TABLE 3.3.1-1

REACTOR PROTECTION SYSTEM INSTRUMENTATION

FUNCTIONAL UNIT	APPLICABLE OPERATIONAL CONDITIONS	MINIMUM NUMBER OPERABLE CHANNELS PER TRIP SYSTEM(a)	ACTION
1. Intermediate Range Monitors: (2C51-K601 A, B, C, D, E, F, G, H)			
a. Neutron Flux - High	2(c), 5(b)	3	1
	3, 4	2	2
b. Inoperative	2, 5(b)	3	1
	3, 4	2	2
2. Average Power Range Monitor (2C51-K605 A, B, C, D, E, F)			
a. Neutron Flux - Upscale, 15%	2, 5	2	1
b. Flow Referenced Simulated Thermal Power - Upscale	1	2	3
c. Fixed Neutron Flux - Upscale, 118%	1	2	3
d. Inoperative	1, 2, 5	2	4
e. Downscale	1	2	3
f. LPRM	1, 2, 5	(d)	NA
3. Reactor Vessel Steam Dome Pressure - High (2B21-N023 A, B, C, D)	1, 2(e)	2	5
4. Reactor Vessel Water Level - Low (2B21-N017 A, B, C, D)	1,2	2	5
5. Main Steam Line Isolation Valve - Closure (NA)	1(f)	4	3
6. Main Steam Line Radiation - High (2D11-K603 A, B, C, D)	1, 2(e)	2	6
7. Drywell Pressure - High (2C71-N002 A, B, C, D)	1, 2(g)	2	5

TABLE 3.3.1-1 (Continued)

REACTOR PROTECTION SYSTEM INSTRUMENTATION

FUNCTIONAL UNIT	APPLICABLE OPERATIONAL CONDITIONS	MINIMUM NUMBER OPERABLE CHANNELS PER TRIP SYSTEM(a)	ACTION
8. Scram Discharge Volume Water			
Level - High (2C11-N013 A, B, C, D)	1, 2, 5(h)	2	4
Level - High (2C11-N060 A, B, C, D)	1, 2, 5	2	4
9. Turbine Stop Valve - Closure (NA)	1(i)	4(j)	7
10. Turbine Control Valve Fast Closure, Trip Oil Pressure - Low (2C71-N005 A, B, C, D)	1(i)	2(j)	7
11. Reactor Mode Switch in Shutdown Position (NA)	1, 2, 3, 4, 5	1	8
12. Manual Scram (NA)	1, 2, 3, 4, 5	1	9

TABLE 3.3.1-1 (Continued)

REACTOR PROTECTION SYSTEM INSTRUMENTATION

ACTION 9 - In OPERATIONAL CONDITION 1 or 2, be in at least HOT SHUTDOWN within 6 hours.

In OPERATIONAL CONDITION 3 or 4, lock the reactor mode switch in the Shutdown position within one hour.

In OPERATIONAL CONDITION 5, suspend all operations involving CORE ALTERATIONS or positive reactivity changes and fully insert all insertable control rods within one hour.

TABLE NOTATIONS

a. A channel may be placed in an inoperable status for up to 2 hours for required surveillance without placing the trip system in the tripped condition provided at least one OPERABLE channel in the same trip system is monitoring that parameter.

b. The "shorting links" shall be removed from the RPS circuitry during CORE ALTERATIONS and shutdown margin demonstrations performed in accordance with Specification 3.10.3.

c. The IRM scrams are automatically bypassed when the reactor vessel mode switch is in the Run position and all APRM channels are OPERABLE and on scale.

d. An APRM channel is inoperable if there are less than 2 LPRM inputs per level or less than eleven LPRM inputs to an APRM channel.

e. These functions are not required to be OPERABLE when the reactor pressure vessel head is unbolted or removed.

f. This function is automatically bypassed when the reactor mode switch is in other than the Run position.

g. This function is not required to be OPERABLE when PRIMARY CONTAINMENT INTEGRITY is not required; this function may be bypassed when necessary for containment inerting or de-inerting (purging).

h. With any control rod withdrawn. Not applicable to control rods removed per Specification 3.9.11.1 or 3.9.11.2.

i. These functions are bypassed when turbine first stage pressure is $\leq$250* psig, equivalent to THERMAL POWER less than 30% of RATED THERMAL POWER.

j. Also trips reactor coolant system recirculation pump motors.

*Initial setpoint. Final setpoint to be determined during startup testing.

