



Entergy Nuclear Southwest
Entergy Operations, Inc.
17265 River Road
Killona, LA 70066-0751
Tel 504 739 6475
Fax 504 739 6698
aharris@entergy.com

Alan J. Harris
Director, Nuclear Safety Assurance
Waterford 3

W3F1-2001-0039
A4.05
PR

August 21, 2001

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 Implementing Procedures

Gentlemen:

Entergy is submitting revised "Table of Contents" pages to several Waterford 3 Emergency Plan Implementing Procedures and a Training Manual Procedure. These revised pages are due to an effort to identify usage level classification for all of Waterford 3 procedures. These revised pages do not change the content of the procedures, but simply clarify the usage as "Reference Use" or "Informational Use".

This letter does not contain any commitments.

Included in this submittal are the following procedures:

1. EP-001-001 (Revision 19), Recognition and Classification of Emergency Conditions
2. EP-001-010 (Revision 22), Unusual Event
3. EP-001-020 (Revision 25), Alert
4. EP-001-030 (Revision 24), Site Area Emergency
5. EP-001-040 (Revision 25), General Emergency
6. EP-002-015 (Revision 7), Emergency Responder Activation
7. EP-002-030 (Revision 8), Emergency Radiation Exposure Guidelines and Controls
8. EP-002-031 (Revision 7), In-Plant Radiological Controls and Surveys During Emergencies
9. EP-002-032 (Revision 12), Monitoring and Decontamination

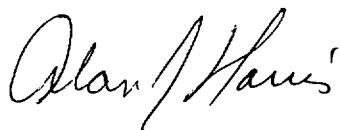
A045

10. EP-002-033 (Revision 9), Administration of Iodine Blocking Agents
11. EP-002-034 (Revision 5), Onsite Surveys During Emergencies
12. EP-002-051 (Revision 9), Offsite Dose Assessment (Computerized)
13. EP-002-052 (Revision 17), Protective Action Guidelines
14. EP-002-071 (Revision 16), Site Protective Measures
15. EP-002-081 (Revision 7), Search and Rescue
16. EP-002-090 (Revision 7), Core Damage Assessment
17. EP-002-091 (Revision 8), Emergency Chemistry
18. EP-002-101 (Revision 24), Operational Support Center (OSC) Activation, Operation and Deactivation
19. EP-002-102 (Revision 26), Emergency Operation Facility (EOF) Activation, Operation and Deactivation
20. EP-002-130 (Revision 18), Emergency Team Assignments
21. EP-002-140 (Revision 6), Reentry
22. EP-002-150 (Revision 11), Emergency Plan Implementing Records
23. EP-002-170 (Revision 10), Recovery
24. EP-002-190 (Revision 16), Personnel Accountability
25. EP-003-050 (Revision 15), Emergency Organization Documentation and Control
26. EP-004-010 (Revision 7), Toxic Chemical Contingency Procedure
27. EP-004-015 (Revision 3), Offsite Personnel Staging During a Toxic Chemical Emergency
28. EP-004-020 (Revision 6), Backup EOF Operation During a Toxic Chemical Emergency
29. NTP-203 (Revision 4), Emergency Plan Training

Emergency Plan Implementing Procedures
W3F1-2001-0039
Page 3
August 21, 2001

Please replace these pages in your existing procedure copies. Should you have any questions concerning these procedures, please contact Mr. J.J. Lewis, Emergency Planning Manager, at (504) 739-6624.

Very truly yours,



A.J. Harris
Director,
Nuclear Safety Assurance

AJH/DCM/cbh
Enclosures

cc: (w/Enclosures)
E.W. Merschoff, NRC Region IV (2 copies)

(w/o Enclosures)
N. Kalyanam (NRC-NRR)
W.A. Maier (NRC Region IV)
J. Smith
N.S. Reynolds
NRC Resident Inspectors Office

**ENCLOSURE TO
W3F1-2001-0039**

EP-001-001 (Revision 19), Recognition and Classification of Emergency Conditions
 EP-001-010 (Revision 22), Unusual Event
 EP-001-020 (Revision 25), Alert
 EP-001-030 (Revision 24), Site Area Emergency
 EP-001-040 (Revision 25), General Emergency
 EP-002-015 (Revision 7), Emergency Responder Activation
EP-002-030 (Revision 8), Emergency Radiation Exposure Guidelines and Controls
EP-002-031 (Revision 7), In-Plant Radiological Controls and Surveys During Emergencies
 EP-002-032 (Revision 12), Monitoring and Decontamination
 EP-002-033 (Revision 9), Administration of Iodine Blocking Agents
 EP-002-034 (Revision 5), Onsite Surveys During Emergencies
 EP-002-051 (Revision 9), Offsite Dose Assessment (Computerized)
 EP-002-052 (Revision 17), Protective Action Guidelines
 EP-002-071 (Revision 16), Site Protective Measures
 EP-002-081 (Revision 7), Search and Rescue
 EP-002-090 (Revision 7), Core Damage Assessment
 EP-002-091 (Revision 8), Emergency Chemistry
EP-002-101 (Revision 24), Operational Support Center (OSC) Activation, Operation
 and Deactivation
 EP-002-102 (Revision 26), Emergency Operation Facility (EOF) Activation,
 Operation and Deactivation
 EP-002-130 (Revision 18), Emergency Team Assignments
 EP-002-140 (Revision 6), Reentry
 EP-002-150 (Revision 11), Emergency Plan Implementing Records
 EP-002-170 (Revision 10), Recovery
 EP-002-190 (Revision 16), Personnel Accountability
EP-003-050 (Revision 15), Emergency Organization Documentation and Control
 EP-004-010 (Revision 7), Toxic Chemical Contingency Procedure
EP-004-015 (Revision 3), Offsite Personnel Staging During a Toxic Chemical
 Emergency
 EP-004-020 (Revision 6), Backup EOF Operation During a Toxic Chemical
 Emergency
 NTP-203 (Revision 4), Emergency Plan Training

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	3
4.0 INITIATING CONDITIONS	4
5.0 PROCEDURE	5
5.1 Definitions	5
5.2 Classification	6
6.0 FINAL CONDITIONS	8
7.0 ATTACHMENTS	8
7.1 Emergency Categories	9
8.0 RECORDS	8

LIST OF EFFECTIVE PAGES

1-8	Revision 19
10-27	Revision 18
9	Revision 17

1.0 PURPOSE

- 1.1 This procedure describes the immediate actions to be taken to recognize and classify the four emergency classifications: Unusual Event, Alert, Site Area Emergency, and General Emergency.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 Title 10, Code of Federal Regulations Part 50, Appendix E
- 2.3 NUREG-0654/FEMA-REP-1, Criteria for Preparation and Evaluation
of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants
- 2.4 Waterford 3 SES Final Safety Analysis Report
- 2.5 EP-001-010, Unusual Event
- 2.6 EP-001-020, Alert
- 2.7 EP-001-030, Site Area Emergency
- 2.8 EP-001-040, General Emergency
- 2.9 EP-002-015, Emergency Responder Activation
- 2.10 EP-002-052, Protective Action Guidelines
- 2.11 EP-002-150, Emergency Plan Implementing Records
- 2.12 Waterford 3 Emergency Action Level Basis Document
- 2.13 NUMARC/NESP-007, Methodology for Development of Emergency Action Levels
- 2.14 NUREG-1022, Event Reporting Guidelines: 10CFR50.72 and 50.73
- 2.15 UNT-006-010, Event Notification and Reporting

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	3
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 Emergency Organization Activation	4
5.2 Announcement(s) to Station Personnel	5
5.3 Duty Plant Manager Notification	6
5.4 Offsite Notifications	7
5.5 Accountability/Other Response Actions	7
5.6 Event Reclassification	7
5.7 Event Termination	8
6.0 FINAL CONDITIONS	9
7.0 ATTACHMENTS	9
7.1 Procedure Reference for Additional Response Guidelines	10
7.2 Emergency Coordinator's Close-Out Checklist	11
8.0 RECORDS	9

LIST OF EFFECTIVE PAGES

1-9	Revision 22
11	Revision 12
10	Revision 7

Reference Use¹

1.0 PURPOSE

- 1.1 To outline the actions to be taken for an emergency condition at the Unusual Event level.

