

COMANCHE PEAK STEAM ELECTRIC STATION
OPERATIONS DEPARTMENT ADMINISTRATION MANUAL

**FOR INFORMATION
ONLY**

RELIEF OF PERSONNEL

PROCEDURE NO. ODA-302

REVISION NO. 3

SAFETY-RELATED

SUBMITTED BY:

A. B. Smith
OPERATIONS SUPERINTENDENT

DATE:

1/26/83

APPROVED BY:

R. A. Jones by R. W.
MANAGER, PLANT OPERATIONS

DATE:

2/8/83

<p style="text-align: center;">CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL</p>	<p style="text-align: center;">ISSUE DATE FEB 11 1983</p>	<p style="text-align: center;">PROCEDURE NO. ODA-302</p>
<p style="text-align: center;">RELIEF OF PERSONNEL</p>	<p style="text-align: center;">REVISION NO. 3</p>	<p style="text-align: center;">PAGE 2 OF 26</p>
<div data-bbox="261 344 459 378"> <p>1.0 <u>Purpose</u></p> </div> <div data-bbox="340 408 1460 502"> <p>This procedure describes the manner in which the Shift Supervisor, Assistant Shift Supervisors, Reactor Operators and Auxiliary Operators shall be relieved.</p> </div> <div data-bbox="261 532 558 566"> <p>2.0 <u>Applicability</u></p> </div> <div data-bbox="340 595 1334 723"> <p>This procedure applies to Shift Supervisors, Assistant Shift Supervisors, Reactor Operators and Auxiliary Operators. This procedure becomes effective when determined appropriate by the Operations Superintendent.</p> </div> <div data-bbox="261 753 525 787"> <p>3.0 <u>Definitions</u></p> </div> <div data-bbox="340 817 1410 880"> <p>3.1 At The Controls - The area described in FSAR section 13.5.1.3. In general, the area within the main control board horseshoe.</p> </div> <div data-bbox="261 910 541 944"> <p>4.0 <u>Instructions</u></p> </div> <div data-bbox="340 974 746 1008"> <p>4.1 General Instructions</p> </div> <div data-bbox="422 1038 1460 1191"> <p>4.1.1 The relief shall normally commence prior to the start of the next shift and shall be of sufficient duration to assure that the on-coming personnel do not assume independent responsibility until the required information has been obtained.</p> </div> <div data-bbox="422 1221 1450 1442"> <p>4.1.2 Each off-going shift operator shall continue with his duties until properly relieved by an operator of equal or higher classification unless otherwise advised by the Shift Supervisor. As soon as the on-coming operator accepts the responsibilities of the position, he shall signify this acceptance by signing the appropriate space on the relief checklist.</p> </div> <div data-bbox="422 1472 1450 1821"> <p>4.1.3 The relief checklists (Attachments 1 through 10) shall be used during the relief as an aid to ensuring that all applicable topics are addressed in the turnover conversation and that information contained in various sources is reviewed by the on-coming personnel. Items contained in Part I of the checklist shall be prepared by the off-going personnel prior to the relief meeting. Items in Part II shall be reviewed by the on-coming personnel as early in the shift as practical but not necessarily prior to the departure of the off-going personnel.</p> </div>		

