

# WATERFORD 3 SES PLANT OPERATING MANUAL



LOUISIANA  
MIDDLE SOUTH  
UTILITIES SYSTEM

**LOUISIANA**  
POWER & LIGHT

PCM VOLUME 18  
PCM SECTION 2

EP-2-030

REVISION 1

APPROVAL DATE: \_\_\_\_\_

EFFECTIVE DATE: Fuel Load

Ch. 1

4/13/83

EMERGENCY PLAN IMPLEMENTING PROCEDURE  
EMERGENCY RADIATION EXPOSURE GUIDELINES  
AND CONTROLS  
**LP&L W-3 RECORDS**

## CONTROLLED COPY

NO. 130

PORC Meeting No. 83-028

Reviewed: \_\_\_\_\_

PORC Chairman

Approved: \_\_\_\_\_

Plant Manager-  
Nuclear

CHANGE/REVISION/DELETION REQUEST

Complete A, B, or C

C. Deletion N/A

To correct deficiency noted during NRC E.P. Appraisal visit

Originator Rabbit S. Gypso Date 4/12/83  
Technical Review N/A Date N/A

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Temporary Approval# \_\_\_\_\_ Date \_\_\_\_\_

Plant Manager-Nuclear Approval [Signature] Date 5/12/83

Attachment 6.9 (1 of 1)

WATERFORD 3 SES  
PLANT OPERATING MANUAL  
CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2030 Title Emergency Radiation Exposure Guidelines and  
Effective Date \_\_\_\_\_ (if different from PM-N approval date) Control

Complete A, B, or C

A. Change No. N/A

B. Revision No. 1

C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

EP-2030 used during drills found to be lacking sufficient  
direction during Emergency Planning Exercises

REQUIRED SIGNATURES

Originator G. J. DiCiccioppini Date 11-19-82  
Technical Review G. J. Bailey Date 11-19-82

SAFETY EVALUATION

Does this change, revision, or deletion:

YES NO

1. Change the facility as described in the FSAR? YES ☐ NO ☒
2. Change the procedures as described in the FSAR? YES ☐ NO ☒
3. Conduct tests/experiments not described in the FSAR? YES ☐ NO ☒
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? YES ☐ NO ☒

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G. J. Bailey Date 11-19-82

Group/Dep't. Head Review G. J. Bailey Date 11-19-82

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review G. J. Bailey Date 1-13-83

PORC Review G. J. Bailey Date 1-19-83 Meeting No. 83-02A

Plant Manager-Nuclear Approval G. J. Bailey Date 1/26/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

Emergency Plan Implementing Procedure  
Emergency Radiation Exposure Guidelines  
and Controls

EP-2-030  
Revision 1

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LIST OF EFFECTIVE PAGES

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1-7	Revision 1



Emergency Plan Implementing Procedure  
Emergency Radiation Exposure Guidelines  
and Controls

EP-2-030  
Revision 1

1.0 PURPOSE

To provide guidelines and administrative controls for radiation exposures in excess of 10CFR20 limits during life saving or accident-mitigation 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 National Council on Radiation Protection Report No. 39, Basic Radiation Protection Criteria

3.0 RESPONSIBILITIES

The Emergency Coordinator is responsible for ensuring that the actions outlined in this procedure are carried out.

4.0 INITIATING CONDITIONS

This procedure is to be initiated upon reaching the following condition:

- 4.1 Defined emergency response actions to perform life saving or accident-mitigating functions are expected to result in radiation exposures in excess of the 10CFR20 limits.

5.0 PROCEDURE

NOTE

The Emergency Coordinator is the only individual who can authorize emergency exposures in excess of 10CFR20 limits.

Emergency Plan Implementing Procedure  
Emergency Radiation Exposure Guidelines  
and Controls

EP-2-030  
Revision 1

5.1 The Emergency Coordinator will determine the need to perform specific tasks which are anticipated to result in exposure in excess of 10CFR20 limits by evaluating the risk of not performing the tasks against the anticipated exposure.

5.2 The guidelines for emergency exposure are:

<u>Organ</u>	<u>Corrective Action</u>	<u>Life Saving</u>
Whole Body	25 rem	100 rem
Extremities	100 rem	300 rem
Thyroid	125 rem	No limit

5.3 Personnel selected to perform the task should be chosen in accordance with the following guidelines:

5.3.1 Individual is a volunteer or professional rescue person.

5.3.2 Individual is generally familiar with the radiological consequences of the exposure.

5.3.3 Fertile females shall not be used.

5.3.4 Individual has not previously received emergency exposure.

5.4 Personnel shall not enter any area where dose rates are unknown or unmeasurable with dose rate instruments.

5.5 All reasonable precautions for minimizing the radiological consequences of the emergency action shall be taken (i.e., protective clothing, respiratory protection, thyroid prophylaxis, etc.).

5.6 The Emergency Coordinator (or designee) will complete Section A of Attachment 7.1.

NOTE

1. The Emergency Coordinator is the only individual who can sign Section A authorizing the emergency exposure.
2. Although it is preferable to perform and document these steps prior to the exposure, the Emergency Coordinator may verbally authorize the exposure and complete the documentation at a later time.

- 5.7 The individual who will receive the emergency exposure will complete Section B.
- 5.8 The Radiological Controls Coordinator will complete Sections C and D. Follow-up medical evaluation will be in accordance with the following guidelines:
- 5.8.1 If an individual's dose equivalent exceeds 10 rem for the whole body, 30 rem for the thyroid, 60 rem for the skin, and/or 150 rem to an extremity, the details of the exposure incident shall be brought to the attention of a physician. The physician shall determine the need, extent, and nature of any clinical, biological, or biochemical examinations.
- 5.8.2 If an individual's dose equivalent exceeds 25 rem for the whole body, 75 rem to the thyroid, 150 rem for the skin, and/or 375 rem for an extremity, the individual shall be examined by a physician. The physician shall determine the need, extent, and nature of any clinical, biological, or biochemical examinations or necessary medical surveillance.
- 5.9 The Radiological Controls Coordinator shall designate an individual responsible to complete the exposure evaluation and complete a full

Emergency Plan Implementing Procedure  
Emergency Radiation Exposure Guidelines  
and Controls

EP-2-030  
Revision 1

report on the emergency exposure, including necessary reports in accordance with 10CFR20.403.

6.0 FINAL CONDITIONS

All sections of Attachment 7.1 are complete and assignments have been made for completing necessary exposure reports.

7.0 ATTACHMENTS

7.1 Emergency Exposure Authorization Form

EMERGENCY EXPOSURE AUTHORIZATION FORM

SECTION A

1. Name (to receive exposure): \_\_\_\_\_  
Soc. Sec. No.: \_\_\_\_\_
2. Individual TLD Number: \_\_\_\_\_ Employer/LP&L Department: \_\_\_\_\_
3. Task(s) to be Performed: \_\_\_\_\_  
\_\_\_\_\_
4. Date of Authorization: \_\_\_\_\_ Authorized Limit: \_\_\_\_\_
5. Conditions:  
Individual is a volunteer or professional rescue person.  
Individual is broadly familiar with radiological consequences of exposure.  
Fertile females shall not take part (Reg. Guide 8.13).  
Individual has not received an emergency exposure before.  
Dose rates in area are known/measurable.  
Life saving Action?  
Corrective Action?
6. Emergency Coordinator: \_\_\_\_\_ (signature)  
\_\_\_\_\_

SECTION B

I have been briefed in the radiological consequences of the proposed emergency exposure, and I have volunteered to perform the emergency measures during which I will receive the emergency exposure.

7. Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_

EMERGENCY EXPOSURE AUTHORIZATION FORM

SECTION C (Attach exposure evaluation)

1. Dose equivalent assigned for entry: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. TLD/Dosimeter Results: \_\_\_\_\_  
\_\_\_\_\_
3. Bioassay Results: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. Medical Evaluation/Action: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
Doctor: \_\_\_\_\_
5. Radiological Controls Coordinator: \_\_\_\_\_ Date: \_\_\_\_\_  
\_\_\_\_\_

SECTION D

1. Disposition (Allow additional exposure, restricted access, etc.):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
2. Individual assigned to follow up reports(s): \_\_\_\_\_
3. Radiological Controls Coordinator: \_\_\_\_\_ Date: \_\_\_\_\_

# WATERFORD 3 SES PLANT OPERATING MANUAL



**LOUISIANA**  
POWER & LIGHT

POM VOLUME 18  
POM SECTION 2

EP-2-033  
REVISION 1  
APPROVAL DATE: \_\_\_\_\_  
EFFECTIVE DATE: Fuel Load

Ch. 1  
4/12/83

EMERGENCY PLAN IMPLEMENTING PROCEDURE  
ADMINISTRATION OF IODINE BLOCKING AGENTS

LP&L W-3 RECORDS

## CONTROLLED COPY

NO. 130

PORC Meeting No. 83-C2A  
Reviewed: [Signature]  
PORC Chairman  
Approved: [Signature]  
Plant Manager-  
Nuclear



CHANGE/REVISION/DELETION REQUEST

Attachment 6.9 (1 of 1)

WATERFORD 3 SES  
PLANT OPERATING MANUAL  
CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-033 Title Administration of Iodine Blocking Agents  
Effective Date \_\_\_\_\_ (if different from PM-N approval date)

Complete A, B, or C

A. Change No. N/A  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

EP-2 used during drills found to be lacking sufficient--  
direction during Emergency Planning Exercises

REQUIRED SIGNATURES

Originator L. J. Chiappini Date 11-19-82  
Technical Review G. P. Bailey Date 11-19-82

SAFETY EVALUATION

Does this change, revision, or deletion:

YES NO

1. Change the facility as described in the FSAR? \_\_\_
2. Change the procedures as described in the FSAR? \_\_\_
3. Conduct tests/experiments not described in the FSAR? \_\_\_
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? \_\_\_

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G. P. Bailey Date 11-19-82  
Group/Dep't. Head Review G. P. Bailey Date 11-19-82

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)  
Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review L. J. Chiappini Date 1-13-83

PORC Review G. P. Bailey Date 1-19-83 Meeting No. P3-02A

Plant Manager-Nuclear Approval G. P. Bailey Date 2/6/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

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  - 7.2 KI Issue Record (1 page)
  - 7.3 Potassium Iodide Administration Form (1 page)
  - 7.4 Potassium Iodide Precaution Leaflet (1 page)

LIST OF EFFECTIVE PAGES

Title	Revision 1
1-9	Revision 1

## 1.0 PURPOSE

To provide the guidelines for determining when potassium iodide (KI) should be administered to site personnel to minimize I-131 intake and for implementing and recording the administering of potassium iodide (KI).

## 2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 NCRP Report No. 55, Protection of the Thyroid Gland in the Event of Releases of Radioiodine
- 2.3 IAEA Technical Report No. 152, Evaluation of Radiation Emergencies and Accidents
- 2.4 Patient Package Insert for Commercial Packaged Potassium Iodide
- 2.5 EP-3-040, Emergency Equipment Inventory
- 2.6 Appendix I, Waterford 3 Emergency Medical Assistance Plan (EMAP) to Waterford 3 Emergency Plan
- 2.7 EP-2-020, Contaminated Injured/Ill Personnel
- 2.8 EP-2-150, Emergency Records

## 3.0 RESPONSIBILITIES

The Health Physics Coordinator is responsible for the implementation of this procedure.

## 4.0 INITIATING CONDITIONS

This procedure shall be initiated upon reaching the following condition:

The Health Physics Coordinator determines that exposure to I-131 may result in quantities sufficient to cause a thyroid dose equal to or greater than 10 rads.

5.0 PROCEDURE

- 5.1 Determine the need for KI administration by using Attachment 7.1, Thyroid Dose Graph.

NOTE

KI is not to be used in lieu of proper respiratory protection (i.e., as a prophylactic). KI is to be used only to block the thyroid gland prior to/after unavoidable exposure or after accidental exposure to radioiodine.

- 5.1.1 Verify and record the calculations/measurements/estimates on Attachment 7.3, Potassium Iodide Administration Form.
- 5.1.2 Report the results to the Emergency Coordinator.
- 5.2 If the thyroid dose is estimated to be 10 rads or greater (the minimum dose for KI administration), the identified physician at Ochsner (see Emergency Call List) and the Emergency Coordinator must be consulted to determine the need to order administration of KI.

NOTE

If communication cannot be made to the Ochsner physician, proceed to determine the need to order administration based on verified calculations and consultation with the Emergency Coordinator.

- 5.3 Upon authorization by the Emergency Coordinator, for the administration of KI to the appropriate individuals, perform the following steps.
- 5.3.1 Note the authorization in the Control Room Log.

- 5.3.2 Direct the First Aid Team to report to the KI Administration Area to administer KI. (KI is located in the First Aid Area and First Aid Kits.)
- 5.3.3 Notify the consulting physician at Ochsner of the administration order.

NOTE

This may be unnecessary if consultation was recently completed and/or the notification must be delayed due to conditions/duties.

- 5.3.4 Assign one or more escorts to transport and assemble the individual(s) at the KI Administration Area.
- 5.3.5 Verify the above transport.
- 5.4 Have the First Aid Team direct the exposed individual(s) to read Attachment 7.4, Potassium Iodide Precaution Leaflet and sign Attachment 7.3, Potassium Iodide Administration Form. This is to verify that the individual(s) read and understand the leaflet and understand the taking of KI to be voluntary.
- 5.5 Issue one KI tablet to each individual each day for a minimum of six (6) to a maximum of ten (10) consecutive days and record on Attachment 7.2, KI Issue Record.

NOTE

Unless medical personnel are available, only the First Aid Team administers KI. KI shall not be administered to anyone suspected of iodide allergy.

- 5.6 Forward all completed forms to the Emergency Coordinator for keeping.

5.7 Direct a whole-body count and/or bioassay analysis be performed on each individual at the earliest opportunity and that the consulting Ochsner physician(s) provide supervision and verification of its completion to the Emergency Coordinator.

6.0 FINAL CONDITIONS

6.1 Each individual whose estimated exposure to radioiodine exceeded 10 rads has been identified and administered KI.

6.2 All Potassium Iodide Administration Forms and KI Issue Records are completed, signed/initialed and in keeping by the Emergency Coordinator (in accordance with EP-2-150, Emergency Records).