NOTE

The normal on-shift complement of personnel is considered sufficient to respond to an Unusual Event. Activation of other Entergy Operations, Inc./Entergy Louisiana emergency organizations is optional.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-001-001, Recognition and Classification of Emergency Conditions
- 2.3 Emergency Management Resources Book
- 2.4 EP-001-020, Alert
- 2.5 EP-001-030, Site Area Emergency
- 2.6 EP-001-040, General Emergency
- 2.7 EP-002-010, Notifications and Communications
- 2.8 EP-002-015, Emergency Responder Activation
- 2.9 EP-002-031, In-Plant Radiological Controls and Surveys During Emergencies
- 2.10 EP-002-100, Technical Support Center (TSC) Activation, Operation and Deactivation
- 2.11 EP-002-101, Operational Support Center (OSC) Activation, Operation and Deactivation
- 2.12 EP-002-150, Emergency Plan Implementing Records
- 2.13 EP-002-170, Recovery
- 2.14 EP-002-190, Personnel Accountability
- 2.15 FP-001-020, Fire Emergency/Fire Report
- 2.16 NRC I&E Notice 89-89
- 2.17 UNT-007-018, First Aid and Medical Care

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	3
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 Emergency Organization Activation	4
5.2 Announcement(s) to Station Personnel	5
5.3 Consideration of Site Protective Measures	5
5.4 Duty Plant Manager Notification	6
5.5 Offsite Notifications	7
5.6 Emergency Response Data System (ERDS) Activation	7
5.7 Accountability	7
5.8 Other Response Actions	7
5.9 Event Reclassification	8
5.10 Event Termination	9
6.0 FINAL CONDITIONS	10
7.0 ATTACHMENTS	10
7.1 Procedure Reference for Additional Response Guidelines	11
7.2 Emergency Coordinator's Close-Out Checklist	12
7.3 Activation/Deactivation of the Emergency Response Data System (ERDS)	13
8.0 RECORDS	10

LIST OF EFFECTIVE PAGES

1-10	Revision 25
13,14,15	Revision 21
12	Revision 11
11	Revision 9

¹
Reference Use

1.0 PURPOSE

- 1.1 To outline the actions to be taken for an emergency condition at the Alert Level.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-001-001, Recognition and Classification of Emergency Conditions
- 2.3 EP-001-010, Unusual Event
- 2.4 EP-001-030, Site Area Emergency
- 2.5 EP-001-040, General Emergency
- 2.6 EP-002-010, Notifications and Communications
- 2.7 EP-002-015, Emergency Responder Activation
- 2.8 EP-002-031, In-Plant Radiological Controls and Surveys During Emergencies
- 2.9 EP-002-050, Offsite Dose Assessment (Manual)
- 2.10 EP-002-051, Offsite Dose Assessment (Computerized)
- 2.11 EP-002-052, Protective Action Guidelines
- 2.12 EP-002-060, Radiological Field Monitoring
- 2.13 EP-002-100, Technical Support Center (TSC) Activation, Operation and Deactivation
- 2.14 EP-002-101, Operational Support Center (OSC) Activation, Operation and Deactivation
- 2.15 EP-002-150, Emergency Plan Implementing Records
- 2.16 Emergency Management Resources Book
- 2.17 EP-002-034, Onsite Surveys During Emergencies
- 2.18 EP-001-020, Fire Emergency/Fire Report
- 2.19 EP-002-170, Recovery
- 2.20 EP-002-190, Personnel Accountability
- 2.21 UNT-007-018, First Aid and Medical Care
- 2.22 EP-002-071, Site Protective Measures
- 2.23 EP-002-130, Emergency Team Assignments
- 2.24 PS-016-102, Security Response to Plant Emergency Conditions
- 2.25 NRC I&E Notice 89-89

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	3
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 Emergency Organization Activation	4
5.2 Site Evacuation/Announcement(s) to Station Personnel	5
5.3 Duty Plant Manager Notification	7
5.4 Offsite Notifications	8
5.5 Emergency Response Data System (ERDS) Activation	8
5.6 Accountability	8
5.7 Other Response Actions	9
5.8 Event Reclassification	9
5.9 Event Termination	10
6.0 FINAL CONDITIONS	11
7.0 ATTACHMENTS	11
7.1 Procedure References for Additional Response Guidelines	12
7.2 Emergency Coordinator's Close-Out Checklist	13
7.3 Activation/Deactivation of the Emergency Response Data System (ERDS)	14
8.0 RECORDS	11

LIST OF EFFECTIVE PAGES

1-11	Revision 24
14,15,16	Revision 21
13	Revision 11
12	Revision 8

1.0 PURPOSE

- 1.1 To outline the actions to be taken for an emergency condition at the Site Area Emergency level.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-001-001, Recognition and Classification of Emergency Conditions
- 2.3 Emergency Management Resources Book
- 2.4 EP-001-010, Unusual Event
- 2.5 EP-001-020, Alert
- 2.6 EP-001-040, General Emergency
- 2.7 EP-002-010, Notifications and Communications
- 2.8 EP-002-015, Emergency Responder Activation
- 2.9 EP-002-031, In-Plant Radiological Controls and Surveys During Emergencies
- 2.10 EP-002-050, Offsite Dose Assessment (Manual)
- 2.11 EP-002-051, Offsite Dose Assessment (Computerized)
- 2.12 EP-002-060, Radiological Field Monitoring
- 2.13 EP-002-071, Site Protective Measures
- 2.14 EP-002-100, Technical Support Center (TSC) Activation, Operation and Deactivation
- 2.15 EP-002-101, Operational Support Center (OSC) Activation, Operation and Deactivation
- 2.16 EP-002-150, Emergency Plan Implementing Records
- 2.17 EP-002-052, Protective Action Guidelines
- 2.18 EP-002-130, Emergency Team Assignments
- 2.19 EP-002-034, Onsite Surveys During Emergencies
- 2.20 FP-001-020, Fire Emergency/Fire Report
- 2.21 UNT-007-018, First Aid and Medical Care
- 2.22 EP-002-170, Recovery
- 2.23 EP-002-190, Personnel Accountability
- 2.24 PS-016-102, Security Response to Plant Emergency Conditions
- 2.25 NRC I&E Notice 89-89

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	3
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 Emergency Organization Activation	4
5.2 Site Evacuation/Announcement(s) to Station Personnel	5
5.3 Duty Plant Manager Notification	7
5.4 Offsite Notifications	8
5.5 Emergency Response Data System (ERDS) Activation	8
5.6 Accountability	8
5.7 Other Response Actions	9
5.8 Event Reclassification	9
5.9 Event Termination	10
6.0 FINAL CONDITIONS	11
7.0 ATTACHMENTS	11
7.1 Procedure References for Additional Response Guidelines	12
7.2 Emergency Coordinator's Close-Out Checklist	13
7.3 Activation/Deactivation of the Emergency Response Data System (ERDS)	14
8.0 RECORDS	11