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<p style="text-align: center;">RELIEF OF PERSONNEL</p>	<p style="text-align: center;">REVISION NO. 3</p>	<p style="text-align: center;">PAGE 3 OF 26</p>
<p>4.1.4 Whenever a component is in a degraded mode, it shall be so noted in the appropriate section of Part I. If the degraded component/system is limited by a Technical Specifications action statement, additional information shall be documented. The information shall include the length of time that the component has been in the degraded mode as of the beginning of the on-coming shift, the Technical Specifications limit and a brief discussion of the required action once the limit is reached. A reference may be made to the applicable section of the Technical Specifications.</p> <p>4.1.5 After assuming the shift responsibility, the appropriate personnel shall initiate a new relief checklist to be used during the next relief. To the extent possible, the relief checklist should be maintained throughout the shift as opposed to completing the checklist just prior to relief time.</p> <p>4.2 Shift Supervisors/Assistant Shift Supervisors</p> <p>4.2.1 The Shift Supervisors and Assistant Shift Supervisors may verbally conduct the major portions of their relief as a group, with one position at a time covering his relief information. The Assistant Shift Supervisors need only to participate in the group for matters applicable to their assigned unit.</p> <p>4.2.2 The on-coming Shift Supervisor shall ensure that he has an adequate shift complement, in accordance with ODA-102, prior to releasing the off-going shift.</p> <p>4.2.3 In the review of documents, the Shift Supervisor and Assistant Shift Supervisors shall check to ensure that he is cognizant of any new Night Orders or Special Orders. The on-coming Shift Supervisor shall review the Station Operations Log, and the Unit Logs since his last on-duty shift (not to exceed five (5) days). The Assistant Shift Supervisors shall review the applicable unit's Operating Log since their last on-duty shift on the particular unit (not to exceed five (5) days).</p> <p>4.3 Reactor Operators</p> <p>4.3.1 The Reactor Operator shall review the applicable Unit Operating Log entries since his last on-duty shift (not to exceed five (5) days).</p> <p>4.3.2 The Reactor Operator shall not assume responsibility as operator at the controls for more than one unit at a time.</p>		

<p>CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL</p>	<p>ISSUE DATE FEB 11 1983</p>	<p>PROCEDURE NO. ODA-302</p>
<p>RELIEF OF PERSONNEL</p>	<p>REVISION NO. 3</p>	<p>PAGE 4 OF 26</p>
<p>4.3.3 The Reactor Operator shall review the Main Control Board prior to assuming responsibility for the unit.</p> <p>4.4 Relief Reactor Operator</p> <p>The Relief Reactor Operator, as defined in STA-605, shall review both unit's Reactor Operator Relief Checklists as soon as possible following the shift turnover. If Reactor Operator is to be temporarily relieved during the shift, the Relief Reactor Operator shall have reviewed the Reactor Operator Relief Checklist in its entirety before assuming the new position. If the Reactor Operator is to be permanently relieved during the shift, the on-coming Reactor Operator shall perform a shift turnover as specified in step 4.3 of this procedure.</p> <p>4.5 Auxiliary Operator</p> <p>4.5.1 An Auxiliary Operator shall take a watch station turnover <u>only</u> if he is qualified to do so. At the Shift Supervisor's discretion, an Auxiliary Operator may assume one or more watch stations.</p> <p>4.5.2 Each Auxiliary Operator relief shall normally take place at the assigned watch station (Turbine Building Operators Station or Auxiliary Building Operators Station).</p> <p>4.5.3 As soon as possible after assuming duties, the operator shall observe all indications and operating equipment in his area to ensure normal operation and review the logs for events that have taken place since he was last assigned to that watch station (not to exceed five (5) days).</p> <p>4.6 Operations Supervisor</p> <p>The Operations Supervisor shall periodically perform a surveillance of the relief. The surveillance will evaluate the effectiveness and completeness of the turnover. Form ODA-302-11, Attachment 11, shall be completed for the areas inspected.</p> <p>5.0 <u>References</u></p> <p>5.1 NUREG-0660, Section I.C.2</p> <p>6.0 <u>Attachments</u></p> <p>6.1 Attachment 1, Shift Supervisor Relief Checklist</p> <p>6.2 Attachment 2, Assistant Shift Supervisor Relief Checklist</p>		

