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50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. 05000287
AUTH.NAME AUTHOR AFFILIATION
PARKER,W.O. Duke Power Co.
RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director
STOLZ,J.F. Operating Reactors Branch 4

SUBJECT: Forwards response to 820219 info request re environ qualification of TMI action items & response to IE Bulletin 79-01B, "Environ Qualification of Class IE Equipment."

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WILLIAM O. PARKER, JR.
VICE PRESIDENT
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TELEPHONE: AREA 704
373-4083

June 1, 1982

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. J. F. Stolz, Chief
Operating Reactors Branch No. 4

Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

Dear Sir:

By letter dated February 19, 1982, the NRC Staff requested information related to environmental qualification of TMI-Action Plan items. In response to this request, the attached information is provided. Also provided, in Attachment G, is IE Bulletin 79-01B, Documentation Reference 36, "TMI Modifications - Device Operating Times" which Duke committed to provide earlier.

Very truly yours,

William O. Parker, Jr.

RLG/php
Attachment

cc: Mr. C. J. Crane
Franklin Research Center
The Parkway at Twentieth Street
Philadelphia, Pennsylvania 19103

Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Mr. W. T. Orders
NRC Resident Inspector
Oconee Nuclear Station

A001

Duke Power Company
Oconee Nuclear Station

Response to NRC Request for Information
Environmental Qualification of Installed TMI Action Plan Items

Part B Request	Attachment
B.1.a, b - Equipment installed before or after 1/1/81	A
B.1.c - Correlation of Equipment Items with Specific Sections of NUREG-0737	B
B.1.d - Installed TMI Action Plan Equipment SCEW Sheets	C
B.1.e - Scheduled Completion Dates of TMI Action Plan Items	D
B.2 - Qualification Documents	E & F
B.3 - Owner's Group Positions	None

ATTACHMENT A

OCONEE NUCLEAR STATION
IE BULLETIN 79-01B
NRC/FRC REQUEST FOR INFORMATION

B.1.a TMI Action Plan Equipment Installed as of January 1, 1981.

1. Valve Position Indication (II.D.3).

2. Emergency Power Supply for Pressurizer Heaters (II.E.3.1).

3. Power Supplies for Pressurizer Relief Valves, Block Valves, and Level Indicators (II.G.1).

B.1.b TMI Action Plan Equipment Installed After January 1, 1981.

1. Post-Accident Sampling (II.B.3).

2. Auxiliary Feedwater System Initiation and Flow Indication (II.E.1.2).

3. Dedicated Hydrogen Penetrations (II.E.4.1).

4. Anticipatory Reactor Trip (II.K.2.10).

5. Containment Isolation Dependability (II.E.4.2).

6. Instrumentation for Detection of Inadequate Core Cooling (II.F.2).

OCONEE NUCLEAR STATION
IE BULLETIN 79-01B
NRC/FRC REQUEST FOR INFORMATION

B.1.c Correlation of Equipment Items with Specific Sections of NUREG-0737.

0737 Section/Description	79-01B Item No. Unit 1	Unit 2	Unit 3	Comments
II.E.1.2 Auto Initiation of Aux. FDW	N O T	L I S	T E D	Equipment additions located in a mild environment.
Aux. FDW Flow Indication	N O T	L I S	T E D	Equipment additions located in a mild environment.
II.E.4.2 Containment Isolation Dependability	N O T	L I S	T E D	Equipment additions located in a mild environment.
II.E.3.1 Emergency Power for Pressurizer Heaters	N O T	L I S	T E D	No equipment additions for this item.
II.G.1 Power Supplies for Pressurizer Relief Valves, Block Valves and Level Indicators	N O T	L I S	T E D	No equipment additions for this item.
II.F.2 Instrumentation for Detection of Inadequate core cooling	N O T	L I S	T E D	Equipment additions located in a mild environment.
II.D.3 Valve Position Indication	N O T	L I S	T E D	System is not safety-related.
II.K.2.10 Anticipitory Reactor Trip	N O T	L I S	T E D	Equipment additions located in a mild environment.