LIST OF EFFECTIVE PAGES

1-11	Revision 25
14,15,16	Revision 20
13	Revision 10
12	Revision 8

1.0 PURPOSE

- 1.1 To outline the actions to be taken for an emergency condition at the General Emergency level.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-001-001, Recognition and Classification of Emergency Conditions
- 2.3 Emergency Management Resources Book
- 2.4 EP-001-010, Unusual Event
- 2.5 EP-001-020, Alert
- 2.6 EP-001-030, Site Area Emergency
- 2.7 EP-002-010, Notifications and Communications
- 2.8 EP-002-015, Emergency Responder Activation
- 2.9 EP-002-031, In-Plant Radiological Controls and Surveys During Emergencies
- 2.10 EP-002-050, Offsite Dose Assessment (Manual)
- 2.11 EP-002-051, Offsite Dose Assessment (Computerized)
- 2.12 EP-002-052, Protective Action Guidelines
- 2.13 EP-002-060, Radiological Field Monitoring
- 2.14 EP-002-071, Site Protective Measures
- 2.15 EP-002-100, Technical Support Center (TSC) Activation, Operation and Deactivation
- 2.16 EP-002-101, Operational Support Center (OSC) Activation, Operation and Deactivation
- 2.17 EP-002-150, Emergency Plan Implementing Records
- 2.18 EP-002-034, Onsite Surveys During Emergencies
- 2.19 FP-001-020, Fire Emergency/Fire Report
- 2.20 UNT-007-018, First Aid and Medical Care
- 2.21 EP-002-170, Recovery
- 2.22 EP-002-190, Personnel Accountability
- 2.23 PS-016-102, Security Response to Plant Emergency Conditions
- 2.24 EP-002-130, Emergency Team Assignments
- 2.25 NRC I&E Notice 89-89

TABLE OF CONTENTS

1.0	PURPOSE/SCOPE	3
2.0	REFERENCES	3
3.0	RESPONSIBILITIES	3
4.0	INITIATING CONDITIONS	3
5.0	PROCEDURE	4
5.1	Voice Notification System (VNS) activation	4
5.1.1	Activation from the VNS Terminal	4
5.1.2	Activation from the Telephone	6
5.2	Completing a Voice Notification System Scenario	10
5.2.1	From the VNS Terminal	10
5.2.2	From the Telephone	11
5.3	Backup Method for Activation of the Technical Support Center (TSC)/Operational Support Center (OSC) (Onsite) Emergency Response Organization	13
6.0	FINAL CONDITIONS	13
7.0	ATTACHMENTS	13
7.1	VNS Quick Reference Sheet	14
8.0	RECORDS	13

LIST OF EFFECTIVE PAGES

1-13	Revision 7
14	Revision 7

LIST OF PAGES CONTAINING PROPRIETARY INFORMATION

4, 6, 10, 11, 14

Informational Use

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	2
4.0 INITIATING CONDITIONS	2
5.0 PROCEDURE	3
5.1 Radiation Exposure In Excess of 10CFR20 Limits	3
5.2 Guidelines For Emergency Exposure	4
5.3 Eligible Emergency Team Members	5
5.4 Emergency Exposure Authorization Form Guidelines	6
6.0 FINAL CONDITIONS	8
7.0 ATTACHMENTS	8
7.1 Emergency Exposure Authorization Form	9
7.2 10CFR20 Limits	12
8.0 RECORDS	8

LIST OF EFFECTIVE PAGES

1-8	Revision 8
9-11	Revision 6
12	Revision 4

1.0 PURPOSE

- 1.1 To provide guidelines and administrative controls for radiation exposures in excess of 10CFR20 limits during life saving or accident-mitigating activities.

2.0 REFERENCES

- 2.1 Waterford-3 SES Emergency Plan
- 2.2 Title 10, Code of Federal Regulations, Part 20, Standards for Protection Against Radiation
- 2.3 EPA 400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents
- 2.4 RP-101, Prenatal Exposure Policy

3.0 RESPONSIBILITIES

- 3.1 The Emergency Coordinator is responsible for ensuring that the actions outlined in this procedure are carried out.
- 3.2 At such time that the Emergency Operations Facility (EOF) is staffed, the EOF Director shall be responsible for implementation of this procedure for EOF personnel.

4.0 INITIATING CONDITIONS

- 4.1 This procedure is to be initiated upon reaching the following condition:
 - 4.1.1 Emergency response actions to perform life saving or accident-mitigating functions are expected to result in radiation exposures in excess of the 10CFR20 limits. 10CFR20 limits are provided for reference in Attachment 7.2, 10CFR20 Limits.

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	2
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 General Instructions	4
5.2 Guidelines for Entry into Potential or Real Radiological Hazard Areas During an Emergency	4
5.3 Access Control	5
5.4 Health Physics Control Point Operations	6
5.5 Radiation Work Permits	7
5.6 Respiratory Protection	8
5.7 Bioassay Program	8
5.8 Radiological Surveys	9
5.9 Availability of Health Physics Technicians	10
5.10 Radiological Instrumentation	11
5.11 Onsite Surveys	11
5.12 Requests for Assistance	11
6.0 FINAL CONDITIONS	12
7.0 ATTACHMENTS	12
None	
8.0 RECORDS	12
None	

LIST OF EFFECTIVE PAGES

1-12

Revision 7

1
Informational Use

1.0 PURPOSE

- 1.1 To provide guidelines for the implementation of the in-plant radiological controls program during emergency conditions, which should ensure the protection of Waterford 3 emergency workers while performing emergency maintenance or operations activities.

2.0 REFERENCES

- 2.1 EP-002-030, Emergency Radiation Exposure Guidelines and Controls
- 2.2 EP-002-032, Monitoring and Decontamination
- 2.3 EP-002-034, Onsite Surveys During Emergencies
- 2.4 EP-002-101, Operational Support Center (OSC) Activation, Operation and Deactivation
- 2.5 EP-002-130, Emergency Team Assignments
- 2.6 EP-003-040, Emergency Equipment Inventory
- 2.7 CE-003-539, Air Sample Analysis and Evaluation
- 2.8 HP-001-110, Radiation Work Permits
- 2.9 HP-002-201, Radiological Survey Techniques and Frequency
- 2.10 HP-002-215, Airborne Survey Techniques
- 2.11 HP-002-300 Series of Procedures, Instrument Operation

3.0 RESPONSIBILITIES

- 3.1 The Health Physics Coordinator or the Radiological Controls Coordinator is responsible for implementing this procedure.

TABLE OF CONTENTS

1.0	PURPOSE	2
2.0	REFERENCES	2
3.0	RESPONSIBILITIES	2
4.0	INITIATING CONDITIONS	3
5.0	PROCEDURE	4
5.1	Onsite Personnel Monitoring and Decontamination	4
5.2	Offsite Personnel Monitoring and Decontamination	5
5.3	Vehicle Monitoring and Decontamination	6
5.4	Area and Equipment Decontamination	8
6.0	FINAL CONDITIONS	9
7.0	ATTACHMENTS	9
7.1	Vehicle Decontamination Record	10
8.0	RECORDS	9

LIST OF EFFECTIVE PAGES

1-9	Revision 12
10	Revision 6

¹
Informational Use

1.0 PURPOSE

- 1.1 To provide guidance and instruction for the decontamination of Waterford 3 personnel, vehicles, areas and equipment
- 1.2 To provide guidance and instruction for the documentation and follow-up on those contamination incidents during emergencies when the normal plant Health Physics procedures can no longer be effectively implemented.

