



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION IV

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

SEP 5 1995

Entergy Operations, Inc.  
ATTN: Ross P. Barkhurst, Vice President  
Operations, Waterford  
P.O. Box B  
Killona, Louisiana 70066

SUBJECT: WATERFORD 3 OUTAGE SCOPE MEETING

This refers to the meeting conducted in the Region IV office on August 29, 1995. This meeting related to a discussion of your Refueling Outage 6 goals and the nature of some of the modifications that will be implemented. We found the discussions informative and look forward to discussing how well you met those goals following completion of the refueling outage.

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

Attachments:

1. Attendance List
2. Licensee Presentation

cc:

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

Entergy Operations, Inc.  
ATTN: Jerrold G. Dewease, Vice President  
Operations Support  
P.O. Box 31995  
Jackson, Mississippi 39286-1995

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PDR ADDCK 05000382  
P PDR

Entergy Operations, Inc.

-2-

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

Entergy Operations, Inc.  
ATTN: D. R. Keuter, General  
Manager Plant Operations  
P.O. Box B  
Killona, Louisiana 70066

Entergy Operations, Inc.  
ATTN: Donald W. Vinci  
Licensing Manager  
P.O. Box B  
Killona, Louisiana 70066

Chairman  
Louisiana Public Service Commission  
One American Place, Suite 1630  
Baton Rouge, Louisiana 70825-1697

Entergy Operations, Inc.  
ATTN: R. F. Burski, Director  
Nuclear Safety  
P.O. Box B  
Killona, Louisiana 70066

William H. Spell, Administrator  
Louisiana Radiation Protection Division  
P.O. Box 82135  
Baton Rouge, Louisiana 70884-2135

Parish President  
St. Charles Parish  
P.O. Box 302  
Hahnville, Louisiana 70057

Mr. William A. Cross  
Bethesda Licensing Office  
3 Metro Center  
Suite 610  
Bethesda, Maryland 20814

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

SEP 5 1995

Energy Operations, Inc.

-3-

bcc to DMB (IE01)  
bcc distrib. by RIV:

L. J. Callan  
Branch Chief (DRP/D)  
MIS System  
RIV File  
Branch Chief (DRP/TSS)

Resident Inspector  
Leah Tremper (OC/LFDCB, MS: TWFN 9E10)  
DRSS-FIPB  
Project Engineer (DRP/D)

DOCUMENT NAME:

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PE:DRP/D	C:DRP/D	D:DRP				
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09/5/95	09/5/95	09/5/95	09/ /95	09/ /95		

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SEP 5 1995

Entergy Operations, Inc.

-3-

bcc to DMB (IE01)

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L. J. Callan  
Branch Chief (DRP/D)  
MIS System  
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09/5/95	09/5/95	09/5/95	09/ /95	09/ /95		

OFFICIAL RECORD COPY

080028

Attachment 1

Attendance List

1. Licensee Personnel

G. G. Davie, Quality Assurance Manager  
T. J. Gaudet, Licensing Supervisor  
M. O. Mullins, Plant Modifications & Construction Project Lead  
D. L. Shipman, Planning & Scheduling Manager

2. NRC Personnel

P. C. Gage, Reactor Inspector, Engineering Branch  
C. E. Johnson, Reactor Inspector, Maintenance Branch  
C. P. Patel, Project Manager, Office of Nuclear Reactor Regulation  
G. A. Pick, Project Engineer, Projects Branch D  
T. W. Pruett, Resident Inspector, Projects Branch D  
M. P. Shannon, Radiation Specialist, Facilities Inspection Branch  
C. A. VanDenburgh, Chief, Projects Branch D

*NRC/Waterford 3  
Meeting*

*Refuel Outage 7*

August 29, 1995



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# *Agenda*

Introduction

T.J. Gaudet

Outage Preparation

D.L. Shipman

Scope

D.L. Shipman

Actions to Ensure a  
Safe Outage

D.L. Shipman/  
G.G. Davie



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# *Outage Preparation*

- Schedule Overview
- Outage Organization
- Outage Goals



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# *Schedule Overview*

## Preparation Milestones

- Major Activities Identified 11/21/94
- Outage Organization Formed 12/22/94
- Design Change Scope Frozen 3/23/95
- Schedule Finalized 6/23/95
- Preparation Complete 8/24/95



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# *Key Dates*

- Fuel Receipt 8/7-24/95
- Shutdown 9/22/95
- Fuel Load 10/13-16/95
- Startup 11/6/95



