



May 5, 2004

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318
Independent Spent Fuel Storage Installation Docket No. 72-8
Changes to the Emergency Response Plan and Implementing Procedures

As required by 10 CFR Part 50.54(q), 10 CFR Part 50 Appendix E, V, "Implementing Procedures," 10 CFR 72.44(f), and 10 CFR 50.4(b)(5), changes to the Emergency Response Plan and Implementing Procedures are enclosed.

Should you have questions regarding this matter, please contact me at 410-495-4974.

Very truly yours,

A handwritten signature in black ink, appearing to read "E. H. Roach".

E. H. Roach

Director - Emergency Preparedness

EHR/CAN/bjd

Enclosure(s): ERPIP-106, Revision 5, Change 2
ERPIP-208, Revision 5, Change 1
ERPIP-315, Revision 7, Change 1

ERPIP-508, Revision 6, Change 1
ERPIP-760, Revision 8, Change 1
ERPIP-Contents, Revision 57, Change 0

cc: H. J. Miller, NRC (two copies)
Resident Inspector, NRC (one copy)

(Without Enclosure)
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ADHS

**CALVERT CLIFFS NUCLEAR POWER PLANT
TECHNICAL PROCEDURE**

**EMERGENCY RESPONSE PLAN
IMPLEMENTATION PROCEDURES**

ERPIP-106

**CONTROL ROOM PLANT
PARAMETERS COMMUNICATIONS (CR)**

REVISION 5

Safety Related Non-Safety Related

REFERRAL USE

Periodically refer to
procedure during use

APPROVAL AUTHORITY M. Geckle for Kevin J. Neitmann

EFFECTIVE DATE June 20, 2003



RECORD OF REVISIONS AND CHANGES

Rev.	Chg.	Summary of Revision and Changes
5	0	<p>Removed reference to ERPIP-901, <i>Communications Equipment</i>.</p> <p>Changed title of procedure and ERO positional titles to be consistent among Emergency Preparedness program plans and procedures. Change bars have not been used to show these changes.</p> <p>Attachment 1, <i>Plant Parameters Status Form</i>, updated the "SUBCOOLED MARGIN" section to reflect the new U-2 points for Channel A and B.</p> <p>Attachment 2, <i>Environmental Status Form</i>, changed units under the "WIND DIRECTION" column from degrees Celsius to degrees direction (that is, 360).</p>
04-046		Editorial correction: Wrong revision number for Attachments 1 and 2.
03-0282		Updated Plant Parameter Log Sheet for Unit-1 subcooled margin identifier to reflect new points to be installed PER ES1998011680.



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1.0 PURPOSE

This procedure provides emergency response instructions to the Control Room Plant Parameters Communicator (CR) when responding during an emergency action level called at Calvert Cliffs Nuclear Power Plant.

2.0 APPLICABILITY/RESPONSIBILITIES

2.1 Applicability

- A. This procedure applies to the Control Room Plant Parameters Communicator (CR).
- B. Performance of this procedure is in the order of Activation (Subsection 6.1), Operation (Subsection 6.2), and Deactivation (Subsection 6.3).

2.2 Responsibilities

The Control Room Plant Parameters Communicator (CR) shall:

- Report directly to the Shift Manager (CR).
- Obtain plant parameters and environmental status information.
- Maintain documentation for records retention.

3.0 REFERENCES AND DEFINITIONS

3.1 Developmental References

- A. NUREG 0654, Criteria for Preparation and Evaluation of Radiological Emergency response Plans and Preparedness in Support of Nuclear Power Plants
- B. 10 CFR 20, Standard for Protection Against Radiation
- C. 10 CFR 50.47, Emergency Plans
- D. 10 CFR 50 Appendix E to Part 50, Emergency Planning and Preparedness for Production and Utilization Facilities
- E. Calvert Cliffs Nuclear Power Plant Emergency Response Plan
- F. PR-1-101, *Preparation and Control of Calvert Cliffs Technical Procedures*



3.1 Developmental References (Continued)

- G. PR-1-103, *Use of Procedures*
- H. Technical Procedures Writer's Manual

3.2 Performance References

- A. Calvert Cliffs Nuclear Power Plant Emergency Response Plan
- B. PR-3-100, *Records Management*
- C. TSC Computer Operators Guide

3.3 Definitions

None

4.0 PREREQUISITES

4.1 Training and Qualification

Personnel performing this procedure shall be qualified on the tasks or activities contained in this procedure.

4.2 Initial Conditions

One of the following emergency events is called at Calvert Cliffs Nuclear Power Plant:

- Alert
- Site Emergency
- General Emergency

4.3 Documentation and Support

The forms in this procedure are representative of the forms used to implement the process to this procedure. Forms may be computer generated or revised without requiring a change or revision to this procedure, providing the intent is not changed, and the required information is not deleted from the existing forms.



5.0 PRECAUTIONS

Declared pregnant women and minors are not authorized to perform emergency functions.

6.0 PERFORMANCE

6.1 Activation

- A. **REPORT** to the Control Room on notification of an Alert, Site Emergency, or General Emergency.
- B. **NOTIFY** GS-Nuclear Plant Operations (CR) or Shift Manager (CR) of your presence.

6.2 Operation

- A. **ACCESS** plant parameters information on the Emergency Response Web Page.
 - 1. **SEE** logon instructions on placard at computer terminal.

NOTE:

The user will need to click on "REFRESH" before entering each set of manual revisions to parameter data.

- B. **UPDATE** information designated as manual entry.
 - 1. **IF** updating Plant Parameter data, **THEN CLICK ON** appropriate unit listed under "Control Room Plant Parameters Use Only."
 - 2. **IF** updating manual entry parameters, **THEN READ** directly from control panels or Plant Computer display.

NOTE:

Erroneous data is annotated with asterisks

- 3. **UPDATE** erroneous or missing information.



6.2 Operation (Continued)

- C. **SUBMIT** updates to Emergency Response Web Page at approximately 15-minute intervals.
- D. **UPDATE** general information in the "Common Information" Section.
 - 1. For general information (that is, Emergency Class, Unaffected Unit Status, and so forth), determine from Control Room instrumentation or log entries, or both.
- E. **IF** Emergency Response Web Page is *not* operable, **THEN SEND** Plant Parameter Status to the centers listed by any means possible (for example, facsimile machine, telephone, or runner).
 - 1. **COMPLETE** appropriate section of form
- F. **NOTIFY** the following centers of the data transmission method being used:
 - Technical Support Center
 - Emergency Operations Facility
 - Operational Support Center
 - Media Center

6.3 Deactivation

- A. **WHEN** notified of event termination, **THEN:**
 - 1. **COLLECT** records generated during the event.
 - 2. **RETURN** equipment and unused material to the designated storage locations and
DISPOSE of trash in the appropriate locations.
 - 3. **FORWARD** records to the Shift Manager (CR) for turnover to the Director – Emergency Preparedness.

