



ENTERGY

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R. F. Burski

Director
Nuclear Safety
Waterford 3

W3F1-95-0041

A4.05

PR

March 17, 1995

U.S. Nuclear Regulatory Commission
ATTN: Mr. W.T. Russell, Director
Office of Nuclear Reactor Regulation
Washington, D.C. 20555-0001

Subject: Waterford 3 SES
Docket No. 50-382
License No. NPF-38
10 CFR 55.45(b)(5)(ii)
Four Year Report On Anniversary
of Simulator Certification

Dear Mr. Russell:

In accordance with the requirements of 10 CFR 55.45(b)(5)(ii) and 10 CFR 55.45(b)(5)(vi), Waterford 3 is hereby submitting a Four Year Report on the anniversary of our Simulator Certification. The Simulator original certification submittal (W3F1-91-0040) was dated March 20, 1991.

The report is required to identify any uncorrected performance test failures, and include a schedule for correction of such performance test failures, if any. Currently, there are no uncorrected performance test failures to report.

Attached are additional items required by 10 CFR 55.45(b)(5)(vi). Attachment 1, Part 1 contains a description of the Simulator Performance Test program as run over the past 4 years. Attachment 1, Part 2 contains a description of the current Simulator Performance Test Program. Attachment 2 contains descriptions of the changes made to the Simulator Performance Test Plan. The changes made to the plan were minor. Attachment 3 is the completed NRC Form 474.

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10 CFR 55.45(b)(5)(ii)

Four Year Report On Anniversary of Simulator Certification

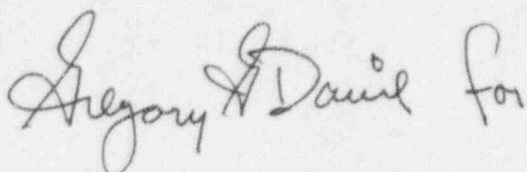
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If there are any questions regarding the subject report, please contact
O.P. Pipkins at (504) 739-6707.

Very truly yours,

A handwritten signature in cursive script that reads "Gregory A. Daniel for".

R.F. Burski
Director
Nuclear Safety

RFB/OPP/ssf
Attachments

cc: (w/o Attachments)
L.J. Callan, NRC Region IV
C.P. Patel, NRC-NRR
R.B. McGehee
N.S. Reynolds
NRC Resident Inspectors Office

ATTACHMENT 1

PART 1

DESCRIPTION OF COMPLETED PERFORMANCE TESTS

PERFORMANCE TEST
PROCEDURE

NO: NTI-509
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NTI-509
ATTACHMENT 7.1
FIRST YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-602.01	NORMAL OPERATION TEST	YES	A3.2	
NTI-603.01	45% ACCURACY TEST	YES	B2.1	
NTI-603.02	80% ACCURACY TEST	YES	B2.1	
NTI-603.03	100% ACCURACY TEST	YES	B2.1	
NTI-603.04	100% STABILITY TEST	YES	B2.1	
NTI-604.01	MANUAL REACTOR TRIP	YES	B2.2(1)	
NTI-604.02	SIM. TRIP OF ALL FDW PUMPS	YES	B2.2(2)	
NTI-604.03	SIM. CLOSURE OF ALL MSIVs	YES	B2.2(3)	
NTI-604.04	SIM. TRIP OF ALL RCPs	YES	B2.2(4)	
NTI-604.05	TRIP ANY RCP	YES	B2.2(5)	
NTI-604.06	MAIN TURBINE TRIP	YES	B2.2(6)	
NTI-604.07	MAX RATE POWER RAMP	YES	B2.2(7)	
NTI-604.08	MAX LOCA WITH LOP	YES	B2.2(8)	
NTI-604.09	MAX UNISOLABLE MS LEAK	YES	B2.2(9)	
NTI-604.10	SLOW RCS DEPRESS W/NO HPSI	YES	B2.2(10)	
NTI-610.01	CCW PUMP(S) TRIP	YES	3.1.2(8)	CC01
NIT-610.06	RCP SEAL CLR OTLT VLV FAILS	YES	3.1.2(8)	CC06
NIT-610.10	LOSS OF CCW TO SDC HX	YES	3.1.2(7)	CC10
NIT-610.17	RUPTURE OF CCW PMP DISC PIPE	YES	3.1.2(8)	CC17
NTI-612.01	REACTOR FUEL CLADDING FAILS	YES	3.1.2(14)	CR01
NTI-614.01	CHARGING PUMP TRIP	YES	3.1.2(18)	CV01
NIT-614.06	LTDN HX TCV FAILS SHUT	YES	3.1.2(18)	CV06

PERFORMANCE TEST
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ATTACHMENT 7.1
FIRST YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-615.01	CW PUMP TRIP	YES	3.1.2(5)	CW01
NTI-616.01	FDR BRKR TRIP IN SWITCHYARD	YES	3.1.2(3)	ED01
NIT-616.06	LOSS OF 480VAC BUS (ES)	YES	3.1.2(3)	ED06
NTI-617.03	MAIN GEN LOAD REJECTION	YES	3.1.2(16)	EG03
NIT-617.08	FAILURE OF DG TO AUTOSTART	YES	3.1.2(3)	EG08
NIT-617.18	H2 SEAL OIL PMP TRIP (H2)	YES	3.1.2(22)	EG18
NTI-619.01	CONDENSATE PUMP TRIP	YES	3.1.2(9)	FW01
NIT-619.08	LOSS OF AUX FDW PUMP	YES	3.1.2(9)	FW08
NIT-619.19	FDW HTR BYPASS VLV FAILURE	YES	3.1.2(9)	FW19
NIT-619.30	EMER FDW PMP SUCT HDR LEAK	YES	3.1.2(9)	FW30
NTI-621.01	SA/IA CROSSOVER VLV FAILS	YES	3.1.2(2)	IA01
NTI-622.04	STEAM BYPASS VLV LEAKAGE	YES	3.1.2(17)	MS04
NTI-622.11	MS LINE BREAK INSIDE CNTMT	YES	3.1.2(20)	MS11
NTI-623.01	SAFETY INSTRMNT CH FAILURE	YES	3.1.2(21)	NI01
NTI-625.01	CPC CHANNEL(S) FAIL	YES	3.1.2(11)	PW01
NTI-626.01	LOSS OF ALL RCPS	YES	3.1.2(4)	RC01
NTI-626.08	RCP LOWER SEAL FAILURE	YES	3.1.2(4)	RC08
NTI-626.14	PZR SPRAY VALVE FAILURE	YES	3.1.2(18)	RC14
NTI-626.18	RCS COLD LEG CNTRL TT FAILS	YES	3.1.2(22)	RC18
NTI-626.22	PZR CPC SFTY PT FAILS HI/LO	YES	3.1.2(22)	RC22
NTI-626.27	PZR INSTRMNT LINE BREAK	YES	3.1.2(1)	RC27

