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#### UNITED STATES

#### NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 400 ARLINGTON, TEXAS 76011-8064

JAN - 3 1996

Entergy Operations, Inc.
ATTN: C. R. Hutchinson, Vice President
Operations - Grand Gulf
P.O. Box 756
Port Gibson, Mississippi 39150

SUBJECT: MAINTENANCE DEPARTMENT OVERVIEW

This refers to the meeting conducted in the Region IV office on December 20, 1995. This meeting related to providing Region IV personnel familiarization with the maintenance department. We appreciated the time you took to introduce to our staff an overview of your programs, accomplishments, challenges, and initiatives.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter will be placed in the NRC's Public Document Room.

Should you have any questions concerning this matter, we will be pleased to discuss them with you.

Sincerely,

J. E. Dyer, Director Division of Reactor Projects

Enclosures:

1. Attendance List

2. Licensee Presentation

CC:

Entergy Operations, Inc.
ATTN: H. W. Keiser, Executive Vice President and Chief Operating Officer
P.O. Box 31995
Jackson, Mississippi 39286-1995

Wise, Carter, Child & Caraway ATTN: R. B. McGehee, Esq. P.O. Box 651 Jackson, Misissippi 39205

Winston & Strawn ATTN: Nicholas S. Reynolds, Esq. 1400 L Street, N.W. - 12th Floor Washington, D.C. 20005-3502

7601160086 760103 PDR ADOCK 05000416 PDR Mississippi Department of Natural Resources ATTN: Sam Mabry, Director Division of Solid Waste Management P.O. Box 10385 Jackson, Mississippi 39209

Claiborne County Board of Supervisors ATTN: President Port Gibson, Mississippi 39150

Bechtel Power Corporation ATTN: Mr. K. G. Hess P.O. Box 2166 Houston, Texas 77252-2166

Bechtel Power Corporation ATTN: N. G. Chapman, Manager 9801 Washington Boulevard Gaithersburg, Maryland 20878

Entergy Operations, Inc.
ATTN: D. L. Pace, Grand Gulf
Nuclear Station General Manager
P.O. Box 756
Port Gibson, Mississippi 39150

The Honorable William J. Guste, Jr. Attorney General Department of Justice State of Louisiana P.O. Box 94005 Baton Rouge, Louisiana 70804-9005

Office of the Governor State of Mississippi Jackson, Mississippi 39201

Mike Moore, Attorney General Frank Spencer, Asst. Attorney General State of Mississippi P.O. Box 22947 Jackson, Mississippi 39225

State Board of Health ATTN: Dr. F. E. Thompson, Jr. State Health Officer P.O. Box 1700 Jackson, Mississippi 39205 Entergy Operations, Inc.
ATTN: J. G. Dewease, Vice President
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P.O. Box 31995
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Entergy Operations, Inc.
ATTN: Michael J. Meisner, Director
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bcc to DMB (IE45)

bcc distrib. by RIV: L. J. Callan Branch Chief (DRP/D) MIS System RIV File Branch Chief (DRP/TSS) B. Henderson, PAO

Resident Inspector Leah Tremper (OC/LFDCB, MS: TWFN 9E10) DRS-PSB Project Engineer (DRP/D) K. Perkins, D:WCFO C. Hackney, RSLO

To receive copy of document, indicate in box: "6" Copy without enclosures "E" = Copy with enclosures "N" = No copy

RIV:DRP/D | AC:DRP/D | D:DRP |

GAPick:df | PHHAMEN | JEDyer OW |

1/2\_/96 | 1/3\_/96 |

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Resident Inspector Leah Tremper (OC/LFDCB, MS: TWFN 9E10) DRS-PSB Project Engineer (DRP/D) K. Perkins, D:WCFO C. Hackney, RSLO

MEETING: MAINTENANCE DEPARTMENT REVIEW

DATE: 12-20-95

### ATTENDANCE LIST (PLEASE PRINT CLEARLY)

NAME	ORGANIZATION	POSITION TITLE
P. HARRELL	REGION IL NEC	Beaucyl ChEF
T.P. Guyan	RT /NAC	Duran, Del
J.E. Dyer	RIV/ NRC	Director DEP
C.A. Hotelinson	Gans- EOI	UP, NUC. 015.
M. J. MEISNER	EOI-GGNS	DERCIDE, NSERA
D. L. PACE	EOI	Gen Mgr.
Dog. Bost	EOI - 66NS	Director Design Eng.
L.B. Moulder	FOI- WONS	Asst. Mant Mgs.
The Mooman	EOI -GGDS	MAIST MOR.
Claude E. Johnson	USWAC - DAG MB	maint. Coord - Grand Gut
Michael Runyan	USNRC - DRS   BB	Eng. Good Grand Coult
Kathy Weaver	U.S. NRC-1	RI
R. Schaaf	USHEC/NER	Project Manager
L.J. CALLAN	RIZ/NRC	REGIONAL ADMINISTRATOR
J.B. EDWALDS	6623	PLANNERS SUPT

# GGNS Maintenance Department Review

NRC Region IV December 20, 1995 Introduction

R. V. Moomaw Maintenance Manager

Accomplishments

J. B. Edwards

Maintenance Planning

Superintendent

Challenges

L. B. Moulder
Maintenance Assistant

**Initiatives** 

R. V. Moomaw

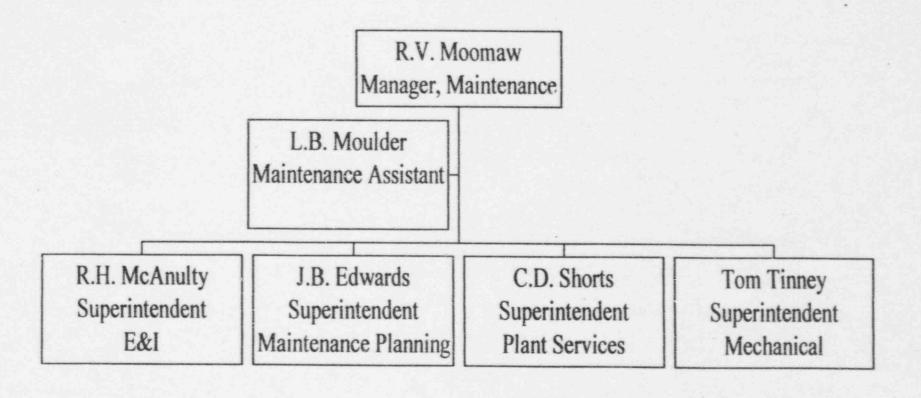
Summary

R. V. Moomaw

### INTRODUCTION

R. V. Moomaw Maintenance Manager

## GGNS Maintenance Department



### **ACCOMPLISHMENTS**

J. B. Edwards

Maintenance Planning

Superintendent

### Accomplishments

- Work Order Backlog Reduction
- Ownership Of Training
- Teamwork In Work Planning
- Assessments
- Maintenance Monitoring
- Reliability Centered Maintenance
- Maintenance Rule Program

### Work Order Backlog Reduction

- Nine Week Schedule
  - » Forces resolution of problem work orders
  - » Integrates all discipline work
- Minor Maintenance Program
  - » Drafted from INPO AP-901
  - » 17-20% emergent work completed by MMTT
- Close Coordination With Materials
  - » Dedicated materials specialist (9 week schedule)
  - » Expediting for immediate plant needs
- Teamwork Approach To Problems
  - » 0700, 1300, and 9 week schedule meetings chaired by operations assistant
  - » Participation by all key site organizations

- Nine Week Schedule
  - » Realization of long-term schedule objectives
  - » Merging of site integrated schedule (modifications)
- Minor Maintenance Program
  - » Higher percentage of work performed now
  - » Fewer operator distractions and work-arounds
- Close Coordination With Materials
  - » Higher percentage of work ready to be performed
  - » Improved contingency parts planning
- Teamwork Approach To Problems
  - » Critical jobs are better planned
  - » Demonstrated by recent airlock seal changeout

### Ownership Of Training

- Maint. Mgmt. Active Involvement In Training
  - » Maintenance manager chairman
  - » Reinforcement of management expectations
- Effective Use Of Mock-ups
  - » Defines critical evolutions
  - » Opportunity to reinforce radiological & FME practices
- Multi-Discipline training
  - » Training applied from an integrated perspective
  - » Value added from the working level
- Key Line Management Participation In SRO License/Certification Program
  - » Three key management completed SRO program
  - » One candidate in each future SRO program

- Maint. Mgmt. Active Involvement In Training
  - » Training is consistent across disciplines
  - » Consistent review of operating experiences
- Effective Use Of Mock-ups
  - » Critical jobs performed efficiently with minimum exposure
  - » Results seen in replacement of RDGV internals (RFO7)
- Multi-Discipline Training
  - » Teamwork and skill levels enhanced
  - » Improved performance of AOV's (steam dumps & drains)
- Key Line Management Participation In SRO License/Certification Program
  - » Communications with Operations enhanced
  - » Customer needs better understood & met
  - » Improved emergency response

### Teamwork In Work Planning

- 0700 And 1300 Meetings
  - » Chaired by operations assistant and attended by all key site representatives
  - » Review of critical plant problems and Ops Shift Supt. report
  - » Review of current and next day scheduled work
- System Outage Planning
  - » Quarterly forecast to integrate system work
  - » Quarterly forecast review team meetings
  - » Post system outage critiques

- 0700 And 1300 Meetings
  - » Operations and plant needs are communicated across the site
  - » Focused work force
  - » Minimizes challenges to Control Room operator
- System Outage Planning
  - » System outages are well coordinated
  - » Reduced system down time and improvements through "lessons learned"

#### Assessments

- Maintenance Assessment Process (MAP)
  - » Internal assessments
  - » Scram Frequency Reduction Committee report
  - » Benchmarking
- PEER Assessments
  - » Five external assessments this SALP period
  - » 139 recommendations identified, 99 completed
- Superintendent/Supervisor Monitoring
  - » Opportunity to reinforce expectations
  - » Job monitoring checklist to identify work practices improvements

- Maintenance Assessment Process (MAP)
  - » Better shift briefings and turnovers
  - » Improved forced outage worklists
- PEER Assessments
  - » Rework of FME & trip critical programs
  - » Development of job monitoring checklist
- Superintendent/Supervisor Monitoring
  - » Management visibility at the work site
  - » Improved work practices and processes

### Maintenance Monitoring

- Monthly Annunciator Windows
  - » Key indicator of maintenance effectiveness
  - » Identifies areas requiring focused attention
- Leaks, Oil & Water
  - » Indicator of materiel condition
  - » Added as an annunciator panel
  - » One supervisor assigned primary responsibility
  - » Craft ownership in leak identification

- Monthly Annunciator Windows
  - » Challenging goals set based on top quartile
  - » Key indicators continue to improve
- Leaks, Oil & Water
  - » Nuisance leaks continue to decrease
  - » Fewer distractions for Operations & Maintenance personnel
  - » Equipment reliability and materiel condition improves

#### Reliability Centered Maintenance

- Program Expectations
  - » Analyze selected plant systems in scope of Maintenance Rule
  - » Provide documented basis for selected systems
  - » Optimizes system reliability of systems included in scope
  - » 14 Trip Critical Systems
  - » 28 Trip Sensitive Systems
  - » 27 Risk Significant Systems
- System Evaluation/Review/Implementation
  - » System Engineers take lead on RCM System review
  - » Reviewed by Maintenance, Operations for approval
  - » 2 Core RCM Facilitators provide guidance/assistance

- Program Expectations
  - » Improved reliability of completed system
  - » Less corrective maintenance
- Systems Included In Scope
  - » All Trip Critical System evaluations complete (14)
  - » 23 Trip Sensitive Systems complete, 4 in progress
  - » 18 Risk Significant Systems complete, 4 in progress
- System Evaluation/Review/Implementation
  - » System Engineering understanding of requirements/basis
  - » Teamwork enhanced between Operations/Maintenance/ Engineering
  - » 53 of 67 systems fully implemented

