



UNITED STATES
NUCLEAR REGULATORY COMMISSION

REGION IV

611 RYAN PLAZA DRIVE, SUITE 490
ARLINGTON, TEXAS 76011-8064

JAN 23 1996

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


SUBJECT: WATERFORD 3 EMERGENCY PREPAREDNESS MEETING

This refers to the meeting conducted in the Region IV office on January 18, 1995. This meeting related to providing Region IV personnel with an overview of the Waterford 3 emergency preparedness program. The presentation included a discussion of the events declared in 1995, the NRC/Federal Emergency Management Agency evaluated exercise in 1995, and important program aspects. We appreciated the time you took to present to our staff an overview of your program challenges and accomplishments.

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,


Thomas P. Gwynn, Director
Division of Reactor Safety

Attachments:

1. Attendance List
2. Licensee Presentation

Docket: 50-382
License: NPF-38

cc:

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

9601290312 960123
PDR ADOCK 05000382
F PDR

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

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

Entergy Operations, Inc.

-3-

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

bcc to DMB (IE35)

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)
DRS-PSB
Project Engineer (DRP/D)

DOCUMENT NAME: G:DRSLTRS\WATEP.MTG

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

SEPA:PSB	E	C:PSB	E	D:DRS	N				
GMGood:cg	GTB	BMurray	E	TPGwynn	Jan				
01/22/96		01/22/96		01/23/96					

OFFICIAL RECORD COPY

bcc to DMB (IE35) //

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)
DRS-PSB
Project Engineer (DRP/D)

DOCUMENT NAME: G:DRSLTRS\WATEP.MTG

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

SEPA:PSB	E	C:PSB	E	D:DRS				
GMGood:cg	GTE	BMurray		TPGwynn	Jan			
01/22/96		01/22/96		01/23/96				

OFFICIAL RECORD COPY

290071

WATERFORD 3

***EMERGENCY
PREPAREDNESS
PRESENTATION
JANUARY 18, 1996***



AGENDA

■ **Introduction**

F.J. Drummond

■ **Discussion Topics**

J.J. Lewis / F.J. Englebracht

**Challenges to the Emergency Plan
in 1995 - Events Declared**

1995 NRC/FEMA Evaluated Exercise

**Important Aspects of the Waterford 3
Emergency Preparedness Program**

■ **Closing Remarks**

F.J. Drummond



ENERGY

Emergency Plan Implementation in 1995

- *Challenges to the
Emergency Plan in 1995
demonstrated
effectiveness of the Plan
and provided opportunities
for improvement*



Events

- **March 13 - Unusual Event**
Union Carbide Chemical Release
- **March 25 - Alert**
Union Carbide Chemical Release
- **June 10 - Unusual Event**
Fire in Turbine Building
- ***July 20 - Alert***
Koch Industries Ammonia Release
- ***August 2 - Unusual Event***
Hurricane Erin
- **December 27 - Unusual Event**
Natural Gas Leak