3/4.3.9 ATWS RECIRCULATION PUMP TRIP ACTUATION INSTRUMENTATION

LIMITING CONDITION FOR OPERATION

3.3.9 The anticipated transient without scram recirculation pump trip (ATWS-RPT) system instrumentation channels shown in Table 3.3.9-1 shall be OPERABLE with their trip setpoints set consistent with values shown in the Trip Setpoint column of Table 3.3.9-2.

APPLICABILITY: CONDITION 1

ACTION

a. With an ATWS recirculation pump trip system instrumentation channel trip setpoint less conservative than the value shown in the ALLOWABLE VALUE column of Table 3.3.9-2, declare the channel inoperable until the channel is restored to OPERABLE status with the channel trip set adjusted consistent with the Trip Setpoint value.

b. With the number of OPERABLE channels less than the MINIMUM NUMBER OPERABLE CHANNELS PER TRIP SYSTEM shown in Table 3.3.9-1 for one or both trip systems, place the inoperable channel(s) in the tripped condition within one hour.

c. With the number of OPERABLE channels two or more less than required by the MINIMUM NUMBER OPERABLE CHANNELS PER TRIP SYSTEM shown in Table 3.3.9-1 for one trip system and:

   1. If the inoperable channels consist of one reactor vessel water level channel and one reactor vessel pressure channel, place both inoperable channels in the tripped condition within one hour, or

   2. If the inoperable channels include two reactor vessel water level channels or two reactor vessel pressure channels, declare the trip system inoperable.

d. With one trip system inoperable, restore the inoperable trip system to OPERABLE status within 72 hours or be in at least STARTUP within the next 6 hours.

e. With both trip systems inoperable, restore at least one trip system to OPERABLE status within one hour or be in at least STARTUP within the next 6 hours.

SURVEILLANCE REQUIREMENTS

4.3.9.1 Each ATWS recirculation pump trip system instrumentation channel shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL FUNCTIONAL TEST, and CHANNEL CALIBRATION operations at the frequencies shown in TABLE 4.3.9-1.

4.3.9.2 LOGIC SYSTEM FUNCTIONAL TESTS and simulated automatic operation of all channels shall be performed at least once per 18 months.

TABLE 3.3.9-1

RECIRCULATION PUMP TRIP ACTUATION INSTRUMENTATION

FUNCTIONAL UNIT	APPLICABLE OPERABLE CONDITIONS	MINIMUM NUMBER OPERABLE CHANNELS PER TRIP SYSTEM[a]
1. Reactor steam dome pressure - (ATWS RPT) high (2B21-N045-A,B,C,D)	1	2
2. Reactor water level (Yarway Narrow Range) (2B21-N024A,B, and 2B21-N025A,B)	1	2

(a) One channel may be placed in an inoperable status for up to 2 hours for required surveillance provided the other channel is OPERABLE.

TABLE 3.3.9-2

RECIRCULATION PUMP TRIP ACTUATION INSTRUMENTS SETPOINTS

TRIP FUNCTION	TRIP SETPOINT	ALLOWABLE VALUE
1. Reactor Steam Dome Pressure - High	$\leq$ 1135 psig	$\leq$ 1150 psig
2. Reactor Vessel Water Level-Low Low, Level 2	$\geq$ - 38 inches	$\geq$ - 45 inches

TABLE 4.3.9-1

RECIRCULATION PUMP TRIP ACTUATION INSTRUMENTATION SURVEILLANCE REQUIREMENTS

FUNCTIONAL UNIT	CHANNEL CHECK	CHANNEL FUNCTIONAL TEST	CHANNEL CALIBRATION	OPERATIONAL CONDITIONS IN WHICH SURVEILLANCE REQUIRED
1. Reactor vessel steam dome pressure-high	NA	R	R	1
2. Reactor water level (Yarway and narrow range	D	R	R	1

ATTACHMENT 3
NRC DOCKET 50-366
OPERATING LICENSE NPF-5
EDWIN I. HATCH NUCLEAR PLANT UNIT 2
PROPOSED CHANGE TO TECHNICAL SPECIFICATIONS

The proposed change to Technical Specifications (Appendix A to Operating License NPF-5) would be incorporated as follows:

Remove Page	Insert Page
3/4 3-2	3/4 3-2
3/4 3-3	3/4 3-3
3/4 3-5	3/4 3-5
	3/4 3-66
	3/4 3-67
	3/4 3-68
	3/4 3-69