7.0 POST PERFORMANCE ACTIVITIES

None



CONTROL ROOM PLANT
PARAMETERS COMMUNICATOR (CR)

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Revision 5
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ERPIP

8.0 BASES

None

9.0 RECORDS

Records generated by this procedure may be permanent, non-permanent, or lifetime radiological records depending on the circumstances under which they are generated. Records shall be captured and controlled as follows:

- A. During an actual event as described in the purpose statement of this procedure, records shall be considered **permanent** records and submitted to the Emergency Preparedness Unit for final disposition according to PR-3-100.
- Attachment 1, *Plant Parameters Status Form*
 - Attachment 2, *Environmental Status*
- B. During an actual event as described in the purpose statement of this procedure, dosimetry records, that is, any dose-related record including access history records, are considered **radiological lifetime records** and are to be handled and maintained according to standard practices and unit procedures.
- None
- C. During a drill or exercise, records generated shall be considered **non-permanent** records and submitted to the Emergency Preparedness Unit for evaluation.
- Attachment 1, *Plant Parameters Status Form*
 - Attachment 2, *Environmental Status Form*



ERPIP

PLANT PARAMETERS COMMUNICATIONS - CONTROL ROOM

ERPIP-106 Revision 5 Page 10 of 11

ATTACHMENT 1, PLANT PARAMETERS STATUS FORM

EMERGENCY CLASS: TIME DECLARED: AFFECTED UNIT: # REACTOR STATUS: CRITICAL SHUTDOWN

REACTOR COOLANT SYSTEM

Table with columns for RCS Flow Loop, Subcooled Margin, PZR Levels, PZR Press, Coolant Temp, Core Exit Temp, CVCS, and RVLMS.

UNAFFECTED UNIT STATUS: OPERATING PWR SHUTDOWN MODE

03-0282

STEAM GENERATOR STATUS

EMERGENCY SYSTEMS

Table with columns for S/G Level, S/G Pressure, Aux Feed Flow, HPSI Flow, LPSI Flow, CNTMT. Spray, and RWT Level.

MISCELLANEOUS DATA table with columns for Diesel Generator, Operable, and Non-Operable.

CONTAINMENT STATUS

RMS DATA

Table with columns for CNTM T Press, Temp, H2, Containment Sump Level, Min Vent Gas, WRNG, Containment HI Range, and Main Steam Rad. Monitor.

SIGNIFICANT PLANT PROBLEMS

Table with columns for Time and Date.

FORWARD record to emergency planning at emergency termination.

Date

**CALVERT CLIFFS NUCLEAR POWER PLANT
TECHNICAL PROCEDURE**

**EMERGENCY RESPONSE PLAN
IMPLEMENTATION PROCEDURES**

ERPIP-208

**TECHNICAL SUPPORT CENTER PLANT
PARAMETERS COMMUNICATOR (TSC)**

REVISION 5

Safety-Related

Non-Safety-Related

REFERRAL USE

Periodically refer to
procedure during use

APPROVAL AUTHORITY M. Geckle for Kevin J. Neitmann

EFFECTIVE DATE June 20, 2003



RECORD OF REVISIONS AND CHANGES

Rev.	Chg.	Summary of Revision and Changes
5	0	<p>Removed reference to ERPIP-901, <i>Communications Equipment</i>.</p> <p>Changed title of procedure and ERO positional titles to be consistent among Emergency Preparedness program plans and procedures. Change bars have not been used to show these changes.</p> <p>Added information to step 6.2.C indicating that there is a placard at the computer terminal at the Technical Support Center that displays information on how to access the Emergency Response Web Page.</p> <p>Attachment 1, <i>Plant Parameters Status Form</i>, updated the "SUBCOOLED MARGIN" section to reflect the new U-2 points for Channel A and B.</p> <p>Attachment 2, <i>Environmental Status Form</i>, changed units under the "WIND DIRECTION" column from degrees Celsius to degrees direction (that is, 360).</p>
03-0282		<p>Updated Plant Parameter Log Sheet for Unit-1 subcooled margin identifier to reflect new points to be installed PER ES1998011680.</p>



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**1.0 PURPOSE**

This procedure provides emergency response instructions for the Technical Support Center Plant Parameters Communicator (TSC) when responding during an emergency action level called at Calvert Cliffs Nuclear Power Plant.

2.0 APPLICABILITY/RESPONSIBILITIES**2.1 Applicability**

- A. This procedure applies to the Technical Support Center Plant Parameters Communicator (TSC).
- B. Performance of this procedure is in the order of Activation (Subsection 6.1), Operation (Subsection 6.2), and Deactivation (Subsection 6.3).

2.2 Responsibilities

- C. The Technical Support Center Plant Parameters Communicator (TSC) shall:
 - 1. Report directly to the Technical Support Center Director (TSC).
 - 2. Obtain plant parameters and environmental status information.
 - 3. Update status boards.
 - 4. Maintain documentation for records retention.

3.0 REFERENCES AND DEFINITIONS**3.1 Developmental References**

- A. NUREG 0654, Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants
- B. 10 CFR 20, Standard for Protection Against Radiation
- C. 10 CFR 50.47, Emergency Plans
- D. 10 CFR 50 Appendix E to Part 50, Emergency Planning and Preparedness for Production and Utilization Facilities
- E. Calvert Cliffs Nuclear Power Plant Emergency Response Plan



3.1 Developmental References (Continued)

- F. PR-1-101, *Preparation and Control of Calvert Cliffs Technical Procedures*
- G. PR-1-103, *Use of Procedures*
- H. Technical Procedures Writer's Manual

3.2 Performance References

- A. Calvert Cliffs Nuclear Power Plant Emergency Response Plan
- B. PR-3-100, *Records Management*
- C. TSC Computer Operators Guide

3.3 Definitions

None

4.0 PREREQUISITES

4.1 Training and Qualification

Personnel performing this procedure shall be qualified on the tasks or activities contained in this procedure.

4.2 Initial Conditions

One of the following emergency events is called at Calvert Cliffs Nuclear Power Plant:

- Alert
- Site Emergency
- General Emergency

5.0 PRECAUTIONS

Declared pregnant women and minors are not authorized to perform emergency functions.



ERPIP

6.0 PERFORMANCE

6.1 Activation [B-1]

- A. **REPORT** to the Technical Support Center on notification of an Alert, Site Emergency, or General Emergency.
- B. **NOTIFY** Technical Support Center Director (TSC) of your presence.

6.2 Operation

- A. **ACTIVATE** the three TSC Computer workstations.
 1. **TURN ON** the computer, monitor, and printer.
 2. **RESPOND** to screen prompt by pressing <Ctrl + Alt + Del> to log on.
- B. **RETRIEVE** plant parameter status data from the TSC Computer (sample form shown as Attachment 1, *Plant Parameters Status Form*).
 1. **IF** the TSC Computer is not operable, **THEN GO TO** step 6.2.C.
 2. **ENTER** password "BGE" (this is case sensitive) at prompt and **PRESS** <Enter>.

NOTE:

Main Vent Gas Monitor indication for U-1 "R5415A" is only available from the U-2 TSC point display. The Unit 2 icon from the "BG&E SDS" group will need to be selected for R5415A indication.

3. **SELECT** the affected Unit icon from the group labeled "BG&E SDS": Unit 1, Unit 2 or SIMTSC (for drills).
4. **TYPE** "GD PPSTAT1" at the prompt on the main screen (yellow box at the top of screen) and **PRESS** <Enter>.

**6.2 Operation (Continued)**

5. **PRINT** data as necessary (page 1 & 2).
 - a. **SELECT** *Print* from the tool bar.
 - b. **PRESS** <Page Up> and <Page Down> keys to change from page 1 to 2.
 - c. **CLICK** on *Print*.
6. **REPEAT** steps 6.2.B.3, 6.2.B.4, and 6.2.B.5 as necessary for "GD PPSTAT2."
7. **REPORT** significant plant parameter changes to the Technical Support Center Director (TSC).

NOTE:

Clicking on "REFRESH" will retrieve the most current data.

There is a placard at the terminal with further instructions on scanner use.