Koch Industries

Protective
Measures

Declaration

Response
Activities

Notifications

Follow-up



ENERGY

Hurricane Erin

Protective
Measures

Declaration

Response
Activities

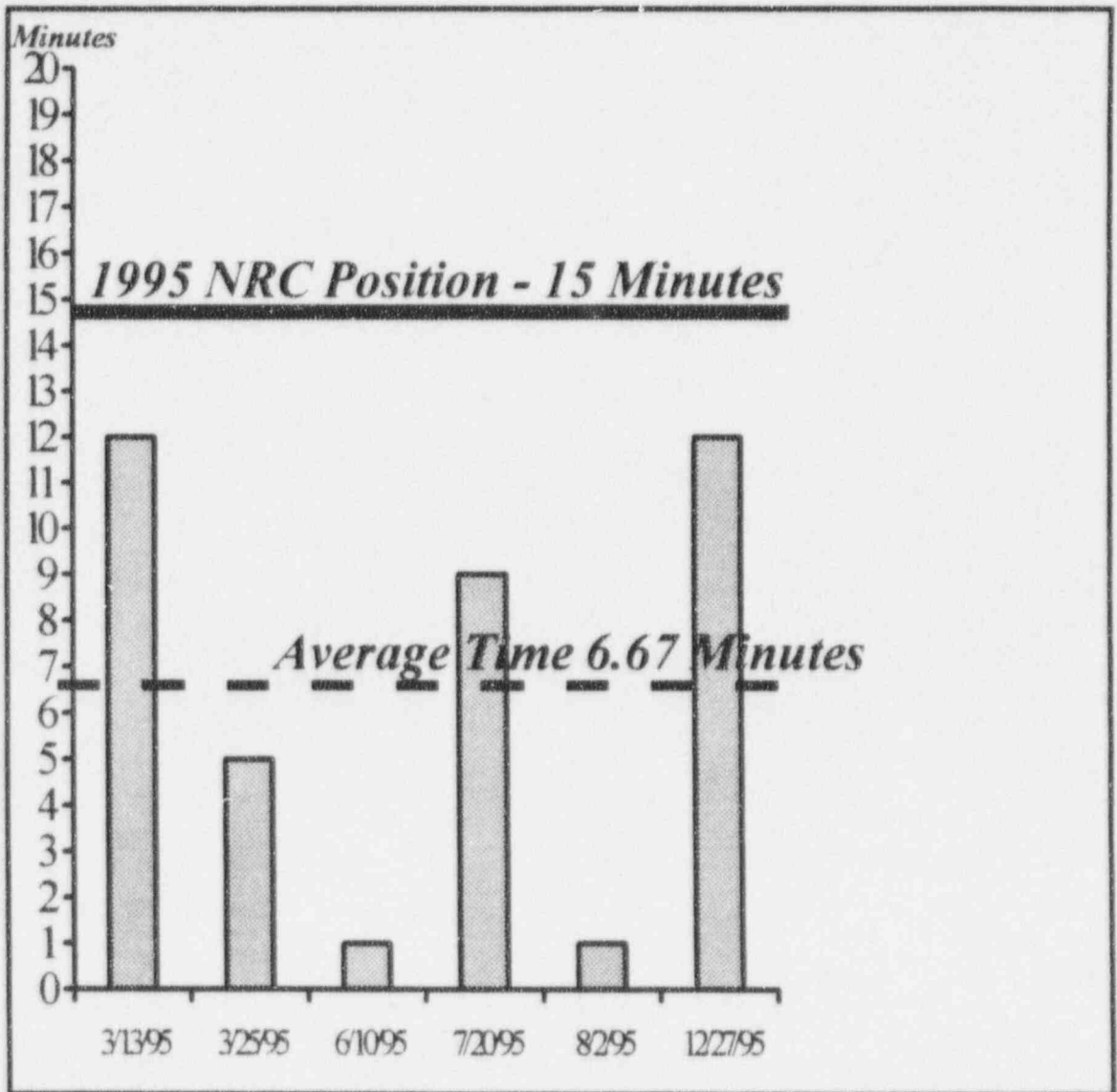
Notifications

Follow-up



ENERGY

1995 Event Classification Times



Summary of Event Response

- *Six 1995 emergency declarations*
- *Regulatory requirements - met or exceeded for all events*
- *Protective measures - timely and appropriate*
- *Response activities - proactive*
- *Critical self-evaluation*
- *Lessons learned/initiatives*



1995 Annual Exercise

- *NRC graded exercise reveals one weakness and other opportunities for improvement*



Weakness

“The failure to clearly communicate instructions and to positively follow-up/verify that the PAP had been relocated was identified as an exercise weakness.”



Weakness Corrective Actions

- *Procedure revision*
- *Supplemental reading*
- *Lesson plans*
- *Operator seminars*
- *Tabletop program*



Other Annual Exercise Opportunities For Improvement

- *Incorrect plant page announcement from Control Room*
- *Classification issue*
- *Voice Notification System activation*
- *Communication from TSC to Control Room*
- *“A” HPSI pump relief valve repair activities*



Waterford 3 Emergency Preparedness Program - Overview

- *Past and present proactive and aggressive approach to emergency preparedness keeps Waterford 3 among the best in Region IV*



Emergency Planning Department

Director
Site Support

E P & Administration
Manager

Siren Maint.
Planner

Onsite Emer.
Plan. Super.

Offsite Emer.
Plan. Coord.

Coord. Admin.
II

3 Planners
2 Specialists



ENERGY

Emergency Planning Department

Director
Site Support

E P & Administration
Manager

Siren Maint.
Planner

Onsite Emer.
Plan. Super.

Offsite Emer.
Plan. Coord.