- Maintenance Rule Implementation
  - Guideline Development
    - » Participated as pilot plant during development and subsequent workshops
    - » One of the initial plants inspected to NRC draft inspection guidelines
  - Program/Procedure Development
    - » Procedures issued and reviews taking place
    - » Reports generated to document/evaluate system performance
  - Tracking System For Maintenance Rule
    - » Program fully implemented
    - » Visibility to act on negative trends

- Guidelines Development
  - » Fully understand program and understand NRC's guidance
  - » Assist other plants to develop programs
- Program/Procedures Development
  - » 128 systems in scope, 27 risk significant
  - » Utilized to perform on-line maintenance analysis
- Tracking System For Maintenance Rule
  - » Increased availability of systems important to safety
  - » Focused attention on systems not meeting goals
  - » Currently 7 systems classified as (a) (1)

### CHALLENGES

L. B. Moulder

Maintenance Assistant

### Challenges

ISSUES THAT, BASED ON THE
ASSESSMENTS PERFORMED AT
GGNS, DO NOT MEET OUR
EXPECTATIONS

### Challenges

- Outage Maintenance Contractor Control
- Materiel Condition
- Protective Tagging
- Procedure Use And Control
- Adherence To Fundamental Work Practices
- Communications/Expectations

### Outage Maintenance (Contractor Control)

### Challenge

Improve contractor performance over last SALP period's performance

### Enhancements

- Heightened awareness of contractor personnel to procedure adherence
- Additional training on programs/procedures
- Holding contract personnel to same level of accountability as Entergy personnel
- Entergy supervision of contract personnel

### Outage Maintenance (Contractor Control)

- Shared Resources
  - » Valve rework
  - » Diesel generators
  - » Refuel floor
- Turbine Contract Coordinator Is Tasked With:
  - » Ensuring proper spill prevention precautions are taken
  - » Any design change required to aid in spill prevention
  - » Ensuring if a spill occurs, the proper analysis of affected areas/equipment is performed

### **Materiel Condition**

- Challenge
  - Improve plant materiel condition
- Enhancements
  - Lowered condition identifier generation threshold
  - Review leaks in detail by dedicated supervisor to resolve
  - Specific area/building assignments made to Maint. Supts. for materiel condition requirements

### Protective Tagging

- Challenge
  - Improve Efficiency Of The Program
- Protective Tagging
  - Operations Tagging Group Located In Planning
    - » Develops teamwork
    - » Allows for quick resolution of questions/concerns
  - Operations Initiates Tag-Outs
    - » Component/work activity identified to tagout group vs tagout boundary
    - » Limitations or eliminations of tagouts identified by Maintenance

## Protective Tagging

- Implement Electronic Protective Tag Program
  - » Capture previous tagouts on components
  - » Allows capture of special tagouts issues, i.e., sequences
- Electronic Sign-On For Maintenance Tag Holder
  - » Makes Maintenance more accountable for ensuring they understand tagout
  - » Develops teamwork

### Procedure Use & Control

- Challenge
  - Elimination of recurring procedural adherence problems
- Enhancements
  - Procedure Improvements
    - » Transferred to Maintenance 3/95
    - » End user empowered/encouraged to make procedural changes (i.e., simplifying procedures for ease of use and incorporating Human Factor changes)
    - » Evaluating complex jobs to ensure procedures allow one way of performance

### Procedure Use & Control

- Enhancements
  - Adhering To Procedural Steps
    - » Redefine level of use and distinguish from procedural adherence
    - » Training on level of use
    - » Communicating expectation for each craft/ supervisor, and contract personnel that they will be held accountable for their actions

## Adherence to Fundamental Work Practices

- Challenge
  - Improve Adherence To Fundamental Work Practices
- Enhancements
  - Attention To Detail
    - » Maintenance manager review and reinforcement of expectations with all Maintenance and Training staffs (accountability)
    - » Increased monitoring by supervisors of in-plant maintenance performance
    - » Use of specialists to monitor supervisors

## Adherence to Fundamental Work Practices

#### -Attention To Detail

- »Develop and implement JPM (Job Performance Measures)
  - Forces use of the "STAR" concept (self checking)
  - "Test the decision-making capabilities of the craft & supervisors "When should I stop the job and get help?"
- »Mock-ups will be used routinely to simulate actual plant conditions stressing adherence to plant work processes processes such as:
  - Protective tagging
  - Level of use
  - FME (Foreign Material Exclusion)
  - Independent verification

- Spill prevention
- Attention To Detail(Practical Application- my responsibility)
- Housekeeping

#### Communications/Expectations

## Challenge: Re-Focus on Expectations

- Enhancements
  - Maintenance Manager has reviewed and reinforced expectations with all maintenance staff in all-hands meetings and with maintenance superintendents/supervisors
  - Maintenance Manager's One-On-One meetings with staff

#### Communications/Expectations

- Administrative distracters will be delegated to maintenance staff
- Focus on key areas
- Remove Maintenance Manager from refueling outage director duties

# INITIATIVES

R. V. Moomaw

#### Initiatives

- Materiel Condition
- FME (SOER 95-1)
- Work Package Enhancement
- Maintenance Standard of Repetitive Excellence
- Maintenance Rule

#### **Materiel Condition**

- Materiel Condition
  - Materiel Condition/Housekeeping Self-Assessment 1st Quarter 1996
    - » Team leader will be Entergy individual
    - » Team members will be an INPO representative and two peers from plants which have top programs
    - » Assessment will concentrate on programs/implementation/timeliness of actions/ expectations and subsequent follow-up of repetitive issues

#### Materiel Condition

- Teamwork Approach To Plant Materiel Condition Issues
  - » Document all discrepancies no matter how insignificant
  - » Reinforce expectations with Maintenance staff
  - » Hold personnel accountable for job performance
  - » Routine walkdowns with supervisors/ superintendents

#### **Materiel Condition**

- Benchmarking "Best In Class" Plants
  - » Visit 8 top performing plants to obtain programs and culture
  - » Compare programs to Grand Gulf's
- 5 Year Painting Schedule
  - » Concentration drywell and containment in RFO8
  - » Schedule 1 ECCS room to be painted each of the 5 years

#### Foreign Material Exclusion

- Develop Comprehensive Program
  - » INPO document SOER 95-01 used as guide for new procedure
  - » Team approval consisting of PM&C/Maintenance/Training
  - » Stand alone procedure developed to heighten awareness and significance
- Issue In January, 1996
  - » Draft in review for comments December 12, 1995
- Complete Initial Training 1st Quarter of 1996
  - » Initial training on SOER 95-01 complete
  - » Train to new program with job performance measures established

#### Work Package Enhancements

- Strengthen Mechanical Work Packages -
  - » 100% walkdown of all CI/WOs with checklist developed by planners
  - » Slow down and not issue package until all issues resolved
  - » Second planner peer review (short term)
  - » Performance tied to appraisal program
  - » Planner audits packages in field once per week customer focus

#### Work Package Enhancements

- Strengthen Work Package Process
  - » Re-evaluate and revise trip critical program
  - » Establish natural work team to streamline work package
  - » Evaluate permits included in packages for need
- Established Positions In Planning To Rotate
   Craft Supervisors
  - » Rotation period established at approximately 9 month intervals to familiarize supervisors with process and planners to get supervisor view on package needs - details
  - » Develop teamwork ownership

#### Work Package Enhancements

- Increase Planner Responsibility Control Of Package Development
  - » Assign trip critical/trip sensitive decision to planner to consider with impact statement development
  - » Provide planner with overview of PRA/risk training

## Maintenance Standard Of Repetitive Excellence

 Method To Provide A Focused Approach To Analyze And Resolve Deficiencies Before Becoming A Significant Issue

- Corrective action tracking broken down into 4 categories

People Rotation, reassignment, employee surveys

Programs - New and or revised work methodologies

- Foreign material exclusion

- Minor maintenance program

Paper - Develop, issue, revise procedures

Procedures to support new or revised programs

Process Checks Assessments, audits

#### MAINTENANCE STANDARD OF REPETITIVE EXCELLENCE

M A

MAINTENANCE ASSESSMENT **PROCESS** 

•PERSONNEL INTERVIEWS

SUGGESTION BOXES

NRC INSP. REPORTS

\*SELFASSESSMENT

INDUSTRIAL SAFETY

·CUSTOMER SURVEY

 EMPLOYEE SURVEY ·O.P. TREND REPORT

·MAINT. INTERNAL SURVEY

·SYSTEM/PLANT

WALKDOWNS

·SDRS (SECURITY)

·QDRS

·REWORK

·QP AUDITS

MAINTENANCE ENHANCEMENT **PROCESS** 

M

E

•TRIP CRITICAL/TRIP SENSITIVE

ON CRITICAL JOBS

PROCEDURE USE & CONTROL

INDEPENDENT VERIFICATION

WORK ORDER PROCESS

P

M

MAINTENANCE INITIATIVES **PROCESS** 

SIMPLIFICATION/REDUCTION

·SUPERVISOR ASSESSMENT (OF

(MORE CRITICAL REVIEW)

**CREW PERFORMANCE)** 

·SHARED RESOURCES

DCP/MCP REVIEW

SPILL PREVENTION

•MAINTENANCE RULE

·SFRC

·PROCEDURE

MAINTENANCE CORRECTIVE ACTION TRACKING/TRENDING

- **•MINOR MAINTENANCE**
- ·SUPERVISION INVOLVEMENT
- CONTRACTOR OVERSIGHT
- ·RCM
- ·FME
- IMPROVE MAINTENANCE

#### ·REPORTS

- OPEN ITEMS

M

C

T

- TRENDING

- ·STAR

- TESTING(MORE STRINGENT)
- •TRAINING (TRG)

#### MAINTENANCE STANDARD OF REPETITIVE EXCELLENCE

# DO THE RIGHT THING RIGHT THE FIRST TIME

#### Maintenance Rule

- Program Awareness
  - » Highlight when system/train is being worked which effects functionality
  - » Outages planned with contingencies to minimize OOS time
  - » MPFFs are evaluated to prevent repeat
- Program Adherence
  - » Required reports are reviewed and understood by all
  - » Responsibilities understood and adhered to

- Maintenance Rule
  - Work On Maintenance Rule Systems
    - » Well planned and documented
    - » Out of service time minimized
    - » Work performed well documented for evaluation

# SUMMARY

R. V. Moomaw

#### Summary

- Increased Expectations
  - Improved Materiel Condition
  - Elimination Of Recurring Low Level Problems
  - Personnel Formality, Communication, And Appearance
  - Adherence To Fundamental Work Practices

- Continued Emphasis On Improvement
  - Self Assessment Process
  - Find And Fix Problems
  - Outage Maintenance (Contractor Contract/Shared Resources)
- Safe Operations And Conservative Decision Making



