WNP-2
NUREG 0588 ENVIRONMENTAL EQUIPMENT QUALIFICATION REPORT

Volume 2

September 1982

Washington Public Power Supply System
Richland, Washington 99352

APPENDIX C

WNP-2 EQUIPMENT QUALIFICATION REPORTS

WPPSS

QID#045002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

Page No. 1
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-CNTR-1A, 1B MANUFACTURER ITE IMPERIAL MODEL NUMBER A102D202 COMPONENT Contactor FUNCTION/SERVICE Contactor for CAC-EHC-1A, 1B LOCATION: BLDG R ELEVATION 572 COLUMN M.7/6.6 M.7/7.4	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal accident profile 4		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1×10^6		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 1/2/82

Reviewed by: [illegible] 1/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment list, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572F	1. A documentation search is being performed to obtain qualification data. Requalification activities will be implemented if required.

WP-1081

WPPSS QID #105002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC-E/S-(see note 4) MANUFACTURER Bailey MODEL NUMBER (Note 4) COMPONENT Electronic Power Supply FUNCTION/SERVICE Power Supply LOCATION: BLDG R ELEVATION 572 COLUMN (Note 4)	OPERATING TIME	6 months		1			None Note 1
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal 106 Accident		2			None
	PRESSURE (PSIA)	14.7		2			None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 90 Accident		2			None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.6×10^3		3			None Note 2
	AGING	40 years		2			None Note 3
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chin 8/27/82 Reviewed by: [illegible] 8/27/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572D	QUALIFIED 1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment. 2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads. 3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

4.

Tag Number	Model Number	Column
CAC-E/S-1A24	9T66Y987	M5/6.0
CAC-E/S-1A43	298	M5/6.0
CAC-E/S-1B24	9T66Y987	M5/6.0
CAC-E/S-1B43		M5/6.0

WPPSS QID #109007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-EHC-1A, B	OPERATING TIME	6 months	Equivalent To >6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	150	2	4,5	Simultaneous Test Engineering Analysis	None
MANUFACTURER Chromalox	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
MODEL NUMBER SA213-T347 S.S. COMPONENT Heater	RELATIVE HUMITY (%)	40 normal 80 max abnormal Accident Profile 4	100%	2	4	Simultaneous Test	None
FUNCTION/SERVICE Preheater for HR-1A	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	N/A
	RADIATION (RAD)	1.0×10^6	2×10^8	3	4	Sequential Test	None
	AGING	40 years	40 years	2	5	Engineering Analysis	None
LOCATION: BLDG R ELEVATION 580 COLUMN M7/6.6, M7/7.4	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nadim 9/1/82 Reviewed by: Raymond Chi 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82. 2. FSAR Par. 3.11 3. EDS Report 0740-004-572F 4. Westinghouse Test Report WCAP 7709-L, Supplements 1-7 5. QID File #109007	Qualified.

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WPPSS QID #110001, 2, 4

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71, 42A

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-EHO-Note 2 MANUFACTURER ITT-General Controls MODEL NUMBER NH91 & NH95 COMPONENT Electro-Hydraulic Operator FUNCTION/SERVICE Operate FCV (3 phase) LOCATION: BLDG R ELEVATION (See Note 2) COLUMN (See Note 2)	OPERATING TIME	6 months	Equivalent to > 6 months	5	3	Simultaneous Test	Note 1
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4	150	1	3	Simultaneous Test	Note 1
	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident profile 4	100	1	3	Simultaneous Test	Note 1
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.0×10^6	3.9×10^7	2	3	Sequential Test	Note 1
	AGING	40 years	10.6 years	1	3, 4	Sequential Test Engineering Analysis	Note 1
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared By: Aron Sieber 9/4/82 Reviewed By: Raymond Thio 9/4/82

DOCUMENTATION REFERENCES

1. FSAR Par. 311
2. EDS Study 0740-004-572F
3. MCC Powers #377-80.010 with Appendices A-D.
4. Calculation QID 110001
5. WNP-2 Class 1E Equipment List, dated 9/82.

NOTES

1. The vendor is currently retesting these components. The test results will be evaluated when the testing is completed to resolve discrepancies in the original test program.

