

- 5.2.6 The Control Operators should direct the other members of the Operating Crew to areas in the plant which need attention.
- 5.2.7 The Shift Supervisor, Control Room Supervisor, Control Operator A, or Control Operator B in the Control Room have the authority and responsibility to perform whatever actions are required to limit the operation or shutdown the plant in the event of unusual or abnormal operating conditions. The operators are responsible for believing instrument indications until the indications are proven incorrect. (ANSI 18.7).
- 5.2.8 In the event of an emergency not covered by an approved procedure the Operating Crew shall take action so as to minimize personnel injury, damage to the plant and to protect health and safety.
- 5.2.9 Equipment Status Controls:
1. When a meter, controller, recorder, or annunciator is out-of-service, an OUT-OF-SERVICE sticker shall be attached to the instrument to indicate that the instrument is not to be used for operating the plant. If there is an associated MWR, write the MWR number on the sticker.
 2. When a safeguards systems is removed from service the Control Operator will light the appropriate box on the Engineered Safeguards Status Board to identify that the system is out-of-service. When the system is returned to service, the appropriate box will be returned to normal.
 3. When a safeguards component and/or system is removed from service the Shift Supervisor will log the equipment out-of-service on the Shift Supervisor's Status Board.
 4. Any equipment which is:
 - out of service, and
 - not under the direct control of the Operations Group, and
 - not in an approved Surveillance or Operating Procedureshall have a DANGER or HOLD CARD placed on the appropriate equipment to indicate its status.
- 5.3 Control Operator Shift Turnover
- 5.3.1 Shift change shall be accomplished by having each incoming shift operator relieve each outgoing comparable shift operator with the following exchange of information. (In addition, Control Operators shall use the Control Room Shift Turnover Checklist for their turnover):

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PDR
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- 1) Work being done.
- 2) Significant operational events.
- 3) Equipment that is out-of-service and any Limiting Conditions for Operations.
- 4) Planned work.
- 5) New instructions.
- 6) Depending upon the complexity of the turnover the incoming and outgoing operators shall review the logs and walk down the specific control boards together.

5.3.2 After the relief has been made the on-coming operators will subsequently

- 1) Walk the control boards for ABNORMAL switch positions, valve indicating lights, indicators, controllers, status lights, and recorder traces.
- 2) Test the control board annunciators, SER summary, and check the Plant Process Computer Alarm Printer for alarm conditions.
- 3) Review the Reactor Operator's Log entries made since their last duty.
- 4) Review the Plant Process Computer Shift Log for abnormal data conditions or failed printouts. The Mid-Shift will review the multi-page Daily Log printed by the Plant Process Computer at midnight.
5. Review the Alarm Summary of the Boric Acid Heat Tracing Trends can at least once per shift.

5.4 Equipment and Auxiliary Operator Shift Turnover

5.4.1 Shift change shall be accomplished by having each incoming operator relieve each outgoing comparable operator with the following exchange of information:

- 1) Work being done
- 2) Significant operating events
- 3) Equipment out-of-service
- 4) Planned work
- 5) New instructions

CONTROL ROOM SHIFT TURNOVER CHECKLIST

DATE: _____ TIME: _____

MODE: CRITICAL/HSD/ISD/CSD/RSD SHIFT: 2300-0700/0700-1500/1500-2300

PART I - TO BE COMPLETED BY OFF-GOING C.O.

Reactor Power	Bank D steps	Generation: RCS Boron	MWG ppm
Parameter	Acceptance Criteria *	Value	
TAVE (RHR IN)	540-570		°F
Przr Level (REFUEL LVL)	> 21		%
Przr Press (NA)	> 2200		PSIG
RWST Level (NA)	> 2.8		INW
BAT Selected (NA)	> 66	1A/1B =	%

Parenthesis apply to RSD

EQUIPMENT IN DEGRADED MODE

<u>COMPONENT</u>	<u>DATE & TIME DEGRADED</u>	<u>TIME ALLOWED</u>	<u>DATE & TIME RETURN TO SERVICE</u>
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____
6. _____	_____	_____	_____
7. _____	_____	_____	_____
8. _____	_____	_____	_____
9. _____	_____	_____	_____
10. _____	_____	_____	_____
11. _____	_____	_____	_____

* The Acceptance Criteria applies when the reactor is critical or in hot shutdown.

ATTACHMENT 6

EMERGENCY OPERATING PROCEDURE

E-0-07

SAFETY INJECTION ACTUATION