6.3 Each exposed person has been scheduled for bioassay analysis.

7.0 ATTACHMENTS

7.1 Thyroid Dose Graph

7.2 KI Issue Record

7.3 Potassium Iodide Administration Form

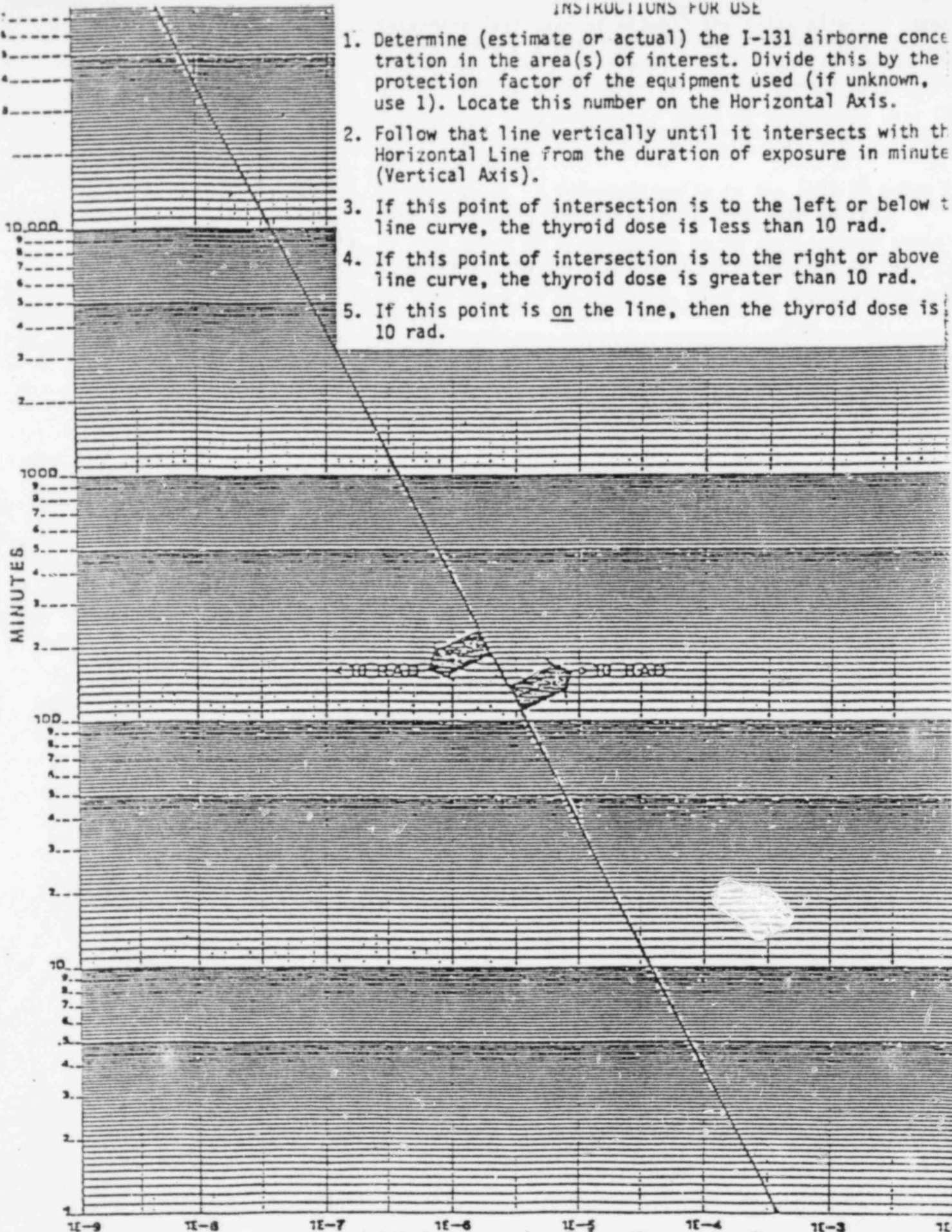
7.4 Potassium Iodide Precaution Leaflet



# INSTRUCTIONS FOR USE

1. Determine (estimate or actual) the I-131 airborne concentration in the area(s) of interest. Divide this by the protection factor of the equipment used (if unknown, use 1). Locate this number on the Horizontal Axis.
2. Follow that line vertically until it intersects with the Horizontal Line from the duration of exposure in minutes (Vertical Axis).
3. If this point of intersection is to the left or below the line curve, the thyroid dose is less than 10 rad.
4. If this point of intersection is to the right or above the line curve, the thyroid dose is greater than 10 rad.
5. If this point is on the line, then the thyroid dose is 10 rad.

DURATION OF EXPOSURE  
MINUTES



I-131 Concentration Factor/Protection Factor

# KI ISSUE RECORD

KI Administration										
1	2	3	4	5	6	7	8	9	10	
Date	Date	Date	Date	Date	Date	Date	Date	Date	Date	Date
Int.	Int.	Int.	Int.	Int.	Int.	Int.	Int.	Int.	Int.	Int.
Name:										
SS No.:										
Name:										
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POTASSIUM IODIDE ADMINISTRATION FORM

Name of Exposed Individual \_\_\_\_\_  
Last Middle First

Social Security Number \_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_

LP&L Badge Number \_\_\_\_\_

Duration of Exposure \_\_\_\_\_ Minutes

I-131 Concentration \_\_\_\_\_  $\mu$ Ci/cc in Air

Estimated

Thyroid Dose \_\_\_\_\_  $\geq 10$  RAD/\_\_\_\_\_  $< 10$  RAD (Check One)

Date of Exposure \_\_\_\_\_

Respiratory Protection Worn During Exposure Yes\_\_\_ No\_\_\_ ~~FF~~\_\_\_

Known Iodide Allergy/Previous Allergic Reaction Yes\_\_\_ No\_\_\_

I verify that I have read and understand the precaution leaflet and understand that taking thyroid blocking agent is voluntary.

\_\_\_\_\_  
Signature of Exposed Individual/Date

Potassium Iodide tablets issued by:

\_\_\_\_\_  
Signature of First Aid Team Member/Date

NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

# POTASSIUM IODIDE PRECAUTION LEAFLET

Patient Package Insert For

## THYRO-BLOCK™

(POTASSIUM IODIDE)

(pronounced *pos-TASS-um EYE-oh-dyed*)

(abbreviated: KI)

TABLETS and SOLUTION U.S.P.

TAKE POTASSIUM IODIDE ONLY WHEN PUBLIC HEALTH OFFICIALS TELL YOU. IN A RADIATION EMERGENCY, RADIOACTIVE IODINE COULD BE RELEASED INTO THE AIR. POTASSIUM IODIDE (A FORM OF IODINE) CAN HELP PROTECT YOU.

IF YOU ARE TOLD TO TAKE THIS MEDICINE, TAKE IT ONE TIME EVERY 24 HOURS. DO NOT TAKE IT MORE OFTEN. MORE WILL NOT HELP YOU AND MAY INCREASE THE RISK OF SIDE EFFECTS. DO NOT TAKE THIS DRUG IF YOU KNOW YOU ARE ALLERGIC TO IODIDE. (SEE SIDE EFFECTS BELOW)

### INDICATIONS

THYROID BLOCKING IN A RADIATION EMERGENCY ONLY.

### DIRECTIONS FOR USE

Use as directed by State or local public health authorities in the event of a radiation emergency.

#### DOSE

Tablets:

ADULTS AND CHILDREN 1 YEAR OF AGE OR OLDER: One (1) tablet once a day. Crush for small children.

BABIES UNDER 1 YEAR OF AGE: One-half (1/2) tablet once a day. Crush first.

Solution:

ADULTS AND CHILDREN 1 YEAR OF AGE OR OLDER: Add 6 drops to one-half glass of liquid and drink each day.

BABIES UNDER 1 YEAR OF AGE: Add 3 drops to a small amount of liquid once a day.

For all dosage forms: Take for 10 days unless directed otherwise by State or local public health authorities.

Store at controlled room temperature between 15° and 30°C (59° to 86°F). Keep container tightly closed and protect from light. Do not use the solution if it appears brownish in the nozzle of the bottle.

### WARNING

Potassium iodide should not be used by people allergic to iodide. Keep out of the reach of children. In case of overdose or allergic reaction, contact a physician or the public health authority.

### DESCRIPTION

Each THYRO-BLOCK™ TABLET contains 130 mg of potassium iodide.

Each THYRO-BLOCK™ SOLUTION contains 21 mg of potassium iodide.

### HOW POTASSIUM IODIDE WORKS

Certain forms of iodine help your thyroid gland work right. Most people get the iodine they need from foods, like iodized salt or fish. The thyroid can "store" or hold only a certain amount of iodine.

In a radiation emergency, radioactive iodine may be released in the air. This material may be breathed or swallowed. It may enter the thyroid gland and damage it. The damage would probably not show itself for years. Children are most likely to have thyroid damage.

If you take potassium iodide, it will fill-up your thyroid gland. This reduces the chance that harmful radioactive iodine will enter the thyroid gland.

### WHO SHOULD NOT TAKE POTASSIUM IODIDE

The only people who should not take potassium iodide are people who know they are allergic to iodide. You may take potassium iodide even if you are taking medicines for a thyroid problem (for example, a thyroid hormone or antithyroid drug). Pregnant and nursing women and babies and children may also take this drug.

### HOW AND WHEN TO TAKE POTASSIUM IODIDE

Potassium Iodide should be taken as soon as possible after public health officials tell you. You should take one dose every 24 hours. More will not help you because the thyroid can "hold" only limited amounts of iodine. Larger doses will increase the risk of side effects. You will probably be told not to take the drug for more than 10 days.

### SIDE EFFECTS

Usually, side effects of potassium iodide happen when people take higher doses for a long time. You should be careful not to take more than the recommended dose or take it for longer than you are told. Side effects are unlikely because of the low dose and the short time you will be taking the drug.

Possible side effects include skin rashes, swelling of the salivary glands, and "iodism" (metallic taste, burning mouth and throat, sore teeth and gums, symptoms of a head cold, and sometimes stomach upset and diarrhea).

A few people have an allergic reaction with more serious symptoms. These could be fever and joint pains, or swelling of parts of the face and body and at times severe shortness of breath requiring immediate medical attention.

Taking iodide may rarely cause overactivity of the thyroid gland, underactivity of the thyroid gland, or enlargement of the thyroid gland (goiter).

### WHAT TO DO IF SIDE EFFECTS OCCUR

If the side effects are severe or if you have an allergic reaction, stop taking potassium iodide. Then, if possible, call a doctor or public health authority for instructions.

### HOW SUPPLIED

THYRO-BLOCK™ TABLETS (Potassium Iodide, U.S.P.) bottles of 14 tablets (NDC 0037-0472-20.) Each white, round, scored tablet contains 130 mg potassium iodide.

THYRO-BLOCK™ SOLUTION (Potassium Iodide Solution, U.S.P.) 30 ml (1 fl. oz.) light-resistant, measured-drop dispensing units (NDC 0037-4287-25). Each drop contains 21 mg potassium iodide.

WALLACE LABORATORIES  
Division of  
CARTER-WALLACE, INC.  
Cranbury, New Jersey 08512

CW-107915-10/79

Issue 10/79

# WATERFORD 3 SES PLANT OPERATING MANUAL



LOUISIANA  
POWER & LIGHT

PCM VOLUME 18  
PCM SECTION 2

EP-2-090  
REVISION 1  
APPROVAL DATE: 4/12/83 ch.1  
EFFECTIVE DATE: Fuel Load 4/12/83

EMERGENCY PLAN IMPLEMENTING PROCEDURE

ACCIDENT ASSESSMENT

LP&L W-3 RECORDS

## CONTROLLED COPY

NO. 030

FORC Meeting No. 92-028

Reviewed: [Signature]  
FORC Chairman

Approved: [Signature]  
Plant Manager-  
Nuclear



WATERFORD 3 SES  
PLANT OPERATING MANUAL

CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-090 Title ACCIDENT ASSESSMENT  
Effective Date FUEL LOAD (if different from approval date)

Complete A, B, or C

A. Change No. i  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

To correct deficiency noted during NRC E.P. Appraisal visit  
Add Effective Date

REQUIRED SIGNATURES

Originator Robert D. Gyselle Date 4/12/83  
Technical Review N/A Date N/A

SAFETY EVALUATION

Does this change, revision, or deletion:

YES NO

1. Change the facility as described in the FSAR? — ☒
2. Change the procedures as described in the FSAR? — ☒
3. Conduct tests/experiments not described in the FSAR? — ☒
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? — ☒

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G.P. Bailey Date 4-12-83

Group/Dep't. Head Review G.P. Bailey Date 4-12-83

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review NA Date 4-15-83

PORC Review J.R. Schab Date 4-18-83 Meeting No. 93-158

Plant Manager-Nuclear Approval R. Bentler Date 5-17-83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

WATERFORD 3 SES  
PLANT OPERATING MANUAL  
CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-090 Title Accident Assessment  
Effective Date \_\_\_\_\_ (if different from PM-N approval date)

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A. Change No. N/A  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

EP-1P used during drills found to be lacking sufficient --  
direction during Emergency Planning exercises

REQUIRED SIGNATURES

Originator D. Schapinski Date 11-19-82  
Technical Review G. P. Bailey Date 11-19-82

SAFETY EVALUATION

Does this change, revision, or deletion:

	YES	NO
1. Change the facility as described in the FSAR?	___	<u>✓</u>
2. Change the procedures as described in the FSAR?	___	<u>✓</u>
3. Conduct tests/experiments not described in the FSAR?	___	<u>✓</u>
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications?	___	<u>✓</u>

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G. P. Bailey Date 11-19-82

Group/Dep't. Head Review G. P. Bailey Date 11-19-82

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review B. L. Schepner Date 1-13-83

PORC Review R. M. Salsaf Date 1-19-83 Meeting No. 82-028-24

Plant Manager-Nuclear Approval R. B. Borchert Date 1/26/83

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- 7.0 ATTACHMENTS
  - 7.1 Plant Status Checklist (2 pages)
  - 7.2 Containment Radiation Plots (1 page)
  - 7.3 Containment Radiation Plots General Guidelines - Containment Radiation Plots Table (2 pages)

## LIST OF EFFECTIVE PAGES

Title	Revision 1
1-12	Revision 1

## 1.0 PURPOSE

- 1.1 This procedure describes necessary actions to be taken by the technical and engineering emergency response personnel following a major off-normal event at Waterford 3 involving the reactor systems.
- 1.2 This procedure provides a Plant Status Checklist to assist in the coordination of the shift in responsibilities from the Control Room to the Technical Support Center.
- 1.3 This procedure provides guidelines for the use of the Emergency Plan Containment Radiation Plots.