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ATTACHMENT 7.1
FIRST YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-627.01	CEDM MG SET FAILURE	YES	3.1.2(12)	RD01
NTI-627.05	ROD EJECTION	YES	3.1.2(12)	RD05
NTI-627.14	FAILURE OF CNTRL/SD BANKS TO TRIP	YES	3.1.2(12)	RD14
NTI-629.02	RPS AUTO TRIP FAILURE	YES	3.1.2(24)	RP02
NTI-629.06	RPS MATRIX RELAY FAILURE	YES	3.1.2(17)	RP06
NTI-630.01	SBC QUICK OPEN SIG FAILS	YES	3.1.2(17)	RX01
NTI-630.08	PZR LEVEL CNTRLR FAILS OFF	YES	3.1.2(18)	RX08
NTI-630.14	PZR PRESS CNTRL 100X/Y FAILS	YES	3.1.2(18)	RX14
NTI-631.01	S/G TUBE LEAK	YES	3.1.2(1)	SG01
NTI-632.01	SI PUMP TRIP	YES	3.1.2(22)	SI01
NTI-634.01	TCCW PUMP TRIP	YES	3.1.2(6)	TP01

PERFORMANCE TEST
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NTI-509
ATTACHMENT 7.2
SECOND YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-626.23	RCS COLD LEG PIPE RUPTURE	YES	3.1.2(1)	RC23
NTI-627.02	DROPPED CEA	YES	3.1.2(12)	RD02
NTI-627.06	CEA GRP UNCNRD INSERTION	YES	3.1.2(12)	RD06
NTI-627.11	CEAS MECHANICALLY STUCK	YES	3.1.2(12)	RD11
NTI-627.21	CEA UPR ELEC LIMIT FAILURE	YES	3.1.2(12)	RD21
NTI-629.03	RX TRIP WITH NO AUTO TURBINE TRIP	YES	3.1.2(19)	RP03
NTI-629.07	RPS DISTABLE RELAY FAILURE	YES	3.1.2(17)	RP07
NTI-630.04	MFV FLOW CNTRL VLV FAILURE	YES	3.1.2(9)	RX04
NTI-630.09	S/G LEVEL CNTRL FAILURE	YES	3.1.2(22)	RX09
NTI-631.04	MS LINE PRESS XMTR FAILS	YES	3.1.2(22)	SG04
NTI-632.04	AIR BINDING IN SI SYSTEM	YES	3.1.2(7)	SI04
NTI-633.01	TURBINE LOAD CNTRL DMD FAILS	YES	3.1.2(17)	TC01
NTI-634.04	TCCW HX A OUTLET HDR LEAK	YES	3.1.2(6)	TP04

PERFORMANCE TEST
PROCEDURE

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ATTACHMENT 7.2
SECOND YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALE USED
NIT-614.14	CVCS LTDN LEAK IN CNTMT	YES	3.1.2(1)	CV14
NIT-616.02	LOSS OF MAJOR STATION XFMR	YES	3.1.2(3)	ED02
NIT-616.07	LOSS OF 125VDC BUS (ES)	YES	3.1.2(3)	ED07
NIT-617.04	MAIN GEN OUTPUT BKR FAILS TO OPEN ON AUTOTRIP	YES	3.1.2(22)	EG04
NIT-617.09	FAILURE OF DG TO LOAD	YES	3.1.2(3)	EG09
NIT-617.19	H2 SEAL OIL PMP TRIP (AIR)	YES	3.1.2(22)	EG19
NIT-619.03	FEEDWATER PUMP OVERSPD TRIP	YES	3.1.2(9)	FW03
NIT-619.10	CONDENSER VACUUM PUMP TRIP	YES	3.1.2(5)	FW10
NIT-619.20	SU FDW REG VLV FAILURE	YES	3.1.2(9)	FW20
NIT-619.36	FDW PIPE BREAK OUTSIDE CNTMT	YES	3.1.2(20)	FW36
NTI-621.02	IA ISOL VLV FAILS TO CLOSE ON CIAS	YES	3.1.2(2)	IA02
NTI-621.05	IA CMPRSR DISCH LINE RUPTURE	YES	3.1.2(2)	IA05
NTI-622.05	ATMOS STM DUMP VLV FAILS	YES	3.1.2(17)	MS05
NTI-622.12	MS LINE BREAK OUTSIDE CNTMT AFTER MSIV	YES	3.1.2(20)	MS12
NTI-623.03	CNTRL CH INSTRMNT FAILURE	YES	3.1.2(21)	NI03
NTI-625.02	RX PWR CB FAILS TO DROP CEAS	YES	3.1.2(11)	PW02
NTI-626.03	RCP SHAFT SEIZURE	YES	3.1.2(4)	RC03
NTI-626.09	RCP MIDDLE SEAL FAILURE	YES	3.1.2(4)	RC09
NTI-626.15	PZR CNTRL LT FAILS HI/LO	YES	3.1.2(18)	RC15
NTI-626.19	RCS COLD LEG SFTY TT FAILS	YES	3.1.2(22)	RC19

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ATTACHMENT 7.2
SECOND YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MAF USED
NTI-626.23	RCS COLD LEG PIPE RUPTURE	YES	3.1.2(1)	RC23
NTI-627.02	DROPPED CEA	YES	3.1.2(12)	RD02
NTI-627.06	CEA GRP UNCENRDL INSERTION	YES	3.1.2(12)	RD06
NTI-627.11	CEAS MECHANICALLY STUCK	YES	3.1.2(12)	RD11
NTI-627.21	CEA UPR ELEC LIMIT FAILURE	YES	3.1.2(12)	RD21
NTI-629.03	RX TRIP WITH NO AUTO TURBINE TRIP	YES	3.1.2(19)	RP03
NTI-629.07	RPS BISTABLE RELAY FAILURE	YES	3.1.2(17)	RP07
NTI-630.04	MFV FLOW CNTRL VLV FAILURE	YES	3.1.2(9)	RX04
NTI-630.09	S/G LEVEL CNTRL FAILURE	YES	3.1.2(22)	RX09
NTI-631.04	MS LINE PRESS XMTR FAILS	YES	3.1.2(22)	SG04
NTI-632.04	AIR BINDING IN SI SYSTEM	YES	3.1.2(7)	SI04
NTI-633.01	TURBINE LOAD CNTRL DMD FAILS	YES	3.1.2(17)	TC01
NTI-634.04	TCCW HX A OUTLET HDR LEAK	YES	3.1.2(6)	TP04