<p>CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL</p>	<p>ISSUE DATE FEB 11 1983</p>	<p>PROCEDURE NO. ODA-302</p>
<p>RELIEF OF PERSONNEL</p>	<p>REVISION NO. 3</p>	<p>PAGE 5 OF 26</p>
<p>6.3 Attachment 3, Reactor Operator Relief Checklist</p> <p>6.4 Attachment 4, Relief Reactor Operator Relief Checklist</p> <p>6.5 Attachment 5, Auxiliary Operator Relief Checklist - Turbine Building</p> <p>6.6 Attachment 6, Auxiliary Operator Relief Checklist - Water Treatment</p> <p>6.7 Attachment 7, Auxiliary Operator Relief Checklist - Outside Areas</p> <p>6.8 Attachment 8, Auxiliary Operator Relief Checklist - Radwaste</p> <p>6.9 Attachment 9, Auxiliary Operator Relief Checklist - Auxiliary, Fuel, and Control Buildings</p> <p>6.10 Attachment 10, Auxiliary Operator Relief Checklist - Safeguards, Containment, Diesel Generator Buildings</p> <p>6.11 Attachment 11, Inspection of Relief of Personnel</p>		

ATTACHMENT 1
PAGE 1 OF 2

(Front Side)

SHIFT SUPERVISOR RELIEF CHECKLIST

SHIFT: Night _____
Day _____
Evening: _____

DATE: _____
SHIFT SUP'V: _____
Off-Going
SHIFT SUP'V: _____
On-Coming

STA:* _____
On-Coming

SHIFT COMPLEMENT:*
*To be determined by on-coming Shift Supervisor

PART I

1.0 UNIT STATUS

1.1 Evolutions Completed This Shift _____

1.2 Evolutions in Progress _____

1.3 Evolutions Planned For Coming Shift _____

2.0 EQUIPMENT STATUS (Component in Degraded Mode/Abnormal Conditions)

2.1 Non-Safety-Related Equipment _____

ATTACHMENT 1
PAGE 2 OF 2

(Back Side)

SHIFT SUPERVISOR RELIEF CHECKLIST

2.2 Safety-Related Equipment

<u>COMPONENT</u>	<u>TIME IN DEGRADED MODE</u>	<u>TECH. SPEC. LIMIT & REQUIRED ACTION</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

3.0 GENERAL INFORMATION _____

PART II

4.0 STATION OPERATIONS LOG INITIATED _____

5.0 DOCUMENT REVIEW

5.1 Station Operations Log _____

5.2 Unit 1 Log _____

Unit 2 Log _____

5.3 Annunciator/Instrument Out-of-Service
Log _____

5.4 MAR Log _____

5.5 Clearance Report Log _____

5.6 Bypassing of Safety Functions Log _____

5.7 Special Orders _____

6.0 FIRE BRIGADE COMPLEMENT _____

7.0 SECURITY KEY LOCKER CHECK _____

8.0 MAIN CONTROL BOARD UNIT 1 _____

UNIT 2 _____

9.0 PLANT TOUR _____

ATTACHMENT 2
PAGE 1 OF 2

(Front Side)

ASSISTANT SHIFT SUPERVISOR RELIEF CHECKLIST

SHIFT: Night _____ DATE: _____
Day _____ ASST. SHIFT SUP'V: _____
Evening: _____ Off-Going
ASST. SHIFT SUP'V: _____
On-Coming

UNIT: _____

PART I

1.0 UNIT STATUS

1.1 Evolutions Completed This Shift _____

1.2 Evolutions in Progress _____

1.3 Evolutions Planned For Coming Shift _____

2.0 EQUIPMENT STATUS (Component in Degraded Mode/Abnormal Conditions)

2.1 Non-Safety-Related Equipment _____

2.2 Safety-Related Equipment

COMPONENT	TIME IN DEGRADED MODE	TECH. SPEC. LIMIT & REQUIRED ACTION
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ATTACHMENT 2
PAGE 2 OF 2

(Back Side)

