



**Entergy  
Operations**

**Entergy Operations, Inc.**

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ATTACHMENT CONTAINS PERSONAL INFORMATION

**R. P. Barkhurst**

Vice President  
Operations  
Waterford 3

W3F1-92-0422

A4.05

QA

October 14, 1992

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

Subject: Waterford 3 SES  
Docket No 50-382  
License No. NPF-38  
Emergency Plan

Gentlemen:

Enclosed is a copy of Revision 16 of the Waterford 3 Emergency Plan which is submitted in accordance with 10CFR50.54(q). Revision 16 supersedes Revision 15 Change 1 which was filed with the NRC via Entergy Operations, Inc. letter W3F1-91-0815 dated November 20, 1991. This submittal is provided under affidavit per requirements of 10CFR50.

The changes to the Waterford 3 Emergency Plan made by Revision 16 do not decrease the effectiveness of the plan. Furthermore, the plan, as changed, continues to meet the standards of 10CFR50.47(b) and the requirements of Appendix E to 10CFR50. Attached is a summary of Revision 16.

Please note that page I-11 of the Emergency Plan contains a radio frequency which is considered personal information. The single page with the personal information is attached; it is requested that this information be withheld from the public pursuant to 10CFR2.790. The enclosure contains no personal information and may be considered a public copy.

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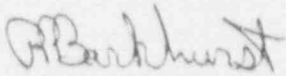
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Emergency Plan  
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Page 2  
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Please contact F.J. Englebracht, Emergency Planning & Administration Manager at (504) 739-6607 should you have any questions concerning the revised Emergency Plan.

Very truly yours,



RPB/CJT/ssf  
Enclosure/Attachments

cc: (w/Enclosure & Attachments)  
J.L. Milhoan, NRC Region IV (2 copies)  
NRC Resident Inspectors Office

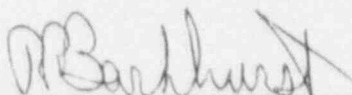
cc: (w/o Enclosure & Attachments)  
D.B. Spitzberg, NRC Region IV  
S.E. Turk, NRC-NRR  
R.B. McGehee  
N.S. Reynolds

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION

In the matter of )  
 )  
Entergy Operations, Incorporated ) Docket No. 50-382  
Waterford 3 Steam Electric Station )

AFFIDAVIT

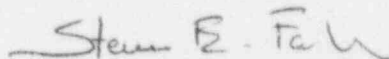
R.P. Barkhurst, being duly sworn, hereby deposes and says that he is Vice President Operations - Waterford 3 of Entergy Operations, Incorporated; that he is duly authorized to sign and file with the Nuclear Regulatory Commission the attached Revision 16 to the Waterford 3 Emergency Plan; that he is familiar with the content thereof; and that the matters set forth therein are true and correct to the best of his knowledge, information and belief.



R.P. Barkhurst  
Vice President Operations - Waterford 3

STATE OF LOUISIANA )  
 ) ss  
PARISH OF ST. CHARLES )

Subscribed and sworn to before me, a Notary Public in and for the Parish and State above named this 14<sup>TH</sup> day of OCTOBER, 1992.



Notary Public

My Commission expires WITH LIFE.

WATERFORD 3 SES EMERGENCY PLAN  
SUMMARY OF REVISION 16

1.0 - GLOSSARY

- 1.1.42 Added Louisiana Office of Emergency Preparedness.
- 1.1.53 Changed definition of Operable/Operability to be consistent with the definition in the Waterford 3 SES Technical Specifications.
- 1.1.72 Site Boundary has been deleted from the Glossary. The definition previously included in this section was not consistent with the Waterford 3 SES Technical Specifications. Since this term is not used in the text of the Emergency Plan, it was deleted.
- 1.2.14 "ECC - Emergency Control Center" was deleted from the list of abbreviations. This acronym has a different meaning in the Waterford 3 SES Technical Specifications. Since this term is not used in the text of the Emergency Plan, it was deleted.
- 1.2.59 Changed "SIS" to "SI" to be consistent with the Waterford 3 SES Technical Specifications.
- 1.2.60 Added "SRD - Self-Reading Dosimeter" to the list of acronyms.