#### MAINTENANCE MONITORING

Monthly Report

November, 1995

RON V. MOOMAW, MAINTENANCE MANAGER

Larry Moulder, Technical Coordinator

Brad Edwards, Planning & Scheduling Superintendent

Bob McAnulty, I&E Superintendent

Charles Shorts, Plant Services Superintendent

Tom Tinney, Mechanical Superintendent

Phil Cameron, Electrical Coordinator

Eddie Langley, I&C Coordinator

Mike Stevens, Mechanical Coordinator

# GGNS Performance Monitoring

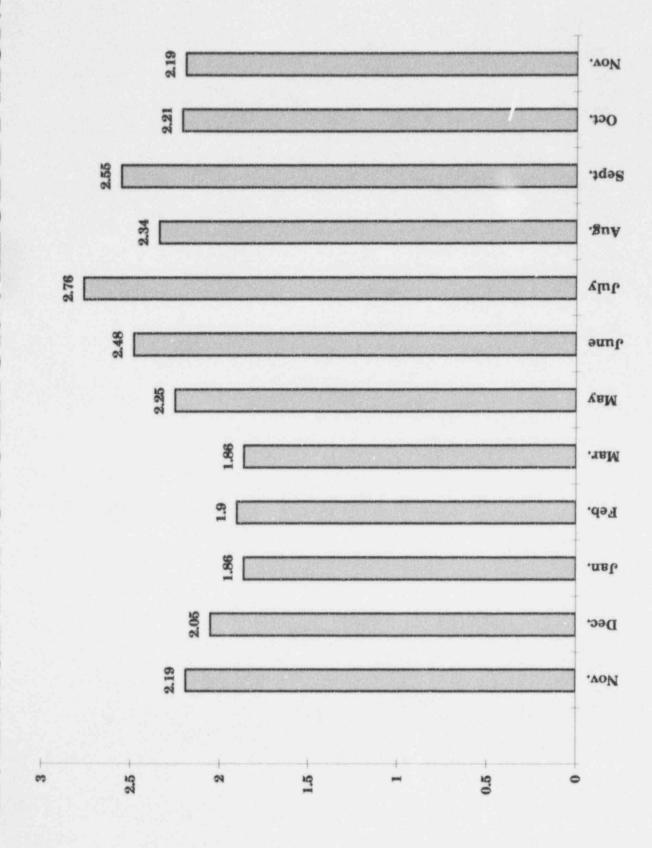
## Maintenance

Security Deviations	Total WO's >90 Days	Priority 4 Work Orders	Procedures (with 3 TCNS > 30 days)	Contamination Area Awaiting Maintenance		Significant Strength
Industrial Safety	Maintenance WO Backlog Total	Minor Maintenance Trouble Tickets > 3 weeks	Work Documents Eng. Delay	% Dose Exposure . Goal		Satisfactory
NRC Violations	Non-outage MNCRs at Maint for work > 120 days	Open Trip Critical/Trip Sensitive Work Order (Pri. 1, 2, & 3)	Weekly Schedule Effectiveness	% Budget	Oil Leaks	Imprevement Needed
. SREAL	gDRs	Late PMs Total	Median Age of Work Order	, Procedures (with TCNs > 24 mo.)	Water Leaks	Significant Weakness

#### MAINTENANCE Annunciator Color Changes Previous Month Current Month

NRC Violations	October	November	1
Security Deviations			1
Minor Maintenance Trouble Tickets > 3 Weeks			1
Open Trip Critical / Trip Sensitive			1
Water Leaks			1
Oil Leaks			1
Procedures (with TCN's > 24 months)			1

# AVERAGE ANNUNCIATOR VALUE BY MONTH



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139 118

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GGNS Performance Monitoring

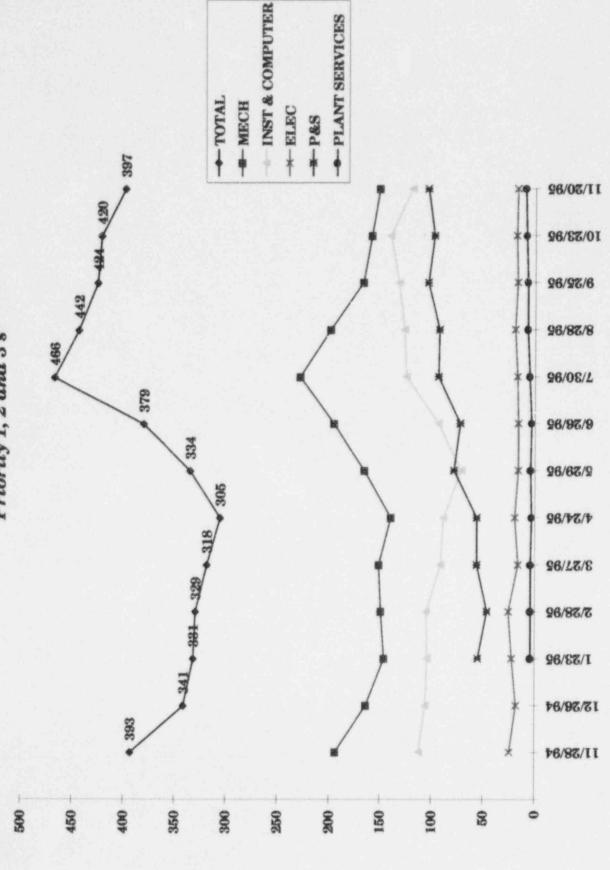
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		White		< = 26		× = 36		< = 4 /mo		< = 4 /mc		× 16		<=260		< = 60 days		% 88 × ×		× 96 × >			> 80% /mo	> 76% /mo
		Green		× 20		92>		< +2 /mo		< = 3 /me		01 >		< 160		< 40 days		× 18 = >		% 08 × >			> 95 % /mo	> 90% /mo
	Meinterance			Water Leaks (Current Month)		Oil Leaks (Current Month)		Procedures (with 3 TCNS > 30 days) (List)		Procedures (with TCNS > 24 months) (List)		Non-Outage MNCRs @ Maint. for work > 120 days (Current Month) R.ist)		Priority 4 Work Orders (Current Month)		Median Age of Work Order		% Budget		% Dose Exposure Goal (Graph YTD)		QDRs (List)	QDR Disposition < = 30 days (YTD Percentage)	GDR Resolution < = 120

Armandatore	Values		m	2.18	ю								
Annun	Annunciator Color		VELLOW		VELLOW								
	ę.												
		0								8			
	1995 4th Otr	z	87							Window	,		
	-	0	92							No Red Windows, No Yellow Windows and > = 50% Green Windows	Annunciator Average <2.5 and < = 1 Red Window		
		80	93							>= 50	= 1 Red	= 2.5	WB
	1986 3rd Otr	«	97							ws and	> pue s	Annunciator Average > = 2.5	> = 25% Red Windows
		-	1/2							Windo	e < 23	stor Av	5% Re
	100 9	•	87							Yellow	Averag	nunci	>=2
	1395 2nd Otr	2	83							s. No	ciator	A	
Goals/Criteria		4	8 81							wopui	Annun		
Goals	1896 1st Ots	2	96							Red W	d		
		-7	98							No F			
	3		< = 86 % /mo			Values	,	RED	,				
	Yellow		>85% /mo			Values	E	YELLOW	,				
	White		>97% /mo			Values	174	WHITE	9	Criteria	Criteria	Criteria	riteria
	Creen		100% /mo			Values		GREEN	10	Green Criteria	White Criteria	Yellow Criteria	Red Criteria
Meintenance			QDR Closeout < = 366 days (YTD Percentage)	Average Annur ciator Value	Finel Color	Criteria		TOTAL	27				

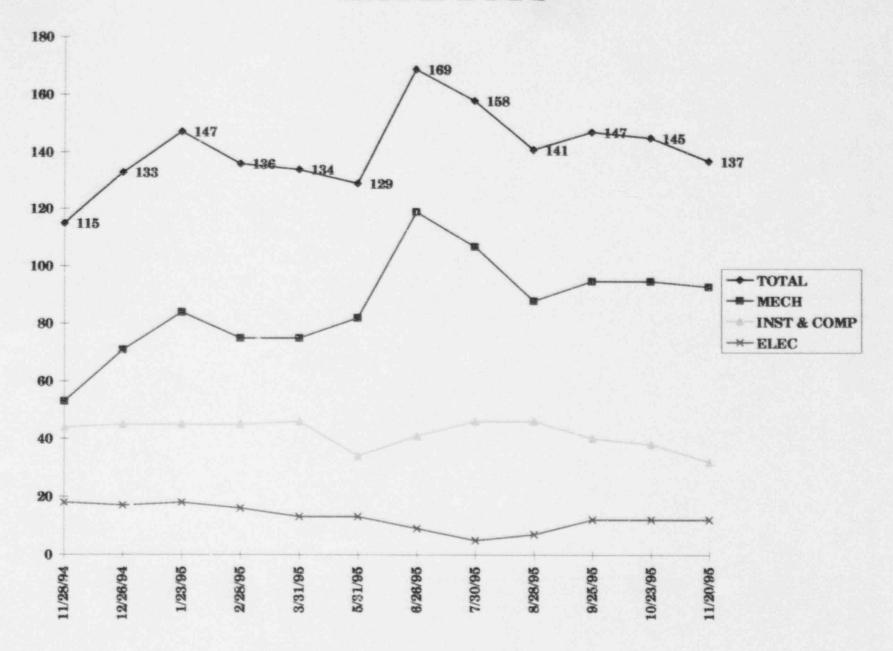
GGNS Performance Monitoring

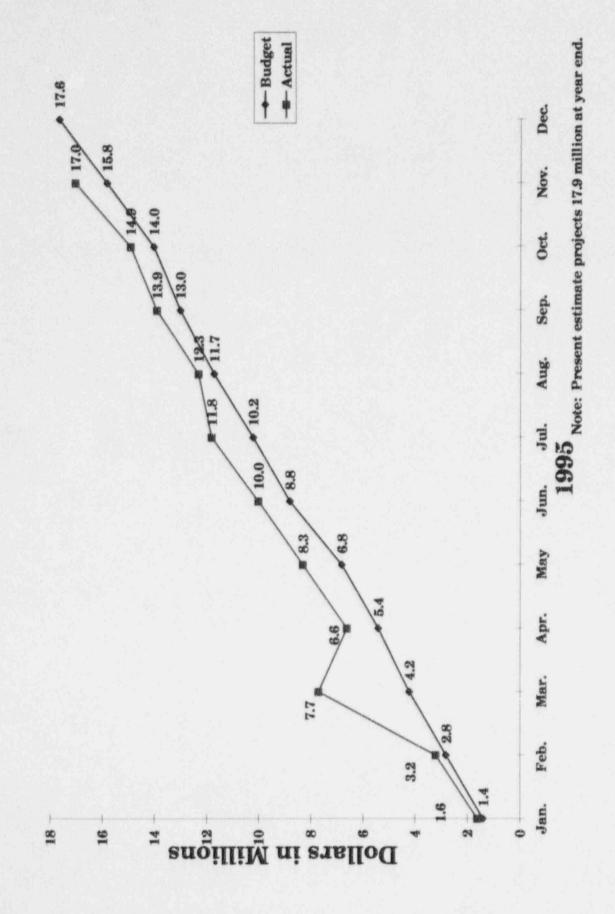
# WO BACKLOG

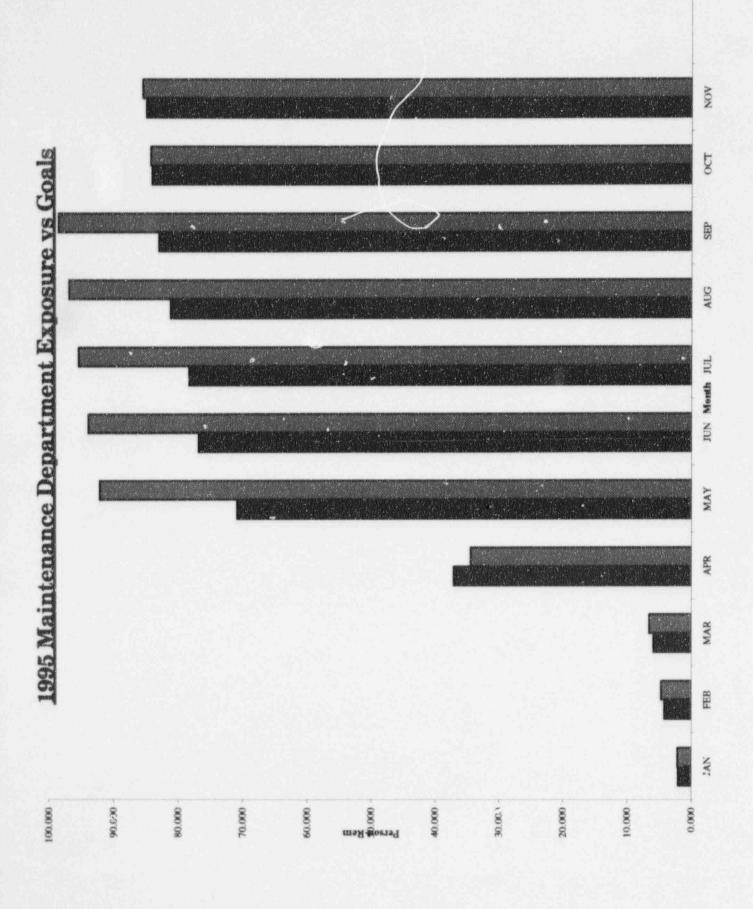




#### LATE PM's







#### LER'S (YTD)

LER	Description	Date	Cause	Report Category
95-004	Reactor scram due to inadvertent actuation of backup scram valves.	04/14/95	Const/ Installation	ESF Actuation