ASSISTANT SHIFT SUPERVISOR RELIEF CHECKLIST

3.0 GENERAL INFORMATION _____

PART II

4.0 DOCUMENT REVIEW

4.1 Unit Log (For Assigned Unit) _____
4.2 Annunciator/Instrument Out-of-Service Log _____
4.3 MAR Log _____
4.4 Clearance Report Log _____
4.5 Bypassing of Safety Functions Log _____
4.6 Special Orders _____
4.7 Night Orders _____
4.8 MODS Surveillance Summary _____

5.0 UNIT/SYSTEMS CHECK (For Assigned Unit or Units)

5.1 Safety System Inoperability Indication (1) _____
5.2 Monitor Light Boxes (2) _____
5.3 Common Electrical Status Light Box _____
5.4 Radiation Monitoring System _____
5.5 Fire Detection Panel _____
5.6 Main Control Board _____

6.0 CRITICAL PARAMETERS (For Assigned Unit or Units)

6.1 Permissive Interlocks _____
6.2 Control Interlocks _____
6.3 Pressurizer Pressure _____ PSI
6.4 Pressurizer Level _____ %
6.5 X Δ I _____ %

(1) All indications should not be lit during normal at-power operations.

(2) To include MLR-1A1&2, 1B1&2, 4A1&2, 4B1&2, 4A3, 4B3, 23A&B, and 45A&B
All indications should not be lit during normal at-power operations.

ATTACHMENT 3
PAGE 1 OF 2

(Front Side)

REACTOR OPERATOR RELIEF CHECKLIST

SHIFT: Night _____
Day _____
Evening: _____

DATE: _____
SHIFT SUP'V: _____
Off-Going
SHIFT SUP'V: _____
On-Coming

MAIN CONTROL BOARD* _____

UNIT: _____
*To be completed by on-coming Reactor Operator prior to shift relief.

PART I

1.0 UNIT STATUS

1.1 Evolutions Completed This Shift _____

1.2 Evolutions in Progress _____

1.3 Evolutions Planned For Coming Shift _____

2.0 EQUIPMENT STATUS (Component in Degraded Mode/Abnormal Conditions)

2.1 Non-Safety-Related Equipment _____

2.2 Safety-Related Equipment

COMPONENT	TIME IN DEGRADED MODE	TECH. SPEC. LIMIT & REQUIRED ACTION
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ATTACHMENT 3
PAGE 2 OF 2

(Back Side)

REACTOR OPERATOR RELIEF CHECKLIST

3.0 GENERAL INFORMATION _____

PART II

4.0 UNIT LOG INITIATED	_____
5.0 DOCUMENT REVIEW	_____
5.1 Unit Log	_____
5.2 Special Orders	_____
6.0 UNIT/SYSTEMS CHECK	
6.1 Safety System Inoperability Indication (1)	_____
6.2 Monitor Light Boxes (2)	_____
6.3 Trip Status Light Boxes (3)	_____
6.4 Common Electrical Status	_____
7.0 CRITICAL PARAMETERS	
7.1 Permissive Interlocks	_____
7.2 Control Interlocks	_____
7.3 Annunciator Tests	_____
7.4 Pressurizer Pressure	_____
7.5 Pressurizer Level	_____ I
7.6 I Δ I	_____ I
7.7 Charging Flow	_____ GPM
7.8 Letdown Flow	_____ GPM

- (1) All indications should not be lit during normal at-power operations.
- (2) To include MLB-1A1&2, 1B1&2, 4A1&2, 4B1&2, 4A3, 4B3, 23A&B, and 45A&B
All indications should not be lit during normal at-power operations.
- (3) To include TSLB-1 through 9. Some indications may be lit on TSLB-6, 8
and 9 during normal at-power operations. All others should not be
lit.

CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL	ISSUE DATE FEB 11 1983	PROCEDURE NO. ODA-302
RELIEF OF PERSONNEL	REVISION NO. 3	PAGE 12 OF 26

ATTACHMENT 4
PAGE 1 OF 2

(Front Side)

RELIEF REACTOR OPERATOR CHECKLIST

SHIFT: Night _____
Day _____
Evening _____

DATE: _____
REACTOR OPERATOR _____
REACTOR OPERATOR _____
Off-Going
On-Coming

PART I

1.0 UNIT 1 STATUS _____

2.0 UNIT 2 STATUS _____

3.0 GENERAL INFORMATION _____

CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL	ISSUE DATE FEB 11 1993	PROCEDURE NO. ODA-302
RELIEF OF PERSONNEL	REVISION NO. 3	PAGE 13 OF 26

ATTACHMENT 4
 PAGE 2 OF 2

(Back Side)

RELIEF REACTOR OPERATOR CHECKLIST

PART II

4.0 DOCUMENT REVIEW

4.1 Unit 1 Log _____

4.2 Unit 2 Log _____

4.3 Special Orders _____

4.4 MAR Log _____

4.5 Clearance Report Log _____

5.0 UNIT/SYSTEMS CHECK

5.1 Common Electrical Status Light Box _____

5.2 HVAC Panels Annunciator Check (Unit 1&2) _____

5.3 Fire Detection Panel _____

5.4 RMS Panels (Unit 1&2) _____

5.5 NIS Panels (Unit 1&2) _____

5.6 Main Control Board Unit 1 _____

5.7 Main Control Board Unit 2 _____

6.0 GENERAL TOUR OF CONTROL ROOM _____

CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL	ISSUE DATE FEB 11 1993	PROCEDURE NO. ODA-302
RELIEF OF PERSONNEL	REVISION NO. 3	PAGE 14 OF 26

ATTACHMENT 5
PAGE 1 OF 2

(Front Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
WATER TREATMENT

SHIFT: Night _____	DATE: _____
Day _____	AUXILIARY OPERATOR _____
Evening _____	Off-Going _____
	AUXILIARY OPERATOR _____
	On-Coming _____

PART I

1.0 AREA STATUS

1.1 Evolutions Completed This Shift _____

1.2 Evolutions in Progress _____

1.3 Evolutions Planned For Coming Shift _____

2.0 AREA EQUIPMENT STATUS

2.1 Components/Systems in Degraded Mode/Abnormal Conditions _____

2.2 Significant MAR's/Clearances Issued This Shift _____

ATTACHMENT 5
PAGE 2 OF 2

(Back Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
WATER TREATMENT

2.3 MAJOR EQUIPMENT STATUS:

	IS*	STBY*	OOS*	REMARKS
CONDENSATE POLISHING SYSTEM:				
Vessel 1A/2A				
Vessel 1B/2B				
Vessel 1C/2C				
Vessel 1D/2D				
Vessel 1E/2E				
Reacta-Paks X-01/X-02				
Reverse Osmosis Units X-01/X-02				
DEMINERALIZERS:				
Mixed Bed 01/02				
Anion Bed 01/02				
Cation Bed 01/02				
Deaerated Water Trans. Pumps X-01/X-02				
Demin. Water Transfer Pumps X-01/X-02				
Vacuum Pumps X-01/X-02				

*IS-Equipment in service; STBY-Equipment not in service, but available or on standby; OSS-Equipment not available for service or being regenerated.

3.0 GENERAL INFORMATION _____

PART II

4.0 DOCUMENT REVIEW

4.1 Water Treatment Log _____

4.2 Special Orders _____

5.0 UNIT/SYSTEM CHECK

5.1 Local Panels Lamp Test _____

5.2 Area Walkdown _____

ATTACHMENT 6

PAGE 1 OF 2

(Front Side)