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ATTACHMENT 7.3
THIRD YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-602.01	NORMAL OPERATION TEST	YES	A3.2	
NTI-603.01	45% ACCURACY TEST	YES	B2.1	
NTI-603.02	80% ACCURACY TEST	YES	B2.1	
NTI-603.03	100% ACCURACY TEST	YES	B2.1	
NTI-603.04	100% STABILITY TEST	YES	B2.1	
NTI-604.01	MANUAL REACTOR TRIP	YES	B2.2(1)	
NTI-604.02	SIM. TRIP OF ALL FDW PUMPS	YES	B2.2(2)	
NTI-604.03	SIM. CLOSURE OF ALL MSIVs	YES	B2.2(3)	
NTI-604.04	SIM. TRIP OF ALL RCPs	YES	B2.2(4)	
NTI-604.05	TRIP ANY RCP	YES	B2.2(5)	
NTI-604.06	MAIN TURBINE TRIP	YES	B2.2(6)	
NTI-604.07	MAX RATE POWER RAMP	YES	B2.2(7)	
NTI-604.08	MAX LOCA WITH LOP	YES	B2.2(8)	
NTI-604.09	MAX UNISOLABLE MS LEAK	YES	B2.2(9)	
NTI-604.10	SLOW RCS DEPRESS W/NO HPSI	YES	B2.2(10)	
NIT-610.03	CCW PUMP BEARING SEIZURE	YES	3.1.2(8)	CC03
NIT-610.08	LOSS OF COOLING WTR TO DG	YES	3.1.2(8)	CC08
NIT-610.15	LOSS OF CCW TO LPSI PMP CLRS	YES	3.1.2(8)	CC15
NIT-610.19	AUX CCW PMP DISC HDR RUPTURE	YES	3.1.2(8)	CC19
NIT-614.03	CHRG PUMP SEAL LUBE PUMP MOTOR FAILS	YES	3.1.2(18)	CV03
NIT-614.15	CVCS LTDN LEAK OUTSIDE CNTMT	YES	3.1.2(1)	CV15

PERFORMANCE TEST
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ATTACHMENT 7.3
THIRD YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MAIF USED
NIT-616.04	LOSS OF 6.9KV BUS (ES)	YES	3.1.2(3)	ED04
NIT-616.10	LOSS OF 208/120V BUS (ES)	YES	3.1.2(3)	ED10
NIT-617.05	EXCIT.BKR FAILS TO AUTOTRIP	YES	3.1.2(22)	EG05
NIT-617.10	DG OVERSPEED TRIP	YES	3.1.2(3)	EG10
NIT-617.20	STATOR COOLANT HIGH COND.	YES	3.1.2(15)	EG20
NIT-619.04	FDW PMP TURB SPD CNTRL FAIL	YES	3.1.2(9)	FW04
NIT-619.12	FDW PUMP TURBINE HIGH VIB	YES	3.1.2(9)	FW17
NIT-619.21	CONDENSER AIR IN LEAKAGE	YES	3.1.2(5)	FW21
NIT-619.37	FDW PIPE BREAK OUTSIDE CNTMT	YES	3.1.2(20)	FW37
NTI-621.03	RUPTURE AIR SUPPLY TO STEAM BYPASS VALVES	YES	3.1.2(2)	IA03
NTI-622.09	S/G STM FLOW XMTR FAILURE	YES	3.1.2(22)	MS09
NTI-622.13	MS LINE BREAK OUTSIDE CNTMT BEFORE MSIV	YES	3.1.2(20)	MS13
NTI-622.22	TURBINE 1ST STAGE PRESSURE XMTR FAILS	YES	3.1.2(22)	MS22
NTI-623.05	SU INSTRUMENT CH FAILURE	YES	3.1.2(21)	NI05
NTI-625.03	RX PWR CB FAILS TO SB/RB	YES	3.1.2(11)	PW03
NTI-626.04	RCP SHEARED SHAFT	YES	3.1.2(4)	RC04
NTI-626.11	CODE SAFETY FAILURE OPN/CLSD	YES	3.1.2(1)	RC11
NTI-626.16	RCP SPEED XMTR FAILS	YES	3.1.2(22)	RC16
NTI-626.20	RCS HOT LEG SFTY TT FAILS	YES	3.1.2(22)	RC20
NTI-626.24	RCS HOT LEG PIPE RUPTURE	YES	3.1.2(1)	RC24

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ATTACHMENT 7.3
THIRD YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALE USED
NTI-627.03	CEAS FAIL TO MOVE IN MAN GP	YES	3.1.2(13)	RD03
NTI-627.12	CEA UNCNTLD WITHDRAWAL	YES	3.1.2(12)	RD12
NTI-627.24	RX TRIP BRKR FAILS TO OPEN	YES	3.1.2(24)	RD24
NTI-629.04	ESFAS TRIP GENERATED	YES	3.1.2(23)	RP04
NTI-630.05	S/G LEVEL SETPOINT DRIFT	YES	3.1.2(22)	RX05
NTI-630.10	PZR BU HTRS FAIL	YES	3.1.2(18)	RX10
NTI-631.05	S/G LEVEL XMTR FAILURE	YES	3.1.2(22)	SG05
NTI-632.08	LPSI PUMP SUCT LINE RUPTURE	YES	3.1.2(7)	SI08
NTI-634.05	LOSS OF WTR TO HW COOLERS	YES	3.1.2(6)	TP05

