◆ Testing during power escalation needs review.
- ◆ Need clear work scope for modification work.
- ◆ Early Spare Parts identification needs to improve.
- ◆ Improve coordination between block tagouts and liquid waste inputs.



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1EOC10 REFUELING OUTAGE REPORT

◆ OUTAGE SUCCESS STORIES

- ◆ No LERs
- ◆ Low Dose
- ◆ Managed Concurrent Unit 2 Forced Outage
 - ◆ December 15, 1995, Unit 2 experienced a forced outage due to excessive leakage through the reactor head vent valves. Completion of a forced outage on Unit 2 while maintaining the scheduled work for 1EOC10.
- ◆ Work balanced between day/night shifts
- ◆ Outage Window Coordinators
- ◆ Outage Duration was best ever at MNS: 42 days 16 hours.
 - ◆ Second outage in a row completed on schedule.



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SELF IMPROVEMENT CULTURE

- ◆ **SELF ASSESSMENTS**
- ◆ **BENCHMARKING**
- ◆ **OPERATING EXPERIENCE**



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DEFINITIONS

◆ STRENGTHS

- ◆ Results are meeting expectations / high standards. Continuous improvement is pursued.

◆ AREAS OF PROGRESS

- ◆ Meeting minimum standards. Improvement plans being implemented / have been implemented with recognizable results.

◆ CHALLENGES

- ◆ Not meeting expectations. Improvement plans under development / being implemented. Trending / monitoring to assess results. Also includes emerging issues or other significant concerns.



OPERATIONS





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OPERATIONS STRENGTHS

- ◆ **PLANT OPERATIONAL RECORD DURING 1994 AND 1995**
- ◆ **SENSITIVITY TO SHUTDOWN RISK AND EMPHASIS ON SAFETY**
- ◆ **INCREASED COMMUNICATION OF MANAGEMENT EXPECTATIONS**
- ◆ **IMPROVEMENTS IN OPERATIONS TRAINING**
- ◆ **CONTROL ROOM COMMAND AND CONTROL**
- ◆ **OPERATIONS FOCUS ON WORK PROCESS**
- ◆ **OPERATIONS CONTROL AND INTERFACE WITH STATION WORK ACTIVITIES**
- ◆ **OPERATIONS FOCUS ON LONGER TERM PLANT PRIORITIES**
- ◆ **ROTATION OF OPERATIONS STAFFING**
- ◆ **BENCHMARKING EFFORTS**
- ◆ **IMPROVEMENTS IN OPERATIONS PROCEDURES**
- ◆ **FOLLOW THROUGH AND IMPLEMENTATION OF CORRECTIVE ACTIONS -
SELF ASSESSMENTS**



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OPERATIONS STRENGTHS

SIGNIFICANT SELF ASSESSMENTS

<u>ASSESSMENT</u>	<u>STATUS</u>	<u>ASSESSMENT</u>	<u>STATUS</u>
◆ Tagging Assessment	Complete 6/95	◆ Plant Labeling	Complete 11/95
◆ HLP-16 Exam Results	Complete 1/95	◆ Daily Status Meeting	Complete 8/95
◆ Control Room Briefing	Complete 6/95	◆ Control Room Team Performance	In Progress
◆ Configuration Control Card	Complete 3/95	◆ Top OPS Issues List	In Progress
◆ Block Tagout	Complete 6/95	◆ Fuel Handling	Complete 12/95
◆ Outage Controlling Procedures	Complete 6/95	◆ Solid Operations	Complete 8/95
◆ Mispositionings	Complete 9/95		



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OPERATIONS AREAS OF PROGRESS

- ◆ **REACTIVITY EVENTS**
- ◆ **MISSED TECH SPEC SURVEILLANCES**
- ◆ **LICENSE CLASS NRC EXAM PERFORMANCE**
- ◆ **RISK ASSESSMENT OF ON-LINE MAINTENANCE**