2.0 REFERENCES

- 2.1 EP-002-031, In-Plant Radiological Controls and Surveys During Emergencies
- 2.2 EP-002-150, Emergency Plan Implementing Records
- 2.3 EP-003-040, Emergency Equipment Inventory
- 2.4 Emergency Management Resources Book
- 2.5 HP-002-704, Personnel Decontamination
- 2.6 HP-001-220, Bioassay Program
- 2.7 HP-001-219, Radiological Posting Requirements
- 2.8 HP-002-201, Radiological Survey Techniques and Frequency
- 2.9 HP-001-152, Labeling, Handling and Storage of Radioactive Material

3.0 RESPONSIBILITIES

- 3.1 The Radiological Controls Coordinator is responsible for ensuring the implementation of this procedure and for advising the Operational Support Center (OSC) Supervisor on the status of contaminated personnel and vehicles. The assigned Decontamination Supervisor(s) is/are responsible for implementing the procedure.

1.0	PURPOSE	2
2.0	REFERENCES	2
3.0	RESPONSIBILITIES	2
4.0	INITIATING CONDITIONS	2
5.0	PROCEDURE	3
5.1	Assessing the Need to Issue potassium iodide (KI)	3
5.2	KI Issuance Requirements	3
5.3	Distribution of KI	4
5.4	Guidelines for the Administration of KI	5
6.0	FINAL CONDITIONS	6
7.0	ATTACHMENTS	6
7.1	Thyroid Committed Dose Equivalent Graph	8
7.2	KI Issue Record	10
7.3	Potassium Iodide Administration Form	12
7.4	Potassium Iodide Precaution Leaflet	14
7.5	Waterford 3 Medical Questionnaire: Iodine Sensitivity	15
8.0	RECORDS	7

LIST OF EFFECTIVE PAGES

1-7	Revision 9
12, 13	Revision 7
14, 15	Revision 6
8-11	Revision 5

1.0 PURPOSE

- 1.1 To provide guidelines on the administration of potassium KI to station personnel to minimize uptake in the thyroid gland.

2.0 REFERENCES

- 2.1 EPA 400-R-92-001, Manual of Protective Action Guides and Protective Actions for Nuclear Incidents
- 2.2 Patient Package Insert for Commercial Packaged Potassium Iodide
- 2.3 EP-002-150, Emergency Plan Implementing Records

3.0 RESPONSIBILITIES

- 3.1 The Health Physics Coordinator (HPC)/Radiological Assessment Coordinator (RAC) is responsible for the implementation of this procedure.
- 3.2 The Emergency Coordinator (EC) is responsible for authorizing the administration of KI for plant personnel.
- 3.3 The EOF Director is responsible for authorizing the administration of KI for EOF personnel.

4.0 INITIATING CONDITIONS

- 4.1 This procedure should be initiated whenever a dose commitment of 25 rem CDE or greater for the thyroid is likely to be received by an individual.

TABLE OF CONTENTS

1.0	PURPOSE	2
2.0	REFERENCES	2
3.0	RESPONSIBILITIES	2
4.0	INITIATING CONDITIONS	3
5.0	PROCEDURE	4
5.1	Surveys to Determine Conditions in Occupied Areas	4
5.2	Surveys to Determine Site Conditions	5
6.0	FINAL CONDITIONS	6
7.0	ATTACHMENTS	6
7.1	Onsite Survey Map	7
8.0	RECORDS	6

LIST OF EFFECTIVE PAGES

1-7

Revision 5

1.0 PURPOSE

- 1.1 To provide guidance and instruction on the conduct of radiological surveys onsite (out of plant) during emergency conditions.

2.0 REFERENCES

- 2.1 EP-002-030, Emergency Radiation Exposure Guidelines and Controls
- 2.2 EP-002-032, Monitoring and Decontamination
- 2.3 EP-002-101, Operational Support Center (OSC) Activation, Operation, and Deactivation
- 2.4 EP-002-102, Emergency Operations Facility (EOF) Activation, Operation, and Deactivation
- 2.5 EP-002-031, In-Plant Radiological Controls and Surveys During Emergencies
- 2.6 EP-002-130, Emergency Team Assignments
- 2.7 EP-003-040, Emergency Equipment Inventory
- 2.8 HP-001-110, Radiation Work Permits
- 2.9 HP-002-201, Radiological Survey Techniques and Frequency
- 2.10 HP-002-215, Airborne Survey Techniques
- 2.11 CE-003-539, Air Sample Analysis and Evaluation
- 2.12 HP-002-300 Series of Procedures, Instrument Operation
- 2.13 EP-002-060, Radiological Field Monitoring

3.0 RESPONSIBILITIES

- 3.1 The Health Physics Coordinator or Radiological Controls Coordinator is responsible for implementing this procedure.

TABLE OF CONTENTS

1.0	PURPOSE	2
2.0	REFERENCES	2
3.0	RESPONSIBILITIES	2
4.0	INITIATING CONDITIONS	3
5.0	PROCEDURE	4
5.1	Equipment Startup	4
5.2	Dose Assessment	4
6.0	FINAL CONDITIONS	8
7.0	ATTACHMENTS	8
	NONE	8
8.0	RECORDS	8
	NONE	8

LIST OF EFFECTIVE PAGES

1-8

Revision 9

¹
Informational Use

1.0 PURPOSE

NOTE

Control Room personnel use Attachment 7.1 of EP-002-050 (either Personal Computer or Nomogram drawing section) to estimate offsite doses. This is a very conservative method and should only be used by Control Room personnel in the initial stages of an event.

- 1.1 To provide a method for projecting offsite doses following a major accidental release of radioactive material, for recommending offsite protective actions, and for long-term continuous updating of the offsite doses using the dose assessment computer program.

2.0 REFERENCES

- 2.1 EP-002-050, Offsite Dose Assessment (Manual)
- 2.2 Waterford 3 Final Safety Analysis Report (FSAR)
- 2.3 Waterford 3 Environmental Report (ER)

3.0 RESPONSIBILITIES

- 3.1 The Radiological Assessment Coordinator, Dose Assessment Coordinator, Field Team Controller, or Health Physics Coordinator is responsible for implementing this procedure.