## 2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-2-100, Technical Support Center (TSC) Activation, Operation, and Deactivation
- 2.3 Waterford 3 SES Final Safety Analysis Report

## 3.0 RESPONSIBILITIES

- 3.1 The Technical Support Center (TSC) Supervisor shall be responsible for the implementation of this procedure under the Emergency Coordinator.
- 3.2 The TSC Lead Engineer shall provide recommendations on technical assessment to the TSC Supervisor.
- 3.3 The Technical Support Center Engineers shall provide recommendations to the TSC Lead Engineer involving problems affecting plant safety or operation during an emergency, including all areas related to design and operation of Waterford 3 which pertain to mechanical, electrical, fluid systems, reactor physics, chemistry and metallurgy evaluations.

#### 4.0 INITIATING CONDITIONS

4.1 Any of the following emergencies has been declared: Alert, Site Emergency, General Emergency or an event has occurred that has placed the reactor and/or its auxiliary systems in a degraded condition or in a situation with the potential for further degradation.

4.2 As determined by the TSC Supervisor or the Emergency Coordinator.

#### 5.0 PROCEDURE

5.1 At the direction of the TSC Supervisor, the TSC Lead Engineer will supervise the technical and engineering response personnel and establish an operations/engineering assessment group in the TSC Technical Assessment Area. This assessment group should:

5.1.1 Determine overall plant status and the extent of the particular problems, including:

5.1.1.1 Primary Plant condition

5.1.1.2 Secondary Plant condition

5.1.1.3 Equipment operability

5.1.1.4 Instrumentation operability

5.1.1.5 Operations staff diagnosis of off-normal conditions

5.1.1.6 Degradations in the interactions between components, systems and safety trains and/or functions

NOTE

A Plant Status Checklist is provided as Attachment 7.1 to assist in the initial transfer of information between the Control Room and the Technical Support Center. If not previously accomplished, request that the Control Room fill out this checklist and provide the information to the TSC via sound-powered phone.

- 5.1.2 Evaluate the condition of the reactor, essential safety-related systems, and any significant problem areas identified in step 5.1.1 above, using, as necessary:
  - 5.1.2.1 Piping and Instrumentation Diagrams, including piping system isometrics, general arrangement drawings and electrical schematics
  - 5.1.2.2 Applicable plant operating and/or maintenance procedures
  - 5.1.2.3 Parameters as given through the Safety Parameter Display System (SPDS), computer printouts or trend recorders
  - 5.1.2.4 The W3 SES Final Safety Analysis Report
  - 5.1.2.5 Applicable equipment technical manuals

NOTE 1

Applicable drawings, manuals and procedures can be obtained from the Records Storage Area within the Technical Support Center.

NOTE 2

If additional information from the Control Room is required, access to the Control Room should be gained through a request to the TSC Supervisor and performed in accordance with Control Room access provisions. General access to the Control Room is restricted at all times.

- 5.1.3 Assist the Control Room staff by relieving the reactor operators of peripheral duties such as:
- 5.1.3.1 Plotting cooldown curves, radiation levels or other key parameters to back up or assist in trend analysis
  - 5.1.3.2 Verifying and logging instrument indications where continuous technical assessment and monitoring are required to provide notice when degradation is or may be occurring
  - 5.1.3.3 Evaluating the perfunctory adequacy of natural circulation flow or heat sink efficiency.
- 5.1.4 Design and coordinate the installation of short-term instrument and control modifications, including preparation of the respective installation or abnormal operating procedures necessary to support the evolution.

5.1.5 Inform the TSC Supervisor of engineering related areas where support from the Emergency Operations Facility's engineering staff is necessary, such as for:

5.1.5.1 Supplemental transient or accident analysis, which may include event tree analyses or computer calculations necessary to provide particular event possibilities that could occur and which should be preparatorily considered

5.1.5.2 Engineering development of system modifications necessary to ensure the immediate safe shutdown of the reactor and any system additions necessary to maintain long-term shutdown capabilities.

5.1.6 Inform the TSC Supervisor of equipment conditions that indicate the necessity to establish and dispatch an Emergency Repair/Operations Team from the Operational Support Center to effect necessary damage control measures within the plant.

5.1.7 Provide recommendations or data to the TSC Supervisor as necessary to assure that the protection of station personnel and the public can be maintained.

5.2 Analyses of plant conditions should be performed to determine reactor core status, including the estimated source term of a potential release of radioactive material from within containment. Determination of the approximate source and damage estimate can be as follows:

5.2.1 Use the Containment Radiation Plots, Attachments 7.2 and 7.3, in the following manner:

5.2.1.1 Determine the time since the reactor shut down.

5.2.1.2 Determine the containment radiation monitoring reading.

5.2.1.3 Locate the radiation reading (from step 5.2.1.2 above) on the graph of the plots (Attachment 7.2) at the appropriate time coordinate (from step 5.2.1.1 above).

- 5.2.1.4 Take the ratio of the measured dose rate to the dose rate given on one of the curves for a known percent inventory (i.e., interpolate between curves).
- 5.2.1.5 Relate the % fuel inventory released to the "Approximate Source and Damage Estimates" as given in Attachment 7.3. (This value should be compared to the same case number as the curve used in step 5.2.1.4 above.)
- 5.2.2 Inform the TSC Lead Engineer of the determined value for the approximate source and core damage estimate as derived from step 5.2.1, including any modifications to, or assumptions in, the general guidelines as given in Attachment 7.3.

#### 6.0 FINAL CONDITIONS

- 6.1 Abnormal plant conditions have been terminated or decreased below the "Alert" level emergency, and
- 6.2 Assessment of abnormal plant events or conditions has been completed or transferred to the Recovery Organization; or
- 6.3 The Technical Support Center is deactivated in accordance with EP-2-100.

#### 7.0 ATTACHMENTS

- 7.1 Plant Status Checklist
- 7.2 Containment Radiation Plots
- 7.3 Containment Radiation Plots General Guidelines - Containment Radiation Plots Table



# PLANT STATUS CHECKLIST

TIME \_\_\_\_\_

## ESEAS

	<u>HPSI</u>	<u>LPSI</u>	<u>CONT. SPRAY</u>
SIAS-YES/NO	A-ON/OFF	A-ON/OFF	A-ON/OFF
CIAS-YES/NO	B-ON/OFF	B-ON/OFF	B-ON/OFF
MSIS-YES/NO	AB-ON/OFF		
EFAS-YES/NO			
CSAS-YES/NO			
RAS-YES/NO	SAFETY INJECTION TANKS DUMPED-YES/NO		

## PRIMARY CONTAINMENT

	<u>ACTIVITY</u>	<u>RADIATION</u>
INTEGRITY-YES/NO	PARTICULATE _____ CPM	HI RANGE A _____ R/HR
PRESSURE _____ PSIG	IODINE _____ CPM	HI RANGE B _____ R/HR
HUMIDITY _____ %	GASEOUS _____ CPM	
SUMP LVL _____ IN.		

## REACTOR COOLANT SYSTEM

NATURAL CIRCULATION-YES/NO	SDM AVAIL.-YES/NO
SHUTDOWN COOLING-YES/NO	BORON CONC. _____ PPM
COOLDOWN-YES/NO-RATE _____ °F/HR	CONTROL RODS _____
SUBCOOLED MARGIN _____ °F	MODE- 1 2 3 4 5 6
ACTIVITY: IODINE _____ $\mu$ Ci/gm	GROSS _____

## ELECTRICAL

	<u>A</u>	<u>B</u>
OFFSITE PWR AVAIL.	YES/NO	YES/NO
D/G AVAIL.	YES/NO	YES/NO
D/G LOADED	YES/NO	YES/NO

## TANK LEVELS

RWSP _____
CST _____ CSP _____
BAMT A _____ B _____
FWST A _____ B _____
D/G.F.O. A _____ B _____

## SECONDARY PLANT

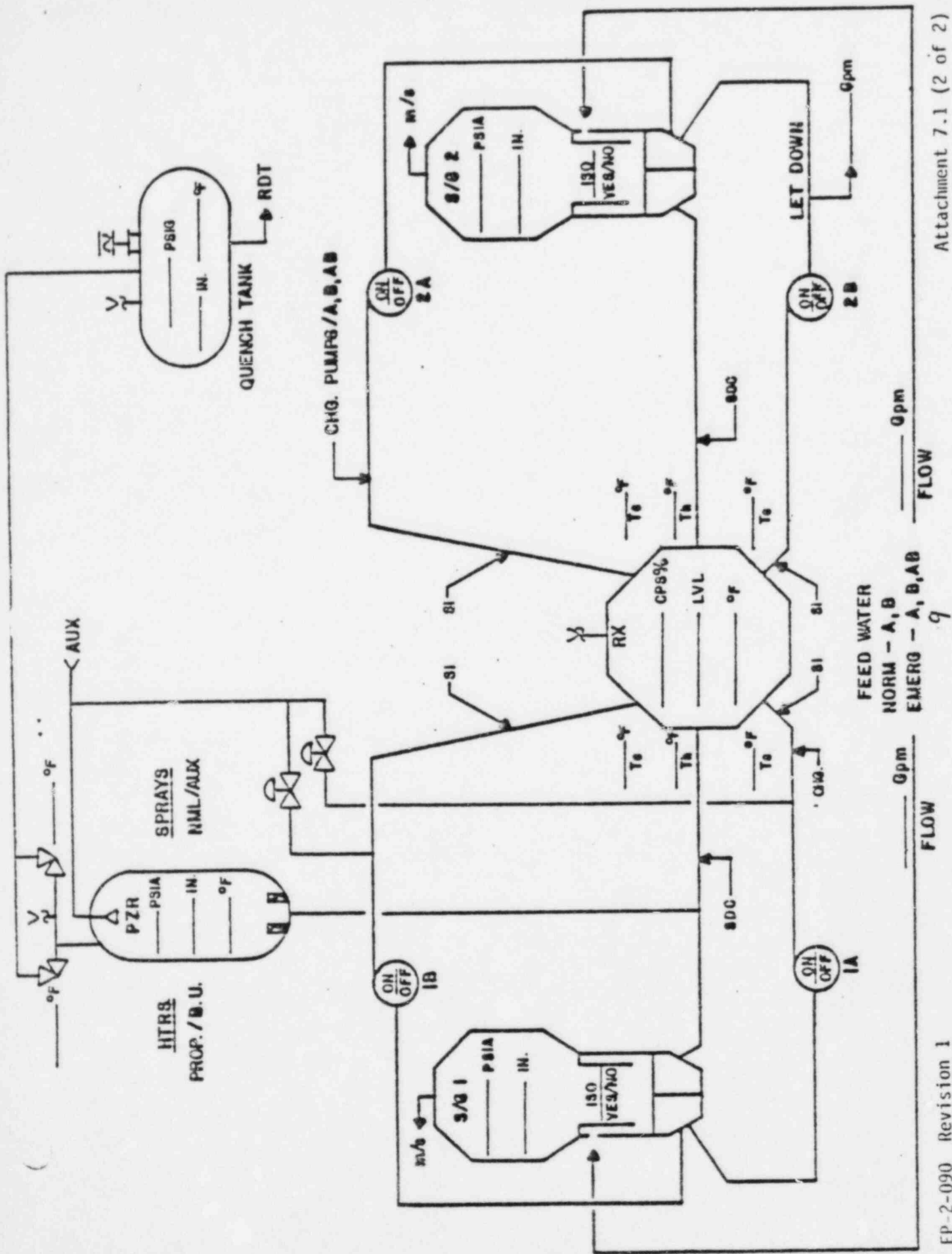
MAIN CONDENSER AVAIL.	YES/NO
STEAM BYPASS AVAIL.	YES/NO
ATMOS. DUMPS AVAIL.	YES/NO
SAFETIES LIFTED	YES/NO
MSIV'S OPEN/CLOSED	