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OPERATIONS CHALLENGES

- ◆ **MISPOSITIONINGS**
- ◆ **TAGGING PROGRAM**
- ◆ **OPERATIONS GROUP STAFFING**
- ◆ **OPERATIONS / ENGINEERING INTERFACE**



MAINTENANCE



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MAINTENANCE STRENGTHS

- ◆ **OUTAGE PERFORMANCE**
- ◆ **MANAGEMENT OVERSIGHT**
- ◆ **MAINTENANCE EXECUTION**
- ◆ **PROCEDURE QUALITY**
- ◆ **CORRECTIVE ACTIONS**
- ◆ **BENCHMARKING**
- ◆ **SELF ASSESSMENTS**



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MAINTENANCE STRENGTHS

◆ SIGNIFICANT SELF-ASSESSMENTS

- ◆ Self Assessments Performed in 1994 = 36
- ◆ Self Assessments Performed in 1995 = 51

SIGNIFICANT SELF ASSESSMENTS

<u>ASSESSMENT</u>	<u>STATUS</u>
◆ Setup IRN0007A to meet 89-10 Testing Criteria	Complete 4/95
◆ OWG191 Check/Cal Manual Loader in Loop	Complete 7/95
◆ Repair High Conductivity Reading on 2KGCE5020	Complete 8/95
◆ Perform PM on Tech Spec Fire Doors	Complete 8/95
◆ Maintenance to isolate/tag and rod out RL Coil	Complete 10/95
◆ Perform Channel Test on 2FWLP5000	Complete 12/95
◆ Replace Overload Relay in Spare Panel (XNA SP BKR Test)	Complete 6/95
◆ Maintenance Pre-Job Briefing Assessment	Complete 10/95



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MAINTENANCE AREAS OF PROGRESS

- ◆ **HOUSEKEEPING / MATERIAL CONDITION PROGRAM**
- ◆ **CONTROL ROOM “BLACK BOARD” QUALITY IMPROVEMENT PROJECT**
- ◆ **FOREIGN MATERIAL EXCLUSION**
- ◆ **HUMAN PERFORMANCE**



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MAINTENANCE CHALLENGES

- ◆ **WORK CONTROL PROCESSES**
- ◆ **MAINTENANCE RULE**



ENGINEERING



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ENGINEERING STRENGTHS

- ◆ **MANAGEMENT FOCUS ON NUCLEAR SAFETY**
- ◆ **DESIGN BASIS DOCUMENT (DBD) PROJECT**
- ◆ **OPERATIONAL FOCUS ON PLANT PROBLEMS**
- ◆ **SAFETY SYSTEM AVAILABILITY**
- ◆ **INCREASED COMMUNICATION OF MANAGEMENT EXPECTATIONS**
- ◆ **STEAM GENERATOR MAINTENANCE SUPPORT**
- ◆ **CONTROL OF SWITCHYARD**
- ◆ **PREVENTIVE MAINTENANCE OPTIMIZATION PROGRAM (PMO)**
- ◆ **INFORMATION TECHNOLOGY INTEGRATED BUSINESS SOLUTIONS**
- ◆ **BENCHMARKING EFFORTS**
- ◆ **SELF ASSESSMENTS**



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ENGINEERING STRENGTHS

SIGNIFICANT SELF ASSESSMENTS

<u>ASSESSMENT</u>	<u>STATUS</u>	<u>ASSESSMENT</u>	<u>STATUS</u>
◆ Equipment Reliability	Complete 6/94	◆ Engineering Benchmarking	Complete 10/95
◆ Outage Assessment (1EOC9)	Complete 11/94	◆ Resource Loading Tool (Work Planning - Mod Eng)	Complete 10/95
◆ Predictive Maintenance	Complete 1/94	◆ Cost Estimating for Mods	Complete 10/95
◆ Vendor Manuals	Complete 2/94	◆ System Engineer Vision / Mission Implementation (Mechanical Nuclear Systems)	Complete 11/95
◆ Minor Modification Process	Complete 2/95	◆ Spent Fuel Pool and Fuel Handling Equipment	Complete 2/96
◆ Outage Assessment (2EOC9)	Complete 2/95	◆ Current Effectiveness in use of Desktop Tools (IT CIT)	Target 3/96
◆ Temp Mod Process	Complete 2/95	◆ Maint Rule and Failure Analysis Trending	Target 5/96
◆ NC Isol Valve Test Prog	Complete 2/95	◆ Self-Initiated SWOPI	Target 6/96
◆ Reactivity Management	Complete 3/95	◆ Modification As-Built Process	Target 7/96
◆ Mod Selection/Activation	Complete 3/95		
◆ Control Room Flow Diagrams & One Line Diagrams	Complete 5/95		
◆ System Eng Roles and Resp (All Nuclear Sites and GO)	Complete 6/95		