- C. **RETRIEVE** information from the Emergency Response Web Page.
 1. **SEE** the placard at the computer for Emergency Response Web Page log on instructions.
 2. **Environmental Status form** (sample shown as Attachment 2, *Environmental Data Form*).
- D. **IF** both the TSC computer and the Emergency Response Web Page are *not* operable, **THEN:**
 1. **NOTIFY** Control Room Plant Parameter Communicator (CR).
 2. **REQUEST** plant parameters and environmental data be transmitted by facsimile, telephone, or runner.
- E. **UPDATE** plant parameter and environmental data status boards.



6.3 Deactivation

A. WHEN notified of event termination, THEN:

1. DEACTIVATE the TSC computer workstation.
 - a. PRESS <Esc> to return to main screen.
 - b. PRESS <X> on keyboard (X will appear at SDS LOGO on top right of screen).
 - c. PRESS <Enter>.
 - d. SELECT *File* from Program Manager group.
 - e. SELECT *Shutdown* from File menu.
 - f. SELECT *Shutdown* from Shutdown Computer window AND then OK.
 - g. TURN OFF computer, CRT and printer.
2. SHUTDOWN the Control Room Plant Parameter Communicator's (CR) computer used to access the Emergency Response Web Page.
3. COLLECT records generated during the event.
4. RETURN equipment and unused material to the designated storage locations and

DISPOSE of trash in the appropriate locations.
5. FORWARD records to Technical Support Center Director (TSC) for turnover to the Director – Emergency Preparedness (TSC).

7.0 POST PERFORMANCE ACTIVITIES

None

8.0 BASES

[B-1] AIT IR200000788 Milestone #8.



9.0 RECORDS

Records generated by this procedure may be permanent, non-permanent, or lifetime radiological records depending on the circumstances under which they are generated. Records shall be captured and controlled as follows:

- A. During an actual event as described in the purpose statement of this procedure, records shall be considered **permanent** records and submitted to the Emergency Preparedness Unit for final disposition according to PR-3-100.
 - Attachment 1, *Plant Parameters Status Form*
 - Attachment 2, *Environmental Status Form*
- B. During an actual event as described in the purpose statement of this procedure, dosimetry records, that is, any dose-related record including access history records, are considered **radiological lifetime records** and are to be handled and maintained according to standard practices and unit procedures.
 - None
- C. During a drill or exercise, records generated shall be considered **non-permanent** records and submitted to the Emergency Preparedness Unit for evaluation.
 - Attachment 1, *Plant Parameters Status Form*
 - Attachment 2, *Environmental Status Form*



**PLANT PARAMETERS COMMUNICATOR -
TECHNICAL SUPPORT CENTER**

ATTACHMENT 1, PLANT PARAMETERS STATUS FORM

EMERGENCY CLASS: _____ TIME DECLARED: _____ AFFECTED UNIT: # _____
 REACTOR STATUS: CRITICAL _____ SHUTDOWN _____

REACTOR COOLANT SYSTEM

PPSTAT1																		
TIME	RCS FLOWLOOP (%)		SUBCOOLED MARGIN (°F)		PZR LEVELS (INCHES)		PZR PRESS (PSIA)	COOLANT TEMP. °F						CORE EXIT TEMP (°F)	CVCS		RVLMS	
	1	2	1	2	HOT	COLD/COMP		LOOP 1			LOOP 2				LETDN. FLOW (gpm)	CHARGE FLOW (gpm)	CH A (IN)	CH B (IN)
								TH (°F)	Tc (°F)	(°F)	TH (°F)	Tc (°F)	(°F)					
	F111A	F121A	TSCM RCSCA	TSCM RCSCB	L110X L110Y	L110X L110Y	P105A	T112 HA	T112 CA	T112 CB	T122 HA	T122 CA	T122 CB	TO1	F202	F212	L21A - L28A	L21B - L28B

UNAFFECTED UNIT STATUS: # _____
OPERATING
PWR _____ %
SHUTDOWN
MODE _____

03-0282

STEAM GENERATOR STATUS

EMERGENCY SYSTEMS

PPSTAT2																
TIME	S/G LEVEL (inches)		S/G PRESSURE (psig)		AUX FEED FLOW (gpm)				HPSI FLOW (gpm)				LPSI FLOW (gpm)	CNTMT. SPRAY (gpm)		RWT LEVEL (ft)
	1	2	1	2	1	2	1	2	1		2		F308	1	2	L4143
									F4509 TURB	F4510 TURB	F4524 MTR	F4534 MTR				
	L1114D	L1124D	P3991	P4008	F4509 TURB	F4510 TURB	F4524 MTR	F4534 MTR	F311%	F321%	F331%	F341%	F308	F4148%	F4149%	L4143

MISCELLANEOUS DATA		
OFFSITE POWER: AVAILABLE	()	
NOT AVAILABLE	()	
DESEL GENERATOR	OPERABLE	NON-OPERABLE
1A	()	()
1B	()	()
2A	()	()
2B	()	()
0C	()	()

CONTAINMENT STATUS

RMS DATA

PPSTAT2																
TIME	CNTM T PRESS (psig)	TEMP (°F)	H ₂ (%)	H ₂ (Volts)	H ₂ (%)	H ₂ (Volts)	CONTAINMENT SUMP LEVEL (WR IN)		MN VENT GAS (uCi/sec) U-2 TSC only		WRNG (uCi/sec)	CONTAINMENT HI RANGE (R/h)		MAIN STEAM RAD. MONITOR (R/h)		
	P5310	T5309	A6519X	A6519Y	A6527X	A6527Y	L4146	L4147	U-1	U-2	R5415I	CH A	CH B	R5421I	R5422I	

SIGNIFICANT PLANT PROBLEMS

TIME	

FORWARD record to Emergency Preparedness at emergency termination.

Date _____

**CALVERT CLIFFS NUCLEAR POWER PLANT
TECHNICAL PROCEDURE**

**EMERGENCY RESPONSE PLAN
IMPLEMENTATION PROCEDURES**

ERPIP-315

**OPERATIONAL SUPPORT CENTER
PLANT PARAMETERS COMMUNICATOR (OSC)**

REVISION 7

Safety-Related X

Non-Safety-Related

REFERRAL USE

Periodically refer to
procedure during use

APPROVAL AUTHORITY M. Geckle for Kevin J. Neitmann

EFFECTIVE DATE June 20, 2003



RECORD OF REVISIONS AND CHANGES

Rev.	Chg.	Summary of Revision and Changes
7	0	<p>Removed reference to ERPIP-901, <i>Communications Equipment</i>.</p> <p>Changed title of procedure and ERO positional titles to be consistent among Emergency Preparedness program plans and procedures. Change bars have not been used to show these changes.</p> <p>Added information to step 6.2.C indicating that there is a placard at the computer terminal at the Technical Support Center that displays information on how to access the Emergency Response Web Page.</p> <p>Attachment 1, <i>Plant Parameters Status Form</i>, updated the "SUBCOOLED MARGIN" section to reflect the new U-2 points for Channel A and B.</p> <p>Attachment 2, <i>Environmental Status Form</i>, changed units under the "WIND DIRECTION" column from degrees Celsius to degrees direction (that is, 360).</p>
03-0282		<p>Updated Plant Parameter Log Sheet for Unit-1 subcooled margin identifier to reflect new points to be installed PER ES1998011680.</p>



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ERPIP

1.0 PURPOSE

This procedure provides emergency response instructions to the Operational Support Center Plant Parameters Communicator (OSC) when responding during an emergency action level called at Calvert Cliffs Nuclear Power Plant.