## DRY COOLING TOWERS

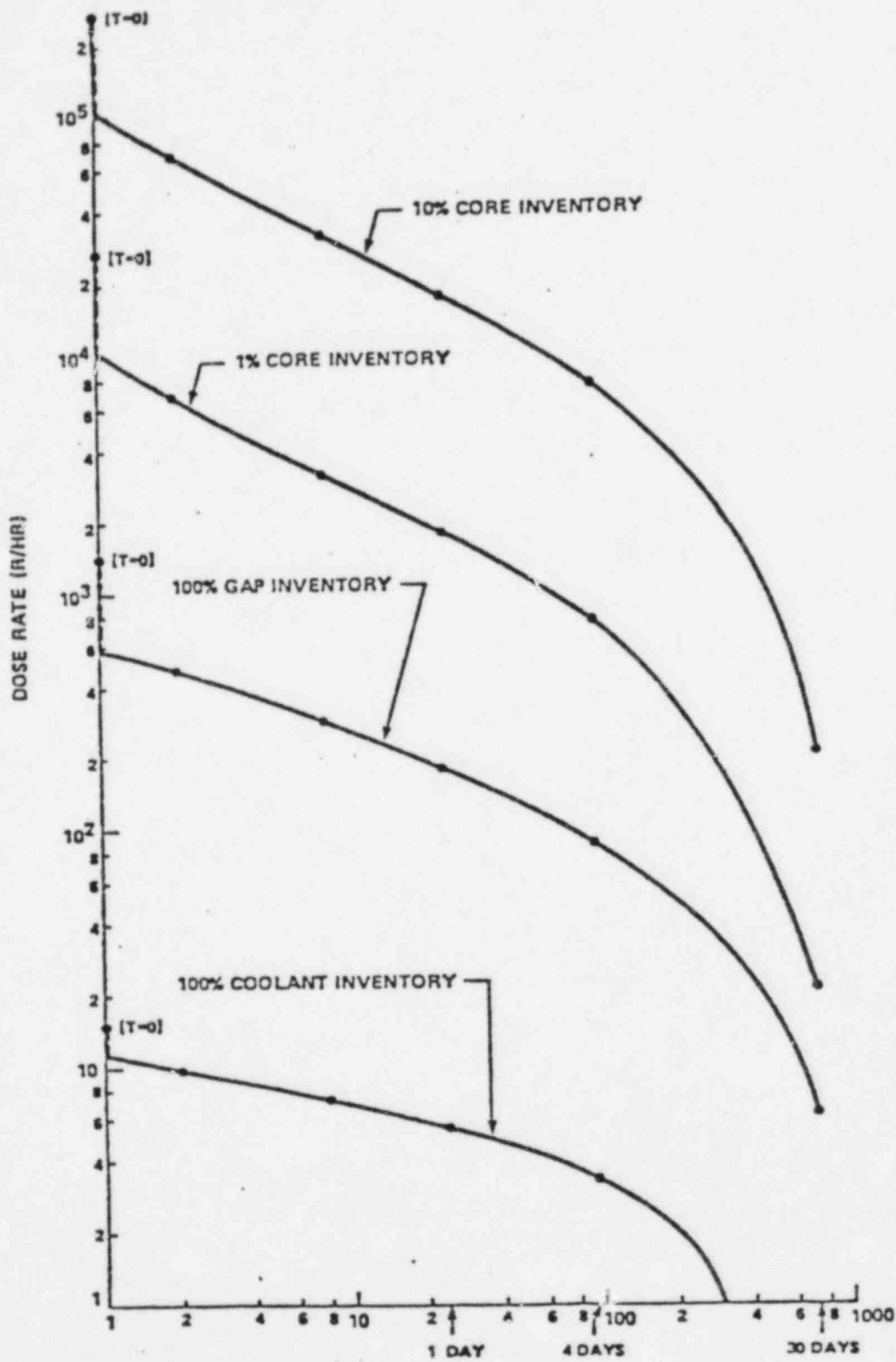
EAST-YES/NO	WEST-YES/NO
-------------	-------------

## WET COOLING TOWERS

EAST-YES/NO	WEST-YES/NO
LVL _____ IN.	LVL _____ IN.



# CONTAINMENT RADIATION PLOTS



## CONTAINMENT RADIATION PLOTS

### GENERAL GUIDELINES

Theoretical curves of gross gamma dose rate versus time are given for the range of potential source terms in Attachment 7.2.

The curves represent direct readings for the containment monitors located inside the containment.

The calculation of monitor response did not include any particulates or iodine since the noble gases are the most significant contributors to dose rate in the containment. At the worst, neglecting the particulates adds a slight amount of conservatism since the actual presence of particulates would result in a higher monitor reading.

#### NOTES

1. The curves account for the finite containment volume seen by the detector but do not account for any monitor physical or shielding characteristics or calibration uncertainties.
2. The curves assume that only airborne noble gases are significant. Sprays (if used) would make the iodine and any particulate contribution insignificant. However, particulate plateout on surfaces and direct shine doses from components may make the readings unreliable.
3. Curve uncertainties are on the order of a factor of 2 to 5.

## CONTAINMENT RADIATION PLOTS

### CONTAINMENT RADIATION PLOTS TABLE

Percent of Fuel Inventory Airborne in the Containment vs.  
Approximate Source and Damage Estimate

% Fuel		
Case Inventory*		
No.	Released	Approximate Source and Damage Estimate
1	100	100%: Regulatory Guide 1.4, 100% Fuel Damage, potential core melt
2	10	10%: Regulatory Guide 1.4 (or 100% NRC Gap Activity, Regulatory Guide 1.25), total clad failures, core partially uncovered
3	1	1%: Regulatory Guide 1.4 (or 10% NRC Gap Activity), approximately 10% clad failure
4	-	100% coolant release

\*100% Fuel Inventory = 100% Noble Gas

# WATERFORD 3 SES PLANT OPERATING MANUAL



**LOUISIANA**  
POWER & LIGHT

POM VOLUME 18  
POM SECTION 2

EP-2-110  
REVISION 1  
APPROVAL DATE: 4/12/83 Ch. 1  
EFFECTIVE DATE: Fuel Load

EMERGENCY PLAN IMPLEMENTING PROCEDURE

MAN-CAUSED EMERGENCIES

LP&L W-3 RECORDS

## CONTROLLED COPY

NO. 130

PORC Meeting No. 83-028

Reviewed: [Signature]  
PORC Chairman

Approved: [Signature]  
Plant Manager-  
Nuclear

WATERFORD 3 SES  
PLANT OPERATING MANUAL

CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-110 Title MAN-CAUSED EMERGENCIES  
Effective Date FUEL LOAD (if different from approval date)

Complete A, B, or C

A. Change No. 1  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

To correct deficiency noted during NRC E.P. Appraisal visit  
Add Effective Date

REQUIRED SIGNATURES

Originator Robert D. G. [Signature] Date 4/12/83  
Technical Review N/A Date N/A

SAFETY EVALUATION

Does this change, revision, or deletion:

YES NO

- |  |             |              |
|--|-------------|--------------|
| 1. Change the facility as described in the FSAR?   | <u>    </u> | <u>  X  </u> |
| 2. Change the procedures as described in the FSAR?   | <u>    </u> | <u>  X  </u> |
| 3. Conduct tests/experiments not described in the FSAR?  | <u>    </u> | <u>  X  </u> |
| 4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? | <u>    </u> | <u>  X  </u> |

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G. P. Bailey Date 4-12-83

Group/Dep't. Head Review G. P. Bailey Date 4-12-83

Temporary Approval\*      Date      (NOS)

Temporary Approval\*      Date     

QC Review NA [Signature] Date 4-15-83

PORC Review [Signature] Date 4-18-83 Meeting No. 83-158

Plant Manager-Nuclear Approval [Signature] Date 5/17/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.



WATERFORD 3 SES  
PLANT OPERATING MANUAL  
CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-110 Title Max-Curset-Exercises  
Effective Date \_\_\_\_\_ (if different from PM-N approval date)

Complete A, B, or C

A. Change No. N/A  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

EP-2-110 during drills found to be unclear sufficient --  
direction during Emergency Planning Exercises --

REQUIRED SIGNATURES

Originator R. Chiappini Date 11-19-82  
Technical Review G.P. Bailey Date 11-19-82

SAFETY EVALUATION

Does this change, revision, or deletion:

YES

NO

1. Change the facility as described in the FSAR? YES     NO
2. Change the procedures as described in the FSAR? YES     NO
3. Conduct tests/experiments not described in the FSAR? YES     NO
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? YES     NO

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G.P. Bailey Date 11-19-82  
Group/Dep't. Head Review G.P. Bailey Date 11-19-82

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)  
Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review L. L. Llanes Date 1-13-83

PORC Review R. R. R. R. Date 1-19-83 Meeting No. 82-028

Plant Manager-Nuclear Approval R. R. R. R. Date 1/26/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

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- 1.0 PURPOSE
- 2.0 REFERENCES
- 3.0 RESPONSIBILITIES
- 4.0 INITIATING CONDITIONS
- 5.0 PROCEDURE
  - 5.1 Evaluation
  - 5.2 Response Actions
- 6.0 FINAL CONDITIONS
- 7.0 ATTACHMENTS
  - 7.1 Major Industrial Properties Within 10 Miles of Waterford 3  
(1 page)
  - 7.2 St. Charles Parish Emergency Operations Center Emergency  
Hotline Report (1 page)
  - 7.3 St. Charles Parish Emergency Preparedness/Industrial Hot Line  
System (12 pages)

LIST OF EFFECTIVE PAGES

Title	Revision 1
1-18	Revision 1

## 1.0 PURPOSE

This procedure provides guidance in response to man-caused emergencies either from onsite or offsite sources which may affect the operation of the plant and/or the safety of station personnel.

## 2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 DOT-P-5800.2, Hazardous Materials Emergency Response Book
- 2.3 EP-1-001, Recognition and Classification of Emergency Conditions
- 2.4 EP-2-070, Protected Area Evacuation
- 2.5 EP-2-071, Site Evacuation

## 3.0 RESPONSIBILITIES

The Nuclear Operations Supervisor (NOS) or the Emergency Coordinator is responsible for ensuring that actions outlined in this procedure are carried out.

## 4.0 INITIATING CONDITIONS

This procedure is to be initiated upon being notified of a man-caused emergency in any of the following ways:

- 4.1 A report from station personnel
- 4.2 Indication from plant instrumentation
- 4.3 A report from offsite agencies or individuals (e.g., Industrial Hotline)

## 5.0 PROCEDURE

### 5.1 EVALUATION

- 5.1.1 Evaluate the situation; request/obtain information in the following areas:

- 5.1.1.1 Location
- 5.1.1.2 Nature of hazardous materials involved
- 5.1.1.3 Severity of the incident
- 5.1.1.4 Protective actions necessary
- 5.1.2 Obtain meteorological data and use Attachment 7.1 to assess the impact of any airborne hazards.
- 5.1.3 Use Reference 2.2, DOT-P-5800.2, Hazardous Materials Emergency Response Book, to evaluate the nature of the hazard where appropriate.
- 5.1.4 Classify the incident in accordance with Reference 2.3, EP-1-001, Recognition and Classification of Emergency Conditions, and carry out the immediate actions listed.

## 5.2 RESPONSE ACTIONS

- 5.2.1 Based on the results of the evaluation and in addition to the actions outlined in Reference 2.3, EP-1-001, Recognition and Classification of Emergency Conditions, carry out the following actions as appropriate:
  - 5.2.1.1 Verify/initiate Control Room HVAC Protective Functions.
  - 5.2.1.2 Initiate sheltering or evacuation of station personnel in accordance with Reference 2.4, EP-2-070, Protected Area Evacuation, and Reference 2.5, EP-2-071, Site Evacuation.
  - 5.2.1.3 If the incident is onsite, dispatch the appropriate response teams to the scene of the incident (ensure that appropriate respiratory and protective clothing are worn) to control the incident.
  - 5.2.1.4 Request offsite assistance to aid onsite response personnel.
  - 5.2.1.5 For train derailments/mishaps onsite, notify the Missouri-Pacific Railroad.

- 5.2.1.6 For an aircraft crash onsite, notify the Federal Aviation Administration.
- 5.2.1.7 For trucking mishaps, notify the trucking firm(s) involved.
- 5.2.1.8 Maintain communications with offsite agencies.
- 5.2.1.9 Continue to evaluate the situation and monitor meteorological information for changing conditions until the situation is resolved.

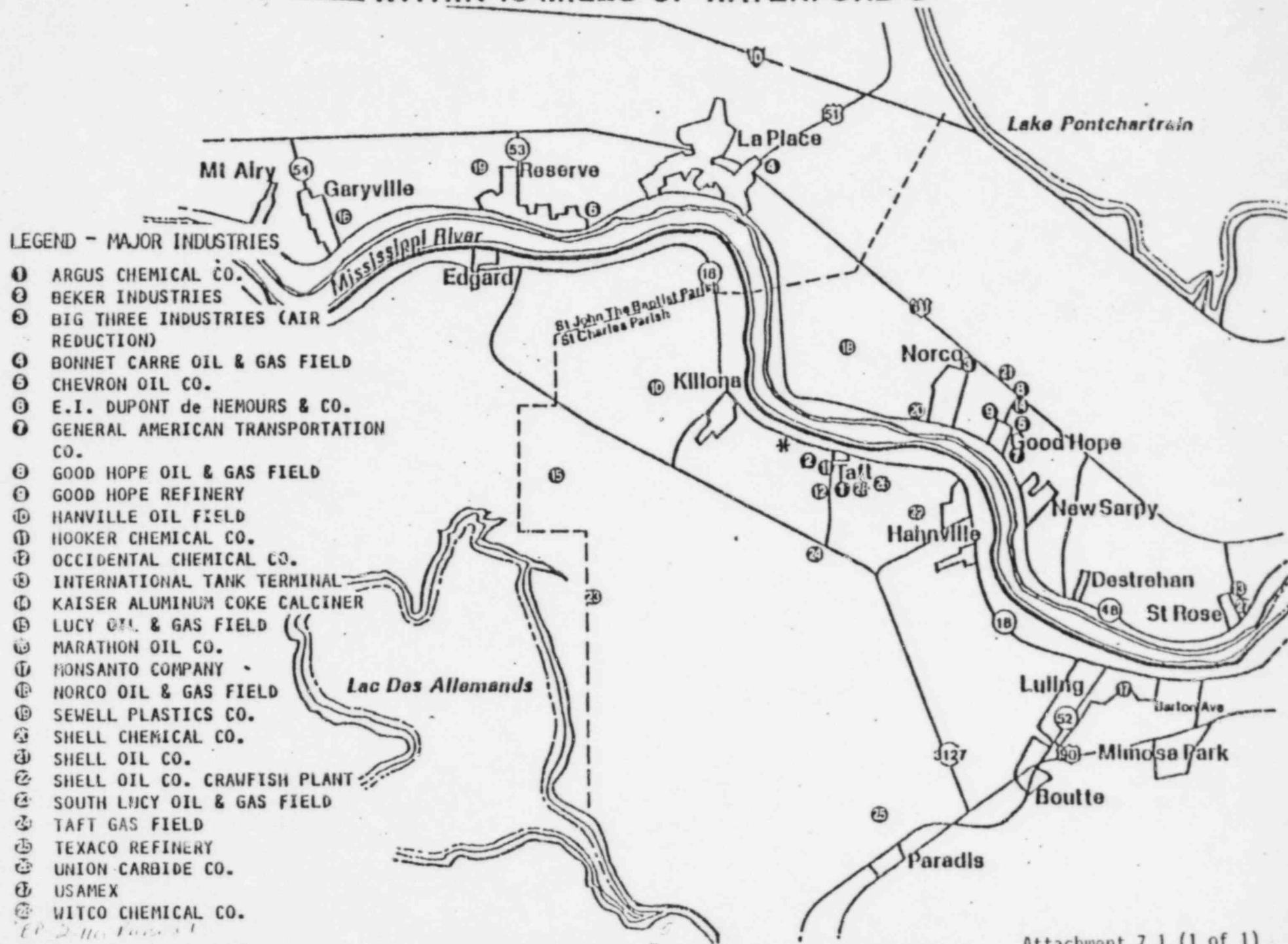
## 6.0 FINAL CONDITIONS

- 6.1 Direct the restoration of equipment and systems to pre-activation conditions.
- 6.2 Close out offsite communications.
- 6.3 Complete any actions which may have been initiated under Reference 2.3, EP-1-001, Recognition and Classification of Emergency Conditions.