NOTE: An Engineering Group Assessment Plan for 1996 has been developed



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ENGINEERING AREAS OF PROGRESS

- ◆ **SUPPORT OF REACTIVITY MANAGEMENT**
- ◆ **CLOSURE OF GENERIC LETTER 89-10 (MOV'S)**
- ◆ **COMPLETION OF EDSFI ITEMS**
- ◆ **TOP EQUIPMENT PROBLEM RESOLUTION PROCESS (TEPR)**
- ◆ **ROOT CAUSE ANALYSIS**
- ◆ **WORK MANAGEMENT**
- ◆ **TEMPORARY MODIFICATION PROCESS**
- ◆ **MODIFICATION PLANNING AND TRACKING**



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ENGINEERING CHALLENGES

- ◆ **COLD WEATHER PROTECTION**
- ◆ **SUPPORT FOR MAINTENANCE RULE**
- ◆ **CONFIGURATION MANAGEMENT AND ENGINEERING CHANGE CONTROL**
- ◆ **MAJOR REPLACEMENT PROJECTS**
 - ◆ Steam Generator Replacement
 - ◆ Operator Aid Computer Replacement
 - ◆ Security Computer and Access System Replacement
- ◆ **PLANT ENGINEERING KNOWLEDGE**
- ◆ **ENGINEERING / OPERATIONS INTERFACE**



PLANT SUPPORT



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EMERGENCY PLANNING

◆ ***STRENGTHS***

- ◆ AGGRESSIVE DRILL SCHEDULE
- ◆ OFFSITE TRAINING
- ◆ FACILITY ENHANCEMENTS
- ◆ EQUIPMENT UPGRADES

◆ ***AREAS OF PROGRESS***

- ◆ EMERGENCY RESPONSE OVERVIEW TRAINING

◆ ***CHALLENGES***

- ◆ EXERCISE CONTROL
- ◆ EMERGENCY PLAN CHANGES
- ◆ EMERGENCY PLAN TRAINING



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FIRE PROTECTION

◆ *STRENGTHS*

- ◆ FIRE BRIGADE
- ◆ MATERIAL CONDITION

◆ *AREAS OF PROGRESS*

- ◆ THERMO LAG

◆ *CHALLENGES*

- ◆ PERFORMANCE BASED SURVEILLANCE PROCEDURES
- ◆ CONTINUOUS IMPROVEMENT



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RADIATION PROTECTION PROGRAM

◆ ***STRENGTHS***

- ◆ ALARA
- ◆ SOLID RADWASTE REDUCTION
- ◆ HOT SPOT REDUCTION PROGRAM
- ◆ FLUID LEAK MANAGEMENT/CONTAMINATED FLOOR SPACE REDUCTION

