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L. T. Gucwa
Manager Nuclear Engineering
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the southern electric system

NED-84-391

July 19, 1984

Director of Nuclear Reactor Regulation
Attention: Mr. John F. Stolz, Chief
Operating Reactors Branch No. 4
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

NRC DOCKETS 50-321, 50-366
OPERATING LICENSES DPR-57, NPF-5
EDWIN I. HATCH NUCLEAR PLANT UNITS 1, 2
REVISION OF EQUIPMENT QUALIFICATION PROGRAM
DEADLINE EXTENSION REQUEST FOR ATTS

Gentlemen:

By letter dated July 6, 1984 (NED-84-369), Georgia Power Company (GPC) requested an extension of the 10 CFR 50.49(g) equipment qualification deadline to November 30, 1985, for specified portions of the Plant Hatch Unit 1 Analog Transmitter Trip System (ATTS). Since the submittal of that request, GPC has discovered several minor errors in the two enclosures to that letter. Therefore GPC amends our July 6, 1984 submittal by the removal of Enclosures 1 and 2 from that document and their replacement with Enclosures 1 and 2 of this revision submittal. The changes which have been made to the two enclosures have no significant effect on the contents of the original submittal with regard to plant safety and have been made only to prevent confusion to the reader. Each change to the enclosures has been indicated.

Sincerely yours,

R. D. Baker

for L. T. Gucwa

CBS

Enclosures

xc: J. T. Beckham, Jr.
H. C. Nix, Jr.
J. P. O'Reilly (NRC- Region II)
Senior Resident Inspector

A046
1/1

8407240057 840719
PDR ADOCK 05000321
P PDR

ENCLOSURE 1

INSTRUMENT LOOP INFORMATION

<u>VARIABLE NAME (a)</u>	<u>TRIP UNIT MPL NO.</u>	<u>TRANSMITTER</u>		<u>ENGINEERING SAFEGUARD DIVISION</u>	<u>GENERIC NAME</u>	<u>MANUFACTURER</u>	<u>MODEL NO.</u>
		<u>OLD MPL NO.</u>	<u>NEW MPL NO.</u>				
1) Low Low Set Arming Permissive (b)	B21-N620 A,B,C,D	-- --	B21-N120 A,B,C,D	ECCS	Pressure Transmitter	Rosemount	1153
2) Low Low Set Control Permissive (b)	B21-N621 A,B,C,D	-- --	B21-N120 A,B,C,D	ECCS	Slave	NA	NA
3) Low Low Set Control Permissive (b)	B21-N622 A,B,C,D	-- --	B21-N122 A,B,C,D	ECCS	Pressure Transmitter	Rosemount	1153
4) Reactor Vessel Water Level Low (Level 3)	B21-N680 A,B,C,D	B21-N017 A,B,C,D	B21-N080 A,B,C,D	RPS	Differential Pressure Transmitter	Barton	764
5) Reactor Vessel Water Level High (Level 8)	B21-N693 A,B	B21-N017 A,B	B21-N093 A,B	ECCS	Differential Pressure Transmitter	Rosemount	1153
6) Reactor Vessel Water Level High (Level 8)	B21-N693 C,D	B21-N017 C,D	B21-N095 A,B	ECCS	Slave	NA	NA
7) Reactor Vessel Water Level Low (Level 1) (c)	B21-N681 A,B,C,D	B21-N024 A,B B21-N025 A,B	B21-N081 A,B,C,D	RPS	Differential Pressure Transmitter	Barton	764
8) Reactor Vessel Water Level Low (Level 2)	B21-N682 A,B,C,D	B21-N024 A,B B21-N025 A,B	B21-N081 A,B,C,D	RPS	Slave	NA	NA
9) Reactor Vessel Water Level Low (Level 1)	B21-N691 A,B,C,D	B21-N031 A,B,C,D	B21-N091 A,B,C,D	ECCS	Differential Pressure Transmitter	Barton	764

ENCLOSURE 1

INSTRUMENT LOOP INFORMATION

<u>VARIABLE NAME (a)</u>	<u>TRIP UNIT MPL NO.</u>	<u>TRANSMITTER</u>		<u>ENGINEERING SAFEGUARD DIVISION</u>	<u>GENERIC NAME</u>	<u>MANUFACTURER</u>	<u>MODEL NO.</u>
		<u>OLD MPL NO.</u>	<u>NEW MPL NO.</u>				
10) Reactor Vessel Water Level Low (Level 2)	B21-N692 A,B,C,D	B21-N031 A,B,C,D	B21-N091 A,B,C,D	ECCS	Slave	NA	NA
11) Reactor Vessel Water Level Low (Level 3)	B21-N695 A,B	B21-N042 A,B	B21-N095 A,B	ECCS	Differential Pressure Transmitter	Barton	764
12) Reactor Vessel Water Level Indication	— — —	B21-N027	B21-N027	ECCS	Differential Pressure Transmitter	Barton	764
13) Reactor Vessel Steam Dome Pressure Low	B21-N690 A,D,E,F	B21-N021 A,D,E,F	B21-N090 A,D,E,F	ECCS	Pressure Transmitter	Barton	763

NOTES:

- (a) Transmitters having the same MPL No. are the same equipment providing several trip functions.
- (b) To be included in the Unit 1, 1984 outage is all of the low low set logic supporting hardware (pressure switches, accumulators)
- (c) The lowered MSIV closure Reactor Vessel Water Level Trip Setpoint Modification is included.

