FNP-2-EOP-15.0
June 4, 1980
Revision 0

FARLEY NUCLEAR PLANT

EMERGENCY OPERATING PROCEDURE

FNP-2-EOP-15.0

SAFETY RELATED

ANTICIPATED TRANSIENTS WITHOUT TRIP (ATWT)

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Approved:

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Operations Superintendent

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Diskette EOP-3

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FARLEY NUCLEAR PLANT
UNIT 2
EMERGENCY OPERATING PROCEDURE EOP-15.0

ANTICIPATED TRANSIENTS WITHOUT TRIP (HEWT)

1.0 Purpose

This procedure provides guidelines for operator action in the event a reactor trip and/or turbine trip does not occur following an automatic trip signal.

2.0 Symptoms

2.1 Failure to obtain a reactor trip following an automatic reactor trip signal.

2.2 Failure to obtain a turbine trip following an automatic turbine trip signal.

3.0 Automatic Actions

None

4.0 Immediate Operator Actions

4.1 If a reactor trip does not occur following an automatic reactor trip signal then:

4.1.1 Attempt to manually trip the reactor from the Main Control Board. If not successful, then:

4.1.2 Momemtarily de-energize load center 2D and 2E.

CAUTION

Load centers 2D and 2E should be re-energized immediately and all necessary loads should be restarted.

4.2 If a turbine trip has not occurred following an automatic turbine trip signal,

4.2.1 Attempt to manually trip the turbine from the Main Control Board. If the turbine does not trip, then:

4.2.2 De-energize the E.H. Pumps 2A & 2B from the Main Control Board. Start all available auxiliary feed pumps and throttle as necessary to maintain S/G level in the narrow range. If a turbine trip has not occurred, then:

4.2.3 Close the MSIV's.

5.0 Subsequent Operator Actions

5.1 If a reactor trip is not forthcoming after immediate action, then:

Go to local panel and manually open and rack out Reactor trip breakers and Reactor trip bypass breaker and flush the Boron Injection Tank to the Primary System as follows:

5.1.1 Stop the BIT Recirc Pumps 2A & 2B.

5.1.2 Close BIT Recirc Pmps to BIT Iso Vlv CVC-HV-8942.

5.1.3 Close BIT to BIT Recirc Pump Iso CVC-HV-8945A and CVC-HV-8945B.

5.1.4 Open Boron Injection Tank outlet valves CVC-MOV-8801A and CVC-MOV-8801B.

5.1.5 Open Boron Injection Tank inlet iso CVC-MOV-8803A and CVC-MOV-8803B.

5.2 If following an automatic turbine trip signal, the turbine does not trip and causes an uncontrolled cooldown, emergency borate in accordance with EOP-6.0.

5.3 When a reactor trip does occur, refer to EOP-5.0.

5.4 When a turbine trip does occur, refer to AOP-3.0.

5.5 If a safety injection signal occurs, refer to EOP-0.