◆ ***AREAS OF PROGRESS***

- ◆ SUPPORT FOR THE WORK CONTROL CENTER

◆ ***CHALLENGES***

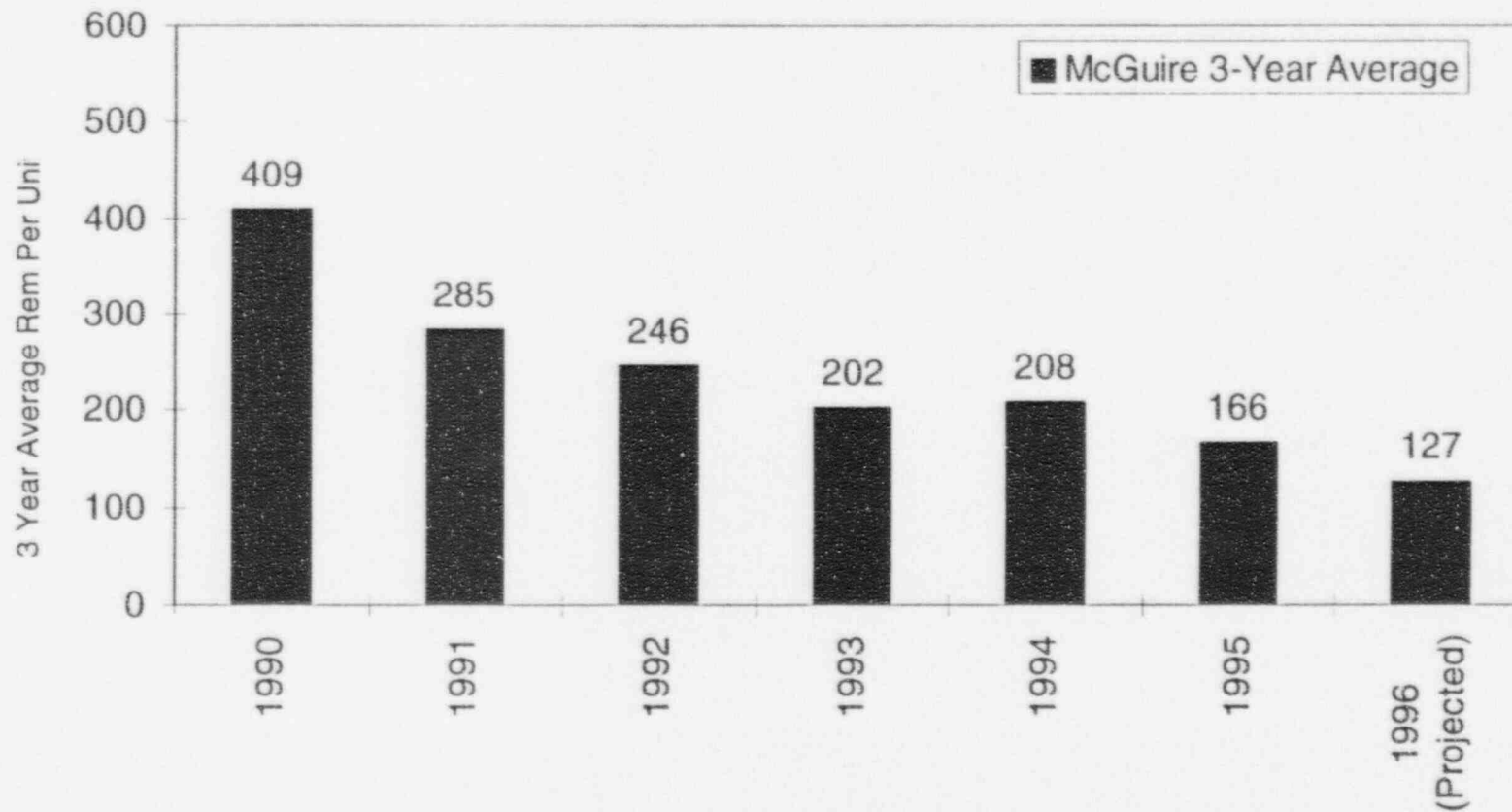
- ◆ CONTAMINATION CONTROL
- ◆ TRAINING AND QUALIFICATION SIMPLIFICATION
- ◆ SYSTEM PROCEDURE AND TASK STANDARDIZATION



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RADIATION PROTECTION

McGuire Collective Radiation Dose History





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SECURITY

◆ ***STRENGTHS***

- ◆ CONTINGENCY RESPONSE READINESS
- ◆ EQUIPMENT UPGRADES
- ◆ SYSTEM AVAILABILITY

◆ ***AREAS OF PROGRESS***

- ◆ CONTROL OF SAFEGUARDS INFORMATION (SGI)