#### NRC Violations (YTD)

Violation	Description	Date	Cause	Level
*95-18-01	Violation of Licensing Condition	Pending	Personnel Error	NCV
95-11-02	Inadequate Maintenance instructions for recirculation pump shaft coupling reassembly	07/25/95	Inadequate Procedure	NCV
95-04-01	Inadequate corrective actions  ° Pinched wire ° Suppression pool siphoning	04/24/95	Equipment failure	IV
94-21-03	Inadequate work instructions for spare breakers.	02/24/95	Inadequate Procedure	IV

#### INDUSTRIAL SAFETY

(YTD)

Case Number	Injury Date	Employee's Name	Nature of Injury	Occupation	Comments
*+95-09-001	9/6/95	Middleton, Jay	Strained knee	Mechanic	Became + 10/27
*+95-07-002	7/5/95	Greenlee, Mickey	Strained right knee		
*95-05-014	5/25/95	Westbrook, Jimmy	Foreign body to left eye	Mechanic	
*95-04-013	4/3/95	Greenlee, Mickey	Strain to groin, right hernia	Mechanic	Became + 7/5
*95-04-009	4/25/95	Capps, Richard	Sprained ankle	Mechanic	
*95-04-002	4/10/95	Pate, Troy	Foreign body to eye	Electrician	
*95-02-002	2/2/95	Roberson, William	Sprained foot / ankle	Mechanic	

#### ALL ACTIVE TTS

SYLVIA MALL X2346

-	TATUS	100000	COMPONENT	B- MORK SEBERIPTION	COMMENTS	COUNT.
	INIT			FIRE COMPUTER POINT ALARMING CONTINUOUSLY, LO	A. T. S. 10/04/95 D. STARNES R. T. O. 10/05/95 D. STARNES	1
151671	PLIED	٠	1F15E006	THE FUEL MANDLERS HAD INTERMITTANT LOSS OF CO		2
153130	PLMD	4	1R148001C	COOLING FAM LOCATED ON FOURTH COOLING BANK FR		3
153558	PLMD	3	\$P64F016	COMPUTER ALARM POINT WILL NOT CLEAR	ATS 10/24/95 L8 RTO 10/25/95 PW	
154170	PLNO	3	XXXXCHEM STOR	PERFORMING SURV. 04-8-03-P64-1 THE ALARM IN S		5
154397	PLKD	3	1W51R001	STROBE IS NOT IN SYNC WITH EXCITER. FUSE INS	ATS: 11/08/95 TPM	6
154461	PLND	3	18340013	UPPER BEARING IS SEEPING OIL.	ATS: 11/09/95 TPN	,
155295	PLIE	3	17101A319	DOOR WILL NOT OPEN ELECTRICALLY OR MANUALLY		8
15529	PLMD	3	SP64R145B	LAMP COMER HAS BEEN BROKEN, LOOKS LIKE THE DO	ATS PW 11-29-95 RTO PW 11-30-95	9
15534	7 PLMD	3	XXXELECTRICA	EXIT LIGHTS NEED TO BE CHECKED AND RELAMPED O		10
15534	8 PLMD	3	XXXXELECTRICA	EXIT LIGHTS NEED TO BE CHECKED AND RELAMPED O		11

# ALL ACTIVE YTS EYLVIA HALL X2346

ELEC 4--LEAD BISCIPLINE COUNT . COMMENTS WORK DESCRIPTION COLO-CRESSIES. STATUS PRI 12 155349 PLND 3 XXXELECTRICA EXIT LIGHTS HEED TO BE CHECKED AND RELAMPED O 13 17928410A LIGHT BURNS DIM, ALSO FAST CHARGE LIGHT OUT. 155429 PLMD 3 14 155483 PLND 3 SP64FOB18 COMPUTER POINT 1175 DID NOT ALARM FOR MAIN 8 15 155503 PLMD 4 XXXELECTRICA IDENTIFY PURPOSE OF BLACK CABLE COMING OUT CE 16 147972 RVAD 4 \$P66F237 WHILE PERFORMING EPI G6-8-03-P64-5, VALVE'S N A.T.S. 07/03/95 D. STARNES R.T.G. 07/05/95 D. STARNES

SYLVIA HALL X2346

INST	4LEA		COMPONENT	No MORK DESCRIPTION	COMMENTS	COUNT.
132870	PLHD	٠	\$M22P089	ANNUNCIATOR PANELS 1A AND 18 HAVE BROKEN WIND	THIS IS IN PLANNINGS! NOUSE - ??? SD PER KEN MCLEMORE DARYL IN MATERIALS HAS A AND IS CHECKING WITH BETA INC FOR PARTS.	1 LL THE IM RE 9/26/9
134866	PLND	4	1P21W055	WO 130486 ON P11FX037 HAD INSTRUCTIONS TO REW		2
151128	PLMD	366	SH229767	CABINET IS NOT WEATHER TIGHT AND IS LEAKING.	MOTIFIED EMGINEER THAT POSSIBLE CHANGE O CABINET WAS REQUESTED BY ORIGINATOR. ENG WILL CONTACT PLNS WITH RESOLUTION/EVALUAT PRINTED "TT" WITH DRWGS IS IN PLNG SYSTEM	TIMEER LOO
152573	PLMD	3	H23M050A	COMPUTER POINTS FOR 1A&C DRAIN FLOWS READING		•
152583	S PLMD	٠	SG17F004A	TUBING LEAKS AIR AT VARIOUS FITTINGS ON INST	MP SAYS DOSE RATE TOO HIGH AT THIS TIME. TILL JAN. 1996. JNJ 10/12/95	5
15261	9 PLND	3	sz100C506	WHEN DOOR IS SUPPOSED TO BE SECURED, IT CAN B	TRANSFERED TO I&C RODGER RILES REPLACED K FROM WAREHOUSE. SENT TO CLOSEOUT 11/17	6 //95 CAK
15335	9 PLMD	4	1K32R640	RECORDER POINT #5 SEEMS TOO LOW AS COMPAIRED		7
15336	2 PLMD		1w11F030F	VALVE POSITION LIGHT OUT ON FRONT STANDARD.,		8
15354	6 PLND	3	163388018	GREEN 'OK' LIGHT IS OUT EXCEPT DURING TEST MO		٥
1541	13 PLMD	3	181121958	THE PLOW SIDE WENT PLUG ON THE TRANSMITTER I	TO OPE FOR RTO DEG 113095	10
1544	47 PLND	3	183301718	PRESS FILTER ALARM WOULD NOT CLEAR WHEN NPU &	RECNECKED CAL ON 83381718. CHECKED O.I REMOTE OUTPUTS. ENSURED NO LEAKS AT S' ALARM CLEARED AFTER NPU WAS STARTED. D A NEW PRESSURE SWITCH WAS PROCURED IT	TAG 7664

TROUBLE TICKET IS COMPLETE. REPLACED GALIGE AND C INSTRUCTIONS. GIVEN TO CLOSE-OUT GROUP FOR RTO.

#### ALL ACTIVE TTS SYLVIA HALL X2346

INST WOW	STATUS		COMPONE THE	MORK DESCRIPTION	COMMENTS	COUNT.
154448	PLND	3	se17k331	ADJUST LEVEL INDICATOR/SWITCH. INDICATES 100		12
154511	PLMD	3	16418017	COMPUCTIVITY MONITOR DOES NOT CORRELATE. MONI		13
154678	PLMD	3	1C11R018	PRINTOUT IS ILLEGIBLE; IRRATIC MARKS ON THE P	OUT AS AN "TT" TO ISC.	16
154853	PLMD		1HZ20009	PROVIDE ISC SUPPORT DURING URC OPERATION TO O		15
154930	PLND		18324001	WINDOW IN DOOR OF PANEL IS CLOUDED UNABLE TO		16
15500	PLMD	3	SC84R001A	THERMAL PEN FOR W/D IS NOT WRITING, SUSPECT P		17
15530	1 PLMD		XXXWAREHOUSE	PRINTER ON MONITORING PANEL FOR THE SPILL COL	DO NOT SIGN UNTIL TT TYPE WO IS APPROVED JRB 11-28-95	18
15535	6 PLND		1w13P653	FRONT DOOR IS DEFORMED SUCH THAT IT IS DIFFIC		19
15535	5 PLND		18139718	LOCK CYLINDER FOR SOOR AT BAY E IS MISSING		20
15544	LE PLHD	3	SC84WG33	LOW AIR FLOW LIGHT IS ON IN THE MET SHACK.		21
1554	SZ PLND	3	163380018	INDICATOR NEEDLE 18 BENT!	TROUBLE TICKET IS COMPLETE. REPLACED	ZZ GALIGE AND

#### ALL ACTIVE TTS SYLVIA MALL X2346

INST WOR	STATUS		CIPLINE COMPONENT	WORK DESCRIPTION	CONNENTS	COUNT.
155475	PLND	4	\$25 1M017A	COPPER GROUND WIRE RUNKING ALONG ROSEMOUNT TR		23
155476	PLHD		82518002A	PANEL COVER AJAR ABOVE "A" AC CONDENSER. MOUN		24
155492	PLND		1C34H00SA	TRANSMITTER LOW SIDE NOKE ISOLATION VALVE NAM		25
149169	RVAD		SG18K017A	COVER PLATE ON LEVEL SWITCH IS MISSING.		26
152821	RVMD		SG17F0638	AIR SUPPLY ISOLATION VALVES MISSING HANDWHEEL		27
153561	RVAD	3	187188018	GREEN 'OK' LIGHT IS OUT EXCEPT DURING TEST N	•	28

