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Docket Number 50-346

License Number NPF-3

Serial Number 1-965

October 21, 1991

Mr. Geoffrey C. Wright, Chief  
Operations Branch  
United States Nuclear Regulatory Commission  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Subject: Requalification Examination Reference Material, Recommended  
Examinees, and Examination Schedule for December 1991,  
Requalification Examination

Dear Mr. Wright:

As requested by Enclosure 1 of your letter dated July 16, 1991, (Log Number 1-2513), copies of requalification examination reference material were submitted to Mr. T. Reidinger of Region III, and Gene Benjamin of Pacific Northwest Laboratory on September 26, 1991. This reference material concerns requalification program evaluation scheduled to commence the week of December 9, 1991 for the Davis-Besse Nuclear Power Station, Unit Number 1. Attachment I is the listing of the requested materials that were submitted to the individuals above.

Attachment II provides the listing of recommended examinees for the requalification examination and personnel who will participate as part of the examination team. Toledo Edison requests that the examinees and staff crews be examined as identified in their respective grouping.

Attachment III provides the Requalification Examination schedule for the weeks of December 9 and 16, 1991.

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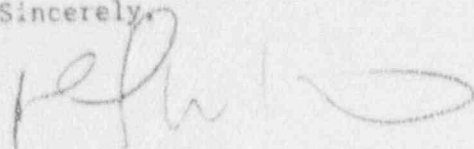
Operating Companies  
Cleveland Electric Illuminating  
Toledo Edison

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Should you have any question, please call Mr. R. W. Schrauder, Manager  
- Nuclear Licensing, at (419) 249-2366.

Sincerely,



GAB/dlm

attachments

cc: A. B. Davis, Regional Administrator, NRC Region III  
J. B. Hopkins, NRC Senior Project Manager  
W. Levis, DB-1 NRC Senior Resident Inspector  
United States Document Control Desk

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Attachment 1  
Page 1

Toledo Edison's  
Reference Material  
for  
December 1991  
Requalification Examination

DAVIS-BESSE 1991 NRC REQUALIFICATION  
EXAMINATION INDEX

A.	<u>OPEN REFERENCE WRITTEN EXAMINATION ITEMS</u>	<u>BOOK NUMBER</u>
1.	<u>EXAM BANK QUESTIONS, VOLUME 1</u>	1
	<u>EXAM BANK QUESTIONS, VOLUME 2</u>	2
2.	<u>STATIC SCENARIO BANK</u>	3
	STATIC SCENARIO 1	
	STATIC SCENARIO 2	
	STATIC SCENARIO 3	
	STATIC SCENARIO 4	
	STATIC SCENARIO 5	
	STATIC SCENARIO 6	
	STATIC SCENARIO 7	
	STATIC SCENARIO 10	
	STATIC SCENARIO 11	
	STATIC SCENARIO 13	
	STATIC SCENARIO 15	
	STATIC SCENARIO 17	
	STATIC SCENARIO 18	
	STATIC SCENARIO 20	
	STATIC SCENARIO 23	
	STATIC SCENARIO 26	
	STATIC SCENARIO 27	
	STATIC SCENARIO 28	

B. SIMULATOR SCENARIOSBOOK  
NUMBER

4

1. DYNAMIC SCENARIOS

<u>DOCUMENT</u>	<u>TITLE</u>
ORQ-EPE-S100	LOSS OF BOTH MUPS - RX TRIP-MSRH HI LOAD VALVES FAIL OPEN
ORQ-EPE-S101	ALL FW LOST/AFW REGAINED - ONE MUP OOS
ORQ-EPE-S102	RCS LEAK/LSCM/SCM RESTORED - SUFW VALVE FAILED OPEN
ORQ-EPE-S103	SGTR WITH VACUUM LOSS
ORQ-EPE-S104	MU32 FAILS CLOSED, ATWS, STUCK PZR SAFETY VALVE
ORQ-EPE-S105	STEAM LEAK IN CTMT W/ SFRCS FAILURE TO ISOLATE AFW
ORQ-EPE-S106	DROPPED ROD - MFPTS LOST
ORQ-EPE-S107	SG TUBE RUPTURE W/ ISOLABLE STEAM LEAK
ORQ-EPE-S108	RCP SHUTDOWN/LOSS OF CCW
ORQ-EPE-S109	LOP WITH STEAM LEAK IN AFW STM SUPPLY LINE
ORQ-EPE-S110	REACTOR STARTUP, SG OVERFILL
ORQ-EPE-S111	SMALL RCS BREAK W/ AN AFW LEVEL CONTROL MALF
ORQ-EPE-S112	LOSS OF ONE MUP, RX TRIP WITH POST TRIP OVERFILL
ORQ-EPE-S113	RCS LEAK/ALL AC LOST
ORQ-EPE-S114	STEAM BRK INSIDE CONT W/ AFW PUMP FAILURE AND ICS FAILURE
ORQ-EPE-S115	NNI FAILURE/LOSS OF MFW PMP/ICS MALF/MS101 FAIL OPEN
ORQ-EPE-S116	PARTIAL LOSS OF IA/RX TRIP/POST TRIP OVERCOOLING
ORQ-EPE-S117	LOSS OF A TPCW PUMP, RFR MALFUNCTION
ORQ-EPE-S120	NON-ISOLABLE STEAM LEAK BETWEEN CONTAINMENT AND MSIV
ORQ-EPE-S121	MODE 3, ISOLABLE STEAM LEAK, SMALL BREAK LOCA, RADIOACTIVE MATERIAL RELEASE