2.0 APPLICABILITY/RESPONSIBILITIES

2.1 Applicability

- A. This procedure applies to the Operational Support Center Plant Parameters Communicator (OSC).
- B. Performance of this procedure is in the order of Activation (Subsection 6.1), Operation (Subsection 6.2), and Deactivation (Subsection 6.3).

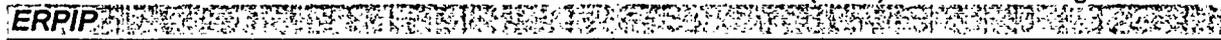
2.2 Responsibilities

- A. The Operational Support Center Plant Parameters Communicator (OSC) shall:
 - 1. Report directly to the Operational Support Center Director (OSC).
 - 2. Obtain plant parameters, environmental, and RMS data status information.
 - 3. Update status boards.
 - 4. Maintain documentation for records retention.

3.0 REFERENCES AND DEFINITIONS

3.1 Developmental References

- A. NUREG 0654, Criteria for Preparation and Evaluation of Radiological Emergency response Plans and Preparedness in Support of Nuclear Power Plants
- B. 10 CFR 50.47, Emergency Plans
- C. 10 CFR 50 Appendix E to Part 50, Emergency Planning and Preparedness for Production and Utilization Facilities
- D. Calvert Cliffs Nuclear Power Plant Emergency Response Plan
- E. PR-1-101, *Preparation and Control of Calvert Cliffs Technical Procedures*



3.1 Developmental References (Continued)

- F. PR-1-103, *Use of Procedures*
- G. Technical Procedures Writer's Manual

3.2 Performance References

- A. Calvert Cliffs Nuclear Power Plant Emergency Response Plan
- B. PR-3-100, *Records Management*
- C. TSC Computer Operators Guide

3.3 Definitions

None

4.0 PREREQUISITES

4.1 Training and Qualification

Personnel performing this procedure shall be qualified on the tasks or activities contained in this procedure.

4.2 Documentation and Support

Forms needed to implement this procedure are contained as attachments to this procedure. Forms may be computer generated or revised without requiring a change or revision to this procedure, providing the intent is not changed, and the required information is not deleted from the existing forms.

4.3 Initial Conditions

One of the following emergency events is called at Calvert Cliffs Nuclear Power Plant:

- Alert
- Site Emergency
- General Emergency



ERPIP

5.0 PRECAUTIONS

Declared pregnant women and minors are not authorized to perform emergency functions.

6.0 PERFORMANCE

6.1 Activation

- A. **REPORT** to the Operational Support Center on notification of an Alert, Site Emergency, or General Emergency.
- B. **NOTIFY** the Operational Support Center Director (OSC) of your presence.

6.2 Operation

- A. **ACTIVATE** the TSC Computer workstation.
 1. **TURN** on the computer, monitor, and printer.
 2. **RESPOND** to screen prompt by pressing <Ctrl + Alt + Del> to log on.
- B. **RETRIEVE** plant parameter status data from the TSC Computer (sample form shown as Attachment 1, *Plant Parameters Status Form*).
 1. **IF** the TSC computer is not operable, **THEN GO TO** step 6.2.C.

NOTE:

Main Vent Gas monitor indication for U-1 "R5415A" is only available from the U-2 TSC point display. The Unit 2 icon from the "BG&E SDS" group will need to be selected for R5415A indication.

2. **SELECT** affected Unit icon: Unit 1, Unit 2 or SIMTSC (for drills).
3. **TYPE** "GD PPSTAT1" at the prompt on the main screen (yellow box at the top of screen) and
PRESS <Enter>.



6.2 Operation (Continued)

4. **PRINT** data as necessary (page 1 & 2).
 - a. **SELECT** *Print* from the tool bar.
 - b. **PRESS** <Page Up> and <Page Down> keys to change from page 1 to 2.
 - c. **CLICK** on *Print*.
5. **REPEAT** steps 6.2.B.4 and 6.2.B.5 above for "GD PPSTAT2."
6. **REPORT** significant plant parameter changes to the Operational Support Center Director (OSC).

NOTE:

Clicking on "REFRESH" will retrieve the most current data.

There is a placard at the terminal with further instructions on scanner use.

- C. **RETRIEVE** information from the Emergency Response Web Page.
 1. **SEE** the placard at the computer for Emergency Response Web Page log on instructions.
 - a. Environmental Status Form (sample shown as Attachment 2, *Environmental Data Form*).
 - b. RMS Status data (sample shown as Attachment 3, *RMS status Data Form*).
- D. **IF** both the TSC Computer and Emergency Response Web Page are *not* operable, **THEN:**
 1. **NOTIFY** Control Room Plant Parameter Communicator (CR).
 2. **REQUEST** plant parameters and environmental data be transmitted by facsimile, telephone, or runner.
- E. **UPDATE** plant parameter and environmental status boards.
- F. **DISTRIBUTE** environmental status **AND** RMS status data to the Radiation Protection Director (OSC).



6.3 Deactivation

A. WHEN notified of event termination, THEN:

1. DEACTIVATE the TSC computer workstation.
 - a. PRESS <Esc> to return to main screen.
 - b. PRESS <X> on keyboard (X will appear at SDS LOGO on top right of screen).
 - c. PRESS <Enter>.
 - d. SELECT *File* from Program Manager group.
 - e. SELECT *Shutdown* from File menu.
 - f. SELECT *Shutdown* from Shutdown Computer window AND then select OK.
 - g. TURN OFF computer, CRT and printer.
2. SHUTDOWN the Operational Support Center Plant Parameter Communicator's (OSC) computer used to access the Emergency Response Web Page.
3. COLLECT records generated during the event.
4. RETURN equipment and unused material to the designated storage locations and
DISPOSE of trash in the appropriate locations.
5. FORWARD records to Operational Support Center Director (OSC) for turnover to the Director – Emergency Preparedness (OSC).

7.0 POST PERFORMANCE ACTIVITIES

None

8.0 BASES

[B-1] AIT IR200000788 Milestone #8.



9.0 RECORDS

Records generated by this procedure may be permanent, non-permanent, or lifetime radiological records depending on the circumstances under which they are generated. Records shall be captured and controlled as follows:

- A. During an actual event as described in the purpose statement of this procedure, records shall be considered **permanent** records and submitted to the Emergency Preparedness Unit for final disposition according to PR-3-100.
 - Attachment 1, *Plant Parameters Status Form*
 - Attachment 2, *Environmental Status Form*
 - Attachment 3, *RMS Data Form*
- B. During an actual event as described in the purpose statement of this procedure, dosimetry records, that is, any dose-related record including access history records, are considered **radiological lifetime records** and are to be handled and maintained according to standard practices and unit procedures.
 - None
- C. During a drill or exercise, records generated shall be considered **non-permanent** records and submitted to the Emergency Preparedness Unit for evaluation.
 - Attachment 1, *Plant Parameters Status Form*
 - Attachment 2, *Environmental Status Form*
 - Attachment 3, *RMS Data Form*



PLANT PARAMETERS COMMUNICATOR -
OPERATIONAL SUPPORT CENTER

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ERPIP

ATTACHMENT 1, PLANT PARAMETERS STATUS FORM

EMERGENCY CLASS: _____ TIME DECLARED: _____ AFFECTED UNIT: # _____
REACTOR STATUS: CRITICAL _____ SHUTDOWN _____

REACTOR COOLANT SYSTEM

TIME	RCS FLOW LOOP		SUBCOOLED MARGIN		PZR LEVELS		PZR PRESS	COOLANT TEMP. °F						CORE EXIT TEMP	CVCS		RVLMS	
	1	2	1	2	HOT	COLD/COMP		LOOP 1			LOOP 2				LETDN. FLOW	CHARGE FLOW	CHA	CHB
								Th	Tc	Tc	Th	Tc	Tc					
	F111A	F121A	TSCM RCSA	TSCM RCSB	L110X L110Y	L110XI L110YI	P105A	T112 HA	T112 CA	T112 CB	T122 HA	T122 CA	T122 CB	TO1	F202	F212	L21A - L28A	L21B - L28B