ALL ACTIVE TTS SYLVIA HALL X2346

MECH	4LEA	0 018	CIPLINE			move man
MON	STATUS	PCI	COMPONENTS	WORK DESCRIPTION	COMMENTS	COUNT.
132415	1817	3	86170024	THE POOT ON THE END OF THE HOUNTING BASE PLAT		1
143801	1817	5	1633F102	STEN PROTECTOR IS MISSING	RFO7 ITEM	2
132720	PLMD	٠	sp45c0328	SPLASH GLIARD ARCLIND PACKING GLAND IS MISSING		3
135312	PLMO	3	SP21A002	SUCTION LINE JUST DOWN STREAM OF SUCTION Y-ST	MP524708 EDD 10-16-95	
					WHAT IS ACTUAL NEED DATE FOR PARTS ? ESD	
135695	PLHD	3	1P43C001E	BRASS DRAIN PLUG ON PUMP OUTBOARD BEARING DAM	**SCMD/FILE**-NEED 'C' PUMP DOWN	5
135864	PLMD	٠	sv4100018	UNIT HAS MISSING FOUNDATION NUT AND A NUT THA	**SCHD/FILE**SCHO NEXT UNIT DOWN TIME FR	
135850	PLMD	4	sÞ47z003	THE FLOOR ACCESS COVER LATCH HAS A SCREW MISS		7
145209	PLND		\$P64D029R	NOSE NOUSE KNOCKED OF CONCRETE BLOCKS BY REC		8
145204	PLMD		\$94400296	MOME NOUNE EXCENSED OFF CONCRETE BLOCKS BY REC		,
14534	2 PLND	3	P66 LEAKAGE	MAYER LEAKING FROM DOMESTIC MATER FAUCET IN O	RTO 11-2-95 FAUCET AND CLEANED CALCIUM SEATING SURFACES. REASSEMBLED FAUCET AND	10 IT WORKS
146771	8 PLIED		1K35FX068	VALVE IS MISSING NAMDAMEEL	SEE MOTE BELOW NOTE: INCORRECT PARTS LISTED AND NOTED IN IN TOO PLANNING - NEED TO BE TAKEN OFF	

#### \*\*\*\*\*\* E&! PLANNING DEPT \*\*\*\*\* 06:50 Friday, December 1, 1995 7 ALL ACTIVE TTS SYLVIA HALL XZ346

MECH	4LEAS	DISC	IPLINE	SILVIN MEL ALONS		
NON	STATUS	PRI	COSCORDAN	WORK DESCRIPTION	CCHMENTS	COUNT.
146780	PLND	4	1835FX219 V	VALVE IS MISSING MANDUNEEL		12
148950	PLND	3	18642002	PAMEL EXHAUST FAM V-BELT BROKEN OFF; REPLACE		13
148955	PLMD	3	101017404	DOOR LATCH IS JAMMED/STICKING; DOOR IS HARD T		14
149635	PLND	3	\M43FC96	VALVE WAS PACKING LEAK, AS DETECTED WITH MYDR	**SCND/FILE**NEED MNO-REPLAN-JE 11/8	15
149637	PLND	3	1M22F810D	PIPE CAP ON VALVE IS LEAKING APPROX. 10 DROPS	**SCHO/FILE**REPLAN TO REPLACE VLV-8FO	16
150533	PLHD	6	1C11C001A	PURP'S OIL RESERVOIR LEAKS OIL ONTO FLOOR. L	**SCHD/FILE**SCHD 1/15/95 OB MAGEE 082495, 'A' CRD OUTAGE 1/15/96	17
150544	PLMD	3	SP645009	FIRE HYDRANT IS LEAAKING.	OB MAGEE 082495	18
150991	P PLND		XXXXXADUASTE	FLOOR DRAIN CLOGGED. NEED TO CHECK ALL FLOOR	TO KC 83195	19
15102	P PLMD	3	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	HAND WASH BASIN IN MP DECON AREA WILL NOT SMU	WO IN PLANNING FOR PARTS NEED NEW VALVE.	20 . EN090195
15126	9 PLMD	3	19640208	THE GLASS BREAKING BAR FOR THE PILOT CONTROL	MP532006 DUE IN 11/28/95	21
15164	6 PLIED	3	18642002	VACUUM PLANP INTERNAL TO PAMEL HAS THROWN ITS	TO 2 BOUGLAS 9/18/95 1530	22

.... ELI PLANNING DEPT .....

MECH

ALL ACTIVE TTS SYLVIA HALL XZ346

<-- LEAD DISCIPLISE COURT. COMMENTS COMPONENTS WORK BESCRIPTION STATUS PRI 151975 PLND 3 XXXXVECNAMICA MILTI-BOLT BEAD BLASTER TO FLOOR AND HOOK UP RETURNED TO RIGHT WILL NAVE TO BE RELOCA 23 FIRE MOSE IN THE WAY 24 MUT IS MISSING WHICH MOLDS THE HANDLINEEL ON. 152095 PLMD 4 SP64FA11V TO JE/ADD CONVERT TO MUO--REPACK11/1/95 25 VALVE LEAKS WHEN IN MID POSITION SP64F016 153691 PLND 3 WAREHOUSE TO WAREHOUSE TOILET DOES NOT WORK PROPERLY. DOES TO KC-10/25-RSP ATS 11/20/95 26 153693 PLMD 4 27 MOSE NOUSE IS DAMAGED. BACK IS CAVED IN , HOU TO ED MENNINGTON 110895 154304 PLMD 3 \$26400290 TO BFO/REPLAN-REPACK-RSP 28 VALVE HAS A 30 DPM LEAK 154876 PLMD 3 SG17FX286 PACKING GLAMD ON BOTTOM. TT TO PLANNING TO CONVERT ATS'D ON 11-20-95 CHB. 29 PACKING LEAK 155049 PLMD 3 SP64F163 30 SEAL COOLING WATER LEAKING NEAR SEAL ASSEMBLY ATS 112895 RTO 112995 RBR 1823C0018 155222 PLND 3 TO SHOP 11/27-0930-RSP WORK COMPLETE. J. 31 155271 PLMD 3 1641C001A 32 OIL LEAKING FORM VARIOUS FITTINGS ASSUMD THE TO SHOP 11/27-0930-RSP 19718001A 155273 PLMD 3 33 197180018 OIL LEAKING FROM FITTINGS AROUND ALIX OIL PUMP TO SHOP 11/27-0930-REP

# ALL ACTIVE TTS

SYLVIA HALL X2366 WECH <-- LEAD DISCIPLINE COUNT. COMMENTS WORK DESCRIPTION COMPONIENT STATUS PRI WOW 684 LEAKING FROM VARIOUS FITTINGS ARCUND AUX TO SHOP 11/27-0930-RSP 155276 PLND 3 197180010 35 OIL LEAKING FROM FLANGE ENTERING THE OIL HES. 155278 PLND 3 1x3480030 REMOVE CABLE REEL BRACKETS FROM EMDS OF 1813P TO SHOP 11/27-0930-RSP WORK COMPLETE.J.W 36 18139680 155279 PLMD & SMALL AMOUNT OF WATER DRIPPING FROM VALVE PAC TO SHOP 11/27-0930-RSP.WORK COMLPETE.J.W 37 SP64F1408 1834D001 POLISHING FILTER LEAKING FROM AROUND TOP OF F TO SHOP 11/27-0930-RSP.WORK COMPLETE.J.W 38 155281 PLKD 3 39 VALVE NAMBLE IS LOOSE, SYSTEM FLOW IS CAUSING ATS 112995 1819F050A 155340 PLND 3 40 ACCESS PLATE GOING INTO THE WELL CASSION IS N ATS 113095 \$9477301 155341 PLMD 3 VALVE WAS SMALL PACKING LEAK APPROX. 1 DRIP P 1843FY016 155353 PLMD 3 42 ATS 112995 155433 PLND 3 SP64F435 MANUAL VALVE HAS PACKING LEAK RTO 112995 43 SAFETY CHAIN ON LADDER ON TOP OF TANK MISSING SP21AGQ4 155434 PLMD

NO OIL SHOWING IN "BULBER"

SP21C002

155435 PLMD 3

Serso Friday, December 1, 1995 10 ALL ACTIVE TTE

SYLVIA HALL X2346

MECH --- LEAD DISCIPLIME COUNT. COMMENTS WORK DESCRIPTION STATUS PRI COMPONENTS 45 155486 PLND 3 1M43FY038 THIS VALVE AND ADDITIONAL LISTED VALVES NAVE ATS 113095 RTO 113095 155493 PLND 3 XXXCONTAINME MAJORITY OF BOLTS MISSING ON ACCESS DOOR TO 8 ATS 113095