WP-1001

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2.

EPN	Elevation	Column
CAC-EHO-FCV/1A	575	M.2/5.6
EHO-FCV/1B	570	J.6/6.7
EHO-FCV/2A	558	M.2/7.1
EHO-FCV/2B	563	M.5/6.5
EHO-FCV/3A	493	M.8/4.4
EHO-FCV/3B	494	J.0/7.4
EHO-FCV/4A	495	M.2/7.8
EHO-FCV/4B	493	N.0/6.0
EHO-FCV/5A	572	M.6/6.5
EHO-FCV/5B	573	M.5/7.5
EHO-FCV/6A	572	M.6/6.5
EHO-FCV/6B	573	M.5/7.5
EHO-TCV/4A	573	M.5/6.6
EHO-TCV/4B	573	M.5/7.4
EHO-TVV/1A	573	M.5/6.6
EHO-TVV/1B	573	M.5/7.4
EHO-TVV/2A	573	M.5/6.6
EHO-TVV/2B	573	M.5/7.4
EHO-TVV/3A	573	M.5/6.6
EHO-TVV/3B	573	M.5/7.4

WPPSS QID #139001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC-FIC-67A CAC-FIC-67B MANUFACTURER Bailey MODEL NUMBER 50-701003AAAA1 COMPONENT Flow Indicating Controller FUNCTION/SERVICE PIC for CAC-FCV-6A,B LOCATION: BLDG R ELEVATION 572 COLUMN N5/6.6 N5/8.0	OPERATING TIME	6 months	N/A	1		Note 1	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal 106 Max Accident	N/A	2		Note 1	None
	PRESSURE (PSIA)	14.7	N/A	2		Note 1	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 90 Accident	N/A	2		Note 1	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.6×10^3	Note 2	3		Note 2	None
	AGING	40 years	N/A	2		Note 3	None
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572D	Qualified 1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment. 2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads. 3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

WP-1881

WPPSS QID #154002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC-FS-6A,B MANUFACTURER Moore MODEL NUMBER DCA/4-20MA/D-X2-X3 COMPONENT Flow Switch FUNCTION/SERVICE Flow Switch for CAC-PCA-6A,B LOCATION: BLDG R ELEVATION 572 COLUMN M2/5.7 M5/8.0	OPERATING TIME	6 months	Note 1	1			None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal 107 Max Accident		2			None
	PRESSURE (PSIA)	14.7		2			None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 90 Accident		2			None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	9.1×10^3	Note 2	3			None
	AGING	40 years	Note 3	2			None
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 1/13/82 Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report #0740-004-572D	Qualified. 1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment. 2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads. 3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

WP-1083

WPPSS QID #156005

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-FT-1A, -3A -1B, -3B -2A, -4A -2B, -4B MANUFACTURER Rosemount MODEL NUMBER 1151 COMPONENT Flow Transmitter FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 501, 548 COLUMN M.8/5.8, M.7/8.2, N.8/5.5, L.4/9.3, N.6/5.1	OPERATING TIME	6 months	Equivalent to>6 months	5	3,4, 8	Engineering Analysis Separate Effects	None Note 1
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	300 max	1	3	Separate Effects	None
	PRESSURE (PSIA)	14.7	N/R	1		Separate Effects	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4	100	1	7	Separate Effects	None
	CHEMICAL SPRAY	N/A	N/R	1	N/A	N/A	None
	RADIATION (RAD)	8.5×10^4	2×10^6	2	4	Separate Effects	None
	AGING	40 years	Note 2	1			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chin 8/20/82 Reviewed by: Ali Naderi 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-548P 3. Rosemount Report 97215A dated 2/9/72 4. Rosemount Report 127227 dated 12/27/72 5. WNP-2 Class 1E Equipment List dated September 1982 6. Rosemount Product Data Sheet 2256 7. Rosemount Report 117415 dated 9/19/75 8. QID File #156005	Qualified 1. Test data and equipment specification data ensure the component will operate 6 months at the required temperatures. 2. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