AUXILIARY OPERATOR RELIEF CHECKLIST

OUTSIDE AREAS

SHIFT: Night _____
Day _____
Evening _____

DATE: _____

AUXILIARY OPERATOR _____

Off-Going

AUXILIARY OPERATOR _____

On-Coming

Tour Keys Received: _____

PART I

1.0 AREA STATUS

1.1 Evolutions Completed This Shift _____

1.2 Evolutions in Progress _____

1.3 Evolutions Planned For Coming Shift _____

1.4 Procedures Begun This Shift But Not Yet Completed _____

2.0 AREA EQUIPMENT STATUS

2.1 Components/Systems in Degraded Mode/Abnormal Conditions _____

2.2 Significant MAR's/Clearances Issued This Shift _____

CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL	ISSUE DATE FEB 11 1983	PROCEDURE NO. ODA-302
RELIEF OF PERSONNEL	REVISION NO. 3	PAGE 17 OF 26

ATTACHMENT 6
PAGE 2 OF 2

(Back Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
OUTSIDE AREAS

2.3 MAJOR EQUIPMENT STATUS

	IS*	STBY*	OOS*	REMARKS
Station Service Water Pump 1-01/2-01	/	/	/	
Station Service Water Pump 1-02/2-02	/	/	/	
Jockey Fire Pump				
Electric Fire Pump				
Diesel Fire Pump				
Circulating Water Pump 1-02/2-01	/	/	/	
Circulating Water Pump 1-02/2-02	/	/	/	
Circulating Water Pump 1-03/2-03	/	/	/	
Circulating Water Pump 1-04/2-04	/	/	/	
Circ. Water Lube Water Pump X-01/X-02	/	/	/	

*IS-Equipment in service; STBY-Equipment not in service, but available or on standby; OSS-Equipment not available for service or being regenerated.

3.0 GENERAL INFORMATION _____

PART II

4.0 DOCUMENT REVIEW

4.1 Turbine Building Log _____
4.2 Special Orders _____

5.0 UNIT/SYSTEM CHECK

5.1 Local Panels Lamp Test _____
5.2 Area Walkdown _____
5.3 Heat Tracing Panels
(Cold weather only) _____

ATTACHMENT 7
PAGE 1 OF 2

(Front Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
TURBINE, CONTROL AND ELECTRICAL BUILDINGS

SHIFT: Night _____
Day _____
Evening _____

DATE: _____
AUXILIARY OPERATOR _____
Off-Going _____
AUXILIARY OPERATOR _____
On-Coming _____

UNIT: _____

PART I

1.0 AREA STATUS

1.1 Evolutions Completed This Shift _____

1.2 Evolutions in Progress _____

1.3 Evolutions Planned For Coming Shift _____

1.4 Procedures Begun This Shift But Not Yet Completed _____

2.0 AREA EQUIPMENT STATUS

2.1 Components/Systems in Degraded Mode/Abnormal Conditions _____

2.2 Significant MAR's/Clearances Issued This Shift _____

CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL	ISSUE DATE FEB 11 1983	PROCEDURE NO. ODA-302
RELIEF OF PERSONNEL	REVISION NO. 3	PAGE 19 OF 26

ATTACHMENT 7

PAGE 2 OF 2

(Back Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
TURBINE, CONTROL AND ELECTRICAL BUILDINGS

2.3 MAJOR EQUIPMENT STATUS

	IS*	STBY*	OOS*	REMARKS
Instrument Air Compressor 1-01 (2-01)				
Instrument Air Compressor X-01				
Condenser Vacuum Pump 1-01 (2-01)				
Condenser Vacuum Pump 1-02 (2-02)				
Condenser Vacuum Pump 1-03 (2-03)				
Turbine Plant Cooling Water Pump 1-01 (2-01)				
Turbine Plant Cooling Water Pump X-01				
Lube Oil Pump 1-01 (2-01)				
Lube Oil Pump 1-02 (2-02)				
Lube Oil Pump 1-03 (2-03)				
Lube Oil Cooler #11 (21)				
Lube Oil Cooler #12 (22)				
Lube Oil Cooler #13 (23)				
Control Fluid Pump 1-01 (2-01)				
Control Fluid Pump 1-02 (2-02)				
Control Fluid Pump 1-03 (2-03)				

*IS-Equipment in service; STBY-Equipment not in service, but available or on standby; OOS-Equipment not available for service.