	79-01B ITEM NO.			
0737 Section/Description	Unit 1	Unit 1	Unit 1	Comments
II.B.3 Post-Accident Sampling				
Valves	1SLND0039 1SLND0040 1SLND0041 1SLND0042	2SLND0039 2SLND0040 2SLND0041 2SLND0042	3SLND0039 3SLND0040 3SLND0041 3SLND0042	See Attachment "C" for updated SCEW sheets.
Cables	1CBLE0513 1CBLE0514 1CBLE0515 1CBLE0516 1CBLE0517 1CBLE0518	2CBLE0503 2CBLE0504 2CBLE0505 2CBLE0506 2CBLE0507 2CBLE0508	3CBLE0499 3CBLE0500 3CBLE0501 3CBLE0502 3CBLE0503 3CBLE0504	
Penetrations	1PENT0047 1PENT0048	2PENT0052 2PENT0055	3PENT0050 3PENT0051	

ATTACHMENT C

OCONEE NUCLEAR STATION
IE BULLETIN 79-01B
NRC/FRC REQUEST FOR INFORMATION

B.1.d Installed TMI Action Plan Equipment SCEW Sheets

Unit 1

LIST NO = 18A, PAGE 323
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1CBLE0513 SYSTEM RBSM PLANT ID NO. 1EMC1733 COMPONENT: CABLE MANUFACTURER: OKONITE SERIAL NUMBER: N/A FUNCTION: CABLE FOR VALVE ACCURACY: SPEC: N/A DEMON: N/A SERVICE: TYPE 8XJ12G1 CABLE FOR VALVE 1RC-162 LOCATION: BLDG: AUXILIARY ELEV: AREA: PENT. RM.	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
	PRESSURE PSIA			N/A	N/A	N/A	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.1E6	2.0E8	23	35	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI-MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 324
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1CBLE0514 SYSTEM RBSM PLANT ID NO. 1EMC1733A COMPONENT: CABLE MANUFACTURER: OKONITE SERIAL NUMBER: N/A FUNCTION: CABLE FOR VALVE ACCURACY: SPEC: N/A DEMON: N/A SERVICE: TYPE 8XJ12G1 CABLE FOR VALVE 1RC-162 LOCATION: BLDG: REACTOR ELEV: AREA:	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	35	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	35	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	BOR.ACID SOLN.	BOR.ACID	5	35	SIMULTANEOUS	NONE
	RADIATION	9.1E7	2.0E8	23	35	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: NO	SUBMERGENCE	YES	N/A	NOTE 1	NOTE 1	NOTE 1	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

1. REFER TO DPC LETTER OF 10/31/75 TO RUSCHE, Q2 RESPONSE. 0%.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 325
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1CBLE0515 SYSTEM RBSM PLANT ID NO. 1EMC1734	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG.ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
MANUFACTURER: OKONITE	PRESSURE PSIA			N/A	N/A	N/A	NONE
SERIAL NUMBER: N/A							
FUNCTION: CABLE FOR VALVE	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
SERVICE: TYPE 8XJ1291 CABLE FOR VALVE 1RC-163	RADIATION	3.1E6	2.0E8	23	35	SEQUENTIAL	NONE
LOCATION: BLDG: AUXILIARY ELEV: AREA: PENT. RM.	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 326
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1CBLE0516 SYSTEM RBSM PLANT ID NO. 1EMC1734A	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	35	SIMULTANEOUS	NONE
MANUFACTURER: OKONITE	PRESSURE PSIA			2	35	SIMULTANEOUS	NONE
SERIAL NUMBER: N/A							
FUNCTION: CABLE FOR VALVE	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON: N/A	CHEMICAL SPRAY	BOR.ACID SOLN.	BOR.ACID	5	35	SIMULTANEOUS	NONE
SERVICE: TYPE 8XJ12G1 CABLE FOR VALVE 1RC-163	RADIATION	9.1E7	2.0E8	23	35	SEQUENTIAL	NONE
LOCATION: BLDG: REACTOR ELEV: AREA:	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: NO	SUBMERGENCE	YES	N/A	NOTE 1	NOTE 1	NOTE 1	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

1. REFER TO DPC LETTER OF 10/31/75 TO RUSCHE, Q2 RESPONSE. 0%.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 327
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1CBLE0517 SYSTEM RBSM PLANT ID NO. 1MC1737	OPERATING TIME	1 YEAR	1 YEAR	36	9	ENG.ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
MANUFACTURER: OKONITE SERIAL NUMBER: N/A	PRESSURE PSIA			N/A	N/A	N/A	NONE
FUNCTION: CABLE FOR VALVE	RELATIVE HUMIDITY %	100	100	NOTE 10	9	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
SERVICE: TYPE 3XJ12G1 CABLE FOR VALVE 1RC-164	RADIATION	3.9E6	2.0E8	23	9	SEQUENTIAL	NONE
LOCATION: BLDG: AUXILIARY ELEV: 758.0 AREA: T71	AGING	40 YRS	40 YRS	NOTE 8	9	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