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ATTACHMENT 7.4
FOURTH YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-602.01	NORMAL OPERATIONS TEST	YES	A3.2	
NTI-603.01	45% ACCURACY TEST	YES	B2.1	
NTI-603.02	80% ACCURACY TEST	YES	B2.1	
NTI-603.03	100% ACCURACY TEST	YES	B2.1	
NTI-603.04	100% STABILITY TEST	YES	B2.1	
NTI-604.01	MANUAL REACTOR TRIP	YES	B2.2(1)	
NTI-604.02	SIM. TRIP OF ALL FDW PUMPS	YES	B2.2(2)	
NTI-604.03	SIM. CLOSURE OF ALL MSIVs	YES	B2.2(3)	
NTI-604.04	SIM. TRIP OF ALL RCPs	YES	B2.2(4)	
NTI-604.05	TRIP ANY RCP	YES	B2.2(5)	
NTI-604.06	MAIN TURBINE TRIP	YES	B2.2(6)	
NTI-604.07	MAX RATE POWER RAMP	YES	B2.2(7)	
NTI-604.08	MAX LOCA WITH LOP	YES	B2.2(8)	
NTI-604.09	MAX UNISOLABLE MS LEAK	YES	B2.2(9)	
NTI-604.10	SLOW RCS DEPRESS W/NO HPSI	YES	B2.2(10)	
NIT-610.05	COOLING TOWER FAN(S) TRIP	YES	3.1.2(8)	CC05
NIT-610.09	LOSS OF CCW TO CNTMT FAN CLR	YES	3.1.2(8)	CC09
NIT-610.16	CCW UNISOLABLE LEAK IN CNTMT	YES	3.1.2(8)	CC16
NIT-610.21	CCW LINE BREAK IN AUX BLDG	YES	3.1.2(8)	CC21
NIT-614.05	LTDN BCK PRESS REG VLV FAILS	YES	3.1.2(18)	CV05
NTI-614.16	CHRG LINE BREAK INSIDE CNTMT	YES	3.1.2(1)	CV16

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ATTACHMENT 7.4
FOURTH YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NIT-616.05	LOSS OF 4.16KV BUS (ES)	YES	3.1.2(3)	ED05
NIT-617.07	MAIN GEN AUTOVOLTAGE REG FAILS TO MANUAL	YES	3.1.2(22)	EG07
NIT-617.11	DG TRIP ON DIFF PROTECTION	YES	3.1.2(3)	EG11
NIT-619.05	MTR DRVN EMERG FDW PMP TRIP	YES	3.1.2(10)	FW06
NIT-619.14	CNDSR HW LVL CNTRL VLV FAIL	YES	3.1.2(5)	FW14
NIT-619.29	EMER FDW PIPE LEAK	YES	3.1.2(9)	FW29
NIT-619.38	FDW PIPE BREAK INSIDE CNTMT	YES	3.1.2(20)	FW38
NTI-621.04	RUPTURED AIR SPLY TO RAB	YES	3.1.2(2)	IA04
NTI-622.10	MS FLOW XMTR FAILURE HI/LO	YES	3.1.2(22)	MS10
NTI-622.21	MS LINE BREAK DWNSTRM OF IFT-0300AS/BS IN CNTMT	YES	3.1.2(20)	MS21
NTI-623.07	SU CH FAILS TO DE-ENERGIZE	YES	3.1.2(21)	NI07
NTI-624.01	LOSS OF PMC PRI CMPTR CMPLX	YES	3.1.2(22)	PC01
NTI-625.06	^F RAIL CEAC CHANNEL(S) LOSS OF CP#2 CRT CH. 1,2	YES	3.1.2(11)	PW06
NTI-626.05	RCP LOSS OF LUBE OIL	YES	3.1.2(4)	RC05
NTI-626.12	CODE SAFETY RELIEF VLV LEAKS	YES	3.1.2(1)	RC12
NTI-626.17	SI SYS PRESS INTLK FAILURE	YES	3.1.2(17)	RC17
NTI-626.21	RCS HOT LEG CNTRL TT FAILS	YES	3.1.2(22)	RC21
NTI-626.25	RCS LEAK SURGE LINE BREAK	YES	3.1.2(.)	RC25
NTI-627.04	CEAS FAIL TO MOVE IN MAN ID	YES	3.1.2(13)	RD04
NTI-627.09	CEA REG GRP UNCNTRLD WITHDRW	YES	3.1.2(12)	RD09

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ATTACHMENT 7.4
FOURTH YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-627.13	CEA DRIFT	YES	3.1.2(12)	RD13
NTI-629.05	ESFAS CH FAILS TO TRIP	YES	3.1.2(23)	RP05
NTI-630.07	PZR PRESS CNTRLR FAILS OFF	YES	3.1.2(18)	RX07
NTI-630.11	PZR PROP HTRS FAIL ON/OFF	YES	3.1.2(18)	RX11
NTI-632.11	SDC HX TUBE LEAK	YES	3.1.2(7)	SI11
NTI-634.06	LOSS OF TCCW CLG TO IA/SA COMPRESSORS	YES	3.1.2(6)	TP06
NTI-635.06	TURBINE TRIP	YES	3.1.2(15)	TU06

ATTACHMENT 1

PART 2

SCHEDULE FOR CONDUCT OF PERFORMANCE TESTS

**ENTERGY****WATERFORD 3 NUCLEAR
TRAINING INSTRUCTION****NO: NTI-509****REV: 2****PAGE: 8 OF 19****Rtype: C1.67****PERFORMANCE TEST
PROCEDURE****NTI-509
ATTACHMENT 8.1
FIRST YEAR RETEST LIST**

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MAI F USED
NTI-602.01	NORMAL OPERATION TEST	YES	A3.2	
NTI-603.01	45% ACCURACY TEST	YES	B2.1	
NTI-603.02	80% ACCURACY TEST	YES	B2.1	
NTI-603.03	100% ACCURACY TEST	YES	B2.1	
NTI-603.04	100% STABILITY TEST	YES	B2.1	
NTI-604.01	MANUAL REACTOR TRIP	YES	B2.2(1)	
NTI-604.02	SIM. TRIP OF ALL FDW PUMPS	YES	B2.2(2)	
NTI-604.03	SIM. CLOSURE OF ALL MSIVs	YES	B2.2(3)	
NTI-604.04	SIM. TRIP OF ALL RCPs	YES	B2.2(4)	
NTI-604.05	TRIP ANY RCP	YES	B2.2(5)	
NTI-604.06	MAIN TURBINE TRIP	YES	B2.2(6)	
NTI-604.07	MAX RATE POWER RAMP	YES	B2.2(7)	
NTI-604.08	MAX LOCA WITH LOP	YES	B2.2(8)	
NTI-604.09	MAX UNISOLABLE MS LEAK	YES	B2.2(9)	
NTI-604.10	SLOW RCS DEPRESS W/NO HPSI	YES	B2.2(10)	
NTI-604.11	REACTOR TRIP FOLLOWED BY RECOVERY TO RATED POWER	YES	3.1.1.4	
NTI-610.01	CCW PUMP(S) TRIP	YES	3.1.2(8)	CC01
NTI-610.06	RCP SEAL CLR OTLT VLV FAILS	YES	3.1.2(8)	CC06
NTI-610.10	LOSS OF CCW TO SDC HX	YES	3.1.2(7)	CC10
NTI-610.17	RUPTURE OF CCW PMP DISC PIPE	YES	3.1.2(8)	CC17
NTI-612.01	REACTOR FUEL CLADDING FAILS	YES	3.1.2(14)	CR01
NTI-614.01	CHARGING PUMP TRIP	YES	3.1.2(18)	CV01
NTI-614.06	LTDN HX TCV FAILS SHUT	YES	3.1.2(18)	CV06