UNAFFECTED UNIT STATUS: # _____

OPERATING

PWR _____ %

SHUTDOWN

MODE _____

03-0282

STEAM GENERATOR STATUS

EMERGENCY SYSTEMS

TIME	S/G LEVEL		S/G PRESSURE		AUX FEED FLOW				HPSI FLOW				LPSI FLOW	CNTMT. SPRAY		RWT LEVEL
	(inches)		(psig)		(gpm)				(gpm)				(gpm)	(gpm)		(ft)
	1	2	1	2	1	2	1	2	A	B	A	B	F306	1	2	L4143
	L1114D	L1124D	P3991	P4008	F4509 TURB	F4510 TURB	F4524 MTR	F4534 MTR	F311%	F321%	F331%	F341%	F306	F4148%	F4149%	L4143

MISCELLANEOUS DATA

OFFSITE POWER: AVAILABLE ()
NOT AVAILABLE ()

DIESEL GENERATOR	OPERABLE	NON-OPERABLE
1A	()	()
1B	()	()
2A	()	()
2B	()	()
0C	()	()

CONTAINMENT STATUS

RMS DATA

TIME	CNTMT PRESS	TEMP	H ₂				CONTAINMENT SUMP LEVEL	MN VENT GAS		WRNG	CONTAINMENT HI RANGE		MAIN STEAM RAD. MONITOR		
			(%)	(Volts)	(%)	(Volts)		(uCi/sec)	(uCi/sec)		(R/h)	(R/h)	(R/h)	(R/h)	
			(psig)	(°F)	(%)	(Volts)		(%)	(Volts)		U-1	U-2	CH A	CH B	R5421I
	P5310	T5309	A6519X	A6519Y	A6527X	A6527Y	L4146	L4147	R5415A	R5415B	R5415I	R5317AI	R5317BI	R5421I	R5422I

SIGNIFICANT PLANT PROBLEMS

TIME	

FORWARD record to Emergency Preparedness at emergency termination.

Date _____

**CALVERT CLIFFS NUCLEAR POWER PLANT
TECHNICAL PROCEDURE**

**EMERGENCY RESPONSE PLAN
IMPLEMENTATION PROCEDURES**

ERPIP-508

**EMERGENCY OPERATIONS FACILITY
PLANT PARAMETERS COMMUNICATOR (EOF)**

REVISION 6

REFERRAL USE

Periodically refer to procedure during use.

Safety Related Non-Safety Related

APPROVAL AUTHORITY M. Geckle for Kevin J. Neitmann

EFFECTIVE DATE June 20, 2003



RECORD OF REVISIONS AND CHANGES

Rev.	Chg.	Summary of Revision and Changes
6	0	<p>Changed title of procedure.</p> <p>Changed title of procedure and ERO positional titles to be consistent among Emergency Preparedness program plans and procedures. Change bars have not been used to show these changes.</p> <p>Replaced specific MaxMate directions under step 6.2.J with reference to job aid/placard at computer terminal.</p> <p>Removed references to ERPIP-901, <i>Communications Equipment</i>.</p> <p>Deleted the word "printer" in the following steps:</p> <ul style="list-style-type: none">• 6.2.A.1• 6.3.A.1.g <p>The printer is hardwired with the computer and does not need to be turned on or off.</p> <p>Made minor changes to procedure to be consistent with the Technical Procedures Writer's Manual. These changes have not been identified with revision bars.</p>
03-0282		<p>Updated Plant Parameter Log Sheet for Unit-1 subcooled margin identifier to reflect new points to be installed PER ES1998011680.</p>



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ERPIP

1.0 PURPOSE

This procedure provides emergency response instructions to the Emergency Operations Facility Plant Parameters Communicator (EOF) when responding to an emergency action level called at Calvert Cliffs Nuclear Power Plant.

2.0 APPLICABILITY/SCOPE/RESPONSIBILITIES

2.1 Applicability

- A. This procedure applies to the Emergency Operations Facility Plant Parameters Communicator (EOF).
- B. Performance of this procedure is in the order of Activation (Subsection 6.1), Operation (Subsection 6.2) and Deactivation (Subsection 6.3).

2.2 Scope

Performance of the actions in the order they are presented in Subsection 6.2, Operation, is not mandatory provided Subsection 6.1, Activation, has been completed.

2.3 Responsibilities

- A. The Emergency Operations Facility Plant Parameters Communicator (EOF) shall:
 - 1. Report directly to the Emergency Operations Facility Director (EOF).
 - 2. Obtain plant parameters and environmental status information.
 - 3. Update status boards.
 - 4. Maintain documentation for records retention.

3.0 REFERENCES AND DEFINITIONS

3.1 Developmental References

- A. NUREG 0654, Criteria for Preparation and Evaluation of Radiological Emergency response Plans and Preparedness in Support of Nuclear Power Plants
- B. 10 CFR 50.47, Emergency Plans



3.1 Developmental References (Continued)

- C. 10 CFR 50 Appendix E to Part 50, Emergency Planning and Preparedness for Production and Utilization Facilities
- D. Calvert Cliffs Nuclear Power Plant Emergency Response Plan
- E. PR-1-101, *Preparation and Control of Calvert Cliffs Technical Procedures*
- F. PR-1-103, *Use of Procedures*
- G. Technical Procedures Writer's Manual

3.2 Performance References

- A. Calvert Cliffs Nuclear Power Plant Emergency Response Plan
- B. PR-3-100, *Records Management*
- C. TSC Computer Operators Guide

3.3 Definitions

None

4.0 PREREQUISITES

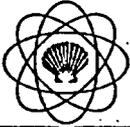
4.1 Training and Qualification

Personnel performing this procedure shall be qualified on the tasks or activities contained in this procedure.

4.2 Initial Conditions

One of the following emergency action levels is called at Calvert Cliffs Nuclear Power Plant:

- Alert
- Site Emergency
- General Emergency



ERPIP

4.3 Documentation and Support

Forms needed to implement this procedure are contained as attachments to this procedure. Forms may be computer generated or revised without requiring a change or revision to this procedure, providing the intent is not changed, and the required information is not deleted from the existing forms.

5.0 PRECAUTIONS

Declared pregnant women and minors are not authorized to perform emergency functions.

6.0 PERFORMANCE

6.1 Activation

- A. **REPORT** to the Emergency Operations Facility on notification of an Alert, Site Emergency, or General Emergency.
- B. **NOTIFY** Emergency Operations Facility Director (EOF) of your presence.

NOTE:

The steps in Subsection 6.2 may be performed in any order.

6.2 Operation

- A. **ACTIVATE** the TSC computer workstation.
 - 1. **TURN** on the computer, monitor, and printer.
 - 2. **RESPOND** to screen prompt by pressing <Ctrl + Alt + Del> to log on.
- B. **RETRIEVE** plant parameter status data from the TSC Computer (sample form shown as Attachment 1, *Plant Parameters Status Form*).
 - 1. IF the TSC computer is not operable, **THEN GO TO** step 6.2.C.
 - 2. **ENTER** password "BGE" (this is case sensitive) at prompt and **PRESS** <Enter>.



