

Docket Nos.: 50-321
and 50-366

AUG 19 1987

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Docket File

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NRC PDR
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PRC System
MDuncan
LCrocker
OGC-Bethesda
ACRS (10)
JPartlow
EJordan
SVarga/GLainas

Dear Mr. O'Reilly:

Subject: License Amendment Corrections

Reference: Letter, L. P. Crocker (NRC) to J. P. O'Reilly (GPC), "Issuance of Amendment Nos. 143 and 78 to Facility Operating Licenses DPR-57 NPF-5 - Edwin I. Hatch Nuclear Plant, Units 1 and 2 (TACS 59542/56049)," July 14, 1987.

The following Hatch Units 1 and 2 Technical Specification pages (previously issued by the reference letter) were modified to include previously issued amendments.

Unit 1 (Amendment 143)

3.2-3 Incorporated Amendments 121 and 125
3.2-25 Incorporated Amendment 121
3.7-16 Incorporated Amendment 129

Unit 2 (Amendment 78)

3/4 3-11 Incorporated Amendment 71
3/4 3-15 Incorporated Amendment 71
3/4 3-16 Incorporated Amendment 67

Please replace the Technical Specification pages sent with amendments 143 and 78 with the enclosed revised pages.

These changes are effective as of the date of this letter and shall be implemented within 60 days.

Sincerely,

151

Lawrence P. Crocker, Project Manager
Project Directorate II-3
Division of Reactor Projects, I/II

Enclosure: As stated

cc: See next page

PD#II-3/DRP-I/II
MDuncan/mac
08/19/87

PD#II-3/DRP-I/II
LCrocker
08/19/87

DSH
PD#II-3/DRP-I/II
DHood/Acting PD
08/19/87

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PDR ADDCK 05000321
PDR

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Units Nos. 1 and 2

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Table 3.2-1 (Cont.)

HATCH - UNIT 1	Ref. No. (a)	Instrument	Trip Condition Nomenclature	Required Operable Channels per Trip System (b)	Trip Setting	Action to be taken if number of channels is not met for both trip systems (c)	Remarks (d)
3.2-3	4	Main Steam Line Radiation	High	2	≤3 times normal full power background(*)	Initiate an orderly load reduction and close MSIVs within 8 hours.	Initiates Group 1 isolation.
	5	Main Steam Line Pressure	Low	2	≥825 psig	Initiate an orderly load reduction and close MSIVs within 8 hours.	Initiates Group 1 isolation. Only required in RUN mode, therefore activated when Mode Switch is in RUN position.
	6	Main Steam Line Flow	High	2	≤138% rated flow (≤115 psid)	Initiate an orderly load reduction and close MSIVs within 8 hours.	Initiates Group 1 isolation.
	7	Main Steam Line Tunnel Temperature	High	2	≤194°F	Initiate an orderly load reduction and close MSIVs within 8 hours.	Initiates Group 1 isolation.
	8	Reactor Water Cleanup System Differential Flow	High	1	20-80 gpm	Isolate reactor water cleanup system.	Final trip setting will be determined during startup test program.
	9	Reactor Water Cleanup Area Temperature	High	2	≤124°F	Isolate reactor water cleanup system.	
	10	Reactor Water Cleanup Area Ventilation Differential Temperature	High	2	≤67°F	Isolate reactor water cleanup system.	
	11	Condenser Vacuum	Low	2	≥7" Hg. vacuum	Initiate an orderly load reduction and close MSIVs within 8 hrs.	Initiate Group 1 isolation
	12	Drywell Radiation	High	1	≤138 R/HR.	Close the affected isolation valves within 24 hours or be in Hot Shutdown within the next 6 hours and in Cold Shutdown within the next 30 hours.	Isolates containment purge and vent valves.