ENCLOSURE 2
INSTRUMENT LOOP INFORMATION

VARIABLE NAME ^(a)	TRIP UNIT MPL NO.	TRANSMITTER		ENGINEERING SAFEGUARD DIVISION	GENERIC NAME	MANUFACTURER	MODEL NO. ^(b)
		OLD MPL NO.	NEW MPL NO.				
1) Steam Tunnel* Temperature High	B21-N623 A,B,C,D	B21-N010 A,B,C,D	B21-N123 A,B,C,D	RPS	RTD	Weed	1A0D
2) Steam Tunnel* Temperature High	B21-N624 A,B,C,D	B21-N011 A,B,C,D	B21-N124 A,B,C,D	RPS	RTD	Weed	1A0D
3) Steam Tunnel* Temperature High	B21-N625 A,B,C,D	B21-N012 A,B,C,D	B21-N125 A,B,C,D	RPS	RTD	Weed	1A0D
4) Steam Tunnel* Temperature High	B21-N626 A,B,C,D	B21-N013 A,B,C,D	B21-N126 A,B,C,D	RPS	RTD	Weed	1A0D
5) Reactor Vessel* Pressure Low	B21-N641 B,C	B21-N021 B,C	B21-N090 B,C	ECCS	Slave	NA	NA
6) Reactor Vessel Steam Dome Pressure High	B21-N678 A,B,C,D	B21-N023 A,B,C,D	B21-N078 A,B,C,D	RPS	Pressure Transmitter	Rosemount	1153
7) Reactor Vessel Steam Dome Pressure Low	B31-N679 A,D	B31-N018 A,B	B31-N079 A,D	RPS	Differential Pressure Transmitter	Barton	764
8) Reactor Shroud* Water Level Low (Level 0)	B21-N685 A,B	B21-N036 B21-N037	B21-N085 A,B	ECCS	Differential Pressure Transmitter	Barton	764
9) Main Steam Line A* Flow High	B21-N686 A,B,C,D	B21-N006 A,B,C,D	B21-N086 A,B,C,D	RPS	Differential Pressure Transmitter	Barton	764
10) Main Steam Line B* Flow High	B21-N687 A,B,C,D	B21-N007 A,B,C,D	B21-N087 A,B,C,D	RPS	Differential Pressure Transmitter	Barton	764

ENCLOSURE 2

INSTRUMENT LOOP INFORMATION

<u>VARIABLE NAME</u> ^(a)	<u>TRIP UNIT</u> <u>MPL NO.</u>	<u>TRANSMITTER</u>		<u>ENGINEERING</u> <u>SAFEGUARD</u> <u>DIVISION</u>	<u>GENERIC NAME</u>	<u>MANUFACTURER</u>	<u>MODEL NO.</u> ^(b)
		<u>OLD</u> <u>MPL NO.</u>	<u>NEW</u> <u>MPL NO.</u>				
11) Main Steam Line C* Flow High	B21-N688 A,B,C,D	B21-N008 A,B,C,D	B21-N088 A,B,C,D	RPS	Differential Pressure Transmitter	Barton	764
12) Main Steam Line D* Flow High	B21-N689 A,B,C,D	B21-N009 A,B,C,D	B21-N089 A,B,C,D	RPS	Differential Pressure Transmitter	Barton	764
13) Reactor Vessel* Pressure Low	B21-N690 B,C	B21-N021 B,C	B21-N090 B,C	ECCS	Pressure Transmitter	Barton	763
14) Drywell Pressure* High	C71-N650 A,B,C,D	C71-N002 A,B,C,D	C71-N050 A,B,C,D	RPS	Differential Pressure Transmitter	Barton	764
15) Heat Exchanger* Shell to Tube Differential Pressure Indicator	---	E11-N002 A,B	E11-N002 A,B	ECCS	Differential Pressure Transmitter	Barton	764
16) RHR Service Water Flow Indication	---	E11-N007 A,B	E11-N007 A,B	ECCS	Differential Pressure Transmitter	Barton	764
17) RHR System Flow* Indication	---	E11-N015 A,B	E11-N015 A,B	ECCS	Differential Pressure Transmitter	Barton	764
18) RHR Pump Discharge* Pressure High	E11-N655 A,B,C,D	E11-N016 A,B,C,D	E11-N055 A,B,C,D	ECCS	Pressure Transmitter	Barton	763
19) RHR Pump Discharge* Pressure High	E11-N656 A,B,C,D	E11-N020 A,B,C,D	E11-N056 A,B,C,D	ECCS	Pressure Transmitter	Barton	763