**ENTERGY****WATERFORD 3 NUCLEAR
TRAINING INSTRUCTION****PERFORMANCE TEST
PROCEDURE****NO: NTI-509
REV: 2
PAGE: 9 OF 19
Rtype: C1.67****NTI-509
ATTACHMENT 8.1
FIRST YEAR RETEST LIST**

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-615.01	CW PUMP TRIP	YES	3.1.2(5)	CW01
NTI-616.01	FDR BRKR TRIP IN SWITCHYARD	YES	3.1.2(3)	ED01
NTI-616.06	LOSS OF 480VAC BUS (ES)	YES	3.1.2(3)	ED06
NTI-617.03	MAIN GEN LOAD REJECTION	YES	3.1.2(16)	EG03
NTI-617.08	FAILURE OF DG TO AUTOSTART	YES	3.1.2(3)	EG08
NTI-617.18	H2 SEAL OIL PMP TRIP (H2)	YES	3.1.2(22)	EG18
NTI-619.01	CONDENSATE PUMP TRIP	YES	3.1.2(9)	FW01
NTI-619.08	LOSS OF AUX FDW PUMP	YES	3.1.2(9)	FW08
NTI-619.19	FDW HTR BYPASS VLV FAILURE	YES	3.1.2(9)	FW19
NTI-619.30	EMER FDW PMP SUCT HDR LEAK	YES	3.1.2(9)	FW30
NTI-621.01	SA/IA CROSSOVER VLV FAILS	YES	3.1.2(2)	IA01
NTI-622.04	STEAM BYPASS VLV LEAKAGE	YES	3.1.2(17)	MS04
NTI-622.11	MS LINE BREAK INSIDE CNTMT	YES	3.1.2(20)	MS11
NTI-623.01	SAFETY INSTRMNT CH FAILURE	YES	3.1.2(21)	NI01
NTI-625.01	CPC CHANNEL(S) FAIL	YES	3.1.2(11)	PW01
NTI-626.01	LOSS OF ALL RCPS	YES	3.1.2(4)	RC01
NTI-626.08	RCP LOWER SEAL FAILURE	YES	3.1.2(4)	RC08
NTI-626.14	PZR SPRAY VALVE FAILURE	YES	3.1.2(18)	RC14
NTI-626.18	RCS COLD LEG CNTRL TT FAILS	YES	3.1.2(22)	RC18
NTI-626.22	PZR CPC SFTY PT FAILS HI/LO	YES	3.1.2(22)	RC22
NTI-626.27	PZR INSTRMNT LINE BREAK	YES	3.1.2(1)	RC27

**ENTERGY****WATERFORD 3 NUCLEAR
TRAINING INSTRUCTION****PERFORMANCE TEST
PROCEDURE****NO: NTI-509
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Rtype: C1.67****NTI-509
ATTACHMENT 8.1
FIRST YEAR RETEST LIST**

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MAF USED
NTI-627.01	CEDM MG SET FAILURE	YES	3.1.2(12)	RD01
NTI-627.05	ROD EJECTION	YES	3.1.2(12)	RD05
NTI-627.14	FAILURE OF CNTRL/SD BANKS TO TRIP	YES	3.1.2(12)	RD14
NTI-629.02	RPS AUTO TRIP FAILURE	YES	3.1.2(24)	RP02
NTI-629.06	RPS MATRIX RELAY FAILURE	YES	3.1.2(17)	RP06
NTI-630.01	SBC QUICK OPEN SIG FAILS	YES	3.1.2(17)	RX01
NTI-630.08	PZR LEVEL CNTRLR FAILS OFF	YES	3.1.2(18)	RX08
NTI-630.14	PZR PRESS CNTRL 100X/Y FAILS	YES	3.1.2(18)	RX14
NTI-631.01	S/G TUBE LEAK	YES	3.1.2(1)	SG01
NTI-632.01	SI PUMP TRIP	YES	3.1.2(22)	SI01
NTI-634.01	TCCW PUMP TRIP	YES	3.1.2(6)	TP01

**ENTERGY****WATERFORD 3 NUCLEAR
TRAINING INSTRUCTION****PERFORMANCE TEST
PROCEDURE**NO: NTI-509
REV: 2
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ATTACHMENT 8.2
SECOND YEAR RETEST LIST**

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-602.01	NORMAL OPERATION TEST	YES	A3.2	
NTI-603.01	45% ACCURACY TEST	YES	B2.1	
NTI-603.02	80% ACCURACY TEST	YES	B2.1	
NTI-603.03	100% ACCURACY TEST	YES	B2.1	
NTI-603.04	100% STABILITY TEST	YES	B2.1	
NTI-604.01	MANUAL REACTOR TRIP	YES	B2.2(1)	
NTI-604.02	SIM. TRIP OF ALL FDW PUMPS	YES	B2.2(2)	
NTI-604.03	SIM. CLOSURE OF ALL MSIVs	YES	B2.2(3)	
NTI-604.04	SIM. TRIP OF ALL RCPs	YES	B2.2(4)	
NTI-604.05	TRIP ANY RCP	YES	B2.2(5)	
NTI-604.06	MAIN TURBINE TRIP	YES	B2.2(6)	
NTI-604.07	MAX RATE POWER RAMP	YES	B2.2(7)	
NTI-604.08	MAX LOCA WITH LOP	YES	B2.2(8)	
NTI-604.09	MAX UNISOLABLE MS LEAK	YES	B2.2(9)	
NTI-604.10	SLOW RCS DEPRESS W/NO HPSI	YES	B2.2(10)	
NTI-604.11	REACTOR TRIP FOLLOWED BY RECOVERY TO RATED POWER	YES	3.1.1.4	
NTI-610.02	ACCW PUMP TRIP	YES	3.1.2(8)	CC02
NTI-610.12	CCW SURGE TNK LVL SIG FAILS	YES	3.1.2(8)	CC12
NTI-610.18	CCW TUBE LEAK IN CNTMT FAN COOLERS	YES	3.1.2(8)	CC18
NTI-613.02	CNTMT SPRAY PUMP(S) FAIL TO AUTOSTART	YES	3.1.2(23)	CS02
NTI-614.02	CHRG PUMPS FAIL TO AUTOSTART	YES	3.1.2(18)	CV02