Coord. Admin.
II

3 Planners
2 Specialists



Waterford 3 Emergency Preparedness Program - Overview

- √ *Emergency Planning
Department*

- *Offsite Preparedness
Program*



Offsite Preparedness Program

- *Annual exercise offsite deficiencies*
- *Excellent relationships*



Waterford 3 Emergency Preparedness Program - Overview

- √ *Emergency Planning
Department*
- √ *Offsite Preparedness
Program*
- *Onsite Preparedness
Program*



Onsite Preparedness Program

- *Management
Philosophy/Commitment*
- *Emergency Response
Organization*
- *Elements of the Waterford 3
Program That Set it Apart*
- *Elements Demonstrating
Waterford's Success*



Management Philosophy/Commitment

- *Written upper tier participation policy*
- *Written upper tier residency policy*
- *Duty requirements - published monthly*
- *Specified duty rotation*
- *Flexible and realistic approach to emergency response*



Emergency Response Organization

- *70% of staff assigned*
- *Training*
- *Selection/assignment*
- *Emergency Planning
coordinates
training/maintains ERO
roster*

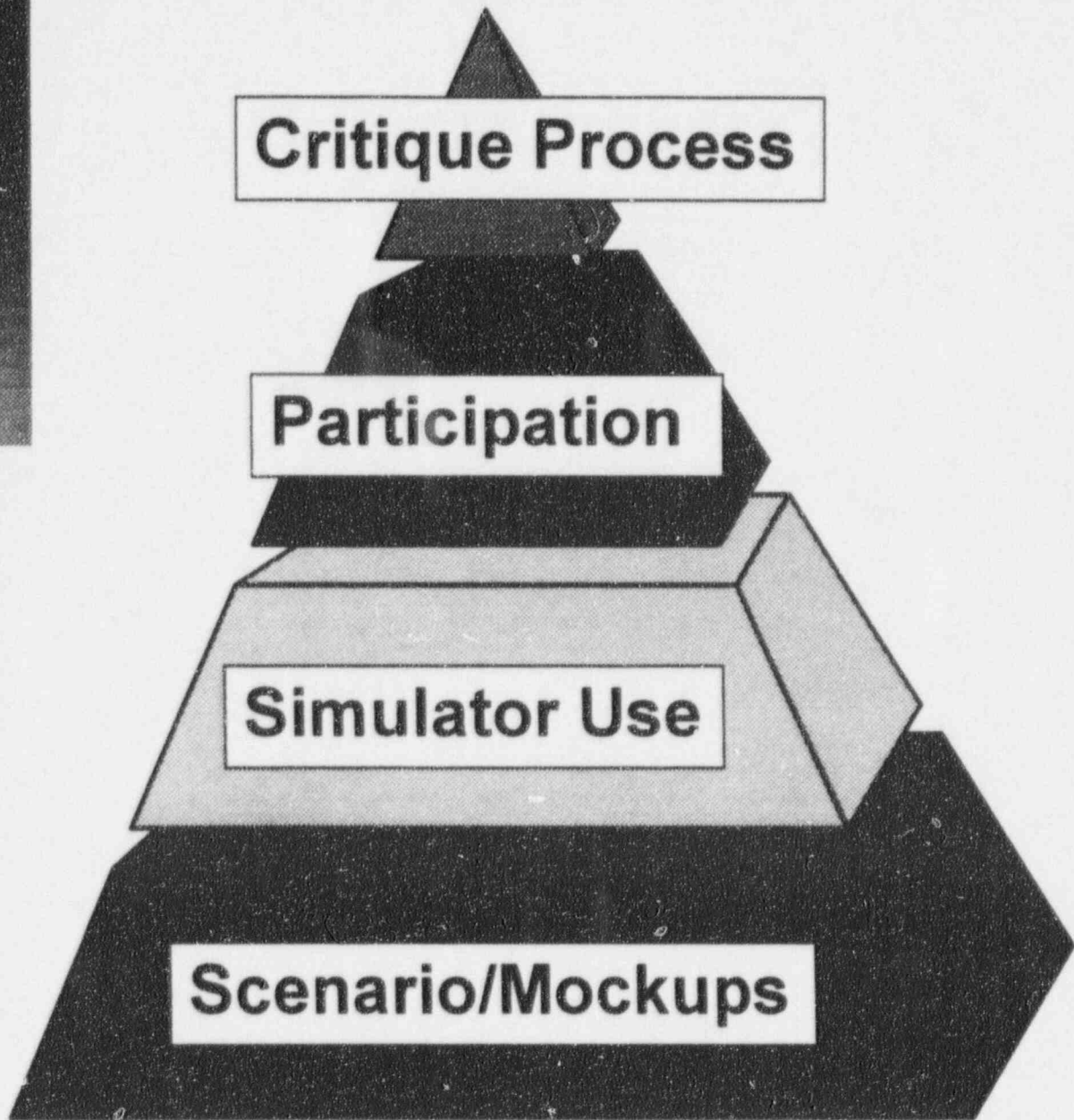


Elements Of The Waterford 3 Program That Set It Apart

- *Duty Emergency Planner Program*
- *EAL System*
- *Facility Maintenance Program*
- *Drill Program*