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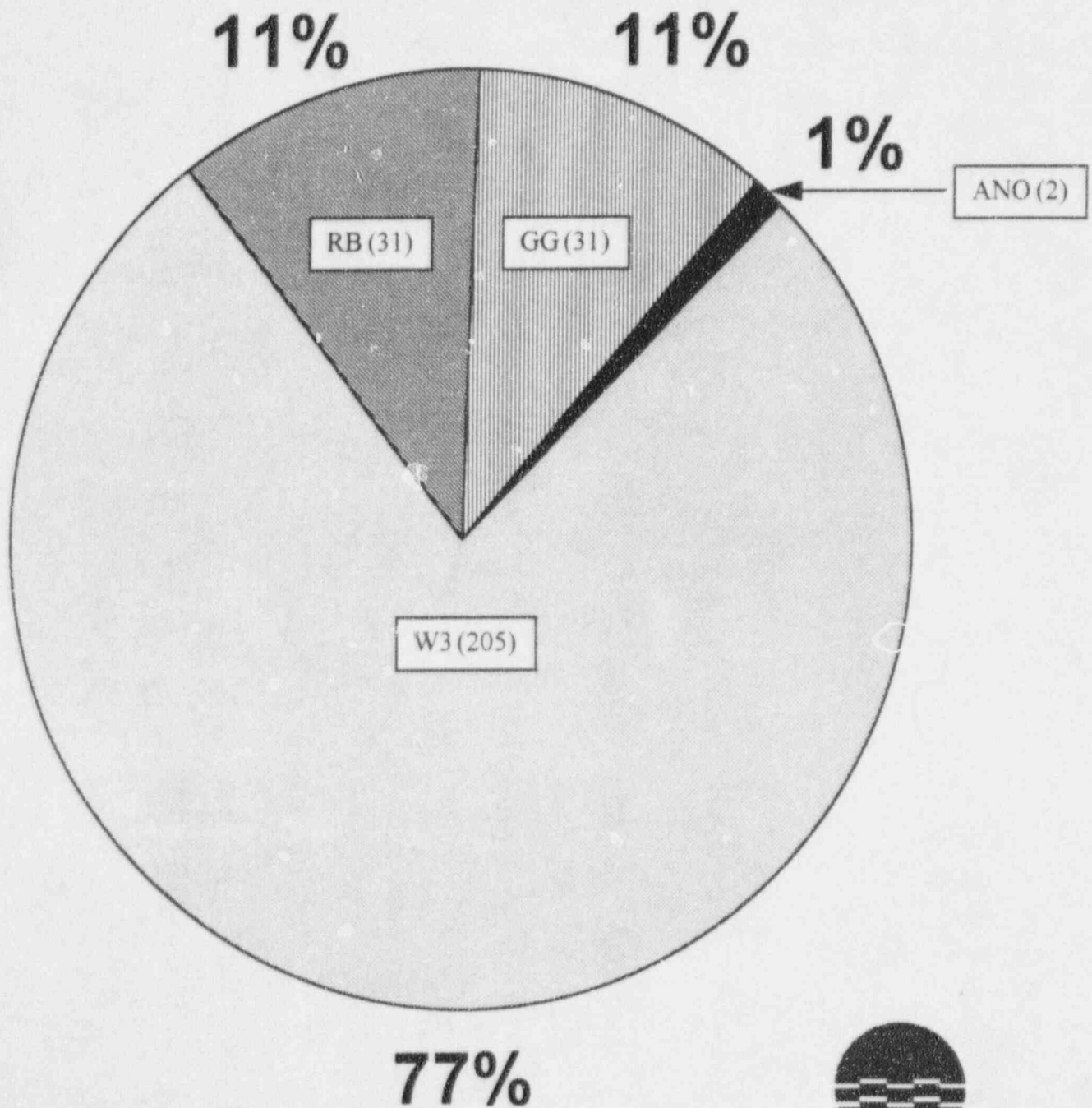
# *Major Contracts*

- ABB-CENO
- Southwest Research Institute
- Bartlet
- SGS
- Bechtel



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# W3 Outage Organization



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# *Outage Goals*

- Duration - 49 Days
- Exposure of 165 Rem
- No Lost Time Accidents
- Post Outage Run Time of 60 Days