WP-1081

WPPSS QID #156004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: #2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-FT-5A, B -6A, B -7A, B MANUFACTURER ITT Barton MODEL NUMBER 386 COMPONENT Differential Pressure Transmitter FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 572' COLUMN M.5/6.6 M.5/7.4	OPERATING TIME	6 months	Equivalent to >6 months	5	3, 4	Simultaneous Test Operating Experience	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	288	1	3	Simultaneous Test Operating Expereince	None
	PRESSURE (PSIA)	14.7	N/A	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100%	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.0×10^6	2×10^7	2	3	Sequential Test	None
	AGING	40 years	6.5 years	1	4	Operating Experience Engineering Analysis	Note 1
	ACCURACY		±12%		3		

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nodani 8/28/82

Reviewed by: Raymond [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Report No. 0740-004-572H 3. Westinghouse Test Report WCAP 7410-L, dated 12/70, Volume I of II 4. QID File #156004 5. WNP-2 Class 1E Equipment List, September 1982	Qualified 1. A preventive maintenance/surveillance program is being implemented to extend the qualified life.

WP-1081

WPPSS QID #207009

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC-LS-1A,B	OPERATING TIME	6 months	Note 1	1			None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal 106 Max Accident		2			None
MANUFACTURER Moore	PRESSURE (PSIA)	14.7		2			None
MODEL NUMBER DCA/4-20MA/D-X1-X4 COMPONENT Level Switch	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 90 Accident		2			None
FUNCTION/SERVICE Level Indicating Switch for CAC-MS-1A,B	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.4×10^4	Note 2	3			None
	AGING	40 years	Note 3	2			None
LOCATION: BLDG R ELEVATION 572 COLUMN M2/5.7 M5/8.0	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond Chu 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated .9/82. 2. FSAR Paragraph 3.11 3. EDS Report #0740-004-572D	Qualified 1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment. 2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads. 3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

WP-1841

WPPSS QID #209002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: #2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-LT-1A, B	OPERATING TIME	6 months	Equivalent to >6 months	5	3, 4	Simultaneous Test Operating Experience	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	288	1	3	Simultaneous Test Operating Experience	None
MANUFACTURER ITT Barton	PRESSURE (PSIA)	14.7	N/A	1	N/A	N/A	None
MODEL NUMBER 386 COMPONENT Differential Pressure Transmitter	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100%	1	3	Simultaneous Test	None
FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.0×10^6	2×10^7	2	3	Sequential Test	None
	AGING	40 years	6.5 years	1	4	Operating Experience Engineering Analysis	Note 1
LOCATION: BLDG R ELEVATION 572' COLUMN M.5/6.6 M.5/7.4	ACCURACY		±12%		3		

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 8/20/82

Reviewed by: [illegible] 9/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Report No. 0740-004-572H 3. Westinghouse Test Report WCAP 7410-L, dated 12/70, Volume I of II 4. QID File #209002 5. WNP-2 Class 1E Equipment List, September 1982	Qualified 1. A preventive maintenance/surveillance program is being implemented to extend the qualified life.

WP-1081

WPPSS QID #213048

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION:
DATE:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC-M-FN/1A, 1B MANUFACTURER Westinghouse MODEL NUMBER Style No. 75D42473 COMPONENT Fan Motor FUNCTION/SERVICE Fan motors for FN-1A, 1B LOCATION: BLDG R ELEVATION 572 COLUMN M5/6.6 M5/7.4	OPERATING TIME	6 months	Equivalent to 6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident profile 4	150	2	4	Simultaneous Test Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident profile 4	100	2	4	Simultaneous Test Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	N/A
	RADIATION (RAD)	1.0×10^6	9.4×10^6	3	5	Engineering Analysis	None
	AGING	40 years	40 years	2	5	Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nadiri 9/4/82 Reviewed by: Raymond Chi 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Para. 3.11 3. EDS Report 0740-004-572F 4. W Report MM-9112, Class 1E Medium A.C. motors, dated Nov. 18, 1980, Rev. 4. 5. QID #213048	Qualified.