ENCLOSURE 2
INSTRUMENT LOOP INFORMATION

VARIABLE NAME (a)	TRIP UNIT MPL NO.	TRANSMITTER		ENGINEERING SAFEGUARD DIVISION	GENERIC NAME	MANUFACTURER	MODEL NO. (b)
		OLD MPL NO.	NEW MPL NO.				
20) RHR Pump Flow* Low	E11-N682 A,B	E11-N021 A,B	E11-N082 A,B	ECCS	Differential Pressure Transmitter	Barton	764
21) Drywell Pressure* High	E11-N694 A,B,C,D	E11-N010 A,B,C,D	E11-N094 A,B,C,D	ECCS	Differential Pressure Transmitter	Barton	764
		E11-N011# A,B,C,D					
22) Core Spray Flow* Indication	---	E21-N003 A,B	E21-N003 A,B	ECCS	Differential Pressure Transmitter	Barton	764
23) Core Spray Pump* Discharge Flow Low	E21-N651 A,B	E21-N006 A,B	E21-N051 A,B	ECCS	Differential Pressure Transmitter	Barton	764
24) Core Spray Pump* Discharge Pressure High	E21-N652 A,B	E21-N009 A,B	E21-N052 A,B	ECCS	Pressure Transmitter	Barton	763
25) Core Spray Pump* Discharge Pressure High	E21-N655 A,B	E21-N008 A,B	E21-N055 A,B	ECCS	Pressure Transmitter	Barton	763
26) HPCI Pump* Pressure High	E41-N650	E41-N027	E41-N050	ECCS	Pressure Transmitter	Barton	763
27) HPCI Pump* Discharge Flow High	E41-N651	E41-N006	E41-N051	ECCS	Differential Pressure Transmitter	Barton	764
28) HPCI Pump* Flow Indication	---	E41-N008	E41-N008	ECCS	Differential Pressure Transmitter	Barton	764

ENCLOSURE 2
INSTRUMENT LOOP INFORMATION

VARIABLE NAME (a)	TRIP UNIT MPL NO.	TRANSMITTER		ENGINEERING SAFEGUARD DIVISION	GENERIC NAME	MANUFACTURER	MODEL NO. (b)
		OLD MPL NO.	NEW MPL NO.				
29) HPCI Pump* Suction Pressure Low	E41-N653	E41-N010	E41-N053	ECCS	Differential Pressure Transmitter	Barton	764
30) HPCI Turbine Exhaust* Diaphragm Pressure High	E41-N655 A,B,C,D	E41-N012 A,B,C,D	E41-N055 A,B,C,D	ECCS	Differential Pressure Transmitter	Barton	764
31) HPCI Turbine Exhaust* Pressure High	E41-N656 B,D	E41-N017 A,B	E41-N056 B,D	ECCS	Pressure Transmitter	Barton	763
32) HPCI Steam Line* Differential Pressure High (+)	E41-N657 A,B	E41-N004 E41-N005	E41-N057 A,B	ECCS	Differential Pressure Transmitter	Barton	764
33) HPCI Steam Supply* Pressure Low	E41-N658 A,B,C,D	E41-N001 A,B,C,D	E41-N058 A,B,C,D	ECCS	Pressure Transmitter	Barton	763
34) HPCI Steam Line* Differential Pressure High (-)	E41-N660 A,B	E41-N004 E41-N005	E41-N057 A,B	ECCS	Slave	NA	NA
35) HPCI Torus Water* Level High	E41-N662 B,D	E41-N015 A,B	E41-N062 B,D	ECCS	Capillary Differential Pressure Transmitter	Barton	764 with Model 352 Capillary Sensors
36) HPCI Equipment* Ambient Temperature High	E41-N670 A,B	E41-N030 A,B	E41-N070 A,B	ECCS	RTD	Weed	1A0D
37) HPCI Pipe Room* Ambient Temperature High	E41-N671 A,B	E41-N046 A,B	E41-N071 A,B	ECCS	RTD	Weed	1A0D
38) RCIC Pump Discharge Pressure High	E51-N650	E51-N020	E51-N050	ECCS	Pressure Transmitter	Barton	763