WATERFORD 3 NUCLEAR
TRAINING INSTRUCTION

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NTI-509
ATTACHMENT 8.2
SECOND YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-614.14	CVCS LTDN LEAK IN CNTMT	YES	3.1.2(1)	CV14
NTI-616.02	LOSS OF MAJOR STATION XFMR	YES	3.1.2(3)	ED02
NTI-616.07	LOSS OF 125VDC BUS (ES)	YES	3.1.2(3)	ED07
NTI-617.04	MAIN GEN OUTPUT BKR FAILS TO OPEN ON AUTOTRIP	YES	3.1.2(22)	EG04
NTI-617.09	FAILURE OF DG TO LOAD	YES	3.1.2(3)	EG09
NTI-617.19	H2 SEAL OIL PMP TRIP (AIR)	YES	3.1.2(22)	EG19
NTI-619.03	FEEDWATER PUMP OVERSPD TRIP	YES	3.1.2(9)	FW03
NTI-619.10	CONDENSER VACUUM PUMP TRIP	YES	3.1.2(5)	FW10
NTI-619.20	SU FDW REG VLV FAILURE	YES	3.1.2(9)	FW20
NTI-619.36	FDW PIPE BREAK OUTSIDE CNTMT	YES	3.1.2(20)	FW36
NTI-621.02	IA ISOL VLV FAILS TO CLOSE ON CIAS	YES	3.1.2(2)	IA02
NTI-621.05	IA CMPSR DISCH LINE RUPTURE	YES	3.1.2(2)	IA05
NTI-622.05	ATMOS STM DUMP VLV FAILS	YES	3.1.2(17)	MS05
NTI-622.12	MS LINE BREAK OUTSIDE CNTMT AFTER MSIV	YES	3.1.2(20)	MS12
NTI-623.03	CNTRL CH INSTRMNT FAILURE	YES	3.1.2(21)	NI03
NTI-625.02	RX PWR CB FAILS TO DROP CEAS	YES	3.1.2(11)	PW02
NTI-626.03	RCP SHAFT SEIZURE	YES	3.1.2(4)	RC03
NTI-626.09	RCP MIDDLE SEAL FAILURE	YES	3.1.2(4)	RC09
NTI-626.15	PZR CNTRL LT FAILS HI/LO	YES	3.1.2(18)	RC15
NTI-626.19	RCS COLD LEG SFTY TT FAILS	YES	3.1.2(22)	RC19

**ENTERGY****WATERFORD 3 NUCLEAR
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ATTACHMENT 8.2
SECOND YEAR RETEST LIST**

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-626.23	RCS COLD LEG PIPE RUPTURE	YES	3.1.2(1)	RC23
NTI-627.02	DROPPED CEA	YES	3.1.2(12)	RD02
NTI-627.06	CEA GRP UNCNRD INSERTION	YES	3.1.2(12)	RD06
NTI-627.11	CEAS MECHANICALLY STUCK	YES	3.1.2(12)	RD11
NTI-627.21	CEA UPR ELEC LIMIT FAILURE	YES	3.1.2(12)	RD21
NTI-629.03	RX TRIP WITH NO AUTO TURBINE TRIP	YES	3.1.2(19)	RP03
NTI-630.04	MFV FLOW CNTRL VLV FAILURE	YES	3.1.2(9)	RX04
NTI-630.09	S/G LEVEL CNTRL FAILURE	YES	3.1.2(22)	RX09
NTI-631.04	MS LINE PRESS XMTR FAILS	YES	3.1.2(22)	SG04
NTI-632.04	AIR BINDING IN SI SYSTEM	YES	3.1.2(7)	SI04
NTI-633.01	TURBINE LOAD CNTRL DMD FAILS	YES	3.1.2(17)	TC01
NTI-634.04	TCCW HX A OUTLET HDR LEAK	YES	3.1.2(6)	TP04

**ENTERGY****WATERFORD 3 NUCLEAR
TRAINING INSTRUCTION****PERFORMANCE TEST
PROCEDURE****NO: NTI-509
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Rtype: C1.67****NTI-509
ATTACHMENT 8.3
THIRD YEAR RETEST LIST**

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-602.01	NORMAL OPERATION TEST	YES	A3.2	
NTI-603.01	45% ACCURACY TEST	YES	B2.1	
NTI-603.02	80% ACCURACY TEST	YES	B2.1	
NTI-603.03	100% ACCURACY TEST	YES	B2.1	
NTI-603.04	100% STABILITY TEST	YES	B2.1	
NTI-604.01	MANUAL REACTOR TRIP	YES	B2.2(1)	
NTI-604.02	SIM. TRIP OF ALL FDW PUMPS	YES	B2.2(2)	
NTI-604.03	SIM. CLOSURE OF ALL MSIVs	YES	B2.2(3)	
NTI-604.04	SIM. TRIP OF ALL RCPs	YES	B2.2(4)	
NTI-604.05	TRIP ANY RCP	YES	B2.2(5)	
NTI-604.06	MAIN TURBINE TRIP	YES	B2.2(6)	
NTI-604.07	MAX RATE POWER RAMP	YES	B2.2(7)	
NTI-604.08	MAX LOCA WITH LOP	YES	B2.2(8)	
NTI-604.09	MAX UNISOLABLE MS LEAK	YES	B2.2(9)	
NTI-604.10	SLOW RCS DEPRESS W/NO HPSI	YES	B2.2(10)	
NTI-604.11	REACTOR TRIP FOLLOWED BY RECOVERY TO RATED POWER	YES	3.1.1.4	
NTI-610.03	CCW PUMP BEARING SEIZURE	YES	3.1.2(8)	CC03
NTI-610.08	LOSS OF COOLING WTR TO DG	YES	3.1.2(8)	CC08
NTI-610.15	LOSS OF CCW TO LPSI PMP CLRS	YES	3.1.2(8)	CC15
NTI-610.19	AUX CCW PMP DISC HDR RUPTURE	YES	3.1.2(8)	CC19
NTI-614.03	CHRG PUMP SEAL LUBE PUMP MOTOR FAILS	YES	3.1.2(18)	CV03
NTI-614.15	CVCS LTDN LEAK OUTSIDE CNTMT	YES	3.1.2(1)	CV15

**ENTERGY****WATERFORD 3 NUCLEAR
TRAINING INSTRUCTION****PERFORMANCE TEST
PROCEDURE****NO: NTI-509
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Rtype:C1.67****NTI-509
ATTACHMENT 8.3
THIRD YEAR RETEST LIST**