Table 4.2-1 (Cont'd)

Ref. No. (a)	Instrument	Instrument Check Minimum Frequency	Instrument Functional Test Minimum Frequency (b)	Instrument Calibration Minimum Frequency (c)
10	Reactor Water Cleanup Area Ventilation Differential Temperature	Once/shift	Once/month	Once/operating cycle
11	Condenser Vacuum	None	(d)	Every 3 months
12	Drywell Radiation	Once/day	Once/month (e)	Once/operating cycle

Notes for Table 4.2-1

- The column entitled "Ref. No." is only for convenience so that a one-to-one relationship can be established between items in Table 4.2-1 and items in Table 3.2-1.
- Instrument functional tests are not required when the instruments are not required to be operable or are tripped. However, if functional tests are missed, they shall be performed prior to returning the instrument to an operable status.
- Calibrations are not required when the instruments are not required to be operable. However, if calibrations are missed, they shall be performed prior to returning the instrument to an operable status.
- Initially once per month or according to Figure 4.1-1 with an interval of not less than one month nor more than three months. The compilation of instrument failure rate data may include data obtained

TABLE 3.7-1
PRIMARY CONTAINMENT ISOLATION VALVES WHICH
RECEIVE A PRIMARY CONTAINMENT ISOLATION SIGNAL

Isolation Group (b)	Valve Identification (d)	Number of Power Operated Valves		Maximum Operating Time (sec)	Normal Position (a)	Action on Initiating Signal (a)
		Inside	Outside			
1	Main steam line (B21-F022 A,B,C,D; B21-F028 A,B,C,D)	4	4	3<T<5	0	GC
1	Main steam line drain (B21-F016, B21-F019)	1	1	15	C	SC
1	Reactor water sample line (B31-F019, B31-F020)	1	1	5	0	GC
2 ^(f)	Drywell purge inlet (T48-F307, T48-F308)		2	5	C	SC
2 ^(f)	Drywell main exhaust (T48-F319, T48-F320)		2	5	C	SC
2	Drywell exhaust valve bypass to standby gas treatment (T48-F341, T48-F340)		2	5	C	SC
2	Drywell nitrogen make-up line (normal operation) (T48-F118A)		1	5	C	SC
2 ^(f)	Suppression chamber purge inlet (T48-F309, T48-F324)		2	5	C	SC
2 ^(f)	Suppression chamber main exhaust (T48-F318, T48-F326)		2	5	C	SC

TABLE 3.3.2-1
ISOLATION ACTUATION INSTRUMENTATION

<u>TRIP FUNCTION</u>	<u>VALVE GROUPS OPERATED BY SIGNAL(a)</u>	<u>MINIMUM NUMBER OPERABLE CHANNELS PER TRIP SYSTEM(b)(c)</u>	<u>APPLICABLE OPERATIONAL CONDITION</u>	<u>ACTION</u>
1. <u>PRIMARY CONTAINMENT ISOLATION</u>				
a. Reactor Vessel Water Level				
1. Low (Level 3) (2B21-N680 A, B, C, D)	2, 6, 10, 11, 12	2	1, 2, 3	20
2. Low-Low (Level 2) (2B21-N682 A, B, C, D)	5, *	2	1, 2, 3	20
3. Low-Low-Low (Level 1) (2B21-N681 A, B, C, D)	1	2	1, 2, 3	20
b. Drywell Pressure - High (2C71-N650 A, B, C, D)	2, 6, 7, 10, 12, *	2	1, 2, 3	20
c. Main Steam Line				
1. Radiation - High (2D11-K603 A, B, C, D)	1, 12, (d)	2	1, 2, 3	21
2. Pressure - Low (2B21-N015 A, B, C, D)	1	2	1	22
3. Flow - High (2B21-N686 A, B, C, D) (2B21-N687 A, B, C, D) (2B21-N688 A, B, C, D) (2B21-N689 A, B, C, D)	1	2/line	1, 2, 3	21
d. Main Steam Line Tunnel Temperature - High (2B21-N623 A, B, C, D) (2B21-N624 A, B, C, D) (2B21-N625 A, B, C, D) (2B21-N626 A, B, C, D)	1	2/line(e)	1, 2, 3	21
e. Condenser Vacuum - Low (2B21-N056 A, B, C, D)	1	2	1, 2, (f), 3(f)	23
f. Turbine Building Area Temperature - High (2U61-R001, 2U61-R002, 2U61-R003, 2U61-R004)	1	2(e)	1, 2, 3	21
g. Drywell Radiation - High (2D11-K621 A,B)	(j)	1	1, 2, 3	29