ENCLOSURE 2
INSTRUMENT LOOP INFORMATION

VARIABLE NAME ^(a)	TRIP UNIT MPL NO.	TRANSMITTER		ENGINEERING SAFEGUARD DIVISION	GENERIC NAME	MANUFACTURER	MODEL NO. ^(b)
		OLD MPL NO.	NEW MPL NO.				
39) RCIC Pump Flow* High and Low	E51-N651	E51-N002	E51-N051	ECCS	Differential Pressure Transmitter	Barton	764
40) RCIC Pump Flow Indication	---	E51-N003	E51-N003	ECCS	Differential Pressure Transmitter	Barton	764
41) RCIC Turbine Exhaust Pressure High	E51-N656 A,C	E51-N009 A,B	E51-N056 A,C	ECCS	Pressure Transmitter	Barton	763
42) RCIC Steam Line* ΔP High (+)	E51-N657 A,B	E51-N017 E51-N018	E51-N057 A,B	ECCS	Differential Pressure Transmitter	Barton	764
43) RCIC Steam Supply* Pressure Low	E51-N658 A,B,C,D	E51-N019 A,B,C,D	E51-N058 A,B,C,D	ECCS	Pressure Transmitter	Barton	763
44) RCIC Steam Line* ΔP High (-)	E51-N660 A,B	E51-N017 E51-N018	E51-N057 A,B	ECCS	Slave	NA	NA
45) RCIC Equipment* Ambient Temperature High	E51-N661 A,B	E51-N023 A,B	E51-N061 A,B	ECCS	RTD	Weed	1A0D
46) Torus Ambient* Temperature (no trip)	E51-N663 A,B,C,D	E51-N026 A,B,C,D	E51-N063 A,B,C,D	ECCS	RTD	Weed	1A0D
	E51-N664 A,B,C,D	E51-N027 A,B,C,D	E51-N064 A,B,C,D	ECCS	RTD	Weed	1A0D
47) Torus Ambient* Temperature High	E51-N666 A,B,C,D	E51-N025 A,B,C,D	E51-N066 A,B,C,D	ECCS	RTD	Weed	1A0D

ENCLOSURE 2
INSTRUMENT LOOP INFORMATION

VARIABLE NAME ^(a)	TRIP UNIT MPL NO.	TRANSMITTER		ENGINEERING SAFEGUARD DIVISION	GENERIC NAME	MANUFACTURER	MODEL NO. ^(b)
		OLD MPL NO.	NEW MPL NO.				
48) Torus Differential* Temperature High	E51-N665 A,B,C,D	E51-N604 A,B,C,D###	NA	ECCS	NA	NA	NA
49) RCIC Pump Suction Pressure Low	E51-N683#	E51-N006	E51-N083	ECCS	Differential Pressure Transmitter	Barton	764
50) RCIC Turbine Exhaust* Diaphragm Pressure High	E51-N685 A,B,C,D	E51-N012 A,B,C,D	E51-N085 A,B,C,D	ECCS	Differential Pressure Transmitter	Barton	764
51) Cleanup Flow to* Condenser Indication	---	G31-N012	G31-N012	ECCS	Differential Pressure Transmitter	Barton	764
52) Cleanup Flow From* Vessel Indication	---	G31-N036	G31-N036	ECCS	Differential Pressure Transmitter	Barton	764
53) Cleanup Flow From* Vessel Indication	---	G31-N041	G31-N041	ECCS	Differential Pressure Transmitter	Barton	764
54) RWCU Room Temperature* Inlet (no trip)	G31-N661 A,D,E,H, J,M	G31-N023 A,B,C,D E,F	G31-N061 A,D,E,H, J,M	RPS	RTD	Weed	1A0D
55) RWCU Area Ventilation* Differential Temperature High	G31-N663 A,D,E,H, J,M	G31-N602 A,B,C,D### E,F	NA	RPS	NA	NA	NA
56) RWCU Room Outlet* Ambient Temperature High	G31-N662 A,E,D,H, J,M	G31-N022 A,B,C,D, E,F	G31-N062 A,D,E,H, J,M	RPS	RTD	Weed	1A0D
	---	G31-N016## A,B,C,D, E,F	---	RPS	---	---	---

ENCLOSURE 2

NOTES

- # Deleted from plant. Functions of Ell-N011A,B,C,D assigned to Ell-N010A,B,C,D.
- ## Safety functions of G31-N016A,B,C,D,E,F are being assigned to G31-N062A,D,E,H,J,M.
- ### The listed items are actually the slave relays instead of the actual sensors (transmitters) due to the unusual logic used for these functions. The sensors for these trip functions are listed in this enclosure under other trip functions.
- * Instruments for which a 10 CFR 50.49 extension is requested.
- (a) Transmitters having the same MPL No. are the same equipment providing several trip functions.
- (b) The complete RTD model number for all present ATTS applications is: 1A0D/611-1B-C-6-C-2-A2-0.