3.0 GENERAL INFORMATION _____

PART II

4.0 DOCUMENT REVIEW

4.1 Turbine Building Log _____

4.2 Special Orders _____

5.0 UNIT/SYSTEM CHECK

5.1 Local Panels Lamp Test _____

5.2 Area Walkdown _____

5.3 Heat Tracing Panels
(Cold weather only) _____

ATTACHMENT 8

PAGE 1 OF 2

(Front Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
AUXILIARY, FUEL AND CONTROL BUILDINGS

SHIFT: Night _____ DATE: _____
Day _____ AUXILIARY OPERATOR _____
Evening _____ Off-Going _____
AUXILIARY OPERATOR _____
Tour Keys Received _____ On-Coming _____

PART I

1.0 AREA STATUS

1.1 Evolutions Completed This Shift _____

1.2 Evolutions in Progress _____

1.3 Evolutions Planned For Coming Shift _____

1.4 Procedures Begun This Shift But Not Yet Completed _____

2.0 AREA EQUIPMENT STATUS

2.1 Components/Systems in Degraded Mode/Abnormal Conditions _____

2.2 Significant MAR's/Clearances Issued This Shift _____

ATTACHMENT 8
PAGE 2 OF 2

(Back Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
AUXILIARY, FUEL AND CONTROL BUILDINGS

2.3 MAJOR EQUIPMENT STATUS

	IS*	STBY*	OOS*	REMARKS
Positive Disp. Chg. Pump 1-01/2-01				
Centrifugal Charging Pump 1-01/2-01				
Centrifugal Charging Pump 1-02/2-02				
Component Cooling Water Pump 1-01/2-01				
Component Cooling Water Pump 1-02/2-02				
Boric Acid Transfer Pump 1-01/2-01				
Boric Acid Transfer Pump 1-02/2-02				
Reactor Makeup Water Pump 1-01/2-01				
Reactor Makeup Water Pump X-01				
Safety Chilled Water Pump 1-01/2-01				
Safety Chilled Water Pump 1-02/2-02				
Control Room HVAC Unit 01/02				
Control Room HVAC Unit 03/04				
Spent Fuel Pool Cool. Wtr. Pump 1-01/2-01				
Spent Fuel Pool Cool. Wtr. Pump 1-02/2-02				

*IS-Equipment in service; STBY-Equipment not in service, but available or on standby; OOS-Equipment not available for service.

3.0 GENERAL INFORMATION

PART II

4.0 DOCUMENT REVIEW

4.1 Turbine Building Log

4.2 Special Orders

5.0 UNIT/SYSTEM CHECK

5.1 Local Panels Lamp Test

5.2 Area Walkdown

5.3 Heat Tracing Panels
(Cold weather only)

CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL	ISSUE DATE FEB 11 1983	PROCEDURE NO. ODA-302
RELIEF OF PERSONNEL	REVISION NO. 3	PAGE 22 OF 26

ATTACHMENT 9
PAGE 1 OF 2

(Front Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
SAFEGUARDS, CONTAINMENT, AND DIESEL GENERATOR BUILDINGS

SHIFT: Night _____ DATE: _____
Day _____ AUXILIARY OPERATOR _____
Evening _____ Off-Going _____
AUXILIARY OPERATOR _____
On-Coming _____

UNIT: _____

PART I

1.0 AREA STATUS

1.1 Evolutions Completed This Shift _____

1.2 Evolutions in Progress _____

1.3 Evolutions Planned For Coming Shift _____

1.4 Procedures Begun This Shift But Not Yet Completed _____

2.0 AREA EQUIPMENT STATUS

2.1 Components/Systems in Degraded Mode/Abnormal Conditions _____

2.2 Significant MAR's/Clearances Issued This Shift _____

CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL	ISSUE DATE FEB 11 1983	PROCEDURE NO. ODA-302
RELIEF OF PERSONNEL	REVISION NO. 3	PAGE 23 OF 26