WP-1081

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A
MPL:
PPD:
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC-MO-11, 2 13, 4 15, 6 17, 8 MANUFACTURER Limitorque MODEL NUMBER SMB-000-5/056A COMPONENT Motor Operator FUNCTION/SERVICE Operate CAC Valves LOCATION: BLDG R ELEVATION (See Note 1) COLUMN	OPERATING TIME	6 months	Equivalent to >6 months	5	3,4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	See enclosed profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident profile 4	100%	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.7×10^6	1×10^7	2	3	Sequential Test	None
	AGING	40 years	40 years+	1	3,4	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Cle 8/28/82 Reviewed by: Mark L Baker 8/23/82

DOCUMENTATION REFERENCES

1. FSAR Par. 3.11
2. EDS Study 0740-004-471E (worst case)
3. Limitorque Report B0009, 4/30/76
4. Applicability calculations in QID 221001
5. WNP-2 Class 1E Equipment List, September, 1982

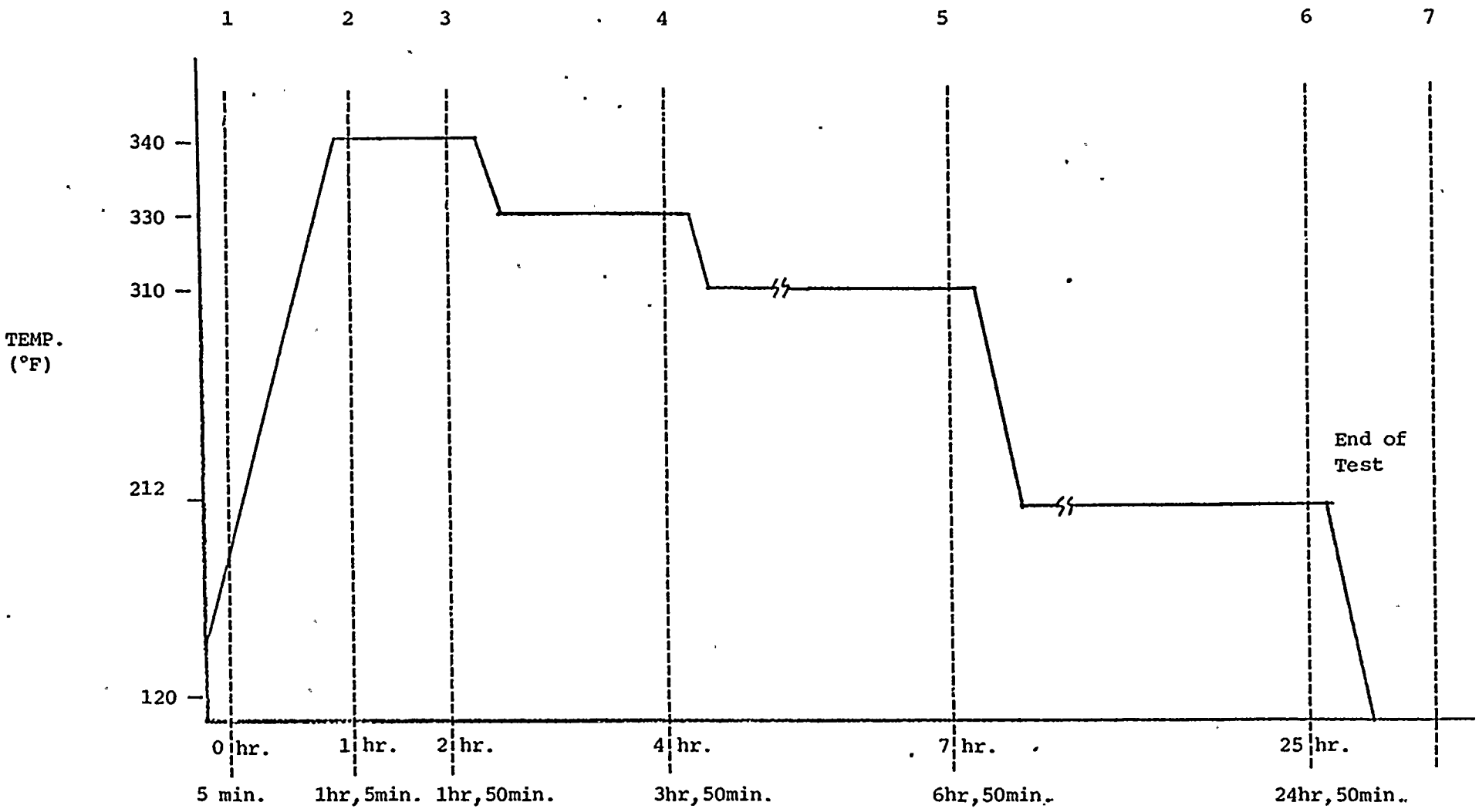
NOTES

Qualfied.