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	2
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 General Guidelines	4
5.2 Worksheet Selection	5
5.3 Evaluation of Dose Projection Information	6
5.4 PARs Beyond the Plume Emergency Planning Zone (EPZ)	7
6.0 FINAL CONDITIONS	8
7.0 ATTACHMENTS	8
7.1 Protective Actions Based on General Emergency Classification	9
7.2 Protective Action Guidelines Worksheet, Release Occurring	10
7.3 Affected Compass Sectors/Protective Response Areas Chart	11
7.4 Protective Response Areas	12
8.0 RECORDS	8

LIST OF EFFECTIVE PAGES

1-8	Revision 17
10	Revision 13
9	Revision 12
11	Revision 10
12	Revision 6

Informational Use

1.0 PURPOSE

- 1.1 To provide guidance for protective action decision-making with respect to the EPA Protective Action Guidelines (PAGs) and those severe conditions where potential hazards exist but dose projections are not required nor any release in progress.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EPA-400-R-92-001, Manual of Protective Action Guides and Protective Actions For Nuclear Incidents
- 2.3 EP-001-001, Recognition and Classification of Emergency Conditions
- 2.4 EP-002-010, Notifications and Communications
- 2.5 EP-002-050, Offsite Dose Assessment (Manual)
- 2.6 EP-002-051, Offsite Dose Assessment (Computerized)
- 2.7 EP-002-090, Core Damage Assessment
- 2.8 NUREG-0654 Appendix 1 - Example Initiating Conditions - General Emergency
- 2.9 USNRC Response Technical Manual

3.0 RESPONSIBILITIES

- 3.1 The Emergency Coordinator or EOF Director (upon activation of the EOF) is responsible for making protective action recommendations to offsite agencies. This responsibility shall not be delegated.
- 3.2 The Emergency Coordinator or designee is responsible for the implementation of this procedure.
 - 3.2.1 Upon activation of the Emergency Operations Facility (EOF), this responsibility shall be transferred to the EOF Director or his designee.

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	2
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 Site Evacuation	4
5.2 Accountability	8
5.3 Assembly Area Supervisor Actions/Checklist	9
6.0 FINAL CONDITIONS	11
7.0 ATTACHMENTS	11
7.1 Onsite Evacuation Routes	12
7.2 Assembly Area Sheet	13
7.3 Site Evacuation Route	14
7.4 Backup OSC	15
7.5 Assembly Area Supervisor Radio Switch Positions	16
8.0 RECORDS	11

LIST OF EFFECTIVE PAGES

1-11	Revision 16
16	Revision 13
12,15	Revision 10
14	Revision 8
13	Revision 5

LIST OF PAGES CONTAINING PROPRIETARY INFORMATION

1.0 PURPOSE

- 1.1 This procedure provides guidance to the Emergency Coordinator/Emergency Operations Facility (EOF) Director for a site evacuation if a Site Area Emergency (SAE) or General Emergency (GE) has not been declared.
- 1.2 This procedure provides instructions for the Assembly Area Supervisor in the performance of their duties.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-002-010, Notifications and Communications
- 2.3 EP-001-020, Alert
- 2.4 EP-001-030, Site Area Emergency
- 2.5 EP-001-040, General Emergency
- 2.6 PS-016-102, Security Response to Plant Emergency Conditions
- 2.7 EP-002-190, Personnel Accountability
- 2.8 EP-002-032, Monitoring and Decontamination
- 2.9 FP-001-020, Fire Emergency/Fire Report

3.0 RESPONSIBILITIES

- 3.1 The Emergency Coordinator/EOF Director is responsible for implementing this Procedure.
- 3.2 The Assembly Area Supervisor is responsible for completing those activities listed in Section 5.3 of this procedure.

TABLE OF CONTENTS

1.0 PURPOSE -----2

2.0 REFERENCES -----2

3.0 RESPONSIBILITIES -----2

4.0 INITIATING CONDITIONS -----3

5.0 PROCEDURE -----4

5.1 Operational Support Center (OSC) Supervisor Actions -----4

5.2 Search and Rescue Team Leader Emergency Actions -----6

6.0 FINAL CONDITIONS -----8

7.0 ATTACHMENTS -----8

8.0 RECORDS -----8

LIST OF EFFECTIVE PAGES

1-8 Revision 7

1.0 PURPOSE

- 1.1 To provide guidance to the Operational Support Center Supervisor and Search and Rescue Team Leaders for the search and rescue of personnel who may be missing, trapped, or injured.

2.0 REFERENCES

- 2.1 EP-002-030, Emergency Radiation Exposure Guidelines and Controls
- 2.2 EP-002-031, In-Plant Radiological Controls and Surveys During Emergencies
- 2.3 EP-002-032, Monitoring and Decontamination
- 2.4 EP-002-101, Operational Support Center (OSC) Activation, Operation and Deactivation
- 2.5 EP-002-130, Emergency Team Assignments
- 2.6 EP-002-150, Emergency Plan Implementing Records
- 2.7 EP-002-190, Personnel Accountability
- 2.8 UNT-007-017, Confined Space Entry
- 2.9 UNT-007-018, First Aid and Medical Care

3.0 RESPONSIBILITIES

- 3.1 The OSC Supervisor and the Search and Rescue Team Leader are responsible for implementing the appropriate steps of this procedure.
- 3.2 The Emergency Coordinator has overall responsibility for assembling the Search and Rescue Team.

TABLE OF CONTENTS

1.0 PURPOSE	3
2.0 REFERENCES	3
3.0 RESPONSIBILITIES	4
4.0 INITIATING CONDITIONS	4
5.0 PROCEDURE	5
5.1 Preparation For Calculations	5
5.2 Core Damage Assessment Calculation Methods	6
6.0 FINAL CONDITIONS	8
7.0 ATTACHMENTS	8
7.1 Characteristics of NRC Categories of Fuel Damage	9
7.2 Target Isotope Data	12
7.3 Sample Locations Appropriate for Core Damage Assessment	14
7.4 Core Damage Assessment Data Sheet	16
7.5 Core Damage Assessment Using EP-002-090 Computer Code	18
7.6 Core Damage Assessment Using Core Exit Thermocouples	21
7.7 Core Damage Assessment Using Containment Dose Rates	23
7.8 Power Correction Factor	27
7.9 Core Damage Assessment Using Group 1 Isotopes	31
7.10 Core Damage Assessment Using Group 2 Isotopes	41
7.11 Core Damage Assessment Using Radioisotopic Analysis	51
8.0 RECORDS	8

LIST OF EFFECTIVE PAGES

1-8, 27-61	Revision 7
18-26	Revision 6
9-11, 14-17	Revision 5
12,13	Revision 4

TABLE OF CONTENTS

1.0	PURPOSE	2
2.0	REFERENCES	2
3.0	RESPONSIBILITIES	3
4.0	INITIATING CONDITIONS	3
5.0	PROCEDURE	4
5.1	Obtaining Post Accident Samples	4
5.2	PASS Procedures	6
5.3	Samples to be Analyzed Offsite	7
5.4	Records and Logs	8
6.0	FINAL CONDITIONS	9
7.0	ATTACHMENTS	9
7.1	Chemistry Technical Specification Requirements	10
7.2	Post Accident Sample Log	11
8.0	RECORDS	9

LIST OF EFFECTIVE PAGES

1-9	Revision 8
10	Revision 4
11	Revision 6

Informational Use¹

1.0 PURPOSE

- 1.1 This procedure describes actions to be taken by the Chemistry Department Personnel following a major off-normal event at Waterford 3 which requires chemistry considerations as part of the emergency response effort.