## 7.0 ATTACHMENTS

- 7.1 Major Industrial Properties Within 10 Miles of Waterford 3
- 7.2 St. Charles Parish Emergency Operations Center Emergency Hotline Report
- 7.3 St. Charles Parish Emergency Preparedness/Industrial Hot Line System

# MAJOR INDUSTRIAL PROPERTIES WITHIN 10 MILES OF WATERFORD 3



ST. CHARLES PARISH EMERGENCY OPERATIONS CENTER  
EMERGENCY HOTLINE REPORT

This is the St. Charles Parish Emergency Operations Center with an Industry Hotline Initial Notification Message.

Please obtain a copy of the Industrial Hotline Initial Notification Message Report and stand by to copy.

Due to the following circumstances, an incident has been reported by:

\_\_\_\_\_  
AGENCY/PLANT/Member Industry/NAME OF PERSON PROVIDING INFORMATION/TELEPHONE

This incident/emergency is a: (circle one)

CODE 1 - ALERT (Lowest Priority)

CODE 2 - SITE EMERGENCY (Higher Priority)

CODE 3 - GENERAL ALARM (Highest Priority)

NOTIFICATION TIME: \_\_\_\_\_ hours

DATE: \_\_\_\_\_

INCIDENT DETAILS: (circle one)

FIRE

GAS RELEASE

EXPLOSION

LIQUID

OTHER: \_\_\_\_\_

SUBSTANCE INVOLVED: \_\_\_\_\_

I.D. GUIDE \_\_\_\_\_

GUIDE NUMBER \_\_\_\_\_

FLAMMABLE \_\_\_\_\_

TOXIC \_\_\_\_\_

OTHER \_\_\_\_\_

METEOROLOGICAL CONDITIONS:

WIND SPEED \_\_\_\_\_ WIND DIRECTION FROM \_\_\_\_\_

RECOMMENDED PROTECTIVE ACTIONS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

ANTICIPATED DURATION OF INCIDENT:

ESTIMATED: \_\_\_\_\_

ACTUAL \_\_\_\_\_

AFFECTED PLANTS/INDUSTRIES/SECTORS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



**ST. CHARLES PARISH EMERGENCY  
PREPAREDNESS/INDUSTRIAL  
HOT LINE SYSTEM**

**OPERATING PROCEDURE MANUAL**

## INDEX

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### ATTACHMENTS

ATTACHMENT I:	REPAIR SERVICE LISTINGS
ATTACHMENT II:	SIMPLIFIED SYSTEM SCHEMATIC
ATTACHMENT III:	EMERGENCY COMMUNICATIONS CHECKLIST

ST. CHARLES PARISH EMERGENCY PREPAREDNESS/INDUSTRIAL  
HOT LINE SYSTEM

1. PURPOSE

*This system provides a centralized communication network where emergency information can be communicated between the EOC and member industries. The EOC will coordinate all other civil agency assistance that may be necessary to respond to an emergency. The Hot Line System is to be used in conjunction with existing member industry emergency procedures.*

*The basic objective is to provide quick, effective and accurate information to the Emergency Operation Center (EOC) and member industries of an impending or actual emergency.*

## II. SYSTEM DESCRIPTION

A. This system is a private tie line between the Emergency Operation Center located at the St. Charles Parish Courthouse in Hahnville and each member industry. It is a two-way automatic ringing circuit, using South Central Bell equipment located in their Hahnville Exchange Building, and dedicated Bell System cable facilities between all locations. The system can not be accessed by anyone other than member industries and the EOC in Hahnville. It is activated by either the EOC or member industry lifting the handset from their HOT LINE telephone. Ringing voltage will be immediately applied to the called station and a ringing tone will be heard by the calling station. When the called station hears his phone ringing he lifts the handset on his HOT LINE telephone. Ringing will then be discontinued and a message or information can be exchanged at this point. The EOC has the capability to initiate, answer or add any or all of the separate HOT LINES on a conference type call if required. A noticeable transmission loss between member industries on this type call should be expected.

B. The system has a 24 hour monitoring capability with consoles in the following locations:

1. Communications Room of EOC
2. EOC Secretary's Office
3. Sheriff's Office - Radio Dispatcher's Room

C. The attached sketch {Attachment II} shows the basic design and routing of HOT LINE circuits between member industries and the EOC.

### III. ADMINISTRATIVE PROCEDURE

#### A. MEMBERSHIP:

1. Applications are obtained from the EOC Office
2. Applications approved by the Director of Emergency Preparedness are submitted to South Central Bell Marketing Division for processing
3. Survey to be made by Marketing Division and cost of installation and monthly charge proposal submitted to applicant
4. Member Industries will receive a copy of the St. Charles Emergency Preparedness/Industrial Hot Line System Procedure Manual and are responsible for their internal personnel training in the operation of the system

#### B. SYSTEM TEST

1. Each Thursday, beginning at 9:15AM, except holidays
2. EOC or Sheriff's Office will initiate a call to each member industry and each member industry will call back immediately to provide a two-way system test
3. The system conference capability will be tested weekly with random member industries by EOC or Sheriff's Office

#### IV. OPERATING PROCEDURE

##### A. SYSTEM USE AUTHORIZATION

The Hot Line System is to be used by authorized personnel of member industries only and solely for emergency communication between said industry and the Emergency Operation Center. Member organizations shall develop internal procedures designating Hot Line usage authorization and responsibility.

##### B. SYSTEM USAGE GUIDELINES

###### 1. GENERAL

It is intended that the Hot Line System be used for emergency situations in a member organization's facilities which have or are anticipated to have visibility or impact beyond the affected facility's property lines. These situations may include, but are not limited to:

- a. Unusual noises, odors, abnormal and/or extended flaring activity, etc. which may be perceived as atypical by the general public.
- b. Internal emergencies such as fires, explosions, gas or liquid releases, etc. which may be controlled by the affected industry and is unlikely to extend beyond their fence line, but may be visible to the public.
- c. Internal emergencies such as fires, explosions, gas or liquid releases, etc. which may extend beyond the affected industry's facilities.
- d. External emergencies such as hazardous material transportation accidents, pipeline leaks/ruptures, etc.

## C. SYSTEM OPERATING PROCEDURE

### 1. INDUSTRY-TO-EOC

Any situation or emergency meeting the guidelines described in B.1.a.b.c.d above should be promptly reported to EOC, and advised if any assistance is needed. The authorized affected industry representative should clearly advise the EOC of the proper emergency code and appropriate details, utilizing the Emergency Communication Checklist (Attachment III). As a requirement, when the EOC is notified of any incident, the affected industry shall advise the EOC when the condition or emergency has cleared. In the event of a CODE 2 SITE EMERGENCY or CODE 3 GENERAL ALARM, the affected industry should convey to the EOC Director the necessary information, details, and recommendations to assure the proper and appropriate civil agency support is provided.

### 2. EOC-TO-INDUSTRY

An industry or external emergency of a CODE 2 SITE EMERGENCY or CODE 3 GENERAL-ALARM nature may necessitate the EOC alerting a neighboring, downwind or otherwise potentially affected industry of the nature of the emergency so proper protective measures may be planned and/or initiated. The EOC should provide the necessary details sufficient to assure the proper protective measures can be taken.

### 3. INDUSTRY-TO-INDUSTRY

The Hot Line System is capable of providing industry-to-industry communications. When an emergency or situation necessitates industry-to-industry communication, the EOC should be requested by the affected industry to contact the requested other industry on the Hot Line conference line. This mode will enable direct, two (or more) way communication between industries and the EOC.



#### 4. EMERGENCY COMMUNICATIONS CODES

The following emergency communication codes should be used when a member industry deems it necessary to use the Hot Line System:

CODE 1 ALERT - Lowest level of priority. A minor emergency or problem such as a fire, explosion, gas or liquid release, unusual noise, unusual odor, abnormal and/or extended flaring activity or other internal event has occurred which may be visible or detectable by offsite people but for which no external action or assistance is necessary. The emergency is under control or expected to be brought under control in a short time.

CODE 2 SITE EMERGENCY - Higher level of priority - standby. A moderate emergency such as a fire, explosion, gas or liquid release, or other event has occurred which affects plant operation and for which protective action for offsite may be necessary. The emergency is not yet under control and may extend or has extended beyond the industry's control. Offsite emergency assistance would be placed in standby condition.

CODE 3 GENERAL ALARM - Highest level of priority - emergency assistance needed. A severe emergency such as a major fire, explosion, gas or liquid release, or other event has occurred which seriously affects plant operation, jeopardizes offsite areas and for which protective actions offsite will be necessary. Emergency offsite assistance would be activated and the affected public and nearby industries would be notified.

## 5. EMERGENCY COMMUNICATIONS CHECKLIST

*Member industries are expected to complete the Emergency Communications Checklist (Attachment III) at the time of an incident to assure clear and accurate information is transmitted to the EOC. This information should be conveyed in the sequence listed on the checklist. Member industries are encouraged to subsequently utilize this completed form as may be needed by internal requirements for documentation.*

V. SYSTEM REPAIR SERVICE

A. REPAIR SERVICE

1. System breakdowns or mechanical difficulties should be promptly reported to the EOC. The EOC will coordinate repairs with South Central Bell. Routine minor repairs or emergency repairs can also be coordinated by the affected member industry by calling the appropriate South Central Bell Repair Service number listed in Attachment I.

B. SYSTEM MODIFICATION

2. Any modification to the Hot Line System must be cleared through the Director of Emergency Preparedness to assure system integrity and reliability are maintained. The EOC Director will coordinate any requests for system changes between the member industry and the appropriate South Central Bell Marketing group.

## ST. CHARLES PARISH EMERGENCY PREPAREDNESS/INDUSTRY

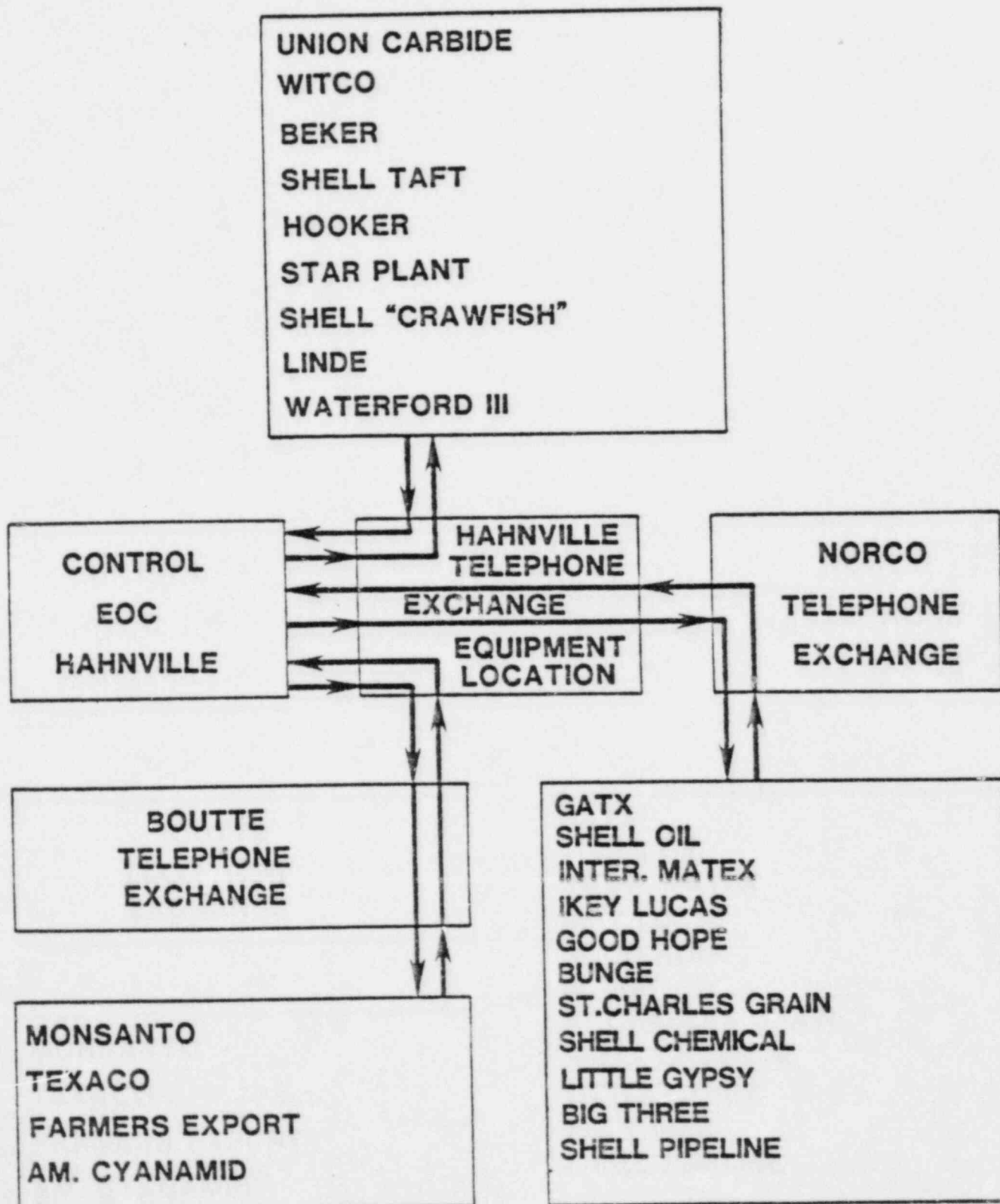
## HOT LINE SYSTEM

## REPAIR SERVICE

<u>CIRCUIT NO.</u>	<u>MEMBER INDUSTRY</u>	<u>REPAIR SERVICE NO.</u>
60PL 8406	BUNGE CORPORATION	652-9011
60PL 8418	IKEY LUCAS (HOME)	652-9011
60PL 8420	GOOD HOPE REFINERIES	652-9011
600S 1131	GATX TERMINAL (443-2511)	652-9011
60PL 8401	SHELL OIL (NORCO)	652-9011
60PL 8399	INTERNATIONAL MATEX	652-9011
60PL 8398	ST. CHARLES GRAIN	652-9011
60PL 8514	SHELL CHEMICAL (NORCO)	652-9011
60PL 8402	AMERICAN CYANAMID	822-1435
60PL 8473	FARMERS EXPORT COMPANY	822-1435
60PL 0423	TEXACO	870-1122
62PL 18012	MONSANTO	870-1122
62PL 18013	UNION CARBIDE	870-1122
62PL 18011	WITCO	870-1122
62PL 18010	BEKER	870-1122
62PL 18009	SHELL (TAFT)	870-1122
62PL 18008	HOOVER	870-1122
62PL 18057	UNION CARBIDE STAR PLANT	870-1122
62PL 18058	SHELL "CRAV FISH"	870-1122
62PL 12246	UNION CARBIDE LINDE	870-1122
62PL 18024	WATERFORD III	870-1122
60PL 8525	LITTLE GYPSY	652-9011
60PL 8625	SHELL PIPELINE	652-9011