C. JOB PERFORMANCE MEASURES (JPM)

## 1. JPM BANK

<u>JPM #</u>	<u>JPM TITLE</u>	<u>PROCEDURE REFERENCE</u>	<u>LOCATION</u>
JPM-1	LINEUP AND START THE BACKUP SERVICE WATER PUMP DURING A LOSS OF ALL SERVICE WATER	DB-OP-02511	IN-PLANT
JPM-2	INITIATE LONG TERM BORON DILUTION FLOWPATH	DB-OP-02000	CTRM/SIM
JPM-3	SERIOUS CONTROL ROOM FIRE, PRIMARY SIDE REACTOR OPERATOR ACTIONS INSIDE RCA	DB-OP-02519	IN-PLANT
JPM-4	CONTROL ROOM EVACUATION, SECONDARY SIDE REACTOR OPERATOR ACTIONS	DB-OP-02508	IN-PLANT
JPM-5	CONTROL ROOM EVACUATION, ASSISTANT SHIFT SUPERVISOR ACTIONS	DB-OP-02508	IN-PLANT
JPM-6	CONTROL ROOM EVACUATION, ZONE 3 AND 4 EQUIPMENT OPERATOR ACTIONS, (LOCAL START OF MU PUMP)	DB-OP-02508	IN-PLANT
JPM-7	SERIOUS CONTROL ROOM FIRE, PRIMARY SIDE REACTOR OPERATOR ACTIONS STEP 1A - C, (OUTSIDE RCA ACTIONS)	DB-OP-02519	IN-PLANT
JPM-8	SERIOUS CONTROL ROOM FIRE, SECONDARY SIDE REACTOR OPERATOR ACTIONS	DB-OP-02519	IN-PLANT
JPM-9	SERIOUS CONTROL ROOM FIRE, SHIFT SUPERVISOR ACTIONS PER ATTACHMENT 1, STEPS 1 AND 2	DB-OP-02519	IN-PLANT
JPM-10	SERIOUS CONTROL ROOM FIRE, ASSISTANT SHIFT SUPERVISOR ACTIONS PER ATTACHMENT 1, STEPS 1 AND 2 (PROTECT THE EDG)	DB-OP-02519	IN-PLANT
JPM-11	SERIOUS CONTROL ROOM FIRE, ASSISTANT SHIFT SUPERVISOR ACTIONS PER ATTACHMENT 2 AFTER EDG 1 IS PROTECTED (APW OP'S)	DB-OP-02519	IN-PLANT
JPM-13	REPLACING THE SERVICE WATER PUMP SUPPLYING PRIMARY LOADS WITH SERVICE WATER PUMP 1-3	DB-OP-06261	IN-PLANT
JPM-14	LOSS OF SERVICE WATER LOOP 1 TO PRIMARY LOADS	DB-OP-02511	CTRM/SIM
JPM-15	LOSS OF MAKEUP PUMPS	DB-OP-02512	CTRM/SIM
JPM-16	OPERATE THE EVS DURING A FUEL HANDLING ACCIDENT IN THE THE FUEL HANDLING AREA	DB-OP-02530	IN-PLANT
JPM-17	RECOVER FROM LETDOWN ISOLATION	DB-OP-06006	CTRM/SIM