9. OKONITE ENGINEERING REPORTS 141 AND N-1
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 328
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1CBLE0518 SYSTEM RBSM PLANT ID NO. 1MC1738	OPERATING TIME	1 YEAR	1 YEAR	36	9	ENG. ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
MANUFACTURER: OKONITE	PRESSURE PSIA			N/A	N/A	N/A	NONE
SERIAL NUMBER: N/A							
FUNCTION: CABLE FOR VALVE	RELATIVE HUMIDITY %	100	100	NOTE 10	9	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
SERVICE: TYPE 3XJ12G1 CABLE FOR VALVE 1RC-165	RADIATION	3.9E6	2.0E8	23	9	SEQUENTIAL	NONE
LOCATION: BLDG: AUXILIARY ELEV: 758.0 AREA: T71	AGING	40 YRS	40 YRS	NOTE 8	9	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

9. OKONITE ENGINEERING REPORTS 141 AND N-1
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 360
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1PENT0047 SYSTEM RBSM PLANT ID NO. WC1 COMPONENT: ELECTRICAL PENETRATION MANUFACTURER: VIKING SERIAL NUMBER: N/A FUNCTION: POWER FOR RB EQUIPMENT ACCURACY: SPEC: N/A DEMON: N/A SERVICE: ELECTRICAL PENETRATION ASSEMBLY LOCATION: BLDG: REACTOR ELEV: 825.0 AREA: QA68	OPERATING TIME	1 YEAR	1 YEAR	36	18	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	18	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	18	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	18	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	BORIC AC SOLUTION	N/A	N/A	NOTE 3	N/A	NONE
	RADIATION	6.103E7	1E8	23	18	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	18	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
18. TEST REPORT QTP 118,119,120,124, VTR 363, QAI 003 -70 AI LTRS 7/23/70 AND 5/28/71.
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.

NOTES:

3. PROTECTED FROM SPRAY.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 361
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1PENT0048 SYSTEM RBSM PLANT ID NO. WD12	OPERATING TIME	1 YEAR	1 YEAR	36	18	ENG. ANALYSIS	NONE
COMPONENT: ELECTRICAL PENETRATION	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	18	SIMULTANEOUS	NONE
MANUFACTURER: VIKING SERIAL NUMBER: N/A	PRESSURE PSIA			2	18	SIMULTANEOUS	NONE
FUNCTION: POWER FOR RB EQUIPMENT ACCURACY: SPEC: N/A DEMON: N/A	RELATIVE HUMIDITY %	100	100	NOTE 10	18	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	BORIC AC SOLUTION	N/A	N/A	NOTE 3	N/A	NONE
SERVICE: ELECTRICAL PENETRATION ASSEMBLY	RADIATION	6.103E7	1E8	23	18	SEQUENTIAL	NONE
LOCATION: BLDG: REACTOR ELEV: AREA:	AGING	40 YRS	40 YRS	NOTE 8	18	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
18. TEST REPORT QTP 118,119,120,124, VTR 363, QAI 003 -70 AI LTRS 7/23/70 AND 5/28/71.
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.

NOTES:

3. PROTECTED FROM SPRAY.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 376
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1SLND0039 SYSTEM RBSM PLANT ID NO. 1RC-182 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: REACTOR ELEV: 777.5 AREA:	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	47	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	BOR. ACID SOLN.	BOR. ACID	5	47	SIMULTANEOUS	NONE
	RADIATION	9.1E7	1.23×10^8	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: NO	SUBMERGENCE	YES	N33	NOTE 1	N33	N33	N33

* DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO. 2375

NOTES:

1. REFER TO DPC LETTER OF 10/31/75 TO RUSCHE, Q2 RESPONSE.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.
33. VALVES ARE PRESENTLY SPLASH PROOF AND ARE BEING UPGRADED TO WATER TIGHT

LIST NO = 18A, PAGE 376
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1SLND0040 SYSTEM RBSM PLANT ID NO. 1RC-163 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: REACTOR ELEV: 777.5 AREA:	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	47	SIMUTANEOUS	NONE
	CHEMICAL SPRAY	BOR ACID SOLN.	BOR. ACID	5	47	SIMULTANEOUS	NONE
	RADIATION	9.1E7	1.23×10^8	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: NO	SUBMERGENCE	YES	N33	NOTE 1	N33	N33	N33

* DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO. 2375

NOTES:

1. REFER TO DPC LETTER OF 10/31/75 TO RUSCHE, Q2 RESPONSE.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.
33. VALVES ARE PRESENTLY SPLASH PROOF AND ARE BEING UPGRADED TO WATER TIGHT

LIST NO = 18A, PAGE 376
FACILITY: OCONEE NUCLEAR STATION
UNIT: 1
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1SLND0041 SYSTEM RBSM PLANT ID NO. 1RC-164 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: AUX. ELEV: 758.0 AREA: 771	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	N/A	N/A	N/A	N/A	N/A	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.4E6	1.23×10^8	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO. 2375