◆ ***CHALLENGES***

- ◆ RESOLUTION OF SELF-IDENTIFIED DEFICIENCIES
- ◆ MICROWAVE INTRUSION DETECTION SYSTEM
- ◆ UNSECURED DOORS



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CHEMISTRY

◆ **STRENGTHS**

- ◆ REFUELING CRUD BURST
- ◆ RADWASTE CONTROLS
- ◆ SECONDARY CHEMISTRY

◆ **AREAS OF PROGRESS**

- ◆ PRIMARY SYSTEM DEMINERALIZER OPERATION
- ◆ OPERATIONS / CHEMISTRY LATERAL INTEGRATION
- ◆ CLOSED COOLING SYSTEM CHEMISTRY
- ◆ TRAINING

◆ **CHALLENGES**

- ◆ CONTINUOUS HUMAN PERFORMANCE IMPROVEMENT
- ◆ CHEMISTRY STAFFING



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PLANT SUPPORT

SIGNIFICANT SELF ASSESSMENTS

<u>ASSESSMENT</u>	<u>STATUS</u>	<u>ASSESSMENT</u>	<u>STATUS</u>
◆ Safeguards Incidents Common Cause Analysis	Complete 4/95	◆ Action Trending/PIP Trends Posting	On Going
◆ Safeguards Information Control	Complete 5/95	◆ TPRC Actions	On Going
◆ Rad Protection / Chem Audit	Complete 5/95	◆ Effectiveness of Control of Safeguards Corrective Actions	On Going
◆ Rad Protection / Chem Audit	Complete 5/96	◆ Radiation Worker Practices	Target 6/96
◆ Fire Protection	Complete 6/95	◆ Hatch Watch Duties	Target 8/96
◆ Turnover, incl. crew briefs	Complete 7/95	◆ Effluents Interfaces	Target 9/96
◆ RCA entrance/exit monitoring	Complete 12/95	◆ Written Communications	Target 10/96
◆ Use of vacuum in RCA	Complete 12/95	◆ VUCDT Releases	Target 10/96
◆ IA NC filter changeout	Complete 9/95	◆ Radwaste Team IV Practice	Target 12/96
◆ Outage contamination control	Complete 9/95	◆ BB Resin Sluice	Target 12/96
◆ Chemistry Program	Complete 11/95	◆ Closed Cooling Chemical Additions	Target 12/96
◆ Missed Surveillance	Complete 12/95	◆ Boron Demineralizer Control Procedure	Target 12/96
◆ Green tag consistency	Complete 12/95	◆ Primary Team Non-Routine Work Tracking Process	Target 12/96
◆ OPS rounds improvements	Complete 11/95	◆ NPDES Sampling Process	Target 12/96
◆ Control of radioactive material	Complete 12/95	◆ YM Regeneration Process	Target 12/96
◆ Posting	Complete 12/95		
◆ TPRC Actions	Complete 12/95		
◆ Respiratory Program Eval	Complete 12/95		
◆ Written Communications	Complete 12/95		