6.2 Operation (Continued)

NOTE

Main Vent Gas monitor indication for U-1 "R5415A" is only available from the U-2 TSC point display. The Unit 2 icon from the "BG&E SDS" group will need to be selected for R5415A indication.

3. **SELECT** the affected Unit icon Unit 1, Unit 2 or SIMTSC (for drills) from the group labeled "BG&E SDS."
 4. **TYPE** "GD PPSTAT1" at the prompt on the main screen (yellow box at the top of screen) and
PRESS <Enter>.
 5. **PRINT** data as necessary (page 1 & 2):
 - a. **SELECT** *Print* from the tool bar.
 - b. **PRESS** <Page Up> and <Page Down> keys to change from page 1 to 2.
 - c. **CLICK** on *Print*.
 6. **REPEAT** steps 6.2.B.3, 6.2.B.4, and 6.2.B.5 as necessary for "GD PPSTAT2."
 7. **REPORT** significant plant parameter changes to the Emergency Operations Facility Director (EOF).
- C. **RETRIEVE** information from the Emergency Response Web Page.
1. **SEE** the placard at the computer for Emergency Response Web Page log on instructions.
 2. **SCAN** Environmental Status Form (sample shown as Attachment 2, *Environmental Data Form*) onto the Emergency Response Web Page.



ERPIP

6.2 Operation (Continued)

NOTE

Clicking on "REFRESH" will retrieve the most current data.

- D. IF both the TSC Computer and the Emergency Response Web Page are not operable, THEN:
1. NOTIFY Control Room Plant Parameters Communicator (CR).
 2. REQUEST plant parameters and RMS data be transmitted by facsimile machine, telephone, or runner.
- E. UPDATE plant parameters status board (this may be delegated).
- F. CHECK the plant parameter facsimile machine for incoming "Initial Notification" forms and
DELIVER them promptly to the Site Emergency Coordinator (EOF) (this may be delegated). [B-1]
- G. PROVIDE RMS data (as listed on Attachment 1) to the Dose Assessment Room for delivery to the Radiological Assessment Specialist (EOF) (this may be delegated).
- H. OBTAIN environmental status data (sample shown as Attachment 2, *Environmental Status Form*) from the Radiological Assessment Director (EOF) in the Dose Assessment Room (this may be delegated).
- I. UPDATE the Environmental Status Board (this may be delegated).
- J. UPDATE the Emergency Response Web Page environmental status information (this may be delegated) at approximately 15 minute intervals.

NOTE

There is a placard at the terminal with further instructions on scanner use.

1. SCAN Environmental Status form onto the Emergency Response Web Page.
2. SAVE Environmental Status forms as envir01, envir02, envir03, and so forth.



6.2 Operation (Continued)

- K. IF Emergency Response Web Page is not operable, THEN:
1. TRANSMIT environmental status data by facsimile machine, telephone, or runner to the following locations:
 - Technical Support Center
 - Operational Support Center
 - Media Center
 - Control Room
 2. NOTIFY respective centers of the data transmission method being used, if other than the Emergency Response Web Page.
- L. ASSESS plant parameters data for unexpected values and trends and
- INFORM Site Emergency Coordinator (EOF) and Radiological Assessment Director (EOF) or Environmental Assessment Director (EOF) (or both), of aberrant or noteworthy (or both) data.

6.3 Deactivation

- A. WHEN notified of event termination, THEN:
1. DEACTIVATE the TSC Computer workstation.
 - a. PRESS <Esc> to return to main screen.
 - b. PRESS <X> on keyboard (X will appear at SDS LOGO on top right of screen).
 - c. PRESS <Enter>.
 - d. SELECT *File* from Program Manager group.
 - e. SELECT *Shutdown* from File Menu.
 - f. SELECT *Shutdown* from Shutdown Computer window AND then OK.
 - g. TURN OFF computer and CRT.
 2. SHUTDOWN the Emergency Operations Facility Plant Parameter Communicator's (EOF) computer used to access the Emergency Response Web Page.



ERPIP

6.3 Deactivation (Continued)

3. **COLLECT** records generated during the event.
4. **RETURN** equipment and unused material to the designated storage locations and

DISPOSE of trash in the appropriate locations.
5. **FORWARD** records to Emergency Operations Facility Director (EOF) for turnover to the Director – Emergency Preparedness.

7.0 POST PERFORMANCE ACTIVITIES

None

8.0 BASES

[B-1] AIT IR200000788 Milestone #8.

9.0 RECORDS

Records generated by this procedure may be permanent, non-permanent, or lifetime radiological records depending on the circumstances under which they are generated. Records shall be captured and controlled as follows:

- A. During an actual event as described in the purpose statement of this procedure, records shall be considered **permanent** records and submitted to the Emergency Preparedness Unit for final disposition according to PR-3-100.
 - Attachment 1, *Plant Parameters Status Form*
 - Attachment 2, *Environmental Status Form*
- B. During an actual event as described in the purpose statement of this procedure, dosimetry records, that is, any dose-related record including access history records, are considered **radiological lifetime records** and are to be handled and maintained according to standard practices and unit procedures.
 - None
- C. During a drill or exercise, records generated shall be considered **non-permanent** records and submitted to the Emergency Preparedness Unit for evaluation.
 - Attachment 1, *Plant Parameters Status Form*
 - Attachment 2, *Environmental Status Form*



PLANT PARAMETERS COMMUNICATOR -
EMERGENCY OPERATIONS FACILITY

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ERPIP

ATTACHMENT 1, PLANT PARAMETERS STATUS FORM

EMERGENCY CLASS: _____ TIME DECLARED: _____ AFFECTED UNIT: # _____
REACTOR STATUS: CRITICAL _____ SHUTDOWN _____

REACTOR COOLANT SYSTEM

PPSTAT1																		
TIME	RCS FLOW LOOP (%)		SUBCOOLED MARGIN (°F)		PZR LEVELS (INCHES)		PZR PRESS (PSIA)	COOLANT TEMP. °F						CORE EXIT TEMP (°F)	CVCS		RVLMS	
	1	2	1	2	HOT	COLD/COMP		LOOP 1			LOOP 2				LETDN. FLOW (gpm)	CHARGE FLOW (gpm)	CHA (IN)	CHB (IN)
	F111A	F121A	TSCM RCSA	TSCM RCSB	L110X L110Y	L110XI L110YI		Th	Tc	Th	Tc	Th	Tc		Th	Tc	F202	F212
							P105A	T112 HA	T112 CA	T112 CB	T122 HA	T122 CA	T122 CB	TO1				

UNAFFECTED UNIT STATUS: # _____

OPERATING _____

PWR _____ %

SHUTDOWN _____

MODE _____

03-0282

STEAM GENERATOR STATUS

EMERGENCY SYSTEMS

PPSTAT2															
TIME	S/G LEVEL (inches)		S/G PRESSURE (psig)		AUX FEED FLOW (gpm)				HPSI FLOW (gpm)				LPSI FLOW (gpm)	CNTMT. SPRAY (gpm)	RWT LEVEL (ft)
	1	2	1	2	1	2	1	2	A	B	A	B	F306	1	2
	L1114D	L1124D	P3991	P4008	F4509 TURB	F4510 TURB	F4524 MTR	F4534 MTR	F311%	F321%	F331%	F341%		F4148%	F4149%

MISCELLANEOUS DATA		
OFFSITE POWER:	AVAILABLE	()
	NOT AVAILABLE	()
DESEL GENERATOR	OPERABLE	NON-OPERABLE
1A	()	()
1B	()	()
2A	()	()
2B	()	()
0C	()	()

CONTAINMENT STATUS

RMS DATA

PPSTAT2															
TIME	CNTM T PRESS (psig)	TEMP (°F)	H ₂ (%)	H ₂ (Volts)	H ₂ (%)	H ₂ (Volts)	CONTAINMENT SUMP LEVEL (IN)		MN VENT GAS (uCi/sec) U-2 TSC only		WRNG (uCi/sec)	CONTAINMENT HI RANGE (R/h)		MAIN STEAM RAD. MONITOR (R/h)	
	P5310	T5309	A6519X	A6519Y	A6527X	A6527Y	L4146	L4147	U-1	U-2	R5415I	CHA	CHB	R5421I	R5422I
													R5317AI	R5317BI	

SIGNIFICANT PLANT PROBLEMS

TIME	

FORWARD record to Emergency Preparedness at emergency termination.