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

IST NO = 18A, PAGE 376
ACILITY: OCONEE NUCLEAR STATION
NIT: 1
OCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 1SLND0042 SYSTEM RBSM PLANT ID NO. 1RC-165 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: AUX. ELEV: 758.0 AREA: 771	OPERATING TIME	1 YEAR	1 YEAR	38	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	N/A	N/A	N/A	N/A	N/A	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.4E6	1.23×10^8	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
38. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO. 2375

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 884
FACILITY: OCONEE NUCLEAR STATION
UNIT: 2
DOCKET: 50-270

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2CBLE0503 SYSTEM RBSM PLANT ID NO. 2EMC1732	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
MANUFACTURER: OKONITE	PRESSURE PSIA			N/A	N/A	N/A	NONE
SERIAL NUMBER: N/A							
FUNCTION: CABLE FOR VALVE	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
SERVICE: TYPE 8XJ12G1 CABLE FOR VALVE 2RC-162	RADIATION	3.1E6	2.0E8	23	35	SEQUENTIAL	NONE
LOCATION: BLDG: AUXILIARY ELEV: AREA: PENT. RM.	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2CBLE0504 SYSTEM RBSM PLANT ID NO. 2EMC1732A COMPONENT: CABLE MANUFACTURER: OKONITE SERIAL NUMBER: N/A FUNCTION: CABLE FOR VALVE ACCURACY: SPEC: N/A DEMON: N/A SERVICE: TYPE 8XJ12G1 CABLE FOR VALVE 2RC-162 LOCATION: BLDG: REACTOR ELEV: AREA:	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	35	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	35	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	BOR.ACID SOLN.	BOR.ACID	5	35	SIMULTANEOUS	NONE
	RADIATION	9.1E7	2.0E8	23	35	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: NO	SUBMERGENCE	YES	N/A	NOTE 1	NOTE 1	NOTE 1	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

1. REFER TO DPC LETTER OF 10/31/75 TO RUSCHE, Q2 RESPONSE. 0%.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 886
FACILITY: OCONEE NUCLEAR STATION
UNIT: 2
DOCKET: 50-270

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2CBLE0505 SYSTEM RBSM PLANT ID NO. 2EMC1733 COMPONENT: CABLE MANUFACTURER: OKONITE SERIAL NUMBER: N/A FUNCTION: CABLE FOR VALVE ACCURACY: SPEC: N/A DEMON: N/A SERVICE: TYPE 8XJ12G1 CABLE FOR VALVE 2RC-163 LOCATION: BLDG: AUXILIARY ELEV: AREA: PENT RM.	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
	PRESSURE PSIA			N/A	N/A	N/A	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.1E6	2.0E8	23	35	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

SYSTEM COMPONENT EVALUATION WORK SHEET

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2CBLE0506 SYSTEM RBSM PLANT ID NO. 2EMC1733A	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	35	SIMULTANEOUS	NONE
MANUFACTURER: OKONITE	PRESSURE PSIA			2	35	SIMULTANEOUS	NONE
SERIAL NUMBER: N/A							
FUNCTION: CABLE FOR VALVE	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON: N/A	CHEMICAL SPRAY	BOR.ACID SOLN.	BOR.ACID	5	35	SIMULTANEOUS	NONE
SERVICE: TYPE 8XJ1231 CABLE FOR VALVE 2RC-163	RADIATION	9.1E7	2.0E8	23	35	SEQUENTIAL	NONE
LOCATION: BLDG: REACTOR ELEV: AREA:	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: NO	SUBMERGENCE	YES	N/A	NOTE 1	NOTE 1	NOTE 1	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

1. REFER TO DPC LETTER OF 10/31/75 TO RUSCHE, Q2 RESPONSE. 0%.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 888
FACILITY: OCONEE NUCLEAR STATION
UNIT: 2
DOCKET: 50-270

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2CBLE0507 SYSTEM RBSM PLANT ID NO. 2EMC1724 COMPONENT: CABLE MANUFACTURER: OKONITE SERIAL NUMBER: N/A FUNCTION: CABLE FOR VALVE ACCURACY: SPEC: N/A DEMON: N/A SERVICE: TYPE 3XJ12G1 CABLE FOR VALVE 2RC-164 LOCATION: BLDG: AUXILIARY ELEV: 758.0 AREA: T75	OPERATING TIME	1 YEAR	1 YEAR	36	9	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
	PRESSURE PSIA			N/A	N/A	N/A	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	9	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.9E6	2.0E8	23	9	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	9	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

9. OKONITE ENGINEERING REPORTS 141 AND N-1
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 889
FACILITY: OCONEE NUCLEAR STATION
UNIT: 2
DOCKET: 50-270