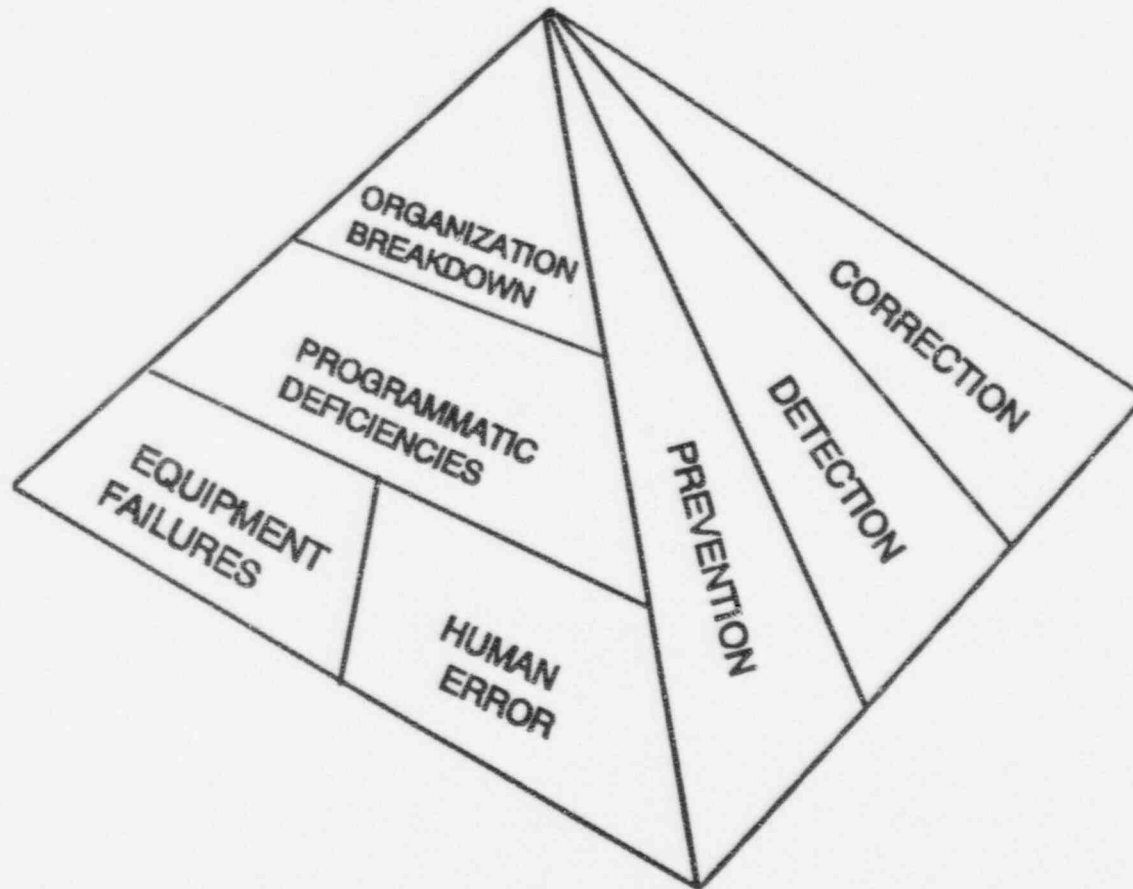
NOTE: In addition to the above, Emergency Planning programs and equipment are assessed monthly.



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SELF IMPROVEMENT CULTURE

PERFORMANCE PYRAMID





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SELF IMPROVEMENT CULTURE

◆ PREVENTION

- ◆ Worker prevention techniques such as:
 - ◆ STAR
 - ◆ QV&V
 - ◆ Questioning Attitude
 - ◆ Conservative Decision making.

- ◆ Supervisor involvement including:
 - ◆ Pre-job Briefings
 - ◆ Field Involvement