Date _____

**CALVERT CLIFFS NUCLEAR POWER PLANT
TECHNICAL PROCEDURE**

**EMERGENCY RESPONSE PLAN
IMPLEMENTATION PROCEDURES**

ERPIP-760

**MEDIA CENTER PLANT
PARAMETERS COMMUNICATOR (MC)**

REVISION 8

Safety-Related

Non-Safety-Related

REFERRAL USE

Periodically refer to
procedure during use

APPROVAL AUTHORITY M. Geckle for Kevin J. Neitmann

EFFECTIVE DATE June 20, 2003



RECORD OF REVISIONS AND CHANGES

Rev.	Chg.	Summary of Revision and Changes
8	0	<p>Removed reference to ERPIP-901, <i>Communications Equipment</i>.</p> <p>Changed title of procedure and ERO positional titles to be consistent among Emergency Preparedness program plans and procedures. Change bars have not been used to show these changes.</p> <p>Added information for obtaining information for accessing Emergency Planning Web Page to step 6.2.A.2.</p> <p>Replaced specific MaxMate directions with reference to job aid/placard at computer terminal in step 6.2.C.</p> <p>Attachment 1, <i>Plant Parameters Status Form</i>, updated the "SUBCOOLED MARGIN" section to reflect the new U-2 points for Channel A and B.</p> <p>Attachment 2, <i>Environmental Status Form</i>, changed units under the "WIND DIRECTION" column from degrees Celsius to degrees direction (that is, 360).</p>
03-0282		<p>Updated Plant Parameter Log Sheet for Unit-1 subcooled margin identifier to reflect new points to be installed PER ES1998011680.</p>



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1.0 PURPOSE

This procedure provides emergency response instructions to the Media Center Plant Parameters Communicator (MC) when responding during an emergency action level called at the Calvert Cliffs Nuclear Power Plant.

2.0 APPLICABILITY/SCOPE/RESPONSIBILITIES

2.1 Applicability

- A. This procedure applies to the Media Center Plant Parameters Communicator (MC).
- B. Performance of this procedure is in the order of Activation (subsection 6.1), Operation (Subsection 6.2), and Deactivation (Subsection 6.3).

2.2 Scope

Performance of the actions in the order they are presented in Subsection 6.2, Operation, is not mandatory provided Subsection 6.1, Activation, has been completed.

2.3 Responsibilities

- A. The Media Center Plant Parameters Communicator (MC) shall:
 - 1. Report directly to the Public Information Support Manager (MC).
 - 2. Obtain plant parameters and environmental status information.
 - 3. Update status boards.
 - 4. Maintain documentation for records retention.

3.0 REFERENCES AND DEFINITIONS

3.1 Developmental References

- A. NUREG 0654, Criteria for Preparation and Evaluation of Radiological Emergency response Plans and Preparedness in Support of Nuclear Power Plants
- B. 10 CFR 50.47, Emergency Plans
- C. 10 CFR 50 Appendix E to Part 50, Emergency Planning and Preparedness for Production and Utilization Facilities



3.1 Developmental References (Continued)

- D. Calvert Cliffs Nuclear Power Plant Emergency Response Plan
- E. PR-1-101, *Preparation and Control of Calvert Cliffs Technical Procedures*
- F. PR-1-103, *Use of Procedures*
- G. Technical Procedures Writer's Manual

3.2 Performance References

- A. Calvert Cliffs Nuclear Power Plant Emergency Response Plan
- B. PR-3-100, *Records Management*
- C. TSC Computer Operators Guide

3.3 Definitions

None

4.0 PREREQUISITES

4.1 Training and Qualification

Personnel performing this procedure shall be qualified on the tasks or activities contained in this procedure.

4.2 Initial Conditions

One of the following emergency action levels is called at Calvert Cliffs Nuclear Power Plant:

- Alert
- Site Emergency
- General Emergency

4.3 Documentation and Support

The forms in this procedure are representative of the forms used to implement the process to this procedure. Forms may be computer generated or revised without requiring a change or revision to this procedure, providing the intent is not changed, and the required information is not deleted from the existing forms.



ERPIP

5.0 PRECAUTIONS

None

6.0 PERFORMANCE

6.1 Activation

- A. **REPORT** to the Media Center on notification of an Alert, Site Emergency, or General Emergency.
- B. **NOTIFY** the Public Information Support Manager (MC) of your presence.
- C. **ASSIST** with Media Center set-up and activation.

6.2 Operation

- A. **ACTIVATE** the Media Center Plant Parameters Communicator's (MC) computer workstation.
 1. **WHEN** logging in at the Media Center, **THEN ENSURE** computer is in "workstation only" mode or the system will not complete its attachment to the LAN and will time out without attaching.
 2. **IF** accessing the Emergency Response Web Page, **THEN SEE** instructional placard at the computer terminal.
- B. **RETRIEVE** Plant Parameter status data from the TSC computer (sample form shown as Attachment 1, *Plant Parameters Status Form*).
 1. **IF** the TSC computer is not operable, **THEN GO TO** step 6.2.E.
 2. **WHEN** accessing the TSC computer, **THEN:**

NOTE:

Main Vent Gas monitor indication for U-1 "R5415A" is only available from the U-2 TSC point display. The Unit 2 icon from the "BG&E SDS" group will need to be selected to for R5415A indication.

- a. **SELECT** affected Unit icon: Unit 1, Unit 2 or SIMTSC (for drills).



6.2 Operation (Continued)

- b. TYPE "GD PPSTAT1" at the prompt on the main screen (yellow box at the top of screen) and

PRESS <Enter>.
 - c. PRINT data as necessary (page 1 & 2):
 - (1) SELECT Print from the tool bar.
 - (2) PRESS <Page Up> and <Page Down> keys to change from page 1 to 2.
 - (3) CLICK on Print.
 - d. REPEAT steps 6.2.B.1.c and 6.2.B.1.d for "GD PPSTAT2."
3. REPORT significant plant parameter changes to the Media Center Technical Advisor.

NOTE:

Clicking on "REFRESH" will retrieve the most current data.

There is a placard at the terminal with further instructions on scanner use.

- C. RETRIEVE the following information from the Emergency Response Web Page.
 1. SEE the placard at the computer for Emergency Response Web Page log on instructions.
 2. Environmental Status Form (sample shown on Attachment 2, *Environmental Status Form*).
- D. IF both the TSC computer and the Emergency Response Web Page are not operable, THEN:
 1. NOTIFY the Control Room Plant Parameters Communicator (CR).
 - a. REQUEST plant parameters status data be transmitted by facsimile machine, telephone, or runner.