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2CBLE0508 SYSTEM RBSM PLANT ID NO. 2EMC1725	OPERATING TIME	1 YEAR	1 YEAR	36	9	ENG. ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
MANUFACTURER: OKONITE	PRESSURE PSIA			N/A	N/A	N/A	NONE
SERIAL NUMBER: N/A							
FUNCTION: CABLE FOR VALVE	RELATIVE HUMIDITY %	100	100	NOTE 10	9	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
SERVICE: TYPE 3XJ12G1 CABLE FOR VALVE 2RC-165	RADIATION	3.9E6	2.0E8	23	9	SEQUENTIAL	NONE
LOCATION: BLDG: AUXILIARY ELEV: 758.0 AREA: T75	AGING	40 YRS	40 YRS	NOTE 8	9	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

9. OKONITE ENGINEERING REPORTS 141 AND N-1
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 924
FACILITY: OCONEE NUCLEAR STATION
UNIT: 2
DOCKET: 50-270

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2PENT0052 SYSTEM RBSM PLANT ID NO. WD4	OPERATING TIME	1 YEAR	1 YEAR	36	18	ENG. ANALYSIS	NONE
COMPONENT: ELECTRICAL PENETRATION	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	18	SIMULTANEOUS	NONE
MANUFACTURER: VIKING	PRESSURE PSIA			2	18	SIMULTANEOUS	NONE
SERIAL NUMBER: N/A							
FUNCTION: POWER FOR RB EQUIPMENT	RELATIVE HUMIDITY %	100	100	NOTE 10	18	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON:N/A	CHEMICAL SPRAY	BORIC AC SOLUTION	N/A	N/A	NOTE 3	N/A	NONE
SERVICE: ELECTRICAL PENETRATION ASSEMBLY	RADIATION	6.103E7	1E8	23	18	SEQUENTIAL	NONE
LOCATION: BLDG: REACTOR ELEV: AREA:	AGING	40 YRS	40 YRS	NOTE 8	18	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR,CH.14,FIG.14-63
2. FSAR,CH.14,FIG.14-59
18. TEST REPORT QTP 118,119,120,124,VTR 363,QAI 003 -70 AI LTRS 7/23/70 AND 5/28/71.
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.

NOTES:

3. PROTECTED FROM SPRAY.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 925
FACILITY: OCONEE NUCLEAR STATION
UNIT: 2
DOCKET: 50-270

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2PENT0055 SYSTEM RBSM PLANT ID NO. EA12 COMPONENT: ELECTRICAL PENETRATION MANUFACTURER: VIKING SERIAL NUMBER: N/A FUNCTION: POWER FOR RB EQUIPMENT ACCURACY: SPEC: N/A DEMON: N/A SERVICE: ELECTRICAL PENETRATION ASSEMBLY LOCATION: BLDG: REACTOR ELEV: AREA:	OPERATING TIME	1 YEAR	1 YEAR	36	18	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	18	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	18	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	18	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	BORIC AC SOLUTION	N/A	N/A	NOTE 3	N/A	NONE
	RADIATION	6.103E7	1E8	23	18	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	18	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
18. TEST REPORT QTP 118, 119, 120, 124, VTR 363, QAI 003 -70 AI LTRS 7/23/70 AND 5/28/71.
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.

NOTES:

3. PROTECTED FROM SPRAY.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE
FACILITY: OCONEE NUCLEAR STATION
UNIT: 2
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2SLND0039 SYSTEM RBSM PLANT ID NO. 2RC-162 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: REACTOR ELEV: 777.5 AREA:	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	N/A	N/A	N/A	N/A	N/A	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	9.1E7	1.23X10^8	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO.2375

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.
33. VALVES ARE PRESENTLY SPLASHPROOF AND ARE BEING UPGRADED TO WATER TIGHT.

LIST NO = 18A, PAGE
FACILITY: OCONEE NUCLEAR STATION
UNIT: 2
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF #		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2SLND0040 SYSTEM RBSM PLANT ID NO. 2RC-163 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: REACTOR ELEV: 777.5 AREA:	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	N/A	N/A	N/A	N/A	N/A	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	9.1E7	1.23×10^8	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO.2375

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.
33. VALVES ARE PRESENTLY SPLASHPROOF AND ARE BEING UPGRADED TO WATER TIGHT.