ATTACHMENT 9
PAGE 2 OF 2

(Back Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
SAFEGUARDS, CONTAINMENT, AND DIESEL GENERATOR BUILDINGS

2.3 MAJOR EQUIPMENT STATUS

	IS*	STBY*	OOS*	REMARKS
Residual Heat Removal Pump 1-01 (2-01)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Residual Heat Removal Pump 1-02 (2-02)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Turb. Driven Aux. Fdwtr. Pump 1-01 (2-01)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Motor Driven Aux. Fdwtr. Pump 1-01 (2-01)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Motor Driven Aux. Fdwtr. Pump 1-02 (2-02)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

*IS-Equipment in service; STBY-Equipment not in service, but available or on standby; OOS-Equipment not available for service.

3.0 GENERAL INFORMATION _____

PART II

4.0 DOCUMENT REVIEW

4.1 Auxiliary Building Log _____

4.2 Special Orders _____

5.0 UNIT/SYSTEM CHECK

5.1 Local Panels Lamp Test _____

5.2 Area Walkdown _____

5.3 Heat Tracing Panels
(Cold weather only) _____

ATTACHMENT 10
PAGE 1 OF 2

(Front Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
RADWASTE TREATMENT

SHIFT: Night _____
Day _____
Evening _____

DATE: _____
AUXILIARY OPERATOR _____
Off-Going
AUXILIARY OPERATOR _____
On-Coming

PART I

1.0 AREA STATUS

1.1 Evolutions Completed This Shift _____

1.2 Evolutions in Progress _____

1.3 Evolutions Planned For Coming Shift _____

2.0 AREA EQUIPMENT STATUS

2.1 Components/Systems in Degraded Mode/Abnormal Conditions _____

2.2 Significant MAR's/Clearances Issued This Shift _____

CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL	ISSUE DATE FEB 11 1983	PROCEDURE NO. ODA-302
RELIEF OF PERSONNEL	REVISION NO. 3	PAGE 25 OF 26

ATTACHMENT 10
PAGE 2 OF 2

(Back Side)

AUXILIARY OPERATOR RELIEF CHECKLIST
RADWASTE TREATMENT

2.3 MAJOR EQUIPMENT STATUS

	IS*	STBY*	OOS*	REMARKS
Boric Acid Evaporator				
Floor Drains Evaporator				
Waste Evaporator				
Reverse Osmosis Unit X-01/X-02	/	/	/	
Waste Gas Compressor X-01/X-02	/	/	/	
Catalytic Hydrogen Recombiner X-01/X-02	/	/	/	
RCDT Pump 1-01/2-01	/	/	/	
RCDT Pump 1-02/2-02	/	/	/	

*IS-Equipment in service; STBY-Equipment not in service, but available or on standby; OSS-Equipment not available for service.

3.0 GENERAL INFORMATION _____

PART II

4.0 DOCUMENT REVIEW

4.1 Waste Treatment Log _____

4.2 Special Orders _____

5.0 UNIT/SYSTEM CHECK

5.1 Local Panels Lamp Test _____

5.2 Area Walkdown _____

CPSES OPERATIONS DEPARTMENT ADMINISTRATION MANUAL	ISSUE DATE FEB 11 1983	PROCEDURE NO. ODA-302
RELIEF OF PERSONNEL	REVISION NO. 3	PAGE 26 OF 26

ATTACHMENT 11
PAGE 1 OF 1

INSPECTION OF RELIEF OF PERSONNEL

DATE: _____

SHIFT: NIGHT _____ DAY _____ EVENING _____

POSITION: _____ PERSONNEL: OFF-GOING _____
ON-COMING _____

AREAS INSPECTED AND COMMENTS: _____

CORRECTIVE ACTIONS: _____

OPERATIONS SUPERVISOR _____