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-616.04	LOSS OF 6.9KV BUS (ES)	YES	3.1.2(3)	ED04
NTI-616.10	LOSS OF 208/120V BUS (ES)	YES	3.1.2(3)	ED10
NTI-617.05	EXCIT.BKR FAILS TO AUTOTRIP	YES	3.1.2(22)	EG05
NTI-617.10	DG OVERSPEED TRIP	YES	3.1.2(3)	EG10
NTI-617.20	STATOR COOLANT HIGH COND.	YES	3.1.2(15)	EG20
NTI-619.04	FDW PMP TURB SPD CNTRL FAIL	YES	3.1.2(9)	FW04
NTI-619.12	FDW PUMP TURBINE HIGH VIB	YES	3.1.2(9)	FW12
NTI-619.21	CONDENSER AIR IN LEAKAGE	YES	3.1.2(5)	FW21
NTI-619.37	FDW PIPE BREAK OUTSIDE CNTMT	YES	3.1.2(20)	FW37
NTI-621.03	RUPTURE AIR SUPPLY TO STEAM BYPASS VALVES	YES	3.1.2(2)	IA03
NTI-622.09	S/G STM FLOW XMTR FAILURE	YES	3.1.2(22)	MS09
NTI-622.13	MS LINE BREAK OUTSIDE CNTMT BEFORE MSIV	YES	3.1.2(20)	MS13
NTI-622.22	TURBINE 1ST STAGE PRESSURE XMTR FAILS	YES	3.1.2(22)	MS22
NTI-623.05	SU INSTRUMENT CH FAILURE	YES	3.1.2(21)	NI05
NTI-625.03	RX PWR CB FAILS TO SB/RB	YES	3.1.2(11)	PW03
NTI-626.04	RCP SHEARED SHAFT	YES	3.1.2(4)	RC04
NTI-626.11	CODE SAFETY FAILURE OPN/CLSD	YES	3.1.2(1)	RC11
NTI-626.16	RCP SPEED XMTR FAILS	YES	3.1.2(22)	RC16
NTI-626.20	RCS HOT LEG SFTY TT FAILS	YES	3.1.2(22)	RC20
NTI-626.24	RCS HOT LEG PIPE RUPTURE	YES	3.1.2(1)	RC24



ENTERGY

WATERFORD 3 NUCLEAR
TRAINING INSTRUCTION

PERFORMANCE TEST
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NTI-509
ATTACHMENT 8.3
THIRD YEAR RETEST LIST

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-627.03	CEAS FAIL TO MOVE IN MAN GP	YES	3.1.2(13)	RD03
NTI-627.12	CEA UNCNTRLD WITHDRAWAL	YES	3.1.2(12)	RD12
NTI-627.24	RX TRIP BRKR FAILS TO OPEN	YES	3.1.2(24)	RD24
NTI-629.04	ESFAS TRIP GENERATED	YES	3.1.2(23)	RP04
NTI-630.05	S/G LEVEL SETPOINT DRIFT	YES	3.1.2(22)	RX05
NTI-630.10	PZR BU HTRS FAIL	YES	3.1.2(18)	RX10
NTI-631.05	S/G LEVEL XMTR FAILURE	YES	3.1.2(22)	SG05
NTI-632.08	LPSI PUMP SUCT LINE RUPTURE	YES	3.1.2(7)	SI08
NTI-634.05	LOSS OF WTR TO HW COOLERS	YES	3.1.2(6)	TP05

**ENTERGY****WATERFORD 3 NUCLEAR
TRAINING INSTRUCTION****PERFORMANCE TEST
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ATTACHMENT 8.4
FOURTH YEAR RETEST LIST**

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-602.01	NORMAL OPERATIONS TEST	YES	A3.2	
NTI-603.01	45% ACCURACY TEST	YES	B2.1	
NTI-603.02	80% ACCURACY TEST	YES	B2.1	
NTI-603.03	100% ACCURACY TEST	YES	B2.1	
NTI-603.04	100% STABILITY TEST	YES	B2.1	
NTI-604.01	MANUAL REACTOR TRIP	YES	B2.2(1)	
NTI-604.02	SIM. TRIP OF ALL FDW PUMPS	YES	B2.2(2)	
NTI-604.03	SIM. CLOSURE OF ALL MSIVs	YES	B2.2(3)	
NTI-604.04	SIM. TRIP OF ALL RCPs	YES	B2.2(4)	
NTI-604.05	TRIP ANY RCP	YES	B2.2(5)	
NTI-604.06	MAIN TURBINE TRIP	YES	B2.2(6)	
NTI-604.07	MAX RATE POWER RAMP	YES	B2.2(7)	
NTI-604.08	MAX LOCA WITH LOP	YES	B2.2(8)	
NTI-604.09	MAX UNISOLABLE MS LEAK	YES	B2.2(9)	
NTI-604.10	SLOW RCS DEPRESS W/NO HPSI	YES	B2.2(10)	
NTI-604.11	REACTOR TRIP FOLLOWED BY RECOVERY TO RATED POWER	YES	3.1.1.4	
NTI-610.05	COOLING TOWER FAN(S) TRIP	YES	3.1.2(8)	CC05
NTI-610.09	LOSS OF CCW TO CNTMT FAN CLR	YES	3.1.2(8)	CC09
NTI-610.16	CCW UNISOLABLE LEAK IN CNTMT	YES	3.1.2(8)	CC16
NTI-610.21	CCW LINE BREAK IN AUX BLDG	YES	3.1.2(8)	CC21
NTI-614.05	LTDN BCK PRESS REG VLV FAILS	YES	3.1.2(18)	CV05
NTI-614.16	CHRG LINE BREAK INSIDE CNTMT	YES	3.1.2(1)	CV16

**ENTERGY****WATERFORD 3 NUCLEAR
TRAINING INSTRUCTION****PERFORMANCE TEST
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ATTACHMENT 8.4
FOURTH YEAR RETEST LIST**