# ST.CHARLES PARISH EMERGENCY PREPAREDNESS / INDUSTRIAL HOT LINE SYSTEM

## SIMPLIFIED SYSTEM SCHEMATIC



# WATERFORD 3 SES PLANT OPERATING MANUAL



**LOUISIANA**  
POWER & LIGHT

POM VOLUME 18  
POM SECTION 2

EP-2-120

REVISION 1

APPROVAL DATE: 4/26/83

EFFECTIVE DATE: Fuel Load

Ch. 1

4/12/83

EMERGENCY PLAN IMPLEMENTING PROCEDURE

NATURAL EMERGENCIES  
LP&L W-3 RECORDS

## CONTROLLED COPY

NO. 130

PORC Meeting No. 83-02A

Reviewed: [Signature]  
PORC Chairman

Approved: [Signature]  
Plant Manager-  
Nuclear

WATERFORD 3 SES  
PLANT OPERATING MANUAL

CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-120 Title NATURAL EMERGENCIES  
Effective Date FUEL LOAD (if different from approval date)

Complete A, B, or C

A. Change No. 1  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

To correct deficiencies noted during NRC E.P. Approval visit  
Add Effective Date

REQUIRED SIGNATURES

Originator Robert H. Gough Date 4/12/83  
Technical Review N/A Date N/A

SAFETY EVALUATION

Does this change, revision, or deletion:

YES NO

1. Change the facility as described in the FSAR? — ✓
2. Change the procedures as described in the FSAR? — ✓
3. Conduct tests/experiments not described in the FSAR? — ✓
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? — ✓

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G.P. Bailey Date 4-12-83

Group/Dep't. Head Review G.P. Bailey Date 4-12-83

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review NA Allards Date 4-15-83

PORC Review R.R. Gough Date 4-18-83 Meeting No. 83-50

Plant Manager-Nuclear Approval R.R. Gough Date 5/17/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.



WATERFORD 3 SES  
PLANT OPERATING MANUAL  
CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-120 Title Natural Frequencies  
Effective Date \_\_\_\_\_ (if different from PM-N approval date)

Complete A, B, or C

A. Change No. N/A  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

EP-1P used during drills found to be lacking sufficient  
direction during Emergency Planning Exercises

REQUIRED SIGNATURES

Originator R. Chippini Date 11-19-82  
Technical Review G.P. Bailey Date 11-19-82

SAFETY EVALUATION

Does this change, revision, or deletion:

- |  | YES | NO |
|--|-----|----|
| 1. Change the facility as described in the FSAR?   | —   | —  |
| 2. Change the procedures as described in the FSAR?   | —   | —  |
| 3. Conduct tests/experiments not described in the FSAR?  | —   | —  |
| 4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? | —   | —  |

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G.P. Bailey Date 11-19-82  
Group/Dep't. Head Review G.P. Bailey Date 11-19-82

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)  
Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review L. L. Skiffington Date 1-13-83  
PORC Review R. McManis Date 1-19-83 Meeting No. 33-018  
Plant Manager-Nuclear Approval R. Bartholomew Date 1-26-83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

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- 5.0 PROCEDURE
  - 5.1 General
  - 5.2 Tornado/Hurricane
  - 5.3 Flooding
  - 5.4 Earthquake
- 6.0 FINAL CONDITIONS
- 7.0 ATTACHMENTS
  - 7.1 List of Structurally Safe Areas to Shelter Onsite Personnel (1 page) (LATER)

LIST OF EFFECTIVE PAGES

Title	Revision 1
1-5	Revision 1

## 1.0 PURPOSE

The purpose of this procedure is to provide site specific instructions for an emergency that supplement the Louisiana Power and Light Company Organization for Major Emergency plan.

## 2.0 REFERENCES

- 2.1 Louisiana Power and Light Company Organization for Major Emergency
- 2.2 Waterford 3 SES FSAR, Chapter 16
- 2.3 Waterford 3 SES Emergency Plan
- 2.4 EP-2-070, Protected Area Evacuation
- 2.5 EP-2-071, Site Evacuation

## 3.0 RESPONSIBILITIES

The Emergency Coordinator is responsible for the implementation of this procedure.

## 4.0 INITIATING CONDITIONS

This procedure shall be initiated whenever an Unusual Event, Alert, Site Emergency or General Emergency is declared due to natural events (e.g., hurricane, flooding or tornado).

## 5.0 PROCEDURE

### 5.1 GENERAL

- 5.1.1 The Emergency Coordinator shall direct that the station alarm be sounded, at the end of which an announcement shall be made over the public address system which describes the nature of the emergency and gives a brief description of the hazard and any protective measures to be taken (e.g., site evacuation, sheltering, etc.)

- 5.1.1.1 Refer to Attachment 7.1 for a list of onsite shelter areas.

- 5.1.1.2 Refer to EP-2-070, Protected Area Evacuation or EP-2-071, Site Evacuation, as appropriate.
- 5.1.2 The Emergency Coordinator shall direct that the station alarm be sounded at the end of the above announcement.
- 5.1.3 The Emergency Coordinator shall direct overnight accommodations to be prepared, as necessary.

## 5.2 TORNADO/HURRICANE

- 5.2.1 The Emergency Coordinator shall direct the Emergency Communicator to maintain regularly scheduled communications with St. Charles Parish Emergency Operations Center (EOC) in order to obtain the latest status of meteorological conditions as applicable.
- 5.2.2 When sufficient time and manpower are available, the Emergency Coordinator shall direct performance of protective actions for plant equipment and structures in accordance with Administrative Procedure (LATER).
- 5.2.3 Keep station personnel informed until tornado conditions have abated.

## 5.3 FLOODING

- 5.3.1 If sufficient time exists, the Emergency Coordinator shall direct Security to maintain a flood watch, as required, and:
  - 5.3.1.1 Direct communications to be established between flood watch and Control Room.
  - 5.3.1.2 Direct communications to be established and maintained with U.S. Army Corps of Engineers, in order to obtain periodic status of river levee.
- 5.3.2 If flooding occurs, the Emergency Coordinator shall direct the following:
  - 5.3.2.1 Verify storm and flood doors, below flood level, in the Nuclear Plant Island Structure are closed.

Emergency Plan Implementing Procedure  
Natural Emergencies

EP-2-120  
Revision 1

- 5.3.2.2 Inspect below grade levels of the Nuclear Plant Island Structure for leakage.
- 5.3.2.3 Direct Emergency Communicator to arrange transportation (rail, boat, helicopter) for shift change, as necessary.
- 5.3.2.4 Coordinate procedure implementation with Emergency Operations Procedures (LATER).

5.4 EARTHQUAKE

- 5.4.1 The Emergency Coordinator shall direct that the seismic monitoring system be activated to record aftershocks.
- 5.4.2 The Emergency Coordinator shall direct visual inspection of the plant and site with particular attention paid to safety systems, yard tanks, transformers and intake structures.

6.0 FINAL CONDITIONS

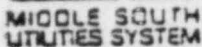
- 6.1 Natural event declared over by the Emergency Coordinator
- 6.2 Recovery organization established

7.0 ATTACHMENTS

- 7.1 List of Structurally Safe Areas to Shelter Onsite Personnel (LATER)

LIST OF STRUCTUALLY SAFE AREAS  
TO SHELTER ONSITE PERSONNEL

(LATER)



WATERFORD 3

## MISSING INFORMATION LIST

PROCEDURE NO. EP-2-120

PROCEDURE TITLE Natural emergencies  
Rev. 1

[illegible]

ALL MISSING INFORMATION ON THIS LIST HAS BEEN CLEARED

ASSIGNED AUTHOR



# WATERFORD 3 SES PLANT OPERATING MANUAL



LOUISIANA  
POWER & LIGHT

MIDDLE SOUTH  
UTILITIES SYSTEM

POM VOLUME 18  
POM SECTION 2

EP-2-130  
REVISION 1  
APPROVAL DATE: 12-18-93  
EFFECTIVE DATE: Fuel Load 13-18-93

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EMERGENCY TEAM ASSIGNMENTS

LP&L W-3 RECORDS

## CONTROLLED COPY

NO. 136

PORC Meeting No. 83-028

Reviewed: [Signature]  
PORC Chairman

Approved: [Signature]  
Plant Manager-  
Nuclear

WATERFORD 3 SES  
PLANT OPERATING MANUAL

CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-130 Title Emergency Team Assignments  
Effective Date FUEL LOAD (if different from approval date)

Complete A, B, or C

A. Change No. 1  
B. Revision No. 1  
C. Deletion NA

REASON FOR CHANGE REVISION, OR DELETION

To complete the missing information and correct  
deficiency noted during NRC E.P. Appraisal visit

REQUIRED SIGNATURES

Originator J. P. Chappin Date 3-18-83  
Technical Review J. P. Bailey Date 3-18-83

SAFETY EVALUATION

Does this change, revision, or deletion:

YES NO

- |  |     |                                     |
|--|-----|-------------------------------------|
| 1. Change the facility as described in the FSAR?   | ___ | <input checked="" type="checkbox"/> |
| 2. Change the procedures as described in the FSAR?   | ___ | <input checked="" type="checkbox"/> |
| 3. Conduct tests/experiments not described in the FSAR?  | ___ | <input checked="" type="checkbox"/> |
| 4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? | ___ | <input checked="" type="checkbox"/> |

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation J. P. Bailey Date 3-18-83  
Group/Dep't. Head Review J. P. Bailey Date 3-18-83

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)  
Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review NA Date 4-15-83

PORC Review J. P. Bailey Date 4-18-83 Meeting No. 93-158

Plant Manager-Nuclear Approval J. P. Bailey Date 5/17/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

WATERFORD 3 SES  
PLANT OPERATING MANUAL  
CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-130 Title Emergency Team Assignments  
Effective Date \_\_\_\_\_ (if different from PM-N approval date)

Complete A, B, or C

A. Change No. N/A  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

EP-2 used during drills found to be lacking sufficient  
direction during Emergency Planning Exercises

REQUIRED SIGNATURES

Originator R. Chiappini Date 11-19-82  
Technical Review GP Bailey Date 11-19-82

SAFETY EVALUATION

Does this change, revision, or deletion:

	YES	NO
1. Change the facility as described in the FSAR?	___	___
2. Change the procedures as described in the FSAR?	___	___
3. Conduct tests/experiments not described in the FSAR?	___	___
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications?	___	___

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation GP Bailey Date 11-19-82  
Group/Dep't. Head Review GP Bailey Date 11-19-82

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NCS)  
Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review B. L. Schinnerer Date 1-13-83  
PORC Review R. M. Smith Date 1-19-83 Meeting No. PS-21A  
Plant Manager-Nuclear Approval GP Bailey Date 1/26/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

Emergency Plan Implementing Procedure  
Emergency Team Assignments

EP-2-130  
Revision 1

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- 5.0 PROCEDURE
- 6.0 FINAL CONDITIONS
- 7.0 ATTACHMENTS
  - 7.1 Emergency Team Selection Sheet (1 page)
  - 7.2 Task Implementation Sheet (5 pages)

LIST OF EFFECTIVE PAGES

Title	Revision 1
1-9 4, 6-9	Revision 1
5	change 1

change 1

## 1.0 PURPOSE

This procedure provides guidance for the Emergency Coordinator in the formation of the Emergency Teams and their "back-up" provisions.

## 2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-2-081, Search and Rescue
- 2.3 EP-2-140, Reentry
- 2.4 EP-2-010, Notifications and Communications
- 2.5 EP-3-050, Emergency Response Call List

## 3.0 RESPONSIBILITIES

The Emergency Coordinator is responsible for the implementation of this procedure.

## 4.0 INITIATING CONDITIONS

- 4.1 This procedure shall be initiated upon any of the following conditions:
  - 4.1.1 Declaration of Unusual Event, Alert, Site Emergency, or General Emergency.
  - 4.1.2 As directed by the Emergency Coordinator.

## 5.0 PROCEDURE

- 5.1 Upon declaration of an emergency, the Emergency Coordinator shall assess what manpower and resources will be necessary.
- 5.2 The Emergency Coordinator shall refer to Attachment 7.1 and select the appropriate response team to be utilized.
  - 5.2.1 Attachment 7.1, Emergency Team Selection Sheet, lists the available emergency response teams and references Attachment 7.2, which describes the correct assembly of that team.

5.3 Upon selecting the appropriate team, refer to the referenced page of the attachment.

5.3.1 The referenced page of the attachment will provide the necessary information for activating the teams.

6.0 FINAL CONDITIONS

The necessary teams have been assessed and utilized.

