

DUKE POWER COMPANY  
PROCEDURE PREPARATION  
PROCESS RECORD

(1) ID No: AP/O/A/5500/34  
Change(s) 0 to  
0 Incorporated

- (2) STATION: McGuire Nuclear
- (3) PROCEDURE TITLE: Actions Required for an Anticipated Transient Without  
Scram Event
- (4) PREPARED BY: Len Firebaugh DATE: 4-20-82
- (5) REVIEWED BY: W. O. Reeside DATE: 4-22-82
- Cross-Disciplinary Review By: \_\_\_\_\_ N/R: WJR
- (6) TEMPORARY APPROVAL (IF NECESSARY):
- By: \_\_\_\_\_ (SRO) Date: \_\_\_\_\_
- By: \_\_\_\_\_ Date: \_\_\_\_\_
- (7) APPROVED BY: Glucay Date: 4-22-82
- (8) MISCELLANEOUS:
- Reviewed/Approved By: \_\_\_\_\_ Date: \_\_\_\_\_
- Reviewed/Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

DUKE POWER COMPANY  
McGUIRE NUCLEAR STATION  
ACTIONS REQUIRED FOR AN ANTICIPATED TRANSIENT WITHOUT SCRAM EVENT

1.0 Symptoms

- 1.1 Any first out annunciator indicating a reactor trip should have occurred, and red bottom lights not illuminated.
- 1.2 Any turbine first out annunciator indicating a turbine trip should have occurred without turbine governor and throttle valves tripping closed.
- 1.3 Failure of reactor or turbine to trip when plant conditions occur that normally initiates a reactor trip/turbine trip (any condition resulting in a trip without a first out annunciator).

2.0 Immediate Actions

2.1 Automatic

- 2.1.1 None

2.2 Manual

- 2.2.1 If the reactor failed to trip:

2.2.1.1 Manually trip reactor from Control Room.

2.2.1.2 If reactor trip has not yet occurred, immediately actuate the Safety Injection and attempt to manually insert control rods.

2.2.1.3 Dispatch an operator to manually trip the Control Rod M.C. Sets locally.

- 2.2.2 If the turbine fails to trip:

2.2.2.1 Manually trip turbine from Control Room.

2.2.2.2 If the turbine has not yet tripped, dispatch an operator to locally trip the turbine.

2.2.2.3 Open generator breakers place DEH Control in manual and close the Governor Valves in fast action.

2.2.2.4 If turbine trip has not yet occurred, stop and lock out the LH Pumps.

2.2.2.5 If turbine trip has not yet occurred, close the MSIV's.

3.0 Subsequent Actions

3.1 If the reactor failed to trip, proceed to AP/1/A/5500/01 or AP 2 A 5500 01 (Reactor Trip) as applicable, and perform applicable steps concurrent with subsequent steps in this procedure.

3.2 If the turbine failed to trip, proceed to AP/1/A/5500/01 or AP 2 A 5500 01 (Turbine Trip) as applicable and perform applicable steps concurrent with subsequent steps in this procedure.

- 3.3 Proceed to EP/0/A/5000/06 (Addit) and perform applicable steps concurrent with subsequent steps in this procedure.
- 3.4 Bring the unit to cold shutdown in 30 hours by proceeding to OP/1/A/6100/02 or OP/2/A/6200/02 (Controlling Procedure for Unit Shutdown) as applicable.