<u>JPM #</u>	<u>JPM TITLE</u>	<u>PROCEDURE REFERENCE</u>	<u>LOCATION</u>	<u>BOOK NUMBER</u>
JPM-18	CCW PUMP ROTATION (FROM CCW PUMP 2 IN STBY AND CCW PUMP 1 RUNNING TO CCW PUMP 2 RUNNING AND CCW PUMP 1 IN STBY)	DB-OP-06262	CTRM/SIM	5
JPM-19	CLASSIFY AN EVENT AND PERFORM NOTIFICATIONS (SRO)	HS-EP-01500 HS-EP-01/00 HS-EP-02011	CTRM/SIM	
JPM-20	PERFORM ACTIONS DURING LOW COMPONENT COOLING WATER SURGE TANK LEVEL	DB-OP-02523	CTRM/SIM	
JPM-21	BYPASS VARIABLE TRIPS DURING PLANT S/D AND C/D USING THE SHUTDOWN BYPASS SWITCH	DB-OP-06403	CTRM/SIM	
JPM-22	STARTUP OF CONTAINMENT AIR COOLER 3 ALIGNED AS CONTAINMENT AIR COOLER 1	DB-OP-06016	IN-PLANT	
JPM-23	LOSS OF BOTH STATION ANNUNCIATOR POWER SUPPLIES	DB-OP-06411	CTRM	
JPM-24	OPERATION OF AVV'S AFTER AN SFRCS	DB-OP-02000	IN-PLANT	
JPM-25	DROPPED ROD	DB-OP-02516 DB-OP-06402	CTRM/SIM	
JPM-26	MDFP SUPPLYING APW SYSTEM	DB-OP-02000 DB-OP-06225	IN-PLANT	
JPM-27	USE CIRC WATER TO SUPPLY SERVICE WATER PRIMARY LOADS	DB-OP-02511	IN-PLANT	
JPM-29	PIGGYBACK OPERATIONS	DB-OP-06012	CTRM/SIM	
JPM-30	HPI OPERATION	DB-OP-02000	CTRM/SIM	
JPM-31	FIRE PROTECTION IMPAIRMENT AND FIRE WATCH	DB-PP-00009	CTRM/SIM	
JPM-32	IDENTIFY AND RESOLVE STEAM BINDING IN AFPT 1	DB-OP-06233	IN-PLANT	
JPM-33	PERFORM POST ACCIDENT RECIPE.	DB-OP-02000	CTRM/SIM	
JPM-34	EXERCISING THE AFPT 2 TRIP THROTTLE VALVE (TTV)	DB-OP-06233	IN-PLANT	
JPM-35	AFPT 2 MANUAL CONTROL AT THE TRIP THROTTLE VALVE	DB-OP-06233	IN-PLANT	
JPM-36	SIMULATE BATTERY LOAD SHED	DB-OP-02521	IN-PLANT	
JPM-37	LOSS OF BOTH COMPONENT COOLING WATER PUMPS	DB-OP-02523	CTRM/SIM	
JPM-38	BALANCE HPI FLOW WITH 1 PUMP FAILED	DB-OP-02000	CTRM/SIM	

<u>JPM #</u>	<u>JPM TITLE</u>	<u>PROCEDURE REFERENCE</u>	<u>LOCATION</u>	<u>BOOK NUMBER</u>
JPM-39	REENERGIZE D2 BUS FROM C1 BUS AND START MDFFP WHILE KEEPING EDG1 WITHIN LIMITS	DB-OP-02000	CTRM/SIM	5
JPM-40	PERFORM ATTACHMENT 4 OF OTSG TUBE LEAK PROCEDURE	DB-OP-02531 SP 1104.35	IN-PLANT	
JPM-41	CONTROL ROOM EVS LOAD SHEDDING	DB-OP-02533	CTRM/SIM	
JPM-42	TRIP THE REACTOR FROM NO. 2 LOW VOLTAGE SWITCHGEAR	DB-OP-02000	IN-PLANT	
JPM-43	MANUAL OPERATION OF THE DIESEL GENERATOR FROM DG ROOM 1 RELAY AND CONTROL PANEL C3615	DB-OP-06316	IN-PLANT	
JPM-44	LOSS OF INSTRUMENT AIR ACTIONS FROM THE CONTROL ROOM	DB-OP-02528	CTRM/SIM	
JPM-45	LOSS OF INSTRUMENT AIR ACTIONS, IN-PLANT	DB-OP-02528	IN-PLANT	
JPM-46	PERFORM ACTIONS DURING LOW COMPONENT COOLING WATER SURGE TANK LEVEL	DB-OP-02523 DB-OP-02011	IN-PLANT	
JPM-47	MANUALLY TRIP AN RPS CHANNEL	DB-OP-06403	CTRM/SIM	
JPM-48	ENERGIZING THE NNI-X CABINETS	DB-OP-06407	IN-PLANT	
JPM-49	LOSS OF NNI "Y" DC POWER	DB-OP-02532	CTRM/SIM	
JPM-50	TRANSFER ESSENTIAL PANELS Y2/Y2A FROM NORMAL TO ALTERNATE POWER SUPPLIES	DB-OP-06319	IN-PLANT	
JPM-51	ENERGIZE SFRCS	DB-OP-06406	CTRM/SIM	6
JPM-52	OPERATE THE CONTROL ROOM EVS IN THE ABNORMAL MODE	DB-OP-06505	IN-PLANT	
JPM-53	REMOVE SASS INSTRUMENT STRING FOR MAINTENANCE AND RESTORE TO AUTOMATIC CONTROL	DB-OP-06407	CTRM/SIM	
JPM-54	PERFORM ACTIONS TO STABILIZE THE PLANT DURING A LOSS OF ALL AC	DB-OP-02521	CTRM/SIM	
JPM-55	PERFORM RECOVERY OF ESSENTIAL AC BUSES FOLLOWING A LOSS OF AC BUS POWER	DB-OP-02521	CTRM/SIM	
JPM-56	START DECAY HEAT REMOVAL FOR RCS COOLDOWN AND ADJUST FLOW	DB-OP-06903	CTRM/SIM	
JPM-57	BORATE FROM OUTSIDE THE CONTROL ROOM	DB-OP-06001	IN-PLANT	
JPM-58	CALCULATE A SHUTDOWN MARGIN	DB-PF-06202	CTRM/SIM	