2.0 REFERENCES

- 2.1 CE-003-900, Operation of the Post Accident Sampling System
- 2.2 CE-003-901, Post Accident Sampling of Containment Atmosphere
- 2.3 CE-003-402, Operation of the Spectrospan 7 DCP Spectrometer
- 2.4 CE-003-903, Post Accident: Gamma Spectroscopy Analysis
- 2.5 CE-003-905, Testing and Maintenance of the Post Accident Sampling System
- 2.6 CE-003-906, Post Accident: Gaseous Effluent Sampling
- 2.7 CE-003-908, Sample Transfer from Post Accident Sampling System Grab Sampler
- 2.8 EP-002-150, Emergency Plan Implementing Records
- 2.9 EP-002-031, In-Plant Radiological Controls and Surveys During Emergencies
- 2.10 NUREG 0737 - II.B.3
- 2.11 RW-002-501, Radioactive Material/Waste Shipments
- 2.12 EP-002-090, Core Damage Assessment
- 2.13 UNT-005-032, Steam Generator Primary-to-Secondary Leakage

TABLE OF CONTENTS

1.0 PURPOSE	3
2.0 REFERENCES	3
3.0 RESPONSIBILITIES	4
4.0 INITIATING CONDITIONS	7
5.0 PROCEDURE	8
5.1 OSC First Responders	8
5.2 General Instructions for all Personnel	10
5.3 OSC Supervisor	12
5.4 OSC Supervisor Assistant	22
5.5 OSC Maintenance Leads	25
5.6 OSC Information Technology (IT) Representative	28
5.7 OSC Supervisor Communicator	30
5.8 Emergency Response Team Leader	32
5.9 Radiological Controls Coordinator	34
5.10 OSC Health Physics Liaison	40
6.0 FINAL CONDITIONS	44
7.0 ATTACHMENTS	45
7.1 OSC Floor Plan and Equipment Locations	47
7.2 Backup OSC Activation	49
7.3 OSC Watch Bill Form	54
7.4 Offsite Staging of Support/Relief Personnel	58
7.5 Emergency Access Authorization Form	60
7.6 OSC Supervisor Shift Turnover Checklist	61
7.7 RCC Shift Turnover Checklist	64
7.8 Maintenance Support Building (MSB) First Floor	67
7.9 OSC First Responder Checklist	68
7.10 OSC Supervisor Activation/Operation Checklist	70
7.11 OSC Supervisor Assistant Activation/Operation Checklist	74
7.12 OSC Maintenance Lead Activation/Operation Checklist	76
7.13 RCC Activation/Operation Checklist	78
7.14 OSC Health Physics Liaison Activation/Operation Checklist	80
7.15 Assembly Area Supervisor Radio Switch Positions	82

7.16 OSC Personnel Dosimetry Log	83
8.0 RECORDS	46

LIST OF EFFECTIVE PAGES

1-46	Revision 24
68,69,82,83	Revision 23
70-77	Revision 21
78,79	Revision 20
67,80,81	Revision 19
47,48	Revision 18
54-57	Revision 15
49-53,60	Revision 14
61-63	Revision 13
64-66	Revision 12
58,59	Revision 10

TABLE OF CONTENTS

1.0 PURPOSE	4
2.0 REFERENCES	4
3.0 RESPONSIBILITIES	5
4.0 INITIATING CONDITIONS	5
5.0 PROCEDURE	6
5.1 General Instructions for All Personnel	6
5.2 EOF First Responders	8
5.3 EOF Director	10
5.4 Administration/Logistics Coordinator	17
5.5 Operations/Engineering Coordinator	26
5.6 Radiological Assessment Coordinator (RAC)	32
5.7 Offsite Technical Advisor	42
5.8 Communications Coordinator	45
5.9 Licensing Coordinator	50
5.10 Entergy System Liaison	54
6.0 FINAL CONDITIONS	57

¹
Informational Use

7.0 ATTACHMENTS	58
7.1 EOF Floor Plan and Equipment Locations	60
7.2 EOF Personnel Dosimetry Log	64
7.3 Backup EOF Floor Plan and Equipment Locations	65
7.4 EOF Accountability	68
7.5 Backup EOF Activation	71
7.6 EOF Watch Bill Form	73
7.7 EOF HVAC Operation	76
7.8 Offsite Staging of Support/Relief Personnel	80
7.9 EOF Emergency Diesel Generator	82
7.10 EOF Administrative Controls (Message Forms, Routing, Filing, etc.)	85
7.11 Administration/Logistics Coordinator's EOF Activation Checklist	87
7.12 EOF Director Shift Turnover Checklist	88
7.13 RAC Shift Turnover Checklist	92
7.14 Operations/Engineering Coordinator Shift Turnover Checklist	96
7.15 Administration/Logistics Coordinator Shift Turnover Checklist	100
7.16 Offsite Technical Advisor Shift Turnover Checklist	102
7.17 Licensing Coordinator Shift Turnover Checklist	105
7.18 Estimation of Cladding Barrier Failure	107
7.19 Entergy System Liaison Shift Turnover Checklist	108
7.20 Communications Coordinator Shift Turnover Checklist	111
7.21 NRC Briefing Guide	113
8.0 RECORDS	59

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	2
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 General Instructions	4
5.2 Fire Brigade	7
5.3 Emergency First Aid Team (EFAT)	8
5.4 Search and Rescue Team	9
6.0 FINAL CONDITIONS	10
7.0 ATTACHMENTS	10
7.1 OSC Emergency Team Matrix	11
7.2 Emergency Team Briefing Sheet	12
7.3 Emergency Team Debriefing Sheet	13
8.0 RECORDS	10

LIST OF EFFECTIVE PAGES

1-10	Revision 18
11	Revision 13
13	Revision 7
12	Revision 6

Informational Use

1.0 PURPOSE

- 1.1 This procedure establishes the responsibilities, duties and necessary assignments to form Emergency Teams.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-002-030, Emergency Radiation Exposure Guidelines and Controls
- 2.3 EP-002-034, Onsite Surveys During Emergencies
- 2.4 EP-002-060, Radiological Field Monitoring
- 2.5 EP-002-081, Search and Rescue
- 2.6 EP-002-101, Operational Support Center (OSC) Activation, Operation and Deactivation
- 2.7 EP-002-140, Reentry
- 2.8 EP-002-190, Personnel Accountability
- 2.9 FP-001-020, Fire Emergency/Fire Report
- 2.10 UNT-007-018, First Aid and Medical Care
- 2.11 Emergency Management Resources Book

3.0 RESPONSIBILITIES

- 3.1 OSC Supervisor
 - 3.1.1 Overall responsibility to ensure emergency team activities are performed in accordance with this procedure.
- 3.2 OSC Maintenance Leads (Electrical Lead, I&C Lead, Mechanical Lead & Information Technology Representative)
 - 3.2.1 Responsible for implementing this procedure.
 - 3.2.2 Responsible for coordination of emergency team activities and priorities with Health Physics (HP) and Security to ensure prompt response to emergency conditions.
 - 3.2.3 Responsible for maintaining continuous accountability of emergency teams in accordance with EP-002-190.
- 3.3 Radiological Controls Coordinator (RCC)
 - 3.3.1 Responsible for ensuring appropriate radiological protective measures are implemented in support of emergency teams, including:
 - 3.3.1.1 Briefing or debriefing of teams entering or exiting the Controlled Access Area (CAA).
 - 3.3.1.2 Providing input to the OSC HP Liaison regarding plant radiological conditions, emergency team routing, protective clothing needs and the respiratory requirements.