6.2 Operation (Continued)

2. NOTIFY Emergency Operations Facility Plant Parameters Communicator (EOF).
 - a. REQUEST environmental status data be transmitted by facsimile machine or telephone.
- E. UPDATE plant parameters and environmental status boards.

6.3 Deactivation

- A. WHEN notified of event termination, THEN:
 1. DEACTIVATE the TSC application computer workstation.
 - a. PRESS <Esc> to return to main screen.
 - b. PRESS <X> on keyboard (X will appear at SDS LOGO on top right of screen).
 - c. PRESS <Enter>.
 2. SHUTDOWN the Plant Parameter Communicator's computer used to access the Emergency Response Web Page.
 3. COLLECT records generated during the event.
 4. RETURN equipment and unused material to the designated storage locations and
DISPOSE of trash in the appropriate locations.
 5. FORWARD records to the Public Information System Manager (MC) for turnover to the Director – Emergency Preparedness.

7.0 POST PERFORMANCE ACTIVITIES

None

8.0 BASES

None



9.0 RECORDS

Records generated by this procedure may be permanent, non-permanent, or lifetime radiological records depending on the circumstances under which they are generated. Records shall be captured and controlled as follows:

- A. During an actual event as described in the purpose statement of this procedure, records shall be considered permanent records and submitted to the Emergency Preparedness Unit for final disposition according to PR-3-100.
 - Attachment 1, *Plant Parameters Status Form*
 - Attachment 2, *Environmental Status Form*
- B. During an actual event as described in the purpose statement of this procedure, dosimetry records, that is, any dose-related record including access history records, are considered radiological lifetime records and are to be handled and maintained according to standard practices and unit procedures.
 - None
- C. During a drill or exercise, records generated shall be considered non-permanent records and submitted to the Emergency Preparedness Unit for evaluation and retention according to PR-3-100.
 - Attachment 1, *Plant Parameters Status Form*
 - Attachment 2, *Environmental Status Form*



PARAMETERS COMMUNICATIONS - MEDIA CENTER

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ATTACHMENT 1, PLANT PARAMETERS STATUS FORM

EMERGENCY CLASS: TIME DECLARED: AFFECTED UNIT: # REACTOR STATUS: CRITICAL SHUTDOWN

REACTOR COOLANT SYSTEM

Table with columns for RCS FLOW LOOP, SUBCOOLED MARGIN, PZR LEVELS, PZR PRESS, COOLANT TEMP, CORE EXIT TEMP, CVCS, and RVLMS.

UNAFECTED UNIT STATUS: # OPERATING PWR SHUTDOWN MODE

03-0282

STEAM GENERATOR STATUS

EMERGENCY SYSTEMS

Table with columns for S/G LEVEL, S/G PRESSURE, AUX FEED FLOW, HPSI FLOW, LPSI FLOW, CNTMT. SPRAY, and RWT LEVEL.

MISCELLANEOUS DATA table with columns for DIESEL GENERATOR, OPERABLE, and NON-OPERABLE.

CONTAINMENT STATUS

RMS DATA

Table with columns for CNTMT PRESS, TEMP, H2, CONTAINMENT SUMP LEVEL, MN VENT GAS, WRNG, CONTAINMENT HI RANGE, and MAIN STEAM RAD. MONITOR.

SIGNIFICANT PLANT PROBLEMS

Table with columns for TIME and empty rows for recording problems.

FORWARD record to Emergency Preparedness at emergency termination.

Date



EMERGENCY RESPONSE PLAN IMPLEMENTATION PROCEDURES

NOTE

ERPIPs are revision controlled through NORMS.
Whenever possible and practical,
verify you are using the correct procedure revision using
EPM or NUCLEIS/NORMS

ERPIP No.	ERPIP TITLE
3.0	Immediate Actions
102	Superintendent - Nuclear Operations
103	Nuclear Plant Operations
104	NRC Emergency Notifications System (ENS) Communications
105	Control Room (CR) Communicator
106	Plant Parameter Communications – Control Room
107	Chemistry Shift Technician
108	Interim Radiation Protection
109	Radiation Monitoring System (RMS) Communicator
201	Technical Support Center (TSC) Director
202	Plant General Manager
203	Chemistry Director
204	Operations Analyst
205	Reactor Engineer
206	Technical Analyst
207	Technical Support Center (TSC) Computer Maintenance Staff
208	Plant Parameters Communications – Technical Support Center
209	Technical Support Center (TSC) Communicator
210	Control Room/Technical Support Center Monitor
301	Operational Support Center (OSC) Director
302	Engineering Director
303	Radiation Protection Director
304	Operational Support Center (OSC) Engineers
307	Operations Team Leader
308	Onsite Monitoring Team Leader
309	Dosimetry Team Leader
310	Maintenance Team Leaders



ERPIP No.	ERPIP TITLE
311	Chemistry Team Leader
312	Safety Services
314	Operational Support Center (OSC) Communicator
315	Plant Parameters Communications – Operational Support Center (OSC)
316	Operational Support Center (OSC) Monitor
317	Operations Team Members
318	Onsite Monitoring Team Members
319	Dosimetry Team Members
320	Maintenance Team Members
401	Nuclear Engineering Facility (NEF) Director Cancelled
402	Nuclear Engineering Facility (NEF) Staff Cancelled
403	Nuclear Engineering Facility/Nuclear Security Facility Monitor Cancelled
501	Site Emergency Coordinator
502	Recovery Officer
503	Emergency Operations Facility (EOF) Director
504	Environmental Assessment Director
506	Offsite Monitoring Team Leader
507	Offsite Monitoring Team
508	Plant Parameters Communications, EOF
509	Emergency Operations Facility (EOF) Communicator
510	Emergency Operations Facility (EOF) Support Personnel
511	Radiological Assessment Director
512	Radiological Assessment Specialist
513	Administrative Support Manager
600	Severe Accident Management
601	Severe Accident Management Initial Diagnosis
602	Severe Accident Management Verification of Diagnosis
603	Candidate High Level Actions BD/CC
604	Candidate High Level Actions BD/CH
605	Candidate High Level Actions BD/I
606	Candidate High Level Actions BD/B
607	Candidate High Level Actions EX/CC
608	Candidate High Level Actions EX/CH
609	Candidate High Level Actions EX/I



ERPIP No.	ERPIP TITLE
610	Candidate High Level Actions EX/B
611	Severe Accident Management Restorative Actions
612	Candidate High Level Actions SFP Fuel Uncovered
710	Farm Demonstration Building Decontamination Facility
720	Technical Representatives
730	Health Physicist Hospital Assistance
750	Security
760	Plant Parameters Communications, Media Center
800	Core Damage Assessment
801	CDA Using Containment Rad. Dose Rates
802	CDA Using Core Exit Thermocouples
803	CDA Using Hydrogen
804	CDA Using Radiological Analysis of Samples
810	Main Steam System Radioactivity Release Rate Estimate
821	Accidental Radioactivity Release Monitoring and Sampling Methods
822	Initial Dose Assessment Manual Calculation Methods
823	Dose Assessment Computer
824	Dose Assessment Reference
825	Meteorological Data Acquisition Methods
831	Emergency Radiation Exposure Guidance
832	Emergency Work Permits
900	Preparation and Control of Emergency Response Plan and Emergency Response Plan Implementing Procedures
901	Communications Equipment
902	Records
903	Monitoring Equipment and Instrumentation
904	Emergency Response Training
905	Exercises, Tests and Drills
B.1	Equipment Checklist
B.2	Offsite Survey Points
----	Emergency Response Organization (ERO)
----	Emergency Response Facility Layouts (ERFL)
----	Support Services Contact Listing (SSCL)