<u>JPM #</u>	<u>JPM TITLE</u>	<u>PROCEDURE REFERENCE</u>	<u>LOCATION</u>	<u>BOOK NUMBER</u>
JPM-59	CALCULATE ESTIMATED CRITICAL BORON CONCENTRATION	DB-PF-06202	CTRM/SIM	6
JPM-60	CLEARING AN ASYMMETRY FAULT	DB-OP-02516	IN-PLANT	
JPM-61	PERFORM ACTIONS FOR A SERIOUS STATION FIRE, FIRE AREA Y	DB-OP-02501	IN-PLANT	
JPM-62	PERFORM DECAY HEAT PUMP PRE-STARTUP AND STANDBY CHECK-OFF LIST FOR DH PUMP 1	DB-OP-06012	IN-PLANT	
JPM-63	PREPARE FOR AND INITIATE MU/HPI COOLING	DB-OP-02000	CTRM/SIM	
JPM-64	START THE MDPP AND FEED STEAM GENERATORS UPON A LOSS OF ALL MPW AND APW	DB-OP-02000	CTRM/SIM	
JPM-65	OPERATE THE KAMEN MONITORS	DB-OP-06412	CTRM/SIM	
JPM-66	JUMPER RCP START INTERLOCKS DURING INADEQUATE CORE COOLING	DB-OP-02000	IN-PLANT	
JPM-67	BATCH ADD TO THE MAKEUP TANK	DB-OP-06001	CTRM/SIM	
JPM-68	PERFORM A LIVE MANUAL TRANSFER FROM THE AUX. TO STARTUP TRANSFORMER	DB-OP-06314	CTRM/SIM	
JPM-69	SWAP TO A SWING BATTERY CHARGER	SP 1107.08	IN-PLANT	
JPM-70	EMERGENCY BORATION	DB-OP-02000	CTRM/SIM	
JPM-71	OPERATE THE HYDROGEN DILUTION AND PURGE SYSTEM	DB-OP-06502	CTRM/SIM	
JPM-72	PERFORM AN OFFSITE DOSE ASSESSMENT	HS-EP-02740	CTRM/SIM	
JPM-73	ENERGIZE SPRCS	DB-OP-06406	IN-PLANT	
JPM-74	RESTORATION OF MAKEUP FOLLOWING A LOSS OF MAKEUP PUMPS	DB-OP-02512	CTRM/SIM	
JPM-75	EXERCISING THE APPT OVERSPEED TRIP MECHANISM	DB-OP-06233	IN-PLANT	
JPM-76	RESTORATION OF CONTAINMENT COOLING DURING A SERIOUS CONTROL ROOM FIRE	DB-OP-02519	IN-PLANT	
JPM-77	TRANSFER ESSENTIAL PANELS Y1/Y1A FROM NORMAL TO ALTERNATE POWER SUPPLIES	DB-OP-06319	IN-PLANT	
JPM-78	INSTRUMENT AIR DRYER SWITCHING FAILURE	DB-OP-02528	IN-PLANT	
JPM-79	RESTORE EDG 2 AFTER LOSS OF ESSENTIAL DC PANEL D2P	DB-OP-02538	IN-PLANT	

<u>JPM #</u>	<u>JPM TITLE</u>	<u>PROCEDURE REFERENCE</u>	<u>LOCATION</u>	<u>BOOK NUMBER</u>
JPM-80	PERFORM SUPPLEMENTARY ACTIONS FOR A SERIOUS CONTROL ROOM FIRE	DB-OP-02519	CTRM/SIM	6
JPM-81	SWITCHING MAKEUP PUMPS	DB-OP-06006	CTRM/SIM	
JPM-82	LOSS OF NORMAL RCS MAKEUP FLOWPATH	DB-OP-02512	CTRM/SIM	
JPM-83	SERVICE WATER NON-SEISMIC LINE RUPTURE	DB-OP-02511	CTRM/SIM	
JPM-84	4160 VOLT BUS MANUAL TRANSFERS	DE-OP-06315	CTRM/SIM	
JPM-85	PURGE CONTAINMENT IN MODE 3	DB-OP-06503	CTRM/SIM	
JPM-86	PERFORM A BATCH ADDITION TO THE MAKEUP TANK	DB-OP-06001	CTRM/SIM	
JPM-89	EMERGENCY CLOSURE OF CORE FLODD TANK 2 ISOLATION VALVE CF1A	DB-OP-06014	CTRM/SIM	
JPM-94	OVERRIDING AN SFRCS HI LEVEL TRIP	DB-OP-02000	CTRM/SIM	
JPM-95	REESTABLISH SAMPLING AND LETDOWN CAPABILITY POST LOCA	DB-OP-02000	CTRM/SIM	
JPM-96	RESTORE MAIN FEEDWATER TO THE SG'S FOLLOWING AN SFRCS ACTUATION	DB-OP-06910	CTRM/SIM	
JPM-97	MANUALLY INITIATE SFAS	DB-OP-02000 DB-OP-06405	CTRM/SIM	
JPM-98	SFRCS INITIATION RECOVERY GUIDELINE	DB-OP-06910	CTRM/SIM	
JPM-99	CONTROL ROOM EYE AND CTRM HVAC OPERATION	DB-OP-06505 DB-OP-06511	CTRM/SIM	
JPM-100	RESET SFAS LEVEL 1 ACTUATION	DB-OP-06405	CTRM/SIM	