TABLE OF CONTENTS

1.0	PURPOSE	2
2.0	REFERENCES	2
3.0	RESPONSIBILITIES	3
4.0	INITIATING CONDITIONS	3
5.0	PROCEDURE	4
5.1	Reentry Assessment	4
5.2	Reentry Preparation	4
5.3	Reentry Into Radiologically Affected Areas	5
5.4	Reentry Into Environmentally Or Structurally Affected Areas	6
6.0	FINAL CONDITIONS	8
7.0	ATTACHMENTS	8
	None	
8.0	RECORDS	8
	None	

LIST OF EFFECTIVE PAGES

1-8

Revision 6

¹
Informational Use

1.0 PURPOSE

- 1.1 This procedure provides both specific steps to be followed, and guidance to be considered, prior to and during the reentry of an area of the plant site that has been evacuated, or to which access has been secured, due to a specific emergency condition (i.e.: high radiation, fire, etc.)
 - 1.1.1 The precautionary site evacuation of "non-essential" personnel, as required by emergency procedures, does not justify the implementation of this procedure.
- 1.2 The scope of this procedure does not include reentry into affected areas offsite. State and local agencies coordinate any offsite recovery effort required following a Site Area or General Emergency in which evacuation was implemented as a protective action.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-002-030, Emergency Radiation Exposure Guidelines and Controls
- 2.3 EP-002-031, In-Plant Radiological Controls and Surveys During Emergencies.
- 2.4 EP-002-032, Monitoring and Decontamination
- 2.5 EP-002-033, Administration of Iodine Blocking Agents
- 2.6 EP-002-034, Onsite Surveys During Emergencies
- 2.7 EP-002-071, Site Protective Measures
- 2.8 EP-002-101, Operational Support Center (OSC) Activation, Operation, and Deactivation.
- 2.9 EP-002-130, Emergency Team Assignments
- 2.10 EP-002-170, Recovery
- 2.11 UNT-007-017, Confined Space Entry.

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	3
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 Basic Logkeeping Practices	4
5.2 Communications Log	6
5.3 Facility Logs	8
5.4 Emergency Telephone/Radio Log	10
6.0 FINAL CONDITIONS	12
7.0 ATTACHMENTS	12
7.1 Communications Log	13
7.2 Facility Log	14
7.3 Facility Log Example	15
7.4 Positions Required to Maintain Emergency Logs	16
7.5 Emergency Telephone/Radio Log	17
7.6 Emergency Telephone/Radio Log Example	18
8.0 RECORDS	12

LIST OF EFFECTIVE PAGES

1-12,16	Revision 11
18	Revision 9
15,17	Revision 8
14	Revision 7
13	Revision 3

¹
Informational Use

1.0 PURPOSE

1.1 This procedure provides guidance to emergency response personnel for the following:

1.1.1 The use of the Communications Log, the Facility Log and the Emergency Telephone/Radio Log;

1.1.2 Basic logkeeping practices;

1.1.3 The final disposition of all documentation generated during an emergency.

2.0 REFERENCES

2.1 Waterford 3 SES Emergency Plan

TABLE OF CONTENTS

1.0	PURPOSE	2
2.0	REFERENCES	2
3.0	RESPONSIBILITIES	3
4.0	INITIATING CONDITIONS	5
5.0	PROCEDURE	6
5.1	Actions at Event Termination	6
5.2	Objectives of the Recovery Organization	6
5.3	Mode of Operations	7
6.0	FINAL CONDITIONS	9
7.0	ATTACHMENTS	9
7.1	Long-Term Recovery Organization	10
8.0	RECORDS	9

LIST OF EFFECTIVE PAGES

1-9	Revision 10
10	Revision 6

Informational Use

1.0 PURPOSE

- 1.1 This procedure provides criteria and guidance for terminating a declared emergency condition and restoring the station, as closely as possible, to its pre-emergency status. The termination of an emergency and recovery efforts will depend on the nature of the emergency and the status of plant systems following corrective measures. Although the general provisions within this procedure are expected to be applicable to all emergencies, it may be necessary to supplement this guidance with provisions specific to the emergency at hand.

2.0 REFERENCES

- 2.1 W3 SES Emergency Plan
- 2.2 Title 10, CFR Parts 20 and 50
- 2.3 NUREG-0654, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants
- 2.4 UNT-006-010, Event Notification and Reporting
- 2.5 FP-001-020 Fire Emergency/Fire Report
- 2.6 UNT-007-018, First Aid and Medical Care
- 2.7 EP-001-001, Recognition and Classification of Emergency Conditions
- 2.8 EP-001-010, Unusual Event
- 2.9 EP-001-020, Alert
- 2.10 EP-001-030, Site Area Emergency
- 2.11 EP-001-040, General Emergency
- 2.12 EP-002-100, Technical Support Center (TSC) Activation, Operation and Deactivation
- 2.13 EP-002-140, Reentry

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	3
4.0 INITIATING CONDITIONS	4
5.0 PROCEDURE	5
5.1 Continuous Accountability	5
5.1.1 Control Room (On-Shift Organization)	5
5.1.2 Technical Support Center (TSC)	6
5.1.3 Operational Support Center (OSC)	8
5.1.4 -4 Control Point	9
5.1.5 Chemistry	10
5.1.6 Security	11
5.2 Accountability/Evacuation Surveys After a Site Evacuation	12
5.2.1 Using the Security Computer for Personnel Within the Protected Area	12
5.2.2 Alternative Accountability Method for Personnel Within the Protected Area	14
5.2.3 Evacuation Survey Outside of Protected Area	15
5.3 Securing Accountability for Personnel Departing the Site	16
6.0 FINAL CONDITIONS	17
7.0 ATTACHMENTS	17
7.1 Continuous Accountability Roster	18
7.2 Missing Person Roster	20
8.0 RECORDS	17

LIST OF EFFECTIVE PAGES

1-17	Revision 16
18,19	Revision 5
20	Revision 4

1.0 PURPOSE

- 1.1 This procedure provides continuous accountability for essential personnel within the Protected Area during an emergency situation at Waterford 3 SES. Additionally, the procedure outlines a method to account for personnel following a site evacuation.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-001-030, Site Area Emergency
- 2.3 EP-001-040, General Emergency
- 2.4 EP-002-071, Site Protective Measures
- 2.5 EP-002-081, Search and Rescue
- 2.6 EP-002-100, Technical Support Center (TSC) Activation, Operation and Deactivation
- 2.7 EP-002-101, Operational Support Center (OSC) Activation, Operation and Deactivation
- 2.8 EP-002-130, Emergency Team Assignments
- 2.9 EP-002-140, Reentry
- 2.10 PS-016-102, Security Response to Plant Emergency Conditions

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	2
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 Distribution	4
5.2 Content	5
5.3 Updating	8
5.4 Emergency Duty Roster	9
6.0 FINAL CONDITIONS	10
7.0 ATTACHMENTS	10
7.1 Summary of Resources Book Updates	11
8.0 RECORDS	10

LIST OF EFFECTIVE PAGES

1-10	Revision 15
11	Revision 5

1.0 PURPOSE

- 1.1 To provide a procedure to control the distribution and content of the Emergency Management Resources Book (EMRB) and the Administrative Resources Book.
- 1.2 To provide a duty roster for the onsite and nearsite emergency organizations.

2.0 REFERENCES

- 2.1 W6.101, Emergency Organization Participation Policy
- 2.2 Waterford 3 SES Emergency Plan
- 2.3 EP-002-010, Notifications and Communications

3.0 RESPONSIBILITIES

- 3.1 The Emergency Planning Coordinator (EPC) is responsible for the periodic updating and distribution of the Emergency Management Resources Book (EMRB) and the Administrative Resources Book, and the coordination of the onsite and nearsite duty rosters.
- 3.2 Waterford 3 Organization Directors or their designees are responsible for providing names of candidates for assignment to positions in the onsite and/or nearsite emergency organization to the EPC.
- 3.3 Emergency response personnel are responsible for:
 - 3.3.1 Complying with the published requirements for personnel on duty.
 - 3.3.2 Updating Emergency Planning of changes to home or work telephone numbers as they occur.