2.0 - APPLICABILITY AND SCOPE

- 2.3 This section has been partially updated to include data from the 1990 Census. Since complete 1990 Census data was not available at the time of this Plan revision, only some of the population numbers were updated. Also the population density maps in this section were not updated due to lack of detailed 1990 Census data. Data collection continues and a complete update incorporating the 1990 Census information will be provided in a subsequent revision of the Emergency Plan.

Fig. 2-6 Updated to indicate that I-310 is now complete to Highway 61 (Airline Highway).

3.0 - EMERGENCY PLANNING PROGRAM SUMMARY

No Changes were made to this Section.

4.0 - CLASSIFICATION OF EMERGENCIES

- 4.1.2 The third paragraph was revised to include the staffing of the Nearsite Emergency Organization at the Alert Classification. This is a change in philosophy made to improve the ability for the Nearsite Emergency Organization to provide timely support to the Onsite Emergency Organization. The "LP&L General Office" was also deleted from this paragraph.

Table 4-1 Added Item 4 under the Unusual Event category. This Initiating Condition Category B was not listed in the previous revision of the Emergency Plan.

Revised Item 3 under the Alert category to be consistent with the initiating conditions in the Emergency Plan Implementing Procedures.

Revised Item 3 under the Site Area Emergency category to be consistent with the initiating conditions in the Emergency Plan Implementing Procedures.

WATERFORD 3 SES EMERGENCY PLAN  
SUMMARY OF REVISION 16

Table 4-1 Added Item 2 to the Unusual Event category. This Initiating Condition Category C was not listed in the previous revision of the Emergency Plan.

Added Item 2 under the Site Area Emergency category. This Initiating Condition was not listed in the previous revision of the Emergency Plan.

Added the word "all" to the first bullet in Item 1 under the General Emergency category to be consistent with the initiating conditions in the Emergency Plan Implementing Procedures.

Table 4-1 Revised Item 5 under Alert and Item 5 under Site Area Emergency. These Category D Initiating Conditions were revised to provide a more conservative response to hurricane conditions.

Table 4-1 Added Category F to incorporate Revision 15 Change 1. This change was implemented to include the initiating conditions for toxic chemical emergencies.

Table 4-3 Revised Item 7. The previously listed accident (steam generator tube rupture with an iodine spike) is no longer analyzed in the Waterford 3 SES FSAR. The new accident (steam generator tube rupture with a loss of offsite power and a pre-existing iodine spike) has been added. A note was added to indicate that the whole body dose is not analyzed for this accident in Chapter 15 of the Waterford 3 SES FSAR.

Table 4-4 Item 3a3 was revised to indicate the correct alarm setpoint.

Table 4-5 Revised the ranges for RCS cold leg temperature and RCS hot leg temperature to reflect both the wide range and narrow range parameters.

Revised the range for Neutron flux and rate of change of power to be consistent with plant instrumentation.

Revised the range for Axial Shape Index and Azimuthal Tilt to indicate that these parameters are normally obtained from the Plant Monitoring Computer.

Added the word "Tank" to Item 8 under Reactivity and Power Distribution Anomalies.

Revised the range for Quench Tank Temperature to be consistent with plant instrumentation.

Revised the range for CTMT pressure wide range to be consistent with plant instrumentation.

WATERFORD 3 SES EMERGENCY PLAN  
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5.0 - ORGANIZATIONAL CONTROL OF EMERGENCIES