2. JPM QUESTION BANK (SYSTEM/SUBJECT)

BOOK  
NUMBER

7

SW

DH/LPI

MU

EVS (STATION)

CCW

EAL'S

RPS

CACS

ANNUNCIATORS

CRD

AFW

CIRC WATER

HPI

ELECTRICAL

CTRM EVS

SFRCS

EDG

INSTRUMENT AIR

NNI

REACTIVITY

SPAS

SERIOUS CTRM FIRE/CTRM EVACUATION

FIRE PROCEDURES

OTSG TUBE LEAK

RCP

KAMENS

CTMT SYSTEMS

D. TECHNICAL SPECIFICATIONS

## 1. TECHNICAL SPECIFICATIONS MANUAL

8

E. APPLICABLE PLANT PROCEDURES

## 1. PROCEDURES

<u>NUMBER</u>	<u>TITLE</u>	
DB-FP-00009	FIRE PROTECTION IMPAIRMENT AND FIRE WATCH	9
DB-OP-00000	CONDUCTOR OPERATIONS	
DB-OP-00015	SAFETY TRAINING	
DB-OP-02004	REACTOR COOLING SYSTEM ALARM PANEL 4 ANNUNCIATORS	
DB-OP-02005	PRIMARY INSTRUMENTATION ALARM PANEL 5 ANNUNCIATORS	
DB-OP-02011	HEAT SINK ALARM PANEL 11 ANNUNCIATORS	
DB-OP-02012	STM/GEN SFRCS ALARM PANEL 12 ANNUNCIATOR	
DB-OP-03006	MISCELLANEOUS INSTRUMENT SHIFT CHECK	
DB-OP-03011	RADIOACTIVE LIQUID BATCH RELEASE	
DB-OP-06001 (SP 1103.04)	BORON CONCENTRATION CONTROL	
DB-OP-06006	MAKEUP AND PURIFICATION SYSTEM	
DB-OP-06012	DECAY HEAT AND LOW PRESSURE INJECTION OPERATING PROCEDURE	
DB-OP-06014	CORE FLOODING SYSTEM PROCEDURE	10
DB-OP-06016	CONTAINMENT AIR COOLING SYSTEM PROCEDURE	
DB-OP-06201	MAIN STEAM SYSTEM OPERATING PROCEDURE	
DB-OP-06231 (SP 1104.35)	VACUUM SYSTEMS OPERATING PROCEDURE	
DB-OP-06233	AUXILIARY FEEDWATER SYSTEM	
DB-OP-06225	MDFP OPERATING PROCEDURE	
DB-OP-06261	SERVICE WATER SYSTEM OPERATING PROCEDURE	
DB-OP-06262	COMPONENT COOLING WATER SYSTEM PROCEDURE	
DB-OP-06314	13.8 KV BUSES SWITCHING PROCEDURE	

<u>NUMBER</u>	<u>TITLE</u>	<u>BOOK NUMBER</u>
DB-OP-06315	4160 VOLT SWITCHING PROCEDURE	10
DB-OP-06316	DIESEL GENERATOR OPERATING PROCEDURE	
DB-OP-06319	INSTRUMENT AC SYSTEM PROCEDURE	
DB-OP-06321 (SP 1107.08)	250/125 VDC STATION DC SWITCHING PROCEDURE	
DB-OP-06402	CRD OPERATING PROCEDURE	
DB-OP-06403	REACTOR PROTECTION SYSTEM (RPS) AND NUCLEAR INSTRUMENTATION (NI) OPERATING PROCEDURE	11
DB-OP-06405	SAFETY FEATURES ACTUATION SYSTEM PROCEDURE	
DB-OP-06406	STEAM AND FEEDWATER RUPTURE CONTROL SYSTEM OPERATING PROCEDURE	
DB-OP-06407	NON NUCLEAR INSTRUMENTATION SYSTEM OPERATING PROCEDURE	
DB-OP-06411	STATION ANNUNCIATOR OPERATING PROCEDURE	
DB-OP-06412	PROCESS AND AREA RADIATION MONITOR	
DB-OP-06502	CONTAINMENT H2 DILUTION AND H2 PURGE SYSTEM	
DB-OP-06503 (SF 1104.21)	CONTAINMENT PURGE SYSTEM PROCEDURE	
DB-OP-06505	CONTROL ROOM EMERGENCY VENTILATION SYSTEM PROCEDURE	
DB-OP-06511	CONTROL ROOM HEATING, VENTILATION AND AIR CONDITIONING SYSTEM PROCEDURE	
DB-OP-06900	PLANT HEATUP	
DB-OP-06903	PLANT SHUTDOWN AND COOLDOWN	
DB-OP-06910 (PP 1102.03)	TRIP RECOVERY	
DB-PF-06202 (SP 1103.15)	REACTIVITY BALANCE CALCULATIONS	
DB-PF-03292	CORE ALTERATION PREREQUISITES AND PERIODIC CHECKS	
DB-PF-06101	FUEL/CONTROL COMPONENT SHUFFLE	
DB-PF-06301	FUEL AND CONTROL COMPONENT HANDLING	
DB-PF-06705	TANK LEVEL CALIBRATION CURVES	