LIST NO. 18A, PAGE
FACILITY: OCONEE NUCLEAR STATION
UNIT: 2
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2SLND0041 SYSTEM RBSM PLANT ID NO. 2RC-184 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: AUX. ELEV: 758.0 AREA: 111	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	N/A	N/A	N/A	N/A	N/A	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.4E6	1.23X10^8	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO.2375

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 558
FACILITY: OCONEE NUCLEAR STATION
UNIT: 2
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 2SLNDO042 SYSTEM RBSM PLANT ID NO. 2RC-165 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: AUX. ELEV: 758.0 AREA: TTI	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	N/A	N/A	N/A	N/A	N/A	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.4E6	1.23X10^8	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO.2375

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

Unit 3

LIST NO = 18A, PAGE 1,447
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-287

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3CBLE0499 SYSTEM RBSM PLANT ID NO. 3EMC1793 COMPONENT: CABLE MANUFACTURER: OKONITE SERIAL NUMBER: N/A FUNCTION: CABLE FOR VALVE ACCURACY: SPEC: N/A DEMON: N/A SERVICE: TYPE 8XJ12G1 CABLE FOR VALVE 3RC-162 LOCATION: BLDG: AUXILIARY ELEV: AREA: PENT. RM.	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
	PRESSURE PSIA			N/A	N/A	N/A	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.1E6	2.0E8	23	35	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 1,448
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-287

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3CBLE0500 SYSTEM RBSM PLANT ID NO. 3EMC1793A	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	35	SIMULTANEOUS	NONE
MANUFACTURER: OKONITE	PRESSURE PSIA			2	35	SIMULTANEOUS	NONE
SERIAL NUMBER: N/A							
FUNCTION: CABLE FOR VALVE	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON: N/A	CHEMICAL SPRAY	BOR.ACID SOLN.	BOR.ACID	5	35	SIMULTANEOUS	NONE
SERVICE: TYPE 8XJ12G1 CABLE FOR VALVE 3RC-162	RADIATION	9.1E7	2.0E8	23	35	SEQUENTIAL	NONE
LOCATION: BLDG: REACTOR ELEV: AREA:	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: NO	SUBMERGENCE	YES	N/A	NOTE 1	NOTE 1	NOTE 1	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

1. REFER TO DPC LETTER OF 10/31/75 TO RUSCHE, Q2 RESPONSE.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 1,449
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-287

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3CBLE0501 SYSTEM RBSM PLANT ID NO. 3EMC1794 COMPONENT: CABLE MANUFACTURER: OKONITE SERIAL NUMBER: N/A FUNCTION: CABLE FOR VALVE ACCURACY: SPEC: N/A DEMON: N/A SERVICE: TYPE 8XJ12G1 CABLE FOR VALVE 3RC-163 LOCATION: BLDG: AUXILIARY ELEV: AREA: PENT. RM.	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
	PRESSURE PSIA			N/A	N/A	N/A	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.1E6	2.0E8	23	35	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 1,450
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-287

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3CBLE0502 SYSTEM RBSM PLANT ID NO. 3EMC1794A	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	35	SIMULTANEOUS	NONE
MANUFACTURER: OKONITE SERIAL NUMBER: N/A	PRESSURE PSIA			2	35	SIMULTANEOUS	NONE
FUNCTION: CABLE FOR VALVE ACCURACY: SPEC: N/A DEMON: N/A	RELATIVE HUMIDITY %	100	100	NOTE 10	35	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	BOR.ACID SOLN.	BOR.ACID	5	35	SIMULTANEOUS	NONE
SERVICE: TYPE 8XJ12G1 CABLE FOR VALVE 3RC-163	RADIATION	9.1E7	2.0E8	23	35	SEQUENTIAL	NONE
LOCATION: BLDG: REACTOR ELEV: AREA:	AGING	40 YRS	40 YRS	NOTE 8	35	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: NO	SUBMERGENCE	YES	N/A	NOTE1	NOTE 1	NOTE 1	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
35. OKONITE ENGINEERING REPORT N-1
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

1. REFER TO DPC LETTER OF 10/31/75 TO RUSCHE, Q2 RESPONSE.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 1,451
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-287

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3CBLE0503 SYSTEM RBSM PLANT ID NO. 3EMC1786	OPERATING TIME	1 YEAR	1 YEAR	36	9	ENG. ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
MANUFACTURER: OKONITE	PRESSURE PSIA			N/A	N/A	N/A	NONE
SERIAL NUMBER: N/A							
FUNCTION: CABLE FOR VALVE	RELATIVE HUMIDITY %	100	100	NOTE 10	9	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
SERVICE: TYPE 3XJ12G1 CABLE FOR VAVE 3RC-164	RADIATION	3.9E6	2.0E8	23	9	SEQUENTIAL	NONE
LOCATION: BLDG: AUXILIARY ELEV: 758.0 AREA: T79	AGING	40 YRS	40 YRS	NOTE 8	9	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

9. OKONITE ENGINEERING REPORTS 141 AND N-1
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 1,452
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-287