1.

Tag Number	Elevation	Column
CAC-MO-2	558	M.1/7.1
-4	493	M.3/8.0
-6	575	L.7/5.0
-8	491	M.7/4.5
-11	560	M.2/6.5
-13	487	N.o/6.0
-15	565	J.6/6.7
-17	494	J /7.4

WP-1001


1
2
3
4
5
6
7
340
330
310
212
120
TEMP.
(°F)
End of
Test
0 hr.
1 hr.
2 hr.
4 hr.
7 hr.
25 hr.
5 min.
1hr,5min.
1hr,50min.
3hr,50min.
6hr,50min.
24hr,50min.

WPPSS QID #256012

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC-PS-68A,B	OPERATING TIME	6 months	Note 1	1			None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal 106 Max Accident		2			None
MANUFACTURER Moore	PRESSURE (PSIA)	14.7		2			None
MODEL NUMBER DCA/4-20MA/D-X2-X3 COMPONENT Pressure Switch	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 90 Accident		2			None
FUNCTION/SERVICE Pressure Switch to moisture separator 1A,B	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.60×10^3	Note 2	3			None
	AGING	40 years	Note 3	2			None
LOCATION: BLDG R ELEVATION 572 COLUMN M2/5.7 M5/8.0	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond Ch. 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report #0740-004-572D	Qualified. 1. These components are located in isolated rooms serviced by Class 2 HVAC. Therefore, the room is a mild environment for these service conditions. 2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads. 3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

WP-1041

WPPSS QID #259006

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmoshpere Control TAG NUMBER CAC-PT-68A, B -1A,B MANUFACTURER ITT Barton MODEL NUMBER 386 COMPONENT Differential Pressure Transmitter FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 572' COLUMN M.5/7.4 M.5/6.6	OPERATING TIME	6 months	Equivalent to >6 months	5	3, 4	Simultaneous Test Operating Experience	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	288	1	3	Simultaneous Test Operating Expereince	None
	PRESSURE (PSIA)	14.7	N/A	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100%	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N?A	1	N/A	N/A	None
	RADIATION (RAD)	1.0×10^6	2×10^7	2	3	Sequential Test	None
	AGING	40 years	6.5 years	1	4	Engineering Analysis	Note 1
	ACCURACY		±12%		3	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/27/82

Reviewed by: Raymond Chi 8/27/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Report No. 0740-004-572 F 3. Westinghouse Test Report WCAP 7410-L, dated 12/70, Volume I of II 4. QID File #259006 5. WNP-2 Class 1E Equipment List, September, 1982	Qualified 1. A preventive maintenance/surveillance program is being implemented to extend the qualified life.

WP-1081

WPPSS QID #271001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC-R/I-4A,B	OPERATING TIME	6 months	N/A	1		Note 1	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal 106 Max Accident	N/A	2		Note 1	None
MANUFACTURER Bailey	PRESSURE (PSIA)	14.7	N/A	2		Note 1	None
MODEL NUMBER 50-740320CAAA1	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 90 Accident	N/A	2		Note 1	None
COMPONENT Resistance/Current Convertor FUNCTION/SERVICE Current Reset on CAC-HR-1A and Hydrogen Recombiner Outlet Temperature	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.6×10^3	N/A	3		Note 2	None
	AGING	40 years	Note 3	2		Note 3	None
LOCATION: BLDG R ELEVATION 572 COLUMN M2/5.7 M5/8.0	ACCURACY						None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 7/1/82 Reviewed by: [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572D	Qualified. 1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment. 2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads. 3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

WP-1041

WPPSS QID #283011

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-RLY-1A, 1B, 2A, 2B, 3A, 3B, 4A, 4B	OPERATING TIME	6 months	Note 1	3	4		
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4		1			
MANUFACTURER ASEA	PRESSURE (PSIA)	14.7		1			
MODEL NUMBER RK225-052-CT COMPONENT	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident Profile 4		1			
Relay FUNCTION/SERVICE	CHEMICAL SPRAY	N/A		1			
Control relays for CAC-FCV's	RADIATION (RAD)	7.1×10^4		2			
	AGING	40 years		1			
LOCATION: BLDG R ELEVATION 475 COLUMN N/8.3, N.1/9.3	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82

Reveiwed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-471D 3. WNP-2 Class 1E Equipment List, dated 9/82 4. Letter GE-02-JLS-82-012	1. These components are scheduled to be tested.