	<u>NUMBER</u>	<u>TITLE</u>	<u>BOOK NUMBER</u>
	DB-SC-03115	SFAS 18 MONTH INTERCHANNEL LOGIC TEST	11
	DB-SP-03218	HPI PUMP #1 QUARTERLY PUMP AND VALVE TEST	
	HS-EP-02110	EMERGENCY NOTIFICATION	
	HS-EP-02240	OFFSITE DOSE ASSESSMENT	
2.	<u>DRAWINGS</u>		N/A

<u>NUMBER</u>	<u>TITLE</u>
E-16, SH 1	SAFETY FEATURES ACTUATION SYSTEM LOGIC DIAGRAM
E-16, SH 2	SAFETY FEATURES ACTUATION SYSTEM SIGNAL DIAGRAM
M-006D	AUXILIARY FEEDWATER SYSTEM
M-024C, SH 1 - SH 5	TURBINE CONTROL DIAGRAM
M-533-172-1	ICS UNIT LOAD DEMAND ANALOG LOGIC
M-533-173-1	ICS UNIT LOAD DEMAND DIGITAL LOGIC
M-533-179-1	ICS REACTOR CONTROL ANALOG LOGIC
OS-004, SH 1	DECAY HEAT REMOVAL/LOW PRESSURE INJECTION SYSTEM
OS-004, SH 2	DECAY HEAT REMOVAL/LOW PRESSURE INJECTION SYSTEM
OS-012A, SH 2	MAIN FEEDWATER SYSTEM
OS-056, SH 1	345KV SYSTEM
OS-057, SH 1	13.8KV SYSTEM
OS-057, SH 2	13.8KV SYSTEM

F. EMERGENCY PLAN

1.	<u>ABNORMAL PROCEDURES</u>	
	AB 01	12
	AB 02	13
	AB 03	14
2.	<u>DB-OP-02000 (RPS, SFAS, SFRCS TRIP OR SG TUBE RUPTURE)</u>	15
3.	<u>EMERGENCY ACTION LEVELS/CLASSIFICATIONS (EPIA)</u>	16

G. APPLICABLE ADMIN PROCEDURES

SEE APPLICABLE PLANT PROCEDURES (E.)

BOOK  
NUMBER

N/A

H. TEST/OUTLINE SAMPLE PLAN

1. EXAM SAMPLE PLAN
2. PROPOSED RO WRITTEN EXAM
3. PROPOSED SRO WRITTEN EXAM
4. SELECTED DYNAMIC SCENARIOS FOR EXAM

17

18

19

20

DOCUMENT

TITLE

ORQ-EPE-S101	ALL FW LOST/AFW REGAINED - ONE MUP OOS
ORQ-EPE-S103	SGTR WITH VACUUM LOSS
ORQ-EPE-S104	MU32 FAILS CLOSED, ATWS, STUCK PZR SAFETY VALVE
ORQ-EPE-S106	DROPPED ROD - MFPTS LOST
ORQ-EPE-S107	SG TUBE RUPTURE W/ ISOLABLE STEAM LEAK
ORQ-EPE-S110	REACTOR STARTUP, SG OVERFILL
ORQ-EPE-S113	RCS LEAK/ALL AC LOST

5. SELECTED JPMS FOR EXAM

21

<u>JPM #</u>	<u>JPM TITLE</u>	<u>PROCEDURE REFERENCE</u>	<u>LOCATION</u>
JPM-25	DROPPED ROD	DB-OP-02516 DB-OP-06402	CTRM/SIM
JPM-47	MANUALLY TRIP AN RPS CHANNEL	DB-OP-06403	CTRM/SIM
JPM-18	CCW PUMP ROTATION (FROM CCW PUMP 2 IN STBY AND CCW PUMP 1 RUNNING TO CCW PUMP 2 RUNNING AND CCW PUMP 1 IN STBY)	DB-OP-06262	CTRM/SIM
JPM-22	STARTUP OF CONTAINMENT AIR COOLER 3 ALIGNED AS CONTAINMENT AIR COOLER 1	DB-OP-06016	IN-PLANT
JPM-70	EMERGENCY BORATION	DB-OP-02000	CTRM/SIM
JPM-15	LOSS OF MAKEUP PUMPS	DB-OP-02512	CTRM/SIM
JPM-82	LOSS OF NORMAL RCS MAKEUP FLOWPATH	DB-OP-02512	CTRM/SIM
JPM-86	PERFORM A BATCH ADDITION TO THE MAKEUP TANK	DB-OP-06001	CTRM/SIM