#### MEDIAN AGE OF A WORK ORDER

```
151588 * 09/15/95 * 11/08/95
                                                                                            153861 * 10/30/95 * 11/07/95
 097835 * 05/26/93 * 11/29/95
                                               153770 * 09/20/95 * 11/17/95
                                                                               57
                                                                                                    * 10/30/95 * 11/01/95
                                                                                                                             112
 127668 * 08/15/94 * 11/29/95
                                 2
                                                                                                    * 10/30/95 * 11/07/95
                                               152568 * 09/21/95 * 11/13/95
                                                                               58
                                                                                                                             113
 138771 * 02/25/95 * 11/30/95
                                                                                            153870 * 10/31/95 * 11/09/95
                                                       * 09/23/95 * 11/14/95
                                                                               59
                                                                                                                             114
                                               153824
 139857 * 03/08/95 * 11/02/95
                                               153703
                                                      * 09/23/95 * 11/15/95
                                                                                                    * 10/31/95 * 11/01/95
                                                                                                                             115
 139813 * 03/09/95 * 11/21/95
                                                                                            154057
                                                                                                    * 10/31/95 * 11/02/95
                                                      * 09/23/95 * 11/09/95
                                                                               61
                                                                                                                             116
                                               152799
       * 03/28/95 * 11/08/95
 141775
                                                                                            154772
                                                                                                    * 10/31/95 * 11/27/95
                                               153573
                                                      * 09/23/95 * 11/09/95
                                                                               62
                                                                                                                             117
       * 04/17/95 * 11/07/95
                                                                                                                             118
                                                                                            154221
                                                                                                    * 11/01/95 * 11/06/95
                                               154394
                                                      * 09/23/95 * 11/22/95
       * 05/21/95 * 11/03/95
                                                     * 09/24/95 * 11/16/95
                                                                                            154023
                                                                                                    * 11/01/95 * 11/03/95
                                                                                                                             119
                                               153787
                                                                               64
       * 05/22/95 * 11/02/95
 146395
                                                                                                    * 11/01/95 * 11/15/95
                                                                                                                             120
                                               152182 * 09/25/95 * 11/08/95
                                                                               65
 146741 * 06/12/95 * 11/09/95
                                 10
                                                                                                    * 11/02/95 * 11/30/95
                                                                                                                             121
                                                      * 09/25/95 * 11/16/95
                                               152187
 148016 * 07/04/95 * 11/21/95
                                 11
                                                                                                    * 11/03/95 * 11/03/95
                                                                                            154147
                                                                                                                             122
                                               152504
                                                      * 09/25/95 * 11/09/95
 148208 * 07/05/95 * 11/17/95
                                 12
                                                                                            154 183
                                                                                                    ° 11/03/95 ° 11/22/95
                                                                                                                             123
                                                     * 09/25/95 * 11/08/95
                                               152183
 148736 * 07/10/95 * 11/28/95
                                                                                            154152
                                                                                                    * 11/05/95 * 11/05/95
                                                                                                                             124
                                                                               69
                                               153756 * 09/25/95 * 11/17/95
 148785 * 07/10/95 * 11/28/95
                                 14
                                                                                            154298
                                                                                                   * 11/07/95 * 11/07/95
                                                                                                                             125
                                               152730 * 09/26/95 * 11/09/95
                                                                               70
       * 07/11/95 * 11/03/95
                                 15
                                                                                                   * 11/07/95 * 11/20/95
                                                                                            154373
                                                                                                                             126
                                               152572 * 09/26/95 * 11/02/95
                                                                               71
        * 07/12/95 * 11/15/95
                                 16
                                                                                            154386 * 11/07/95 * 11/07/95
                                               153136 * 10/02/95 * 11/02/95
                                                                               72
                                                                                                                             127
        * 07/19/95 * 11/21/95
                                 17
                                                                                                    * 11/08/95 * 11/14/95
                                               152812 * 10/08/95 * 11/08/95
                                                                               73
                                                                                                                             128
148891 * 07/20/95 * 11/09/95
                                 18
                                                                                                   * 11/08/95 * 11/14/95
                                                       * 10/08/95 * 11/02/95
                                                                               74
                                                                                            154410
                                                                                                                             129
                                               153229
 148939 * 07/21/95 * 11/01/95
                                 19
                                                                                                    * 11/08/95 * 11/21/95
                                                     * 10/08/95 * 11/01/95
                                                                                            154505
                                                                                                                             130
                                               153230
       * 07/23/95 * 11/15/95
                                 20
                                                                                                    * 11/08/95 * 11/29/95
                                                     * 10/09/93 * 11/28/95
                                                                               76
                                                                                            154494
                                                                                                                             131
                                               153339
149148 * 07/26/95 * 11/29/95
                                 21
                                                     * 10/09/95 * 11/17/95
                                                                                            154502
                                                                                                    * 11/09/95 * 11/13/95
                                                                                                                             132
                                               153536
151350
       * 08/03/95 * 11/22/95
                                 22
                                                                                                    * 11/10/95 * 11/10/95
                                                                                                                             133
                                                     * 10/10/95 * 11/16/95
        * 08/03/95 * 11/22/95
                                 23
                                               153414 * 10/11/95 * 11/08/95
                                                                                                    * 11/10/95 * 11/27/95
                                                                                                                             134
        * 08/03/95 * 11/22/95
151353
                                 24
                                                                                            154966
                                                                                                    * 11/10/95 * 11/29/95
                                                                                                                             135
                                               153233 * 10/11/95 * 11/01/95
                                                                               80
151262 * 08/03/95 * 11/22/95
                                 25
                                                                                                    * 11/11/95 * 11/13/95
                                                      * 10/11/95 * 11/17/95
                                                                                            154613
                                                                                                                             136
153700 * 08/08/95 * 11/15/95
                                               153282 * 10/11/95 * 11/29/95
                                                                               82
                                                                                                    * 11/11/95 * 11/13/95
                                                                                                                             137
151987 * 08/09/95 * 11/03/95
                                                                                                    * 11/12/95 * 11/28/95
                                                                                                                             138
                                                                                            154665
                                                                               83
                                               153219 * 10/12/95 * 11/27/95
149966 * 08/13/95 * 11/17/95
                                 28
                                                                                                   * 11/13/95 * 11/13/95
                                                                                                                             130
                                               153220 * 10/13/95 * 11/15/95