- 5.1.1.2 Deleted the Operations Support & Assessments group. Due to reorganization, this group has been eliminated and the personnel and responsibilities incorporated into other departments.
- 5.1.2.2a2 Revised to be consistent with other sections of the Emergency Plan.
- 5.1.2.3.1a Revised Items 1 - 12 to be consistent with the responsibilities section for the Emergency Coordinator. Also added Item 9 to allow the EOF Director to authorize exposure in excess of 10CFR20 limits. This responsibility was solely the responsibility of the Emergency Coordinator in previous revisions.
- 5.3.2.11 Deleted a & b. These responsibilities are now completely under the Department of Transportation and Development.
- 5.3.4.1 Deleted reference to the agreement being provided in Appendix I.
- 5.3.4.2 Deleted reference to the agreement being provided in Appendix I.
- 5.3.4.3 Deleted reference to the agreement being provided in Appendix I.
- 5.3.4.5 Deleted reference to the agreement being provided in Appendix C.
- 5.3.4.6 Deleted reference to the agreement being provided in Appendix C.
- 5.3.4.7 Deleted reference to the agreement being provided in Appendix C.
- 5.3.4.8 Deleted reference to the agreement being provided in Appendix C.
- Fig. 5-1A Due to changes in the Waterford 3 Organization, the Director Operations Support and Assessments, Event Analysis Reporting & Response Manager and Plant Engineering Superintendent have been deleted. Responsibilities of these groups have been incorporated into other departments. Also the Shift Technical Advisors now report to the Technical Services Manager.
- Fig. 5-7 Under the Federal & State Technical Resources, Items 1 and 3 have been revised to reflect changes in the State of Louisiana organization.
- Table 5-4 Revised to reflect that the Control Room Supervisor has the primary responsibility and the Nuclear Auxiliary Operators have secondary responsibility for Fire Brigade.
- Table 5-7 Added the responsibility to authorize exposure in excess of 10CFR20 as a primary responsibility of the EOF Director.
- Table 5-9 Revised to reflect that the Media Monitoring/Response Supervisor has primary responsibility to monitor information broadcasts and the TV Recording Assistant has secondary responsibility.

6.0 - EMERGENCY RESPONSE MEASURES

- 6.2.2.3b2 Added the statement that the Nearsite Emergency Organization shall be staffed at the Alert classification. This is a change in philosophy intended to provide a more timely response of the Nearsite staff.



WATERFORD 3 SES EMERGENCY PLAN  
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- 6.2.2.6d Deleted "Field Response Center". This reflects a change in terminology used by LRPD.
- 6.2.2.6e Deleted "Field Response Center". This reflects a change in terminology used by LRPD.
- 6.2.2.6f Deleted "Field Response Center". This reflects a change in terminology used by LRPD.
- 6.4.3 Deleted "Field Response Center". This reflects a change in terminology used by LRPD.
- 6.6.1.2 In paragraph 6.6.1.2(1c)(2)2, the words "radial sector" have been changed to "predetermined section" to reflect a change in terminology used by LRPD.
- In paragraph 6.6.1.2(2c)1, "FFRT Leader" has been changed to "LRPD Liaison Team Director" to reflect a change in terminology used by LRPD. Also "Field Response Center" has been deleted for the same reason.
- 6.7.1 The second paragraph has been revised to include the EOF Director as having responsibility to authorize exposure in excess of 10CFR20 limits.
- Fig. 6-2 This figure has been revised to reflect the latest revision of the Notification Message Form.

7.0 - EMERGENCY RESPONSE FACILITIES/EQUIPMENT

- 7.2.1 The fourth paragraph has been changed to replace "Field Response Center is located" with "Liaison Team will locate" to reflect a change in the terminology used by LRPD.
- 7.3.3 The second paragraph has been changed to replace "Field Response Center is established" with "establishes liaison" to reflect a change in the terminology used by LRPD.
- 7.4.4 Item b under the seventh paragraph has been changed to reflect a title change for the Department of Agriculture and Forestry.
- Fig. 7-1 Updated to indicate that I-310 is now complete to Highway 61 (Airline Highway). Also corrected the designation of this highway to I-310 instead of I-410.
- Fig. 7-9d Updated to indicate that I-310 is now complete to Highway 61 (Airline Highway). Also labeled this highway.
- Fig. 7-9 Updated to indicate that I-310 is now complete to Highway 61 (Airline Highway). Also labeled this highway.
- Table 7-3 Corrected the range for ARM-IR-5016 and ARM-IP-5031S.
- Table 7-4 Corrected the range for the Containment Atmosphere Monitor Particulate Channel.
- Table 7-5 Corrected the Sensitivity for the Portal Monitors and added Direct Reading Dosimeters with a range of 0 - 10,000 mr.