<u>JPM #</u>	<u>JPM TITLE</u>	<u>PROCEDURE REFERENCE</u>	<u>LOCATION</u>	<u>BOOK NUMBER</u>
JPM-81	SWITCHING MAKEUP PUMPS	DB-OP-06006	CTRM/SIM	21
JPM-17	RECOVER FROM LETDOWN ISOLATION	DB-OP-06006	CTRM/SIM	
JPM-53	REMOVE SASS INSTRUMENT STRING FOR MAINTENANCE AND RESTORE TO AUTOMATIC CONTROL	DB-OP-06407	CTRM/SIM	
JPM-21	BYPASS VARIABLE TRIPS DURING PLANT S/D AND C/D USING THE SHUTDOWN BYPASS SWITCH	DB-OP-06403	CTRM/SIM	
JPM-63	PREPARE FOR AND INITIATE MU/HPI COOLING	DB-OP-02000	CTRM/SIM	
JPM-83	SERVICE WATER NON-SEISMIC LINE RUPTURE	DB-OP-02511	CTRM/SIM	
JPM-71	OPERATE THE HYDROGEN DILUTION AND PURGE SYSTEM	DB-OP-06502	CTRM/SIM	
JPM-2	INITIATE LONG TERM BORON DILUTION FLOWPATH	DB-OP-02000	CTRM/SIM	
JPM-33	PERFORM POST ACCIDENT RECIRC.	DB-OP-02000	CTRM/SIM	
JPM-97	MANUALLY INITIATE SFAS	DB-OP-02000 DB-OP-06405	CTRM/SIM	
JPM-16	OPERATE THE EVS DURING A FUEL HANDLING ACCIDENT IN THE THE FUEL HANDLING AREA	DB-OP-02530	IN-PLANT	
JPM-52	OPERATE THE CONTROL ROOM EVS IN THE ABNORMAL MODE	DB-OP-06505	IN-PLANT	
JPM-24	OPERATION OF AVV'S AFTER AN SFRCS	DB-OP-02000	IN-PLANT	
JPM-66	JUMPER RCP START INTERLOCKS DURING INADEQUATE CORE COOLING	DB-OP-02000	IN-PLANT	
JPM-36	SIMULATE BATTERY LOAD SHED	DB-OP-02521	IN-PLANT	
JPM-4	CONTROL ROOM EVACUATION, SECONDARY SIDE REACTOR OPERATOR ACTIONS	DB-OP-02508	IN-PLANT	
JPM-7	SERIOUS CONTROL ROOM FIRE, PRIMARY SIDE REACTOR OPERATOR ACTIONS STEP 1A - C, (OUTSIDE RCA ACTIONS)	DB-OP-02519	IN-PLANT	
JPM-42	TRIP THE REACTOR FROM NO. 2 LOW VOLTAGE SWITCHGEAR	DB-OP-02000	IN-PLANT	
JPM-46	PERFORM ACTIONS DURING LOW COMPONENT COOLING WATER SURGE TANK LEVEL	DB-OP-02523 DB-OP-02011	IN-PLANT	
JPM-32	IDENTIFY AND RESOLVE STEAM BINDING IN AFPT #2	DB-OP-06233	IN-PLANT	

<u>JPM #</u>	<u>JPM TITLE</u>	<u>PROCEDURE REFERENCE</u>	<u>LOCATION</u>	<u>BOOK NUMBER</u>
JPM-34	EXERCISING THE AFPT 2 TRIP THROTTLE VALVE (TTV)	DB-OP-06233	IN-PLANT	21
JPM-48	ENERGIZING THE NNI-X CABINETS	DB-OP-06407	IN-PLANT	

1. REQUAL CYCLE TRAINING REFERENCE MATERIAL

1. LESSON PLAN OBJECTIVES

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<u>LESSON PLAN #</u>	<u>TITLE</u>
EPT-EAL-102	EMERGENCY ACTION LEVELS
OLC-GOP-123	CRD MALFUNCTIONS
OLC-GOP-125	HIGH CONDENSER PRESSURE
OLC-GOP-306	EMERGENCY PROCEDURE, EXCESSIVE HEAT TRANSFER
OPS-FHT-101	FUEL HANDLING EQUIPMENT
OPS-FHT-103	FUEL HANDLING PROCEDURES
OPS-FHT-301	FUEL HANDLING INDUSTRY EXPERIENCE
ORQ-ADM-003	CONDUCT OF OPERATIONS
ORQ-ADM-004	CONTROL OF MAINTENANCE
ORQ-ADM-005	SAFETY TAGGING
ORQ-ADM-133	TECHNICAL SPECIFICATION, SECTION 3.3
ORQ-ADM-138	TECHNICAL SPECIFICATION, SECTION 3.8
ORQ-ADM-139	TECHNICAL SPECIFICATION, SECTION 3.9
ORQ-CIS-103	CONTAINMENT SPRAY
ORQ-ELE-101	345 KV DISTRIBUTION
ORQ-ELE-102	13.8 KV DISTRIBUTION
ORQ-ELE-103	4160 V ELECTRICAL
ORQ-ELE-104	EMERGENCY DIESEL GENERATOR
ORQ-ELE-201	LOSS OF OFFSITE POWER
ORQ-ELE-204	LOSS OF DC BUSES
ORQ-FCR-104	PROCEDURES/FCR CHANGES