7.0 ATTACHMENTS

7.1 Emergency Team Selection Sheet

7.1 Task Implementation Sheet

## EMERGENCY TEAM SELECTION SHEET

TEAM	ATTACHMENT
Medical Emergency - First Aid Team	7.2, p.5
Maintenance - Emergency Repair/Operations Team	7.2, p.6
Search and Rescue Team	7.2, p.7
Fire Fighting - Fire Team	7.2, p.8
Field Monitoring Team	7.2, p.9



## TASK IMPLEMENTATION SHEET

### MEDICAL EMERGENCY

#### Implementing Procedures

FP-2-200, First Aid and Medical Care  
EP-2-031, In-Plant Radiological Controls During Emergencies  
EP-2-032, Monitoring and Decontamination  
EP-3-010, Emergency Plan Training  
EP-3-040, Emergency Equipment Inventory

#### Available Hospitals

#### Telephone

Ochsner Clinic, Alton Ochsner Medical Foundation	<u>838-3460</u>
West Jefferson General Hospital	<u>1-504-347-5511</u>
St. Charles Hospital	<u>785-6242</u>

#### Ambulance Service

St. Charles Ambulance Service	<u>785-6242</u> / <i>change</i>
West Jefferson Air Care Helicopter	<u><del>1-800-382-4006</del></u>

#### First Aid Team Assembly

During normal working hours, the First Aid Team will consist of various site personnel. Call for the team to be assembled over the public address system. After normal working hours, utilize on-shift Health Physics and/or Radiochemistry technicians; both have received "First Responder" first aid training.

Locations of First Aid Kits are found in procedure EP-2-081.

TASK IMPLEMENTATION SHEET  
EMERGENCY MAINTENANCE OF PLANT FACILITIES

Implementing Procedures

EP-2-031, In-Plant Radiological Controls During Emergencies  
EP-2-140, Reentry

Repair Operations Team Assembly

Direct Operational Support Center (OSC) Supervisor to establish an Emergency Repair/Operations Team in accordance with EP-2-140, Reentry.

The OSC Supervisor will draw from station Maintenance personnel that have mustered in the OSC in response to the emergency.

7 Mechanical	6 I&C
4 Electrical	6 Computer
12 H.P. (6-30 min.)	

Additional Engineering staff may be available in the Technical Support Center (TSC). If necessary, direct additional call-outs to be made. If a protected area evacuation has occurred (Site Emergency), personnel will be available at assembly areas (contact via Security).

TASK IMPLEMENTATION SHEET  
SEARCH AND RESCUE ONSITE

Implementing Procedures

EP-2-031, In-Plant Radiological Controls During Emergencies  
EP-2-081, Search and Rescue

Team Assembly

Direct the OSC Supervisor to establish an emergency Search and Rescue Team in accordance with EP-2-081.

Search and Rescue Teams should consist of volunteers from Operations, Maintenance, Radiological Controls, and/or Security. Select members from personnel who have assembled in the OSC in response to the emergency.

7 Mechanical	6 I&C
4 Electrical	6 Computer
12 Health Physics (6, 30 min.)	

Additional personnel available: Direct the TSC Supervisor to perform further call-outs. If a protected area evacuation has occurred, personnel will be available in assembly areas.

Contact the Shift Security Supervisor to request personnel from Security.

## TASK IMPLEMENTATION SHEET

### FIRE FIGHTING

#### Implementing Procedures

FP-1-010, Fire Emergency Procedure

EP-2-110, Man-Caused Emergencies

PS-11-103, Vehicle Access

#### Fire Departments

#### Telephone

Offsite Fire Company -

(St. Charles Emergency Operations Center or  
Industrial Hotline)

783-6266

#### Fire Team Assembly

Prior to the activation of the OSC, the NOS-SS will direct the Fire Team to assemble and perform fire-fighting tasks. After the activation of the OSC, the OSC Supervisor will direct Fire Team activities. The Fire Team consists of various on-shift personnel. Back-up to the Fire Team is offsite assistance. ENSURE SECURITY IS NOTIFIED IF THE FIRE DEPARTMENT IS CALLED TO ENSURE EXPEDITIOUS ENTRY OF VEHICLES AND PERSONNEL.

Requests for the offsite fire company will be generated only through the St. Charles Industrial Hotline.

TASK IMPLEMENTATION SHEET  
FIELD MONITORING

Implementing Procedures

EP-2-060, Radiological Field Monitoring

Emergency Field Monitoring Team Assembly

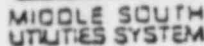
The Emergency Coordinator or the Health Physics Coordinator may direct that EP-2-060 be implemented.

The assignment of personnel to Radiation Field Monitoring Teams shall be made by the Radiological Controls Coordinator (located in the OSC). He shall select at least two individuals, one of whom shall be qualified in the operation of the field monitoring equipment. If a vehicle is used, one of the individuals must be qualified to operate the vehicle.

Personnel Available

7 Mechanical	12 Health Physics (6, 30 min.)
4 Electrical	6 I&C
	6 Computer

Additional personnel: Direct the TSC Supervisor to perform further call-outs. If a Site Emergency has been declared, personnel will also be available from assembly areas. (Protected area evacuation is in process or has occurred.)



WATERFORD 3

# MISSING INFORMATION LIST

PROCEDURE NO. EP-2-130      PROCEDURE TITLE Emergency Team  
Assignments, Rev. 1

[illegible]

ALL MISSING INFORMATION ON THIS LIST HAS BEEN CLEARED

Angela ASSIGNED AUTHOR

# WATERFORD 3 SES PLANT OPERATING MANUAL



LOUISIANA  
POWER & LIGHT

POM VOLUME 18  
POM SECTION 2

EP-2-140  
REVISION 1  
APPROVAL DATE: Jan 23 1983 ch.1  
EFFECTIVE DATE: Fuel Load 4/12/83

EMERGENCY PLAN IMPLEMENTING PROCEDURE

REENTRY

LP&L W-3 RECORDS

## CONTROLLED COPY

NO. 030

PORC Meeting No. 83-028

Reviewed: [Signature]

PORC Chairman

Approved: [Signature]

Plant Manager-  
Nuclear



WATERFORD 3 SES  
PLANT OPERATING MANUAL

CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-140 Title REENTRY  
Effective Date FUEL LOAD (if different from approval date)

Complete A, B, or C

A. Change No. 1  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

To correct deficiency noted during NRC E.P. Approval visit  
Add Effective Date

REQUIRED SIGNATURES

Originator Robert J. Guelb Date 4/12/83  
Technical Review N/A Date N/A

SAFETY EVALUATION

Does this change, revision, or deletion:

YES NO

- |  |     |          |
|--|-----|----------|
| 1. Change the facility as described in the FSAR?   | ___ | <u>✓</u> |
| 2. Change the procedures as described in the FSAR?   | ___ | <u>✓</u> |
| 3. Conduct tests/experiments not described in the FSAR?  | ___ | <u>✓</u> |
| 4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? | ___ | <u>✓</u> |

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G.P. Bailey Date 4-12-83

Group/Dep't. Head Review G.P. Bailey Date 4-12-83

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review NA - Guelb Date 4-15-83

PORC Review R.M. Schap Date 4-18-83 Meeting No. 83-158

Plant Manager-Nuclear Approval R.B. Backlund Date 5/17/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

WATERFORD 3 SES  
PLANT OPERATING MANUAL  
CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-140 Title Recirculation  
Effective Date \_\_\_\_\_ (if different from PM-N approval date)

Complete A, B, or C

A. Change No. N/A  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

EP 1P used during shifts found to be lacking sufficient  
direction during emergency planning exercises

REQUIRED SIGNATURES

Originator R. Chappini Date 11-19-82  
Technical Review gpb Date 11-19-82

SAFETY EVALUATION

Does this change, revision, or deletion:

YES NO

1. Change the facility as described in the FSAR? \_\_\_ 1
2. Change the procedures as described in the FSAR? \_\_\_ 1
3. Conduct tests/experiments not described in the FSAR? \_\_\_ 1
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? \_\_\_ 1

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation gpb Date 11-19-82  
Group/Dep't. Head Review gpb Date 11-19-82

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)  
Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review L. Skinner Date 1-13-83  
PORC Review R. McSally Date 1-19-83 Meeting No. 83-028  
Plant Manager-Nuclear Approval BB Date 1/26/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

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- 3.0 RESPONSIBILITIES
- 4.0 INITIATING CONDITIONS
- 5.0 PROCEDURE
- 6.0 FINAL CONDITIONS
- 7.0 ATTACHMENTS

LIST OF EFFECTIVE PAGES

Title	Revision 1
1-6	Revision 1

## 1.0 PURPOSE

This procedure provides both specific steps to be followed, and guidance to be considered, prior to and during the reentry of an evacuated area for the purposes of emergency repair to systems and equipment or investigative assessment of abnormal plant conditions.

### NOTE

The scope of this procedure does not include reentry into affected areas offsite. State and local agencies will coordinate any offsite recovery effort required following a Site 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-2-030, Emergency Radiation Exposure Guidelines and Controls
- 2.3 EP-2-031, In-Plant Radiological Controls During Emergencies
- 2.4 EP-2-032, Monitoring and Decontamination
- 2.5 EP-2-033, Administration of Iodine Blocking Agents
- 2.6 EP-2-070, Protected Area Evacuation
- 2.7 EP-2-071, Site Evacuation
- 2.8 EP-2-101, Operational Support Center (OSC) Activation, Operation, and Deactivation
- 2.9 EP-2-130, Emergency Team Assignments
- 2.10 EP-2-170, Recovery

### 3.0 RESPONSIBILITIES

The Operational Support Center (OSC) Supervisor is responsible for implementing this procedure.

### 4.0 INITIATING CONDITIONS

4.1 This procedure is to be initiated upon any of the following conditions:

4.1.1 Conditions that require entry into an area classified as "evacuated" according to EP-2-070, Protected Area Evacuation, or EP-2-071, Site Evacuation.

4.1.2 As directed by the Emergency Coordinator.

### 5.0 PROCEDURE

5.1 Assess the need for reentry and whether the benefits to be gained offset the potential hazards to the reentry personnel.

5.1.1 Utilize all available data including area and process monitor readings, survey data, and personnel observations to determine:

5.1.1.1 Which plant area(s) is (are) affected.

5.1.1.2 The conditions in the area, such as personnel hazards, temperature, toxic environment, and equipment condition.

5.1.1.3 Whether or not there are personnel in the area(s) who need assistance.

5.1.1.4 The time schedule, based on necessity, for reentry to commence.

5.1.2 Isolate and post areas determined to be unsafe or unnecessary to be reentered with appropriate warning signs and rope barriers (e.g., contaminated or high radiation areas).

5.2 Pre-plan reentry activities, including:

5.2.1 Protective clothing and survey equipment requirements.

5.2.2 Shielding and access control requirements.

5.2.3 Anticipated hazard protection and communications requirements.

5.3 Establish reentry teams from personnel available in the Operational Support Center, Control Room, or other assembly areas.

5.3.1 The OSC Supervisor should assign a team leader and communicator (as required).

5.3.2 The team members should be briefed on the plan of action and if radiological hazards are present, the Radiological Controls Coordinator shall conduct a briefing in accordance with EP-2-031, In-Plant Radiological Controls During Emergencies. Attachment 7.3 of EP-2-101 should be used to document the briefing.

5.3.3 The team members should complete an emergency exposure authorization form in accordance with EP-2-030, Emergency Radiation Exposure Guidelines and Controls, if high radiation levels are expected.

5.4 Ensure that personnel making the reentry are qualified for first aid, plant operations, health physics, and/or maintenance evaluations and corrective actions as necessary for the specific reentry evolution taking place.

5.5 For safety purposes, ensure that each reentry team is composed of at least two individuals.

- 5.6 For radiologically affected areas, the guidelines of EP-2-031, In-Plant Radiological Controls During Emergencies, should be followed with specific emphasis on control of exposure, including:
- 5.6.1 Assigning an individual as a control point to time personnel entry and to maintain a record of all entries into the affected area using Attachment 7.3 of EP-2-101.
  - 5.6.2 Ensuring that reentry personnel frequently check direct-reading dosimeters and withdraw to a safe area if assigned exposure limits are approached.
  - 5.6.3 Directing reentry personnel to monitor radiation levels and take periodic air samples along the reentry route and subsequently post radiation and/or contaminated area signs.
  - 5.6.4 Administering thyroid prophylaxis according to EP-2-033, Administration of Iodine Blocking Agents, if high levels of radioactive iodine are encountered.
- 5.7 For environmentally or structurally affected areas (i.e., steam leak, smoke, flooding, earthquake damage, toxic atmosphere, etc.), ensure that appropriate measures are taken for personnel safety, including:
- 5.7.1 Reducing potential hazards to reentry personnel, if possible, by actions such as ventilation purge or the securing of systems.
  - 5.7.2 Outfitting personnel with appropriate emergency equipment, such as self-contained breathing apparatus, steam suits, flashlights, tow lines, special tools and communications devices as required.
  - 5.7.3 Testing the equipment for operability prior to reentry.
  - 5.7.4 Directing reentry personnel to withdraw to a predetermined "safe area" if severe unanticipated or unplanned conditions are encountered, pending further evaluation of the reentry effort.



- 5.8 Ensure that the OSC maintains a current status board on reentry team operations and that reentry personnel log out of the OSC prior to departing on assigned reentry activities.
- 5.9 Ensure that the reentry team leader maintains continuous communications with the OSC Supervisor, if possible, or otherwise at predetermined intervals to report progress of the reentry and observed conditions.
- 5.10 Coordinate the return of the reentry team to the control point.
  - 5.10.1 Implement EP-2-032, Monitoring and Decontamination, if required.
  - 5.10.2 Debrief team members at the OSC using Attachment 7.2 of EP-2-101. If radiological hazards were present, the Radiological Controls Coordinator should also conduct a debriefing in accordance with Attachment 7.3 of EP-2-101.
  - 5.10.3 Report the results and findings of the reentry to the Emergency Coordinator.
- 5.11 Determine the need for additional reentries and, if required, for the initiation of recovery operations in accordance with EP-2-170, Recovery.

#### 6.0 FINAL CONDITIONS

- 6.1 Reentry operations have been completed and all reentry team members have been accounted for.
- 6.2 Debriefing of reentry team members has been completed and documented.