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# *Scope*

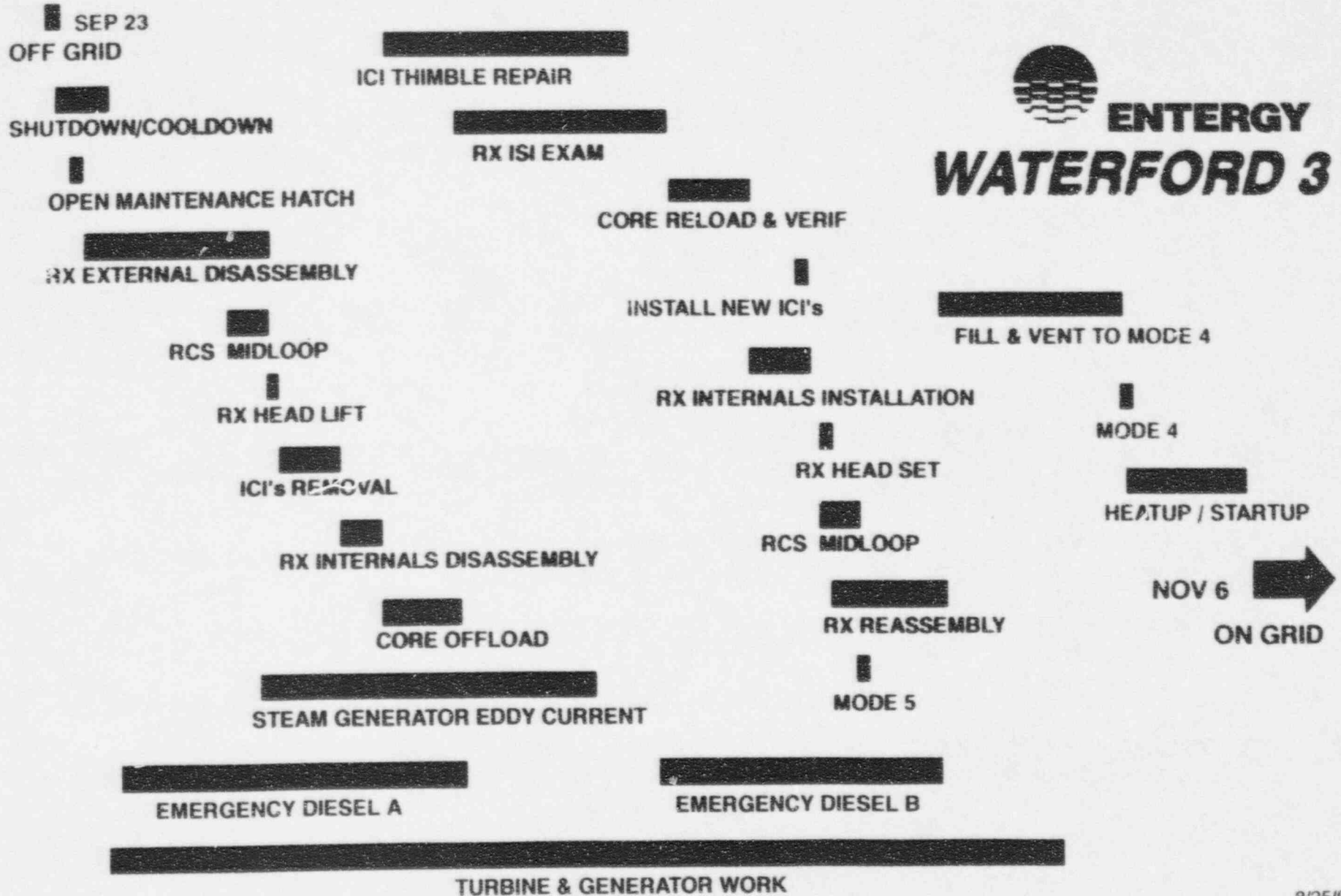
- Critical Path Overview
- Other Major Activities
  - Inspections, Testing and Maintenance
  - Major Design Changes
  - Unique or First-Time Activities



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# REFUEL OUTAGE 7

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45  
 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44



# *Major Design Changes*

- PMC
- Containment Sump Isolation Valve
- Wet Cooling Tower Chemical Additional and Filtration System
- Incore Instrumentation Nozzle Flange Enhancement
- Incore Instrument Thimble Restoration



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# *Unique or First-Time Activities*

- Follow-Up from Fire
- Reactor Vessel Inservice Inspection
- Main Generator Inspection
- Safety Injection Tank Leakage Reduction Activities
- ICI Work