<u>LESSON PLAN #</u>	<u>TITLE</u>	<u>BOOK NUMBER</u>
ORQ-INC-104	SFAS	22
ORQ-INC-105	ICS	
ORQ-INC-111	NNI	
ORQ-OPE-116	ANO UNIT 1 LOP AND OVERCOOLING EVENT	
ORQ-RCS-101	REACTOR COOLANT SYSTEM	
ORQ-RCS-103	PRESSURIZER	
ORQ-RCS-106	HIGH PRESSURE INJECTION	
ORQ-RCS-202	PRESSURIZER SYSTEM FAILURES	
ORQ-RCS-204	LARGE BREAK LOSS OF COOLANT ACCIDENTS	
ORQ-PCS-206	LOSS OF DECAY HEAT REMOVAL	
ORQ-RTR-107	ECB/ECP	
ORQ-SOC-010	MAIN STEAM SYSTEM	
ORQ-SOC-022	VACUUM SYSTEM	
ORQ-SOC-026	FIRE DETECTION AND PROTECTION	
ORQ-SOC-027	MISCELLANEOUS LIQUID RADWASTE	
ORQ-SSS-001	STEAM GENERATOR TUBE LEAKS/RUPTURES	
ORQ-SSS-101	MAIN FEEDWATER	
ORQ-SSS-103	AUXILIARY FEEDWATER	
ORQ-SSS-107	ELECTRO-HYDRAULIC CONTROL	
ORQ-SSS-202	LOSS OF FEEDWATER	

J. APPROPRIATE SECTIONS OF JTA

N/A

SEE TEST OUTLINE/SAMPLE PLAN (H.)



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RECOMMENDED EXAMINEES FOR  
DAVIS-BESSE REQUALIFICATION EXAMINATION

Crew A

Steven K. Martin	SOP-30856
Michael J. Roder	SOP-31013
Donald F. Fox	OP-30579
Mark L. Klein	OP-30697
Shift Manager	N/A
Administrative Assistant	N/A
Back Panel Operator	N/A

Crew B

Larry D. Myers	SOP-30857
Jimmy L. McGee	SOP-31011
Robert H. Bechtel	OP-5174-4
Mitchell L. Greene	OP-30813
Shift Manager	N/A
Administrative Assistant	N/A
Back Panel Operator	N/A

Crew C

Anthony R. Stallard	SOP-30541-1
Vincent J. Sodd, Jr.	SOP-30859
Gary J. Melssen	SOP-30896
Martin J. Migot	OP-30630
Shift Manager	N/A
Administrative Assistant	N/A
Back Panel Operator	N/A

Crew D

Steven M. Livingston	SOP-30783
Brian D. Young	SOP-30786
Donald E. Missig	SOP-30971
James J. Weaver	OP-30584
Shift Manager	N/A
Administrative Assistant	N/A
Back Panel Operator	N/A

Crew E

Douglas P. Ricci	SOP-3337-5
Robert E. Mizik	SOP-30041-3
Scott E. Wise	SOP-30045-3
Rodney S. Lawrence	OP-30580
Shift Manager	N/A
Administrative Assistant	N/A
Back Panel Operator	N/A

Alternate

Steven W. Roberts	SOP-30785
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DAVIS-BESSE EXAMINATION TEAM MEMBERS

Mark B. Bezilla	Operations Representative
Richard A. Simpkins	Davis-Besse Exam Team Leader
James M. Bonfiglio	Exam Team Member
John C. House	Exam Team Member
David J. Lange	Exam Team Member
Randy L. Patrick	Exam Team Member

DAVIS-BESSE  
REQUALIFICATION EXAMINATION  
SCHEDULE

Tuesday 12/10/91

Simulator Examinations

- Crew A - 2 scenarios (2 SRO; 2 RO)
- Crew C - 1 scenario (3 SRO; 1 RO)
- Crew D - 1 scenario (3 SRO; 1 RO)

Wednesday 12/11/91

Simulator Examinations

- Crew C - 2 scenarios (3 SRO; 1 RO)
- Crew D - 2 scenarios (3 SRO; 1 RO)

Thursday 12/12/91

JPMs

- Crew A - in-plant and simulator (2 SRO; 2 RO)
- Crew C - simulator (3 SRO; 1 RO)
- Crew D - simulator (3 SRO; 1 RO)

Friday 12/13/91

JPMs

- Crew C - in-plant (3 SRO; 1 RO)
- Crew D - in-plant (3 SRO; 1 RO)

Monday 12/16/91

Travel day

Tuesday 12/17/91

Written Exam - all

Wednesday 12/18/91

Simulator Examinations

- Crew B - 2 scenarios (2 SRO; 2 RO)
- Crew E - 2 scenarios (3 SRO; 1 RO)

Thursday 12/19/91

Simulator Examinations

- Crew E - 1 scenario (3 SRO; 1 RO)

JPMs

- Crew B - in-plant and simulator (2 SRO; 2 RO)
- Crew E - in-plant and simulator (3 SRO; 1 RO)

Friday 12/20/91

Exit