ISOLATION ACTUATION INSTRUMENTATION

ACTION

- ACTION 20 - Be in at least HOT SHUTDOWN within 6 hours and in COLD SHUTDOWN within the next 30 hours.
- ACTION 21 - Be in at least STARTUP with the main steam line isolation valves closed within 2 hours or be in at least HOT SHUTDOWN within 6 hours and in COLD SHUTDOWN within the next 30 hours.
- ACTION 22 - Be in at least STARTUP within 2 hours.
- ACTION 23 - Be in at least STARTUP with the Group 1 isolation valves closed within 2 hours or in at least HOT SHUTDOWN within 6 hours.
- ACTION 24 - Establish SECONDARY CONTAINMENT INTEGRITY with the standby gas treatment system operating within one hour.
- ACTION 25 - Isolate the reactor water cleanup system.
- ACTION 26 - Close the affected system isolation valves and declare the affected system inoperable.
- ACTION 27 - Verify power availability to the bus at least once per 12 hours or close the affected system isolation valves and declare the affected system inoperable.
- ACTION 28 - Close the shutdown cooling supply and reactor vessel head spray isolation valves unless reactor steam dome pressure \leq 145 psig.
- ACTION 29 - Either close the affected isolation valves within 24 hours or be in HOT SHUTDOWN within the next 6 hours and in COLD SHUTDOWN within the next 30 hours.

NOTES

- * Actuates the standby gas treatment system.
- ** When handling irradiated fuel in the secondary containment.
 - a. See Specification 3.6.3, Table 3.6.3-1 for valves in each valve group.
 - b. 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 other OPERABLE channel in the same trip system is monitoring that parameter.
 - c. With a design providing only one channel per trip system, an inoperable channel need not be placed in the tripped condition where this would cause the Trip Function to occur. In these cases, the inoperable channel shall be restored to OPERABLE status within 2 hours or the ACTION required by Table 3.3.2-1 for that Trip Function shall be taken.
 - d. Trips the mechanical vacuum pumps.
 - e. A channel is OPERABLE if 2 of 4 instruments in that channel are OPERABLE.
 - f. May be bypassed with all turbine stop valves closed.
 - g. Closes only RWCU outlet isolation valve 2G31-F004.
 - h. Alarm only.
 - i. Adjustable up to 60 minutes.
 - j. Isolates containment purge and vent valves.

TABLE 3.3.2-2
ISOLATION ACTUATION INSTRUMENTATION SETPOINTS

<u>TRIP FUNCTION</u>	<u>TRIP SETPOINT</u>	<u>ALLOWABLE VALUE</u>
1. <u>PRIMARY CONTAINMENT ISOLATION</u>		
a. Reactor Vessel Water Level		
1. Low (Level 3)	≥ 10 inches*	≥ 10 inches*
2. Low Low (Level 2)	≥ -47 inches*	≥ -47 inches*
3. Low Low Low (Level 1)	≥ -113 inches*	≥ -113 inches*
b. Drywell Pressure - High	≤ 1.92 psig	≤ 1.92 psig
c. Main Steam Line		
1. Radiation - High	$\leq 3 \times$ full power background	$\leq 3 \times$ full power background
2. Pressure - Low	≥ 825 psig	≥ 825 psig
3. Flow - High	$\leq 138\%$ rated flow	$\leq 138\%$ rated flow
d. Main Steam Line Tunnel Temperature - High	$\leq 194^{\circ}\text{F}$	$\leq 194^{\circ}\text{F}$
e. Condenser Vacuum - Low	$\geq 7"$ Hg vacuum	$\geq 7"$ Hg vacuum
f. Turbine Building Area Temp.-High	$\leq 200^{\circ}\text{F}$	$\leq 200^{\circ}\text{F}$
g. Drywell Radiation - High	≤ 138 R/hr	≤ 138 R/hr
2. <u>SECONDARY CONTAINMENT ISOLATION</u>		
a. Reactor Building Exhaust Radiation - High	≤ 60 mr/hr	≤ 60 mr/hr
b. Drywell Pressure - High	≤ 1.92 psig	≤ 1.92 psig
c. Reactor Vessel Water Level - Low Low (Level 2)	≥ -47 inches*	≥ -47 inches*
d. Refueling Floor Exhaust Radiation - High	≤ 20 mr/hr	≤ 20 mr/hr

*See Bases Figure B 3/4 3-1.