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3CBLE0504 SYSTEM RBSM PLANT ID NO. 3EMC1787	OPERATING TIME	1 YEAR	1 YEAR	36	35	ENG. ANALYSIS	NONE
COMPONENT: CABLE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		N/A	N/A	N/A	NONE
MANUFACTURER: OKONITE	PRESSURE PSIA			N/A	N/A	N/A	NONE
SERIAL NUMBER: N/A							
FUNCTION: CABLE FOR VALVE	RELATIVE HUMIDITY %	100	100	NOTE 10	9	SIMULTANEOUS	NONE
ACCURACY: SPEC: N/A DEMON: N/A	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
SERVICE: TYPE 3XJ12G1 CABLE FOR VALVE 3RC-165	RADIATION	3.9E6	2.0E8	23	9	SEQUENTIAL	NONE
LOCATION: BLDG: AUXILIARY ELEV: 758.0 AREA: T90	AGING	40 YRS	40 YRS	NOTE 8	9	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

9. OKONITE ENGINEERING REPORTS 141 AND N-1
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 1,487
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-287

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3PENT0051 SYSTEM RBSM PLANT ID NO. WD12 COMPONENT: ELECTRICAL PENETRATION MANUFACTURER: VIKING SERIAL NUMBER: N/A FUNCTION: POWER FOR RB EQUIPMENT ACCURACY: SPEC: N/A DEMON: N/A SERVICE: ELECTRICAL PENETRATION ASSEMBLY LOCATION: BLDG: REACTOR ELEV: AREA:	OPERATING TIME	1 YEAR	1 YEAR	36	18	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	18	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	18	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	18	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	BORIC AC SOLUTION	N/A	N/A	NOTE 3	N/A	NONE
	RADIATION	6.103E7	1E8	23	18	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	18	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
18. TEST REPORT QTP 118,119,120,124, VTR 363, QAI 003 -70 AI LTRS 7/23/70 AND 5/28/71.
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.

NOTES:

3. PROTECTED FROM SPRAY.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE 1,486
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-287

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3PENT0050 SYSTEM RBSM PLANT ID NO. WD4 COMPONENT: ELECTRICAL PENETRATION MANUFACTURER: VIKING SERIAL NUMBER: N/A FUNCTION: POWER FOR RB EQUIPMENT ACCURACY: SPEC: N/A DEMON: N/A SERVICE: ELECTRICAL PENETRATION ASSEMBLY LOCATION: BLDG: REACTOR ELEV: AREA:	OPERATING TIME	1 YEAR	1 YEAR	36	18	ENG. ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	18	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	18	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	100	100	NOTE 10	18	SIMULTANEOUS	NONE
	CHEMICAL SPRAY	BORIC AC SOLUTION	N/A	N/A	NOTE 3	N/A	NONE
	RADIATION	6.103E7	1E8	23	18	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	18	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: 785.8 ABOVE FLOOD LEVEL: YES	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR, CH.14, FIG.14-63
2. FSAR, CH.14, FIG.14-59
18. TEST REPORT QTP 118, 119, 120, 124, VTR 363, QAI 003 -70 AI LTRS 7/23/70 AND 5/28/71.
23. DUKE POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.

NOTES:

3. PROTECTED FROM SPRAY.
8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3SLND0039 SYSTEM RBSM PLANT ID NO. 3RC-162 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: REACTOR ELEV: 777.5 AREA:	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	N/A	N/A	N/A	N/A	N/A	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	9.1E7	1.23×10^8	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO.2375

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.
33. VALVES ARE PRESENTLY SPLASHPROOF AND ARE BEING UPGRADED TO WATER TIGHT.

LIST NO = 18A, PAGE
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF #		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3SLND0040 SYSTEM RBSM PLANT ID NO. 3RC-163	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
COMPONENT: SOLENOID VALVE	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
MANUFACTURER: TARG. ROCK SERIAL NUMBER:	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A	RELATIVE HUMIDITY %	N/A	N/A	N/A	N/A	N/A	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
SERVICE: REACTOR COOLANT SYSTEM SAMPLE	RADIATION	9.1E7	1.23X10^8	23	47	SEQUENTIAL	NONE
LOCATION: BLDG: REACTOR ELEV: 777.5 AREA:	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO.2375

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.
33. VALVES ARE PRESENTLY SPLASHPROOF AND ARE BEING UPGRADED TO WATER TIGHT.