       * 08/14/95 * 11/15/95
                                 29
                                                                                            154819 * 11/13/95 * 11/20/95
                                               134082 * 10/14/95 * 11/17/95
                                                                                                                             140
        * 08/15/95 * 11/17/95
                                                                                                   * 11/14/95 * 11/15/95
                                                                                                                             141
                                               154088 * 10/14/95 * 11/17/95
150248
        * 08/16/95 * 11/06/95
                                 31
                                                                                            154923 * 11/15/95 * 11/29/95
                                                                                                                              142
                                                      * 10/15/95 * 11/17/95
150526
       * 08/19/95 * 11/27/95
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                                               153224
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       * 08/22/95 * 11/08/95
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        * 08/23/95 * 11/14/95
                                               153225 * 10/16/95 * 11/09/95
                                               153338 * 10/16/95 * 11/09/95
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                                                                                                    * 11/16/95 * 11/17/95
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       * 08/27/95 * 11/17/95
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                                               153284 * 10/16/95 * 11/13/95
151031
        * 08/29/95 * 11/30/95
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151028
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                                               153751 * 10/16/95 * 11/20/95
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                                               153425
                                                      * 10/17/95 * 11/06/95
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153135
       * 08/31/95 * 11/17/95
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                                               153347 * 10/17/95 * 11/08/95
151271 * 09/02/95 * 11/09/95
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        * 09/05/95 * 11/10/95
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151137
                                               153451 * 10/19/95 * 11/15/95
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151533
        " 09/05/95 " 11/30/95
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        * 09/05/95 * 11/16/95
151341
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151543
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151246
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151667
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151261
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152448
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151607 * 09/10/95 * 11/15/95
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                                               153828 * 10/29/95 * 11/15/95
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151519 * 09/11/95 * 11/01/95
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                                               153857 * 10/29/95 * 11/17/95
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                                               153825 * 10/29/95 * 11/06/95
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152584
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151665
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                                                      * 10/30/95 * 11/17/95
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151650 \* 09/15/95 \* 11/07/95

55

MANO TOTAL REPORT COL 11

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	,	C1#	WOR	STAR	PRO	272	COMP #		01	02	03	04	95	D6	07	80	29	910	011	D12	CI	PRI	LEAD
	ELEC	034000	001215		50.85	F44	1P43C001C	(NEED	MR	ER	EG	18										4	ELEC
,										EG													ELEC
5							52-164131				nan.			18								4	ELEC
3							32-161121						2.0	10				18					ELEC
4							18658001A															,	ELEC
5		049654	144636	DLAY	MAO	C71	107180038										16	EG	PMK				
MEST	INST																				MR		INST
1		049389		CI			108287028														HR	3	INST
1		049944		CI	MACO		18430029														EG	3	INST
3		052862		CI	MMO		10178603															5	INST
4							105180118	EC	£6	PL	18											,	INST
5		041855	116109	5 PLMD	MMO	K35	1N32R645		RW	18	ER	PL											INST
•	•	048356	141986	B PLMO	MMO	821	18212001		NR	18	MR											4	
	7	052147	15285	1 PLNO	CMM	617	sg17c002		湖	EG	18	MP										4	INST
1	•	052270	15343	6 1911	HMO	833	18330001/	A	WR	EG	18											5	IMST
	9	041363	11442	3 RVA	MAIO	636	1636R023I	9					EG	18								3	INST
	10	031277	7 09298	1 DLAT	MAIO	N23	18238459	8									18	111	EG			5	INST
	11	042780	12093	P DLAT	r HNO	#13	18139627										MIR					5	INST
	12	04467	7 12634	4 DLAT	MAC)	1171	18718230	A									16	18				4	INST
	13	04729	9 13577	S BLA	7 164D	P66	8P66F501										66	18				3	INST
	14	04744	8 13671	6 DLA	1 1949	CP1	90914630										MS	18				3	INST
	15	04923	7 14354	7 DLA	4 154B	813	10130432										HE					5	INST
	16	05073	1 14882	9 DLA	Y MAIO	C84	SC84J005										14	EG				3	INST
	17	05118	7 14994	8 DLA	OMBI Y	CS	10598012	JE									14	E	1 11			3	INST
	18	05211	7 15264	7 DLA	Y ISAC	d	1 10518011	GN									PE	1 18	RO	PL		5	INST
MIXET	IC NECE																						MCCH .
	1	00960	16	CI	MALE	M11	S NOORADAN	ASTE B	LD												EG	•	MECN
	2	91563	17	CI	MHC	U11	9 100000 -	TURS	BL												EG	*	MECN

	CIB	WOM	STA	TUPRE	21	rscore #	01	02	03	D4	05	06	07	DS	09	D1	0 01	1 01	2 C1	PRI	LEAD
3	016802	,	cı	MLCO	U61	1 10418017													EG	4	MECH
4	046177	,	CI	MMO	U61	10410007													EG	4	MECH
5	048244	,	CI	MAD	E31	163160036													EG	5	MECH
6	048572		CI	HAID	M62	186250036													EG	4	MECH
7	052122		CI	MAO	T10	17101A501													HER	4	MECH
8	052298		CI	MACO	141	17417701													MR	4	MECH
9	052350		CI	PERO	166 1	184180018													EG	3	NECH
10	052361		CI	PRACO	£12	1E12C003A													MR	4	MECH
11	052362		cı	PRACO	E12	1E12C003C													MER	4	MECH
12	052343		CI	MMO	E21	1E21C002													MR	4	HECH
13	052364		CI	MAD		18220003													PAR		MECH
14	052377		CI	PAAD .		1T48F500A													EG	3	MECH
15	052500		CI	1640		174680018													EG	3	
16	033516					\$2518002A		EG	18												MECH
17	037550					1P520X														4	MECH
18								ER												4	MECH
	04.0908					1P75E001A	MR	EG	18											5	MECH
19						19447054	MR	EG	18											3	MECH
50						1U31E004									EG	ER	18	00		4	MECH
21						SP64FC04									ON	18	EG			4	MECH
22	041008	113141	DLAY	MMD	617	9G17F154									18	EG	PL			5	MECH
23	041009	113197	BLAV	ILES	617	86177195									18	EG	PL			5	MECH
24	042367	119534	DLAV	MAD .	P45	2009 191 10G									PL	SH	MR			4	MECH
25	043158	121397	DLAY	MHO	617	SG17F4398									18	EG				5	MECH
26	043901	123799	DLAY	MAD	M4.1	184 100028									18	EG				3	MECH
27	045246	128824	DLAY	MAD	W67	146747018									144	EG				3	MECH
28	050956	149134	DLAY	MAD	X57	SNS 70821								1	MR	18				3	MECH
29	052487	153863	DLAY	MAG	U61	14 188 75									66					3	MECN

MAIO ON ENGINEERING HOLD 09:07 Friday, December 1, 1995 3

CI# WOW STATUPRS SYSCORP # D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12 C1 PRI LEAD

PH&C CFEE

033377 089806 DLAY MAD F15 1F15E006

18 ER 00 3

CFEE

#### **CONTAMINATION AREA REPORT**

UPDATED: 12/7/95 LIDDATED AS DE 12/7/95

						UPDATED AS	OF 12/1/33
		NO AC	TION REQ'D DUE TO ALARA	CONCERNS			
Bldg	Elev.	Room No.	Room Description	Reason for Contamination	wo#	Last Week	Current Week
AUX	93	1A105	RHR "B" Pump Room	System Leakage	N/A	370	370
	93	1A108	Fir & Eq Drn Transfar Tk Rms	System Leakage	N/A	300	300
	93	1A103	"A" RHR Pump Rm (& 1A102)	System Leakage	N/A	950	950
	119	1A209	RWCU "A" Pump Room	Pump Maintenance	N/A	255	255
	119	1A210	RWCU "B" Pump Room	Pump Maintenance	N/A	255	255
	119	1A205	RHR "B" (E12F053B)		N/A	120	120
	139	1A304	South Pipe Pen Rm (& A303)	System Maintenance	N/A	1450	1450
	166	1A430	CRD Repair Room	CRD Rebuild	N/A	965	965
	185	1A527	FPC & C/U Ht Exchangers	Maintenance	N/A	190	190
	185	1A529	Precoat Add. Tank	Overflow	N/A	0	400
RW	93	OR134	Spent Resin Tank Room		N/A	350	350
	93	OR116	Floor Metering Pump areas	Pump Leakage	96330	165	165
	93	OR124	Equip. Drn Collection Tk Rm	Resin Burp from Fir Drn	N/A	1350	1350
	93	OR114	Equip. Drn Collection Tk Pmp Rm		N/A	200	200
	136	OR302	WHT A&B		N/A	1120	1120
	136	OR323	CPS A & B Tank Rms	Tonk Maintenance	N/A	365	365
	136	OR301	Hallway	Leakage	N/A	220	220
	147	In the second	Funda Filter Maint. Area	Screen Maintenance	N/A	1050	1050
*TURB	87	1T101	Cond Bay West	Expansion Joint N17 Pipe	N/A	1175	1175
	87		Cond Bay East		N/A	1000	1000
	93	1T101	Cond Bay	Leakage	N/A	500	500
	133	1T319	Precost Filter Room	N22 Valve Work	40160/40269	750	750
CONTROL	93	OC116	Hot Machine Shop Decon Area	Mech. Maint. Activities	N/A	650	650
CTMT	161	11	Under Access to Stm Tunnel		N/A	40	40
	161		RHR "A" CTMT Spray Line		N/A	100	100
	185	1A515	RWCU Valve Room	VIv Maint; G36F007A	N/A	270	270
	185	1A514	RWCU Sample Station	System Leakage	N/A	300	300
	208		CTMT Carousel/Polar Crane		N/A	600	600
					Totals:	15060	15460
					% Contam.:	2.97%	3.05%
			*Areas that could be dec	onned during plant shutdown with	thout affection	ALARA costs	

**CONTAMINATION AREA REPORT** 

			CUNTAIN	INATION AREA	NEPUNI		UPDATED: 12/7/95
		AREA	S REQUIRING DECON PRIOR T	TO RELEASE			
					Totals:	0	0
					% Contam.:	0.00%	0.00%
	AREAS RE	QUIRING N	MAINTENANCE ACTIONS PRIO	R TO DECONTAMINATION			
CONTROL	93	OC116	Hot Machine Shop SW Corner	Mech. Maint. Activities	N/A	400	400
RW	118	OR220	Oil Separator Room		N/A	400	400
	118	OR208	Floor Drn Pump Room	Pump Leakage	DCP 84/249	275	275
					Totals:	1075	1075
		ALS:			% Contam.:	0.21%	0.21%
				Total Contaminated A	Area	16,135	16,535
				Total PerCent Contant	ninated	3.17%	3.25%
				Total Square Feet of	Plant	508,500	

#### **AUXILIARY BUILDING**

IDENTIFI	ED PLANT LEAKS AN	D STATUS		12/5
E51- F010	Wates/ Packing	93'/7	CI#51361	ACTV
T41- B001	H2O/ appears to have tube leak	93'/9		no leak found
P42- C001A	Oil/Seepage from fittings			
P42- C001B	Oil/Seepage from fittings			
P42- C001C	Oil/Seepage from fittings	93'/9	WO# 153703	
C11- C002B	Oil/Seepage from fittings	93'/9	CI# 52671	
C11- F013B	Water	93'/10		
C-11- C001B	Oil/ Seepage from fittings	93'/10	WO# 149732 152729	SCHD
C-11- C001A	Oil/Seepage from	93'/10	WO# 152728	PLND
1D17- P012	Oil / Seepage from outboard bearing cover	245'	CI# 51233	ACTV
		NAME OF THE OWNER, WHEN THE OW		
	E51- F010 T41- B001 P42- C001A P42- C001B P42- C001C C11- C002B C11- F013B C-11- C001B	E51- F010  T41- B001 HzO/ appears to have tube leak P42- C001A  P42- C001B  Fittings  P42- C001C  C11- C002B  C11- C002B  C11- C001B  C11- C01/Seepage from fittings  C-11- C01/Seepage from outboard bearing	F010	E51-   Water/ Packing   93'/7   CI#51361

#### TURBINE BUILDING

IDENTIFIE			A ser there were a series and the series and the series and the series and the series are the series and the series are the series and the series are the se	12/5
COMP. NO.	LEAK TYPE/ CAUSE	AREA	WORK DOCUMENT	STATUS
1P66- F085A	HzO	93'/1		
N19-	Oil	93'/1	CI# 51226 153787	SCHD
N19- C002A	Oil	93'/1	CI#51225	ACTV
N34- F058	Oil/ Seepage at fittings	93'/3		
N34- F376	Oil/ Leaking past valve seat	93'/3		ACTV
P43- C001C	Oil	93'/6		ACTV
N19- F048C	Oil/ Seepage from gearcase	113'/1	CI# 51221	ACTV
N34- F023B	Oil	113'/3		
N34- F379B	Oil	113'/3		
N21 C009A	Oil	113'/3	CI# 51950	
N21-	Oil	113'/3	CI# 51966	
N62-	H <sub>2</sub> O	113'/4	WO# 147174	DLAY
P11-	Oil	113'/5	WO# 146730	DLAY
N21-	H <sub>2</sub> O	113'/6	WO# 148881	PLANNED
NA	Oil	129'/1		
N22- FX012		133'/5	WO# 131339	PLANNEL
	COMP. NO. 1P66- F085A N19- C002B N19- C002A N34- F058 N34- F376 P43- C001C N19- F048C N34- F023B N34- F379B N21 C009A N21- C011A N62- F002B P11- C001B N21- F513 N/A	COMP. LEAK TYPE/ NO. CAUSE  1P66- F085A  N19- C002B  N19- C002A  N34- F058  N34- F058  N34- F376  P43- C001C  N19- F048C  N34- F023B  N34- F023B  N34- F023B  N21- C009A  N21- C011A  N62- F002B  P11- C001B  N21- C001B	NO. CAUSE AREA  1P66- H2O 93'/1  F085A  N19- Oil 93'/1  C002B  N19- Oil 93'/1  C002A  N34- Oil/ Seepage at 93'/3  F058 fittings  N34- Oil/ Leaking past 93'/3  F376 valve seat  P43- Oil 93'/6  C001C  N19- Oil/ Seepage from 113'/1  F048C gearcase  N34- Oil 113'/3  F023B  N34- Oil 113'/3  F023B  N21- Oil 113'/3  C009A  N21- Oil 113'/3  C011A  N62- H2O 113'/4  F002B  P11- Oil 113'/5  N21- C01B  N21- F002B  P11- Oil 113'/5  N62- H2O 113'/6  F513  N/A Oil 129'/1	COMP   CAUSE   AREA   DOCUMENT

### OFF GAS BUILDING

Date: 12/6/95	IDENTIFIE	D PLANT LEAKS A	ND STATUS		12/6
COMPONENT DESCRIPTION	COMP. NO.	LEAK TYPE/ CAUSE	ELEV/ AREA	WORK DOCUMENT	STATUS
No significant leaks identified 12/6/95					
		AND POST OF THE PARTY OF THE PA			

#### RAD WASTE BUILDING

Date: 12/6/95	IDENTIFIED PLANT LEAKS AND STATUS					
COMPONENT DESCRIPTION	COMP. NO.	LEAK TYPE/ CAUSE	ELEV./ AREA	WORK DOCUMENT	STATUS	
	SG17- FX002			CI# 51319		
	SG17- C005			CI# 47316		

### CONTAINMENT BUILDING

Date: 12/6/95	IDENTIFIE	12/5			
COMPONENT DESCRIPTION	COMP. NO.	LEAK TYPE/ CAUSE	ELEV./ AREA	WORK DOCUMENT	STATUS
HPU A		Oil/ Seepage at fittings	135'	WC# 126341	PLND

### SSW BASIN - PUMP ROOM

Date: 12/6/95	IDENTIFIED PLANT LEAKS AND STATUS							
COMPONENT DESCRIPTION	COMP. NO.	TYPE LEAK/ CAUSE	ELEV./ AREA	WORK DOCUMENT	STATUS			
No significant leaks identified 11/22/95								
					-			

### WATER TREATMENT BUILDING

COMP. NO. 2P52- C001	D PLANT LEAKS AT LEAK TYPE/ CAUSE Oil/ Seepage at	ELEV/ AREA 133'	WORK DOCUMENT WO# 149966	STATUS
		133'	WO# 149966	DLAY
	various fittings			
SP52- C001B	Oil/ Seepage at various fittings	133'	CI# 52660	Y
SP52- C001A	Oil/ Seepage at various fittings	133'	CI# 052316	Y
1P53- C001	Oil/ Seepage at various fittings	133'	CI# 52661	Y
SP21- C001A	Oil	133'	CI# 52663	Y
P21- C001B	Oil	133'	CI# 52659	Y