TABLE OF CONTENTS

1.0 PURPOSE	3
2.0 REFERENCES	3
3.0 RESPONSIBILITIES	4
4.0 INITIATING CONDITIONS	6
5.0 PROCEDURE	7
5.1 DEFINITIONS	7
5.2 INITIAL ASSESSMENT	9
6.0 FINAL CONDITIONS	10
7.0 ATTACHMENTS	11
7.1 EMERGENCY COMMUNICATIONS CHECKLIST	13
7.2 TOXIC CHEMICAL DIAGNOSTIC FLOWCHART	14
7.3 TOXIC CHEMICAL HAZARDS	15
7.4 RESPONSE EVALUATION	43
7.5 TOXIC CHEMICAL RESPONSE ACTIONS	46
TAB A STANDBY	46
TAB B SITE EVACUATION	51
TAB C SHELTER	59
TAB D RECOVERY	65
7.6 MAPS	67
MAP A - WATERFORD 3 SITE	67
MAP B - MAJOR INDUSTRIES AND OIL & GAS FIELDS WITHIN 5 MILES OF WATERFORD 3	68
MAP C - MAJOR INDUSTRIES AND OIL & GAS FIELDS WITHIN 10 MILES OF WATERFORD 3	69
7.7 EMERGENCY COORDINATOR'S CLOSE-OUT CHECKLIST	70
7.8 VNS QUICK REFERENCE SHEET	71
7.9 ACTIVATION/DEACTIVATION OF THE EMERGENCY RESPONSE DATA SYSTEM (ERDS)	73
7.10 TOXIC CHEMICAL EVENT EXPERIENCE	76
7.11 ON-SITE TOXIC CHEMICAL SHELTERS	85
8.0 RECORDS	12

Reference Use

LIST OF EFFECTIVE PAGES

1-12,67-69,70,76-84	Revision 7
14	Revision 6
15-42,43-45	Revision 5
46-66,71-72,73-75	Revision 4
13	Revision 3
85	Revision 0

List of Pages Containing
Proprietary Information
55,71

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	3
4.0 INITIATING CONDITIONS	4
5.0 PROCEDURE	5
6.0 FINAL CONDITIONS	8
7.0 ATTACHMENTS	8
7.1 Typical Resources for Staging Area Operations	9
7.2 Check Sheet For Vehicles	10
8.0 RECORDS	8

List of Effective Pages

Page 1-8	Revision 3
Page 9	Revision 2
Page 10	Revision 1

1
Informational Use

1.0 PURPOSE

- 1.1 This procedure provides guidance during situations that require the assembly of personnel offsite during a Toxic Chemical Emergency. Specifically addressed by this procedure is the establishment of the Staging Area, setup of communications with other components of the emergency organization, and transportation of personnel to and from the plant site.
- 1.2 Since the circumstances that created the need for this procedure are quite diverse in nature, this procedure is to provide guidance, and should not be interpreted to necessarily dictate required actions.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-002-150, Emergency Plan Implementing Records
- 2.3 EP-004-010, Toxic Chemical Contingency Procedure
- 2.4 EP-004-020, Backup EOF Operation During a Toxic Chemical Emergency
- 2.5 Emergency Management Resources Book

TABLE OF CONTENTS

1.0 PURPOSE	2
2.0 REFERENCES	2
3.0 RESPONSIBILITIES	3
4.0 INITIATING CONDITIONS	3
5.0 PROCEDURE	4
5.1 Definitions	4
5.2 General Instructions For All Personnel	5
5.3 First Responders	6
5.4 EOF Director	7
5.5 Operations/Engineering Coordinator	12
5.6 Administration/Logistics Coordinator	14
5.7 Radiological Assessment Coordinator (RAC)	16
5.8 Offsite Technical Advisor	17
5.9 Communicators	19
5.10 Entergy System Liaison	20
6.0 FINAL CONDITIONS	21
7.0 ATTACHMENTS	21
7.1 Backup Emergency Operations Facility	22
7.2 W3 SES Five (5) Mile Industry Map	25
7.3 W3 SES Site Map	26
7.4 Backup EOF Staffing Requirements	27
8.0 RECORDS	21

LIST OF EFFECTIVE PAGES

1-21	Revision 6
25,27	Revision 5
26	Revision 3
22-24	Revision 2

¹
Informational Use

1.0 PURPOSE

- 1.1 The purpose of this procedure is to provide guidance for operating the Backup Emergency Operations Facility (EOF) during a situation in which a toxic chemical release is impacting, or may potentially impact, the safety of the Waterford 3 SES plant operations and/or employee safety.

2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 1996 North American Emergency Response Guidebook
- 2.3 NIOSH Pocket Guide To Chemical Hazards
- 2.4 EP-004-010, Toxic Chemical Contingency Procedure
- 2.5 EP-004-015, Offsite Personnel Staging During A Toxic Chemical Emergency
- 2.6 EP-002-150, Emergency Plan Implementing Records
- 2.7 OP-901-520, Toxic Chemical Release
- 2.8 Emergency Management Resources Book
- 2.9 EP-002-170, Recovery
- 2.10 EP-002-010, Notifications and Communications
- 2.11 UNT-007-033, Hazardous Material Contingency Plan

TABLE OF CONTENTS

1.0	PURPOSE	2
2.0	REFERENCES	2
3.0	DEFINITIONS	4
4.0	RESPONSIBILITIES	4
5.0	PROCEDURE	5
5.1	Waterford 3 SES Emergency Plan Training	5
5.2	Offsite and Non-Utility Emergency Plan Training	5
6.0	RECORDS	5
7.0	ATTACHMENTS	6
7.1	Course Description - Emergency Plan Initial Training	7
7.2	Course Description - Emergency Plan Continuing Training	11
7.3	ERO Training Courses - Onsite Positions (CR/TSC/OSC)	14
7.4	ERO Training Courses - Nearsite Positions (EOF)	16
7.5	Supplemental Reading Matrix - Onsite Positions (CR/TSC/OSC)	18
7.6	Supplemental Reading Matrix - Nearsite Positions (EOF)	23

LIST OF EFFECTIVE PAGES

1 - 26

Revision 04

1.0 PURPOSE

- 1.1 To ensure Waterford 3 personnel and appropriate offsite and non-utility agencies are trained commensurate with their respective emergency responsibilities. This training supplements the training received in regular departmental training.

2.0 REFERENCES

- 2.1 NUREG 0654, FEMA-REP-1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plant"
- 2.2 State of Louisiana Peace Time Radiological Response Plan, Revision 1
- 2.3 Title 10, Code of Federal Regulations, Part 100.10 and .11, "Factors to be Considered When Evaluating Sites and Determination of Exclusion Area, Low Population Zone, and Population Center Distance"
- 2.4 Title 10, Code of Federal Regulations, Part 20, "Standards for Protection Against Radiation"
- 2.5 Title 10, Code of Federal Regulations, Part 50, Appendix E, "Emergency Planning and Preparedness for Production and Utilization Facilities"
- 2.6 Waterford-3 SES Emergency Plan
- 2.7 Waterford-3 SES Emergency Plan Implementing Documents
- 2.8 NTP-001 Nuclear Training Instruction Development, Review & Approval
- 2.9 NTP-003 Training Records
- 2.10 NTP-006 Control and Administration of Examinations

Continued next page