LIST NO = 18A, PAGE
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. 3SLND0041 SYSTEM RBSM PLANT ID NO. 3RC-164 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: AUX. ELEV: 758.0 AREA: 771	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	N/A	N/A	N/A	N/A	N/A	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.4E6	1.23X10⁸	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO.2375

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

LIST NO = 18A, PAGE [redacted]
FACILITY: OCONEE NUCLEAR STATION
UNIT: 3
DOCKET: 50-269

SYSTEM COMPONENT EVALUATION WORK SHEET

REVISION 01

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENTATION REF *		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	SPECIFICATION	QUALIFICATION	SPECIFICATION	QUALIFICATION		
ITEM NO. SLND0042 SYSTEM RBSM PLANT ID NO. 3RC-165 COMPONENT: SOLENOID VALVE MANUFACTURER: TARG. ROCK SERIAL NUMBER: FUNCTION: REACTOR COOLANT ISOLATION ACCURACY: SPEC: N/A DEMON: N/A SERVICE: REACTOR COOLANT SYSTEM SAMPLE LOCATION: BLDG: AUX. ELEV: 758.0 AREA: 771	OPERATING TIME	1 YEAR	1 YEAR	36	47	TEST/ANALYSIS	NONE
	TEMPERATURE DEGREES F	SEE ACCIDENT AND TEST PROFILES PROVIDED		1	47	SIMULTANEOUS	NONE
	PRESSURE PSIA			2	47	SIMULTANEOUS	NONE
	RELATIVE HUMIDITY %	N/A	N/A	N/A	N/A	N/A	NONE
	CHEMICAL SPRAY	N/A	N/A	N/A	N/A	N/A	NONE
	RADIATION	3.4E6	1.23×10^8	23	47	SEQUENTIAL	NONE
	AGING	40 YRS	40 YRS	NOTE 8	47	SEQUENTIAL	NONE
FLOOD LEVEL ELEV: N/A ABOVE FLOOD LEVEL: N/A	SUBMERGENCE	N/A	N/A	N/A	N/A	N/A	NONE

* DOCUMENTATION REFERENCES:

1. FSAR CH.14, FIG.14-63 (TEMP. IN CONTAINMENT)
2. FSAR CH.14, FIG.14-59 (PRESS. IN CONTAINMENT)
5. FSAR SUP.6,Q15;SUP.7,Q4-RES OF 8/11 AND 8/28/70
23. DUKE-POWER COMPANY POST-ACCIDENT RADIATION ANALYSIS STUDY.
36. TMI MODIFICATIONS-DEVICE OPERATING TIMES.
47. TARGET ROCK CORPORATION REPORT NO. 2375

NOTES:

8. EXPECTED PLANT LIFE IS 40 YEARS.
10. MAXIMUM HUMIDITY IS 100%.

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B.1.e Scheduled Completion Date of TMI Action Plan Items.

Item	Unit 1	Unit 2	Unit 3
II.B.1 Reactor Coolant System Vents	Complete	Complete	Current Outage
II.B.3 Post-Accident Sampling	6-30-82	9-30-82	Current Outage
II.D.3 Valve Position Indication	Complete	Complete	Complete
II.E.1.1 Aux. FDW System Evaluation	Complete	Complete	Complete
II.E.1.2 Aux. FDW System Initiation and Flow Indication	Complete	Complete	Complete
II.E.3.1 No Equipment Additions for this Item	N/A	N/A	N/A
II.E.4.1 Dedicated Hydrogen Penetrations	Complete	Complete	Complete
II.E.4.2 Containment Isolation Dependability	Complete	Complete	Complete
II.F.2 Instrumentation for Detection of Inadequate Core Cooling	Complete	Complete	Complete
II.G.1 No Equipment Additions for this Item.	N/A	N/A	N/A
II.K.2.10 Anticipitory Reactor Trip	Complete	Complete	Complete

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B.2 Qualification documents are provided with the same understanding as outlined in W. O. Parker's letter to the NRC dated March 23, 1982. The NRC will review the attached proprietary reports and the staff's consultant on this issue, Franklin Research, would review only non-proprietary reports. Upon completion of these reviews, all of the attached documents would be returned to Duke Power Company.

INFORMATION REQUESTED	COMMENT/REMARK	PROPRIETARY	NON-PROP.
1. Okonite Engineering Report N-1 (Ref. 9)	Provided in response to Part "A" of NRC letter dated 1/7/82.	X	
2. Penetration Qualification Report (Ref. 18)	Provided in response to Part "A" of NRC letter dated 1/7/82.	X	
3. Target Rock Corporation Report No. 2375 (Ref. 47)	ATTACHMENT F	X	
4. TMI Modifications Device Operating Times (Ref. 36)	ATTACHMENT G	X	

ATTACHMENT F

TARGET ROCK CORPORATION REPORT NO. 2375

Reference 47

(Contains Proprietary Information)

ATTACHMENT G

TMI MODIFICATIONS - DEVICE OPERATING TIMES

(Contains Proprietary Information)