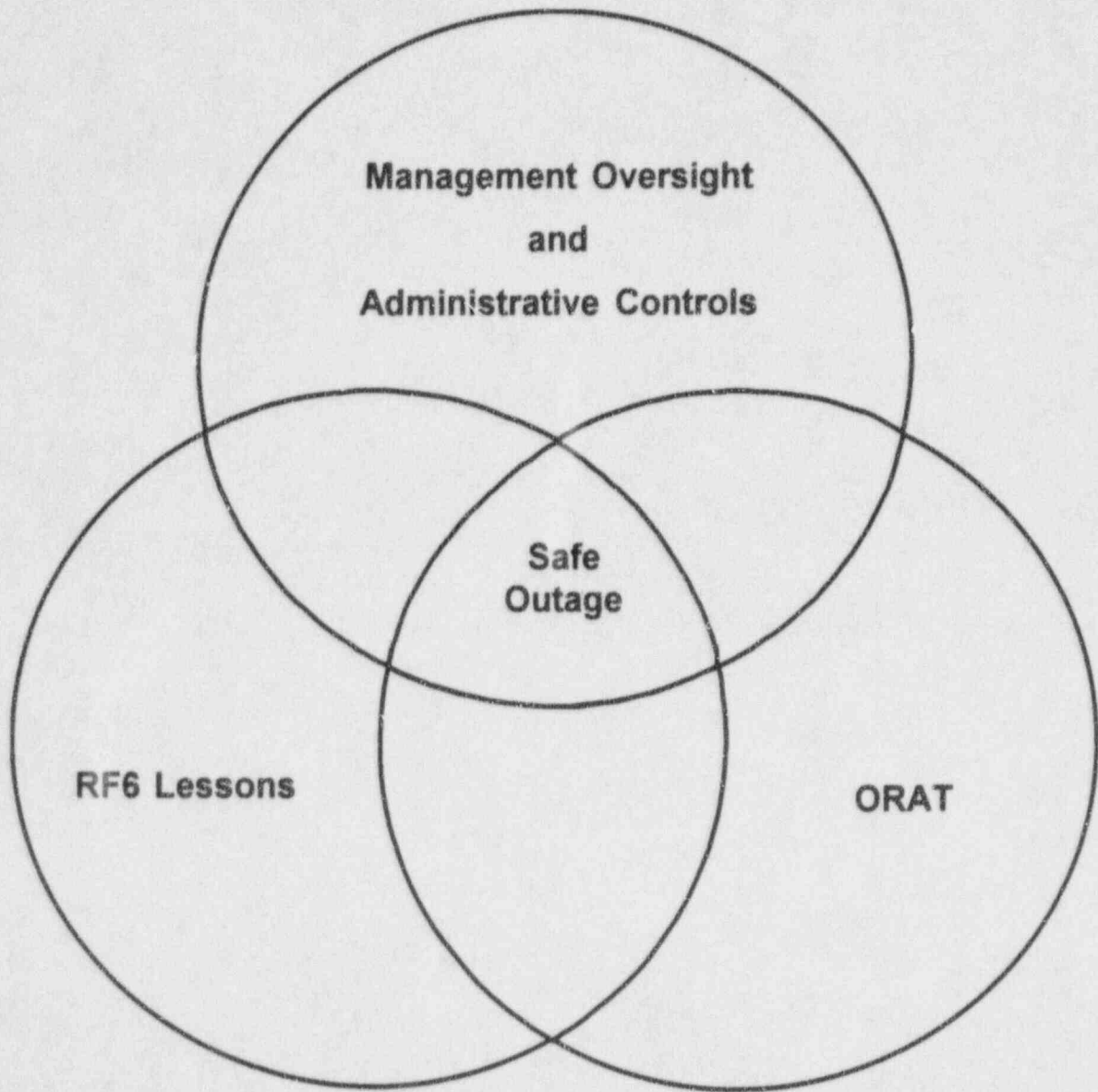


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# *Scope Well Defined*



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# *Management Oversight and Administrative Controls*

- Mid-Loop Operation
- Protected Trains
- Electrical Power
- Shift Risk Assessment



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# *Outage Risk Assessment Team (ORAT)*

- Component/Activity Level  
Assessment of Safety Functions
- Outage Risk Assessment  
Program (ORAP)
- ORAT Findings
- Schedule Changes Assessed



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# *Schedule Changes*

- Daily Review
- Weekly Review
- Deviation From Outage Guidelines



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*Safe + Well Planned +  
Well Defined =  
Successful RF7 Outage*



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