P64-F163	H2O/ Seepage at packing	133'	CIN 52662	PLND
SP64- F121A	H2O/ Seepage at	133°	CI# 52664	PLND
SP66- C001B	H2O	133'		
	SP52- C001A 1P53- C001 SP21- C001A P21- C001B P64-F163	SP52- C001A Various fittings  1P53- C001 Various fittings  SP21- C001A Oil C001A  P21- C001B  P64-F163 H2O/ Seepage at packing  SP64- F121A packing  SP66- H2O  H2O  SP66- H2O	SP52-   Oil/ Seepage at various fittings   133'	SP52-   Oil/ Seepage at various fittings   133'   CI# 052316

### FIRE WATER PUMP HOUSE

Date: 12/6/95	IDENTIFIE	12/5			
COMPONENT DESCRIPTION	COMP.	LEAK TYPE/ CAUSE	ELEV/ AREA	WORK DOCUMENT	STATUS
No significant leaks identified 11/22/95					
					+
				and a laboratory	

#### CONTROL BUILDING

IDENTIFIEL PLANT LEAKS AND STATUS					
COMP.	LEAK TYPE/ CAUSE	ELEV./ AREA	WORK DOCUMENT	STATUS	
N/A	H2O/ Water supply to basin will not shut off	93'HP Decon Area	CI# 51539		
P66-F852		93'/25B	CI# 52525		
P71-F403		93'/25B	CI# 52526		
		Company of the same of the sam			
	COMP. NO. N/A P66-F852	COMF. LEAK TYPE/ NO. CAUSE  N/A H2O/ Water supply to basin will not shut off  P66-F852	NO. CAUSE AREA  N/A HzO/ Water supply to basin will not shut off Area  P66-F852 93'/25B	COMP. CAUSE ELEV./ AREA DOCUMENT  NO. CAUSE 93'HP Decon shut off Area  P66-F852 93'/25B CI# 52525	

### RADIAL WELL

Date: 12/6/95	IDENTIFIED PLANT LEAKS AND STATUS				
COMPONENT DESCRIPTION	COMP. NO.	LEAK TYPE/ CAUSE	ELEV./ AREA	WORK DOCUMENT	STATUS
VALVE	P47- FX021	H <sub>2</sub> O	Well 1		
VALVE	P47- FX024	H <sub>2</sub> O	Well 3		
AIR RELEASE VACUUM VALVE	P47- F023K	H <sub>2</sub> O	Well 4	CI# 47778	
PUMP COOIK BYPASSYTO RIVER FLOW VALVE	P47- F*04K	H <sub>2</sub> O	Well 4	CI# 47819	
PP-N400F ISOL	P47- FX026	H <sub>2</sub> O	Well 5	A second	
P47-POO2E DISCH VLV DELVAC 1230	P47- F002E	Oil	Well 5		
PSW PUMP F DISCH AIR RELEASE/VACUUM RELIEF	SP47- F108F	H <sub>2</sub> O	Well 5	CI# 49377	-
A STATE OF THE STA					

### SWITCHGEAR HOUSE

Date: 12/6/95	DENTIFIE		12/5 STATUS		
COMPONENT DESCRIPTION			ELEV./ AREA		
No significant leaks identified 11/22/95					
					1

#### DIESEL GENERATOR BUILDING

Date: 12/6/95	te: 12/6/95 IDENTIFIED PLANT LEAKS AND STATUS				
COMPONENT DESCRIPTION	COMP. NO.	LEAK TYPE/ CAUSE	ELEV./ AREA	WORK DOCUMENT	STATUS
Various Gaskets	N/A	Oil	Div. I Left Bank		
DD Compressor Disch. Drain VIv.	P81- F809	H <sub>2</sub> O	Div. III	WO# 147071	SCHD
Pan Coil Unit	1X77 B002	H <sub>2</sub> O	Div. III	CI# 51540	no leak found
Del Gen HS-66A Hdr Isol (DIV. I)	P64- F317	H2O/ Seepage at packing	Breeze- way	CI# 52657	
Del Gen HS-66B Hdr Isol	P64-F318	HxO	Brecze- way	CI# 52656	
					-
	-				-

## Procedures with 3 TCNs Exceeding 30 Days

Directive Number	Revision	TCN	Due Inc.	Ext. Date	RESP
07-S-01-205	100	20	122995		Maint

Total:

#### ENTERGY OPERATIONS, INC. NONCONFORMANCE TRACKING OPEN MNCRS AT MAINTENANCE OVER 120 DAYS

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MNCR ####################################	ACTION DEPARTMENT ISSUE DT Q PRIORITY  MECH SUPT 10/15/93 N 3	
DESCRIPTION.	FEEDWATER HEATER 3C EXTERNAL TEMPERATURE ELEMENT 1N36N037C WAS FOUND TO HAVE ITS INSTRUMENT TUBING AND CABLE SHREADED AT ITS CONNECTION.	DATE TO RESP DEPT, 04/12/95
COMMENTS	PRI 3 PER OPS 5/13/95; REMOVED FROM RFO8 PER OS 7/26/95	ACTION DATE: 12/01/96 EST. CLOSURE: 02/01/96 SYS MWO/MCP/DCP N36 MWO 109282 CLSD MWO 141742 WCG 9/7/95 CI 49536 RFO8
950013	PLANNING/SCHED SUPT 01/13/95 N 3	
DESCRIPTION	P21C016B SUMP PUMP HAS 4 DRILLED HOLES IN CASING AND NO DESIGN DOCUMENTATION FOR THEM IS AVAILABLE	ACTION REQUIRED: PREPARE NON-OUTAGE MWO
COMMENTS:		ACTION DATE: 12/15/95 EST. CLOSURE: SYS P21 MWO/MCP/DCP
950068	MECH SUPT 04/16/95 Y 3	
DESCRIPTION	POLAR CRANE TROLLEY HAND RAILING COLLIDED WITH ILRT SUPPORT NEAR DRYWELL EQUIPMENT HATCH, ILRT SUPPORT BENT AWAY FROM CONTAINMENT WALL	ACTION REQUIRED: IMPLEMENT NON-OUTAGE MY
COMMENTS:	SOFFORT BERT AWAT, FROM CONTAINMENT WALL	ACTION DATE: 12/15/95 EST. CLOSURE: SYS MWO/MCP/DCP M10 MWO 142765 MWO 142871 MWO 143176 CI 48806 CI 48813 CI 49024/WCO/5-3-95
		CI 50534 MWO 142765 MWO 142871 MWO 143176 CI 48806 CI 48813 CI 49024/WCO/5-3-95 CI 50534
950227	PLANNING/SCHED SUPT 07/18/95 N 3	
DESCRIPTION	N62F001B PACKING LEAK	ACTION REQUIRED: PREPARE NON-OUTAGE MWC
COMMENTS	FURMANITE WO NEEDED; REMOVED RFO8 PER OS 11-20-95; NP DISP GOOD TO RFO8	E ACTION DATE: 12/01/95 EST. CLOSURE: SYS MWO/MCP/DCP N62 MWO 147034

## 1995 and/or Open QDR's for Maintenance

QDR	Description	Issue Date	Res. Dept.	Action Required
95-0231	Sensitivity Test Not Being Performed on Plant Smoke Detectors as Required.	110695	ELEC	Disposition
95-0183	During QP audit 030395, it was identified that I&C failed to sign on red tag clearance 95-3200 prior to performing work. Violation of 01-S-06-1.	090595	I&C	Perform Correction Action
95-0151	Lead for LPRM detectors 34-27A&C were swapped during detector changout during RFO7. Violation of 07-S-33-C51-2, step 7.18.8	7/5/95	Maint Contract Coord	Perform Corrective Action
95-0136	Motor coupling spacer not installed during reassembly of the "A" recirculation pump during RFO7	061595	MECH	Perform Corrective Action
95-0153	During QP audit 04/01/95 it was identified that Mech. Maint didn't document the education, experience and certification of personnel form other Entergy sites working at GGNS during RFO7.	071395	MECH	Redisposition
95-0154	Unapproved temporary rigging used during removal of valve 1P41F299A during performance of WO 140531. Violation of GGNS CS-15	071495	MECH	Perform Corrective Action
95-0169	Multiple MNCRs initiated since 1992 to address EHC fluid in the suppression pool as a result of Maintenance of HPUs. QDR initiated to document potential problem.	081895	MECH	Perform Corrective Action
95-0195	During rework of valve 1N21F015A in RFO7 under WO 128733, fabrication / machining of new bushings was allowed by WO, new pivot pins machined without approval.	092595	MECH	Disposition
95-0197	Potential problem due to inadequate vendor manual / proc. Insts for pump rebuilds. Insufficient / vague instructions contributed to seal leak after rebuild of 1E12C003B WO 138592.	092695	MECH	Disposition

95-	0232	Incorrect length fire hose installed during performance of surveillance 06- ME-SP64-A-0016 (WO 149763)	110795	MECH	Disposition
95-	0241	WO's 140161 and 146961 were issued and worked without steps in WO not signed off cleanliness inspection on new parts installed. Required per 01-S-07-13.	112095	MECH	Disposition
95-	0245	Grease guns and oil containers not labeled in storage containers.	112895	MECH	Disposition
93-	0171	Control Room envelope compromised by removal of control building fire detector and Supervisory panel functional test during 06-EL-SP65-SA-0001.	072993	MGR Plant Maint	Perform Corrective Action
94-	0303	Scram avoidance data (SAD) sheet not completed in accordance with procedure requirements.	120994	MGR Plant Maint	Perform Corrective Action
95-	0169	Multiple MNCR's initiates since 1992, to address EHC fluid in the suppression pool as a result of Maintenance on HPU's.	081895	MGR Plant Maint & Plant Services	Perform Corrective Action
95-	0187	Required Housekeeping tasks not performed monthly	091295	MGR Plant Maint	Disposition
95-	0200	QDR initiated to document potential problem and to track corrective actions associated with process corrections / improvements deemed necessary by RCA 95/20.	103095	MGR Plant Maint	Perform Corrective Action
95-	0182	Incorrect revision of data sheet for procedure 17-S-06-25 issued with WO 149504. Violation of 01-S-07-1 and 07-S-01-205.	092195	Planning & Scheduling	Perform Corrective Action
95-	0241	WO's 140161 and 14961 were issued and worked without steps in WO not signed off cleanliness inspection of new parts installed. Required per 01-S-07-13.	112095	Planning & Scheduling	Disposition
95-	0169	Multiple MNCRs initiated since 1992 to address EHC fluid in the suppression pool as a result of Maintenance on HPU's. QDR initiated to document potential problem.	081895	Plant Services	Perform Corrective Action

#### Definitions

- LER'S are written correspondence to the NRC that is used to provide an
  integrated system for collecting and evaluating operational experience for the
  nuclear industry. 10 CFR 50.73 governs the reporting criteria and NUREG 1022
  conveys NRC positions on associated regulations. Annunciator is based on a
  current month value.
- NRC Violations are failures to comply with regulations (Codes of Federal Regulations or Technical Specifications). 10 CFR 2, App. C governs NRC enforcement actions. Annunciator is based on a current month value.
- Industrial Safety provides administrative guidance through Regulatory and Administrative guidelines. It provides expertise to management and employees to assist in resolving safety issues. Maintain record-keeping. The Industrial Safety Philosophy is that all accidents can be prevented. Annunciator window color is average window value of OSHA Recordables, Restricted Duty and Lost Time Accidents.
- OSHA Recordables are occupational injury or illness that results in treatment (other than first aid) administered by a physician or by registered professional personnel under the standing orders of a physician. This does not include first aid treatment.
  - a fatality
  - lost work days
  - transfer to another job (as a result of occupational injury)
  - termination of employment (as a result of occupational injury)
  - · medical treatment beyond first aid
  - restricted work or motion
  - loss of consciousness

#### Year to date value.

- Restricted duty is where employees' work activities are restricted due to an
  occupational injury that results in a restriction of work or motion. Based on a
  current month. Year to date value.
- Lost Time Accidents is occupational injury or illness sustained by an
  employee while at work for the company. And, the employee is absent on a
  schedule workday following the accident. Lost-time off does not include the day
  of the accident. Year to date value.

- Security Deviations are any deviations from normal security operation and/or security infraction that is considered a loggable event. Based on a current month, provided the number doesn't exceed 10.
- Maintenance WO Backlog is the average totals of CI's with a status of ACTV; MWO's with a status of INIT, PLND, RVWD, SCHD, ATS, INPR, DLAY; Minor Maintenance Trouble Tickets and Quadrex MWO's without an "X" in the RTO field. (Pri 1, 2, 3.). Annunciators are based on current monthly averages. Averages are based on a rolling quarter
- Minor Maintenance Trouble Tickets that have not been RTO'd and are greater than 3 weeks old Pri 1, 2, 3 and 4 only. Annunciator based on end of month snapshot. Averages are based on rolling quarter.
- Total WO's Greater than 90 Days consists of all discipline CI's, WO's that are
  greater than 90 days old and have not been RTO'd with a Priority of 1, 2, or 3
  only. Annunciators are based on current month snapshot. Averages are based
  on a rolling quarter.
- Late PM's are a count of Repetitive Task that have reached and exceeded their late date. (COMP, ELEC, INST, MECH only.) Annunciators are based on end of month snapshot. Averages are based on a rolling quarter.
- Scheduling Effectiveness is a month's average of the total scheduled task to total task completed for each discipline. Annunciators are based on current monthly averages. Averages are based on a rolling quarter.
- Work documents on Engineering Delay are all Pri. 1, 2, 3, 4 and 5 work orders on Engineering hold. Annunciators are based on end of month snapshot. Averages are based on rolling quarter.
- Contamination area awaiting maintenance action are areas that require contamination by either of a leaking component or work in process or awaiting decon. Does not include areas not affected fue to ALARA. Annunciators are based on current monthly averages. Averages are based on a rolling quarter.
- Trip Critical any system with single component failure mechanisms that have failed and resulted in a reactor scrams. A system will remain trip critical until the root cause of the failure has been addressed and corrective actions have been taken to preclude future recurrence. Upon completion of corrective actions, the system may be classified as trip sensitive. Annunciators are based on current month averages. Averages are based on a rolling quarter.
- Trip Sensitive any system with single component failure mechanisms that, upon failure, could cause a reactor scrams. Annunciators are based on current month averages. Averages are based on a rolling quarter.

- Water Leaks water leaking form various equipment and /or components in different areas of the plant. Annunciators are based on a current month's snapshot. Averages are based on a rolling quarter.
- Oil Leaks oil leaking form various equipment in different areas of the plant.
   (Based on end of the month totals). Annunciators are based on a current month's snapshot. Averages are based on a rolling quarter.
- Procedures with 3 TCN's > 30 days Procedures with a TCN greater than 30 days.
- Procedures with TCN's > 24 months Procedures with a TCN greater than 24 months old.
- Non-outage MNCR's at Maintenance for Work are those at the end of the month that are greater than 120 days old. Annunciator is based on a current month snapshot. Averages are based on rolling quarter.
- Priority 4 Work Orders all CI's, MWO's, Trouble Tickets that are not RTO'd. Annunciators are based on end of month snap shot. Averages are based on rolling quarter averages. Does not include SWO's.
- Median Age of Work Orders (not average) of Work Orders from initiation to RTO for on emonth period. Annunciator is based on end of month snapshot.
   Averages are based on rolling quarter averages. (This is a Key Process reported number.
- Days Off vs. Days Worked is a percentage of Bereavement, illness and absence hours divided by regular hours worked year to date. Does not include jury duty, holiday and vacation or STD. Annunciator is based on YTD value.
- % Dose Exposure a collective of radiation exposure received.
- QDR disposition < 30 days percentage of all QDR's issued within 1 rolling year plus any open QDRs dispositioned within 30 days divided by the total.
- QDR Resolution </= 120 percentage of all QDRS issued within 1 rolling year plus any open QDRS resolved within 120 days divided by the total.
- QDR Close-out </= 365 days percentage of QDRs issued within 1 rolling year plus any open QDRs closed-out within 120 days divided by the total.