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SELF IMPROVEMENT CULTURE

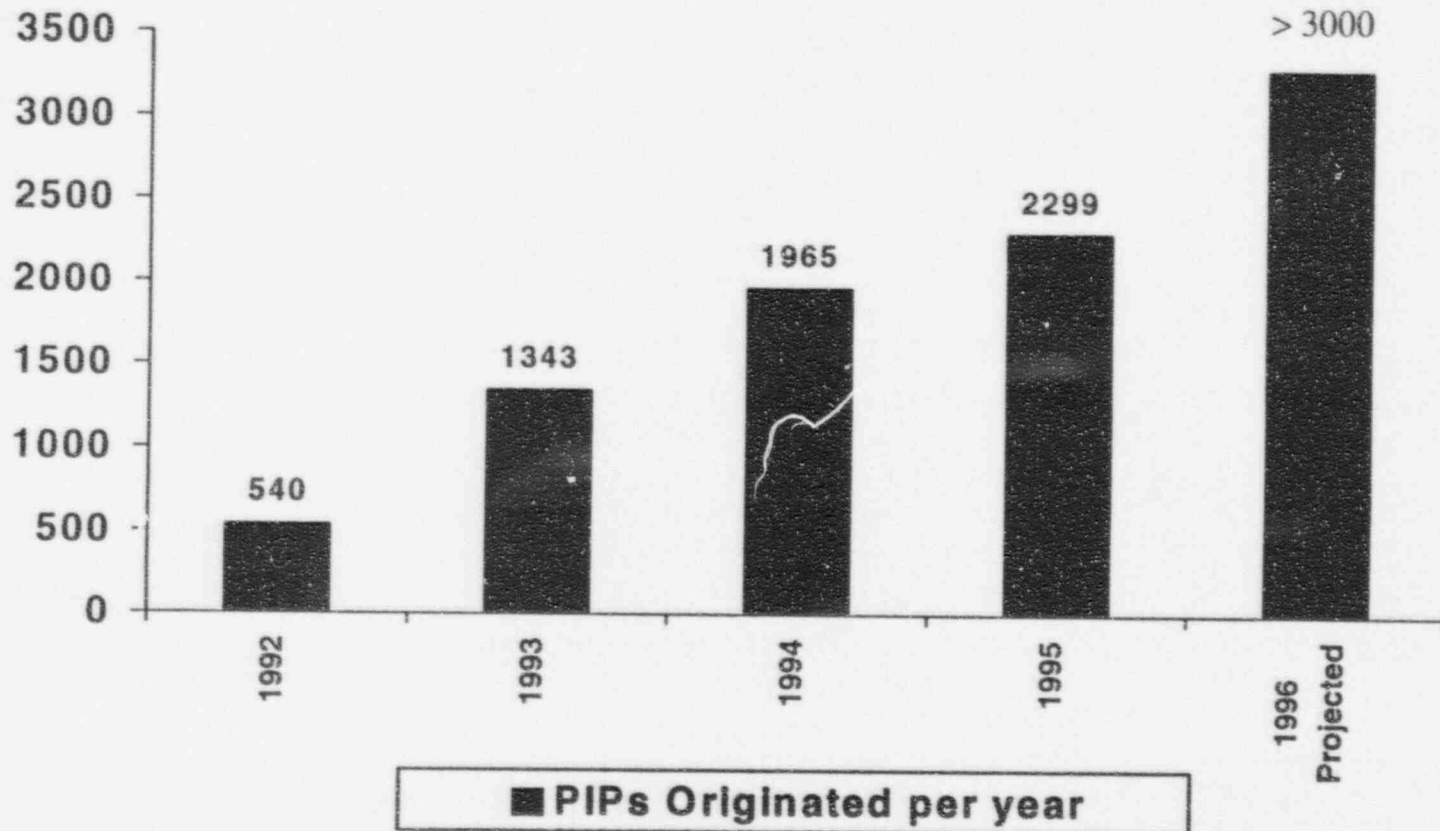
◆ DETECTION

- ◆ Database Availability / User Friendliness
- ◆ PIP Screening for Significance and Reportability
- ◆ PIP Coding for HEIA and O&P Failure Mode
- ◆ Reporting Threshold
- ◆ Problem Identification
- ◆ Operating Experience Database
- ◆ Trending Capabilities
- ◆ Assessments



March 20, 1996 - Self Assessment Meeting

SELF ASSESSMENT/ CORRECTIVE ACTION PROGRAM





March 20, 1996 - Self Assessment Meeting

SELF IMPROVEMENT CULTURE

◆ CORRECTION

- ◆ Root Cause process
- ◆ Created a Root Cause Team
- ◆ Enhanced Root Cause Training by FPI International
- ◆ Established Root Cause Goals and Measures



WRAP-UP



March 20, 1996 - Self Assessment Meeting

SITE PERFORMANCE MEASURES

1996 SITE PLAN CHANGES

- NUCLEAR SAFETY
 - PERSONNEL SAFETY
 - ENVIRONMENTAL PROTECTION
- ARE PARAMOUNT

February, 1996

VISION: "TO BE WORLD CLASS"