Waterford 3 Drill Program



ENERGI

Elements Of The Waterford 3 Program That Set It Apart

- *Automated callout system*
- *Operator Training Program*
- *Toxic Chemical Response Program*
- *Hurricane Preparedness*
- *Alert/Notification System*



Elements Demonstrating Waterford's Success - Effective Corrective Actions

- *3 items identified as improvement items in 1993 exercise were strengths in 1995*
 - *Accident analysis/core damage assessment*
 - *Scenario/drill control*
 - *EOF command and control*
- *No violations for repeat weaknesses in Waterford history*



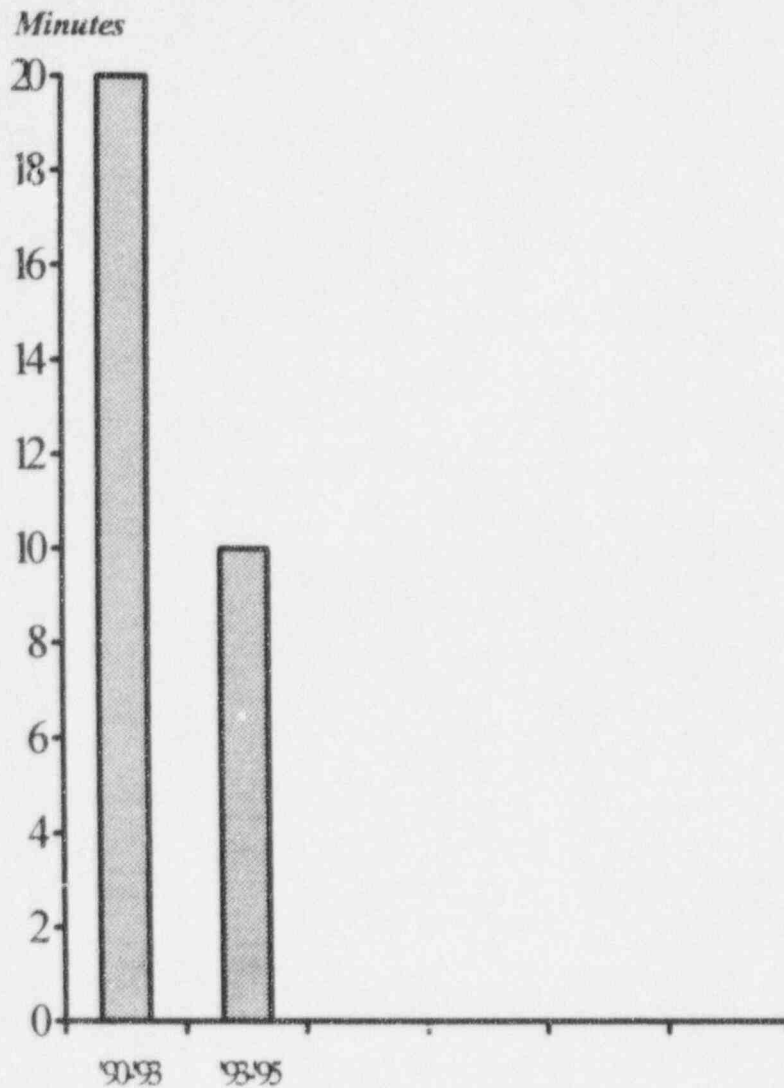
1993/1995 Exercise Results

	<u>1993 Exercise</u>	<u>1995 Exercise</u>
1. Strengths/Very Good/ Excellent	11	13
2. Weaknesses	2	1
3. Improvements/Comments	17	11



Operational Support Center Repair Teams

Response Time Improvement



Elements Demonstrating Waterford's Success

- *10CFR50 30 day submittal process*
- *Control of site vehicles*
- *50.54(q) reviews*
- *Control of dose assessment software*



Summary