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-616.05	LOSS OF 4.16KV BUS (ES)	YES	3.1.2(3)	ED05
NTI-617.07	MAIN GEN AUTOVOLTAGE REG FAILS TO MANUAL	YES	3.1.2(22)	EG07
NTI-617.11	DG TRIP ON DIFF PROTECTION	YES	3.1.2(3)	EG11
NTI-619.05	MTR DRVN EMERG FDW PMP TRIP	YES	3.1.2(10)	FW06
NTI-619.14	CNDSR HW LVL CNTRL VLV FAIL	YES	3.1.2(5)	FW14
NTI-619.29	EMER FDW PIPE LEAK	YES	3.1.2(9)	FW29
NTI-619.38	FDW PIPE BREAK INSIDE CNTMT	YES	3.1.2(20)	FW38
NTI-621.04	RUPTURED AIR SPLY TO RAB	YES	3.1.2(2)	IA04
NTI-622.10	MS FLOW XMTR FAILURE HI/LO	YES	3.1.2(22)	MS10
NTI-622.21	MS LINE BREAK DWNSTRM OF IFT-0300AS/BS IN CNTMT	YES	3.1.2(20)	MS21
NTI-623.07	SU CH FAILS TO DE-ENERGIZE	YES	3.1.2(21)	NI07
NTI-624.01	LOSS OF PMC PRI CMPTR CMLX	YES	3.1.2(22)	PC01
NTI-625.06	RAIL CEAC CHANNEL(S) LOSS OF CPO2 CRT CH. 1,2	YES	3.1.2(11)	PW06
NTI-626.05	RCP LOSS OF LUBE OIL	YES	3.1.2(4)	RC05
NTI-626.12	CODE SAFETY RELIEF VLV LEAKS	YES	3.1.2(1)	RC12
NTI-626.17	SI SYS PRESS INTLK FAILURE	YES	3.1.2(17)	RC17
NTI-626.21	RCS HOT LEG CNTRL TT FAILS	YES	3.1.2(22)	RC21
NTI-626.25	RCS LEAK SURGE LINE BREAK	YES	3.1.2(1)	RC25
NTI-627.04	CEAS FAIL TO MOVE IN MAN ID	YES	3.1.2(13)	RD04
NTI-627.09	CEA REG GRP UNCNTRLD WITHDRW	YES	3.1.2(12)	RD09

**ENTERGY****WATERFORD 3 NUCLEAR
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Rtype:C1.67****NTI-509
ATTACHMENT 8.4
FOURTH YEAR RETEST LIST**

PERFORMANCE TEST NUMBER	PERFORMANCE TEST DESCRIPTION	CERT. REQ'D	ANS-3.5 REF.	MALF USED
NTI-627.13	CEA DRIFT	YES	3.1.2(12)	RD13
NTI-629.05	ESFAS CH FAILS TO TRIP	YES	3.1.2(23)	RP05
NTI-630.07	PZR PRESS CNTRLR FAILS OFF	YES	3.1.2(18)	RX07
NTI-630.11	PZR PROP HTRS FAIL ON/OFF	YES	3.1.2(18)	RX11
NTI-632.11	SDC HX TUBE LEAK	YES	3.1.2(7)	SI11
NTI-634.06	LOSS OF TCCW CLG TO IA/SA COMPRESSORS	YES	3.1.2(6)	TP06
NTI-635.06	TURBINE TRIP	YES	3.1.2(15)	TU06

ATTACHMENT 2

CERTIFICATION TEST PLAN CHANGES

Attachment 2

Certification Test Plan Changes

Year One

NTI627.10 "CEAS MOVE OUT WHEN INWARD MOVEMENT REQUIRED IN AUTO" deleted because automatic CEA control is not used at Waterford 3

Year Two

NTI 613.01 renumbered NTI 613.02 because of typographical error.

NTI 629.07 "RPS BISTABLE RELAY FAILURE" deleted because of the lack of training value.

Year Three

NTI 626.16A renumbered NTI 626.16 due to NTI deletion.

NTI 626.16B "RCP SPEED XMTR FAILS Q - FF" deleted because these speed transmitters have no control board indications of failure.

NTI 627.08 "DROPPED CEA WITH NO ALARM" deleted because of the lack of training value.

Year Four

NTI 619.06 renumbered NTI 619.05 because of typographical error.

ATTACHMENT 3

SIMULATION FACILITY CERTIFICATION

NRC FORM 474

SIMULATION FACILITY CERTIFICATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 120 HOURS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0138), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

INSTRUCTIONS: This form is to be filed for initial certification, recertification (if required), and for any change to a simulation facility performance testing plan made after initial submittal of such a plan. Provide the following information and check the appropriate box to indicate reason for submittal.

FACILITY

Waterford 3 Steam Electric Station

DOCKET NUMBER

50- 382

LICENSEE

Entergy Operations, Inc.

DATE

3/20/95

This is to certify that:

1. The above named facility licensee is using a simulation facility consisting solely of a plant-referenced simulator that meets the requirements of 10 CFR 55.45.
 2. Documentation is available for NRC review in accordance with 10 CFR 55.45(b).
 3. This simulation facility meets the guidance contained in ANSI/ANS 3.5, 1985, as endorsed by NRC Regulatory Guide 1.14B.
- If there are any **EXCEPTIONS** to the certification of this item, **CHECK HERE []** and describe fully on additional pages as necessary.

NAME (or other identification) AND LOCATION OF SIMULATION FACILITY.

Waterford 3 Simulator
James M. Cain Energy Education Center

☒

SIMULATION FACILITY PERFORMANCE TEST ABSTRACTS ATTACHED. (For performance tests conducted in the period ending with the date of this certification.)

DESCRIPTION OF PERFORMANCE TESTING COMPLETED. (Attach additional pages as necessary and identify the item description being continued.)

See Attachment 1, Part 1

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SIMULATION FACILITY PERFORMANCE TESTING SCHEDULE ATTACHED. (For the conduct of approximately 25% of performance tests per year for the four-year period commencing with the date of this certification.)

DESCRIPTION OF PERFORMANCE TESTING TO BE CONDUCTED. (Attach additional pages as necessary and identify the item description being continued.)

See Attachment 1, Part 2

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PERFORMANCE TESTING PLAN CHANGE. (For any modification to a performance testing plan submitted on a previous certification.)

DESCRIPTION OF PERFORMANCE TESTING PLAN CHANGE. (Attach additional pages as necessary and identify the item description being continued.)

See Attachment 2

RECERTIFICATION (Describe corrective actions taken, attach results of completed performance testing in accordance with 10 CFR 55.45(b)(5)(v).
(Attach additional pages as necessary and identify the item description being continued.)

Any false statement or omission in this document, including attachments, may be subject to civil and criminal sanctions. I certify under penalty of perjury that the information in this document and attachments is true and correct.

SIGNATURE - AUTHORIZED REPRESENTATIVE

TITLE

DATE

In accordance with 10 CFR 55.5, Communications, this form shall be submitted to the NRC as follows:

BY MAIL ADDRESSED TO: DIRECTOR, OFFICE OF NUCLEAR REACTOR REGULATION
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

BY DELIVERY IN PERSON
TO THE NRC OFFICE AT:

ONE WHITE FLINT NORTH
11555 ROCKVILLE PIKE
ROCKVILLE, MD