WATERFORD 3 SES EMERGENCY PLAN  
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Table 7-10 Revised the Circuit Type for the NRC Emergency Notification Network (ENS) to reflect replacing this circuit with the new FTS-2000 government telephone circuit.

8.0 - MAINTENANCE OF EMERGENCY PREPAREDNESS

No changes were made to this Section.

9.0 - RECOVERY

No changes were made to this Section.

APPENDIX A - MUTUAL ASSISTANCE PLAN

No changes were made to this Section.

APPENDIX B - EVACUATION TIME STUDY

No changes were made to this Section.

APPENDIX C - LETTERS OF AGREEMENT

The annual confirmation letters which, under earlier revisions, were included in this Appendix have been removed. They are now maintained in the Emergency Planning Department files. Only the current Letters of Agreement are now included in this Appendix. This has been done to eliminate confusion, since the annual confirmation letters are received at different times of the year.

APPENDIX D - LA. RAD. RESPONSE PLAN

No changes were made to this Section.

APPENDIX E - LOUISIANA PEACETIME RADIOLOGICAL RESPONSE PLAN - ATTACHMENT 1

No changes were made to this Section.

APPENDIX F - MEMO OF UNDERSTANDING

No changes were made to this Section.

APPENDIX G - EMERGENCY RESPONSE EQUIPMENT

OSC EMERGENCY LOCKER:

Replaced the PIC-6A with an RSO-50.

Added 0 - 1.5 R Dosimeters

Replaced Small Yellow Plastic Bags and Large Yellow Plastic Bags with Radioactive Material Bags.

TSC EMERGENCY KIT LOCKER:

Replaced the PIC-6A with an RSO-50.



WATERFORD 3 SES EMERGENCY PLAN  
SUMMARY OF REVISION 16

FIELD MONITORING KITS:

Added 0 - 10 R Dosimeters

EOF EMERGENCY LOCKER:

Replaced the PIC-6A with an RSO-50.

Replaced Yellow Plastic Bags with Radioactive Material Bags.

PERSONNEL DECON KITS

Deleted UNT-7-018.

HEALTH PHYSICS AMBULANCE KIT

Replaced Yellow Bags with Radioactive Material Bags.

APPENDIX H - PROCEDURE CROSS REFERENCE

No changes were made to this Section.

APPENDIX I - EMERGENCY MEDICAL ASSISTANCE PROGRAM

The annual confirmation letters which, in earlier revisions, resided in this Appendix have been removed. These letters are now maintained in the Emergency Planning Department Files. Only the current Letters of Agreement are included in this Appendix.

APPENDIX J - NUREG 0654 CROSS REFERENCE

No changes were made to this Section.

## WATERFORD 3 SES EMERGENCY PLAN

### 5.3.5.3 (cont.)

radio system (regional hospital disaster Channel [155.340 MHz]\*).

### 5.3.6 Support Hospital

#### 5.3.6.1 Selection of Support Hospital

Depending upon the severity of injury/illness, the number of affected individuals, and the presence and degree of radiation contamination/overexposure, the Waterford 3 Emergency Coordinator determines patient(s) destination.

#### 5.3.6.2 Hospital Notifications

Support hospitals receive prior notification of patients being transported to their emergency departments for emergency medical care. Notification includes:

- a. Number of patients;
- b. Number of radioactively contaminated/injured patients;
- c. Type/degree of radioactive contamination or overexposure;
- d. Assessment of injury/illness type and severity;
- e. Method of emergency medical transportation to be utilized; and
- f. Estimated time of arrival.

\* THE MATERIAL CONTAINED WITHIN BRACKETS [ ] IS PROPRIETARY AND PRIVATE INFORMATION.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

12/3/92

*Packet No. 50-382  
Waterford*

MEMORANDUM FOR: Chief, Document Control Branch, IRM  
FROM: Director, Division of Freedom of Information and  
Publications Services, ADM  
SUBJECT: REVIEW OF UTILITY EMERGENCY PLAN DOCUMENTATION

The Division of Freedom of Information and Publications Services has reviewed the attached document and has determined that it may now be made publicly available.

*Donnie H. Grimsley*  
Donnie H. Grimsley, Director  
Division of Freedom of Information  
and Publications Services  
Office of Administration

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