#### 7.0 ATTACHMENTS

NONE

# WATERFORD 3 SES PLANT OPERATING MANUAL



LOUISIANA  
POWER & LIGHT

PCM VOLUME 18  
PCM SECTION 2

EP-2-150  
REVISION 1  
APPROVAL DATE: JAN 16 1983 Ch. 1  
EFFECTIVE DATE: Fuel Load 4/12/83

EMERGENCY PLAN IMPLEMENTING PROCEDURE

EMERGENCY RECORDS

W-3 RECORDS  
**CONTROLLED  
COPY**

NO. 030

PORC Meeting No. 83-022

Reviewed: ARM [Signature]  
PORC Chairman

Approved: AB [Signature]  
Plant Manager-  
Nuclear

WATERFORD 3 SES  
PLANT OPERATING MANUAL

CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-150 Title EMERGENCY RECORDS  
Effective Date FEB 2000 (if different from approval date)

Complete A, B, or C

A. Change No. 1

B. Revision No. 1

C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

To correct deficiency noted during NRC E.P. Approval visit  
Add Effective Date \_\_\_\_\_

REQUIRED SIGNATURES

Originator Robert H. Gynall Date 4/12/83

Technical Review N/A Date N/A

SAFETY EVALUATION

Does this change, revision, or deletion:	YES	NO
Change the facility as described in the FSAR?	_____	<u>✓</u>
2. Change the procedures as described in the FSAR?	_____	<u>✓</u>
3. Conduct tests/experiments not described in the FSAR?	_____	<u>✓</u>
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications?	_____	<u>✓</u>

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G. P. Bailey Date 4-12-83

Group/Dep't. Head Review G. P. Bailey Date 4-12-83

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review N/A. McClelland Date 4-18-83

PORC Review R. M. Schaf Date 4-18-83 Meeting No. 83-08

Plant Manager-Nuclear Approval R. M. Schaf Date 5/17/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

WATERFORD 3 SES  
PLANT OPERATING MANUAL  
CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-2-150 Title Emergency Response  
Effective Date \_\_\_\_\_ (if different from PM-N approval date)

Complete A, B, or C

A. Change No. N/A  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

EP-2 used during drills - found to be better sufficient  
direction for drafting Emergency Planning Exercises

REQUIRED SIGNATURES

Originator R. Chapman Date 11-19-82  
Technical Review G.P. Bailey Date 11-19-82

SAFETY EVALUATION

Does this change, revision, or deletion:

- |  | YES | NO           |
|--|-----|--------------|
| 1. Change the facility as described in the FSAR?   | ___ | <u>  X  </u> |
| 2. Change the procedures as described in the FSAR?   | ___ | <u>  X  </u> |
| 3. Conduct tests/experiments not described in the FSAR?  | ___ | <u>  X  </u> |
| 4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? | ___ | <u>  X  </u> |

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation G.P. Bailey Date 11-19-82  
Group/Dep't. Head Review G.P. Bailey Date 11-19-82

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)  
Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review B. L. Engineer Date 1-13-83  
PORC Review G.P. Bailey Date 1-19-83 Meeting No. 83-028  
Plant Manager-Nuclear Approval W.B. Whitcraft Date 126/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

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  - 7.1 Communications Log (1 page)
  - 7.2 Facility Log Sheet (1 page)

## LIST OF EFFECTIVE PAGES

Title	Revision 1
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## 1.0 PURPOSE

This procedure outlines the logs/records to be maintained during an emergency and provides guidance on their final disposition.

## 2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 UNT-4-006, Control of Plant Documents and Records
- 2.3 EP-2-100, Technical Support Center (TSC) Activation, Operation, and Deactivation
- 2.4 EP-2-101, Operational Support Center (OSC) Activation, Operation, and Deactivation
- 2.5 EP-2-102, Emergency Operations Facility (EOF) Activation, Operation, and Deactivation

## 3.0 RESPONSIBILITIES

- 3.1 The Emergency Coordinator and EOF Director are responsible for ensuring that the maintenance and updating of the facility logs and forms outlined in this procedure are carried out.

## 4.0 INITIATING CONDITIONS

- 4.1 This procedure is to be initiated upon any of the following conditions:
  - 4.1.1 At the direction of the Emergency Coordinator and/or EOF Director.
  - 4.1.2 Declaration of any of the following emergency conditions:
    - 4.1.2.1 Unusual Event
    - 4.1.2.2 Alert
    - 4.1.2.3 Site Emergency

4.1.2.4 General Emergency

5.0 PROCEDURE

5.1 COMMUNICATIONS LOGS

5.1.1 Log all information transmitted or received on the Communications Log sheets (Attachment 7.1) as indicated.

5.2 EMERGENCY RESPONSE FACILITY LOGS

NOTE

Each emergency response facility activated in response to an emergency must maintain an accounting of actions undertaken within the facility during its operation.

5.2.1 Initiate a log for the facility at the time of facility activation. The log shall consist of Facility Log Sheets (see Attachment 7.2).

5.2.2 Record information on Facility Log Sheets as it becomes available. Information shall include, as a minimum:

5.2.2.1 Time and date, shift, check block of facility, enter page numbers, person manning the position (Supervisor), Log Keeper (sign name).

5.2.2.2 Names of personnel assuming staff positions in the emergency response facility.

5.2.2.3 Plant status at the time of emergency declaration.

5.2.2.4 Major steps taken under the direction of the facility staff, including time and date these actions were initiated and the individual who directed the actions be taken.



- 5.2.2.5 Important data received (e.g., change in plant status, results of radiological surveys).
- 5.2.2.6 Summation of any formal meetings conducted in relation to the emergency.
- 5.2.2.7 Recommendations given to or received from non-LP&L personnel providing support to the emergency facility.
- 5.2.2.8 Final emergency resolutions and summation of emergency facility actions in relation to the emergency facility's deactivation, including time and date of deactivation.

### 5.3 SUPPORTING RECORDS

- 5.3.1 For documents that are generated during the operation of the emergency facilities (e.g. Field Survey Results, Administration of Potassium Iodine Log), include the following information as a minimum:
  - 5.3.1.1 Time, date and author.
  - 5.3.1.2 Location in which document was generated (e.g., dose assessment area, technical assessment area).

## 6.0 FINAL CONDITIONS

### 6.1 DISPOSITION OF LOGS AND RECORDS

- 6.1.1 Collect all records and logs generated in the operation of the emergency facility after each drill, exercise, or emergency situation, etc.
- 6.1.2 Make copies of the collected records and forward the copies to the Emergency Planning Coordinator for review.
- 6.1.3 Handle all records and logs in accordance with UNT-4-006.

7.0 ATTACHMENTS

7.1 Communications Log

7.2 Facility Log Sheet

PAGE NR: \_\_\_\_\_

## COMMUNICATIONS LOG

DATE	TIME SENT	TIME RECEIVED
COMMUNICATION		
CIRCUIT USED		
MESSAGE TO	MESSAGE FROM	
MESSAGE		
TRANSMITTED/ RECEIVED BY	AUTHORIZED BY	
LY/ACTION TAKEN	DATE & TIME RECEIVED	

THIS COPY FOR COMMUNICATOR/ACTION

## FACILITY LOG SHEET

DATE: \_\_\_\_\_

ECC ☐

EOF ☐

Page \_\_\_\_\_ of \_\_\_\_\_

TIME: \_\_\_\_\_

TSC ☐

Supervisor: \_\_\_\_\_

SHIFT: \_\_\_\_\_

OSC ☐

Log Keeper: \_\_\_\_\_

Time

Event Description	Event Date	Event Time	Event Location	Event Status
...	...	...	...	...

This image shows a single sheet of white paper with horizontal black ruling lines. A vertical black line runs down the left side of the page, creating a narrow margin. The paper is otherwise blank, with no handwriting or other markings.

# WATERFORD 3 SES PLANT OPERATING MANUAL



**LOUISIANA**  
POWER & LIGHT

POM VOLUME 18  
POM SECTION 3

EP-3-060  
REVISION 1  
APPROVAL DATE: \_\_\_\_\_  
EFFECTIVE DATE: Fuel Load

Ch. 1  
4/10/83

EMERGENCY PLAN SUPPORTING PROCEDURE

EMERGENCY COMMUNICATIONS GUIDELINES

LP&L W-3 RECORDS

## CONTROLLED COPY

NO. 030

PORC Meeting No. 83-020  
Reviewed: [Signature]  
PORC Chairman  
Approved: [Signature]  
Plant Manager-  
Nuclear

CHANGE/REVISION/DELETION REQUEST

Complete A, B, or C

C. Deletion N/A

To correct deficiency noted during NRC E.P. Approval visit  
Add Effective Date

REQUIRED SIGNATURES

Originator Robert H. Byrd Date 4/12/83  
Technical Review N/A Date N/A

## SAFETY EVALUATION

Does this change, revision, or deletion:

YES NO

- |    |   |     |     |
|----|---|-----|-----|
| 1. | Change the facility as described in the FSAR?   | ___ | ___ |
|    | Change the procedures as described in the FSAR?   | ___ | ___ |
| 3. | Conduct tests/experiments not described in the FSAR?  | ___ | ___ |
| 4. | Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications? | ___ | ___ |

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation Q. P. Bailey Date 4-12-83

Group/Dep't. Head Review G. P. Bailey Date 4-12-83

Temporary Approval# \_\_\_\_\_ Date \_\_\_\_\_ (NOS)

Temporary Approval# \_\_\_\_\_ Date \_\_\_\_\_

QC Review NA, McLeod Date 4-15-92

PORC Review R. M. Schultz Date 4-18-83 Meeting No. 83-158

Plant Manager-Nuclear Approval [Signature] Date 5/17/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.

WATERFORD 3 SES  
PLANT OPERATING MANUAL  
CHANGE/REVISION/DELETION REQUEST

Procedure No. EP-3-060 Title Emergency Communications Guidelines  
Effective Date \_\_\_\_\_ (if different from PM-N approval date)

Complete A, B, or C

A. Change No. N/A  
B. Revision No. 1  
C. Deletion N/A

REASON FOR CHANGE, REVISION, OR DELETION

EP-3P used during drills found to be lacking sufficient  
directive during Emergency Planning Exercises.

REQUIRED SIGNATURES

Originator R. Chapman Date 11-19-82  
Technical Review GP Bailey Date 11-19-82

SAFETY EVALUATION

Does this change, revision, or deletion:

	YES	NO
1. Change the facility as described in the FSAR?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Change the procedures as described in the FSAR?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Conduct tests/experiments not described in the FSAR?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

1. Change the facility as described in the FSAR?
2. Change the procedures as described in the FSAR?
3. Conduct tests/experiments not described in the FSAR?
4. Create a condition or conduct an operation which exceeds, or could result in exceeding, the limits in Technical Specifications?

If the answer to any of the above is yes, complete and attach a 10 CFR 50.59 Safety Evaluation checklist.

Safety Evaluation GP Bailey Date 11-19-82  
Group/Dep't. Head Review GP Bailey Date 11-19-82

Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_ (NOS)  
Temporary Approval\* \_\_\_\_\_ Date \_\_\_\_\_

QC Review B.L. Skinner Date 1-13-83

PORC Review RM [Signature] Date 1-19-83 Meeting No. 93-029

Plant Manager-Nuclear Approval [Signature] Date 1/26/83

\*Temporary approval must be followed by Plant Manager-Nuclear approval within 14 days.



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7.0	ATTACHMENTS

LIST OF EFFECTIVE PAGES

Title	Revision 1
1-4	Revision 1

## 1.0 PURPOSE

To provide guidance on the proper techniques to be employed when conducting or transferring communications during an emergency.

## 2.0 REFERENCES

- 2.1 Waterford 3 SES Emergency Plan
- 2.2 EP-2-010, Notifications and Communications
- 2.3 EP-2-150, Emergency Records

## 3.0 RESPONSIBILITIES

The Emergency Director, EOF Director and Emergency Coordinator are responsible for ensuring that the guidelines outlined in this procedure are employed at their respective emergency response facilities.

## 4.0 INITIATING CONDITIONS

- 4.1 This procedure is to be initiated upon activation of any of the following emergency response facilities:
  - 4.1.1 Technical Support Center
  - 4.1.2 Operational Support Center
  - 4.1.3 Emergency Operations Facility
  - 4.1.4 Corporate Command Center

## 5.0 PROCEDURE

### 5.1 CONDUCT OF COMMUNICATIONS

- 5.1.1 When calling another station or individual, always identify the station or individual you are calling followed by an identification of your station, e.g.:

"Operational Support Center, this is the Technical Support Center  
. . . ."

- 5.1.2 All communications related to the emergency response generated and received by each of the emergency response facilities must be logged in accordance with EP-2-150, Emergency Records.
- 5.1.3 All messages being transmitted to non-LP&L agencies/organizations from the emergency response facilities must be authorized by individual facility supervisors.
- 5.1.4 Upon receipt of information over any of the communications systems, or when giving direction/orders in a face-to-face dialogue, always repeat back the entire message to the sender.
- 5.1.5 In sending information over any of the communications systems or when giving directions/orders in a face-to-face dialogue, keep the message short, concise and to the point.
- 5.1.6 Avoid the use of abbreviations when transmitting information, e.g.:  
"Technical Support Center," not "TSC."
- 5.1.7 Always be alert for the use of terms which might be misunderstood and avoid their use, e.g.:  
"Increase/decrease" are easily misunderstood. Use "raise/lower."
- 5.1.8 To interrupt routine communications traffic to pass urgent information, interrupt the conversation with "Silence - Urgent Message." All parties on the line should stop their conversation and allow the information to be transmitted.
- 5.1.9 Always use accepted standard terminology in conducting communications, e.g.:  
Not "Generator #2 is on-line" or "Diesel #2 is on-line"; instead use "Diesel Generator #2 is on-line."

5.2 OPERATION OF LP&L EMERGENCY PHONE TREE NETWORK

- 5.2.1 Personnel responsible for notifying other LP&L individuals shall do so by using the LP&L Emergency Phone Tree Recall and Alerting System Booklet.

6.0 FINAL CONDITIONS

Use of this procedure is to be terminated when directed by Emergency Director, EOF Director, or Emergency Coordinator at their respective facilities.

7.0 ATTACHMENTS

NONE