- Production cost in Top 10 in 1996
- Capacity factor in Top Quartile in 1996
- INPO Rating in Top Quartile in 1996
- NRC SALP Score in Top Quartile by 1997
- Zero Recordable Injuries in 1998
- Zero Reportable Environmental Incidents by 1998

Team Effectiveness

EMPLOYEE INJURIES \$ (Birmingham) 3	PERSONNEL EXPOSURE (Geddie) 4	EMPLOYEE EFFECTIVE. (Birmingham) 5	BUSINESS EXCELLENCE ASSESSMENT (Weldler) 6
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Operating Excellence - Nuclear System

GENERATION (EFFECT FULL POWER DAYS) \$ (Geddie) 7	OUTAGE TARGETS (Geddie) 8	NUCLEAR SYSTEM EVENTS \$ (Dolan) 9	PERFORMANCE INDICATOR INDEX \$ (Herran) 11	INPO RATING (McMeekin) 23	SALP SCORE (McMeekin) 24
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Operating Excellence - Cost Control

SYSTEM NON-FUEL O&M BUDGET \$ (Utterback) 25	MARKET BASED NON-FUEL O&M BUDGET (Utterback) 26	FUEL COST (Utterback) 27	NON-MAJOR CAPITAL SPENDING (Utterback) 28	201's COMPL WITHIN ESTIMATE (Utterback) 29	STEAM GEN. REPLACEMENT COST (Geddie) 30
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Stewardship

REPORTABLE ENVIRON. INCIDENTS (Dolan) 31	SOLID RADWASTE (Geddie) 32	RADIATION RELEASE INDEX (Geddie) 33	PAR / CIS SURVEY (McSwain) 34
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Site Focus - The Biggest Barriers to Achieving Our Vision

OPERATIONAL FOCUS (Geddie) 35	SYSTEM RELIABILITY (Herran) 36	WORK MANAGEMENT (Geddie) 40	TRAINING EFFECTIVE. (White) 43	SELF IMPROVEMENT CULTURE (McMeekin)
MODIFICATIONS (Herran) 47	INVENTORY MANAGEMENT (Foster) 49	FINANCIAL MANAGEMENT (Utterback) 50		

Red - Not Meeting YTD Expectations
 Yellow - Not Meeting Monthly Expectations
 Green - Meeting Monthly and YTD Expectations
 White - Currently Unreported

Quarterly Status →
 YTD →
 Current Status →

MEASURE (Diener, fgd)

\$ Represents Site Incentive Goal

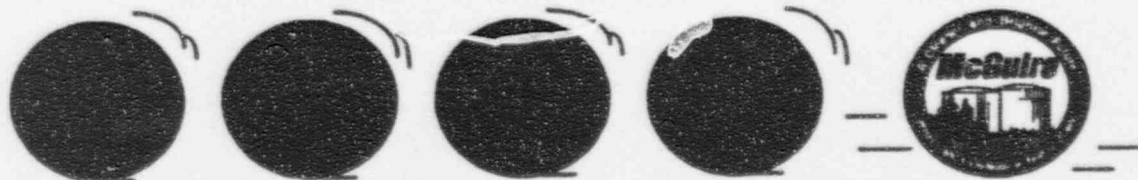


March 20, 1996 - Self Assessment Meeting

SUMMARY

◆ **THE McGUIRE TEAM INTENDS TO GET TO THE NEXT PERFORMANCE LEVEL BY:**

- ◆ DOING WHAT WE SAY!
- ◆ CONTINUING TO RAISE OUR STANDARDS
- ◆ PRODUCING CONSISTENT GOOD PERFORMANCE IN ALL AREAS
- ◆ "ANALYZING , LISTENING, FIXING" WITH BIAS FOR ACTION, NOT EXCUSES
- ◆ TALKING TO EACH OTHER



MNS - ON THE ROAD TO BECOMING WORLD CLASS