WP-1081

WPPSS QID #283011

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-RLY-4A/1234, 4B/1234 MANUFACTURER ASEA MODEL NUMBER RK225-052CP COMPONENT Relay FUNCTION/SERVICE Control interlock for CAC-V's and FCV's LOCATION: BLDG R ELEVATION 475 COLUMN N.1/9.3, N.1/8.3	OPERATING TIME	6 months	Note 1	3	4		
	TEMPERATURE (F)	90 normal 104 abnormal Accident-Profile 4		1			
	PRESSURE (PSIA)	14.7		1			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal accident-profile 4		1			
	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	7.1×10^4		2			
	AGING	40 years		1			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82

Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-475D 3. WNP-2 Class 1E Equipment List dated 9/82 4. Letter GE-02-JLS-82-012	1. These components are scheduled to be tested.

WP-1081

WPPSS QID 283013

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-RLY-CR5A, B -CR6A, B MANUFACTURER Agastat MODEL NUMBER 7012AD, AH COMPONENT Relay FUNCTION/SERVICE Relays for CAC Recombiner LOCATION: BLDG R ELEVATION 572 COLUMN M.6/6.5 M.4/8.0	OPERATING TIME	6 months	Equivalent to> 6 months at 150°F	4	2,5	Simultaneous Test	None
	TEMPERATURE (F)	90 max normal 104 max abnormal 107 max accident	150	1	2	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 max normal 90 max abnormal 90 max accident	95	1	2	Sequential Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	5.7×10^4	1×10^7	3	2	Sequential Test	None
	AGING	40 years	Note 1	1	N/A	Preventive Maintenance	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Al. Naden 9/1/82 Reviewed by: Raymond Ali 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. MCC Powers Report 734-79.002, 9/3/79 3. EDS Study 0740-004-572D, H 4. WNP-2 Class 1E Equipment List dated 9/82 5. QID No. 283013	Qualified 1. Current maintenance/surveillance programs adequately address aging of equipment in mild environments.

WP-1881

WPPSS QID #338002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-TDS-1A -1B MANUFACTURER Agastat MODEL NUMBER 7012AH COMPONENT Timer Delay Relay FUNCTION/SERVICE Timer Delay for Instrument Warm-Up LOCATION: BLDG R ELEVATION 572 COLUMN M2/5.7, M5/8	OPERATING TIME	6 Months	Equivalent to> 6 months	5	3,4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal 107 max accident	150	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 90 max accident	95	1	3	Sequential Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	5.7×10^4	1×10^7	2	3	Sequential Test	None
	AGING	40 years	Note 1	1	3,4	Preventive Maintenance	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nadeli 9/1/82 Reviewed by: Raymond Ali 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-5270 3. MCC Powers 734-79:002, 9/3/79 4. Calculations in QID 338002 5. WNP-2 Class 1E Equipment List dated 9/82	Qualified 1 Current maintenance/surveillance programs adequately address aging of equipment in mild environments.

WP-1081

WPPSS QID 338006

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-TE-1A1, 1A2, 1A3, 1A4, 1A5, 1A6, 1A7 MANUFACTURER Thermo Electric, Inc. MODEL NUMBER COMPONENT Temperature Element FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 576 COLUMN M.3 6.4	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4		2			None
	PRESSURE (PSIA)	14.7		2			None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	1.0×10^6		3			None
	AGING	40 years		2			None
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: al. Nadeni 9/2/82 Reviewed by Raymond Cliff 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572F	1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function. Qualified.

WP-1081

WPPSS QID #339006

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Containment Atmosphere Control TAG NUMBER: CAC-TE-1A, B; -2A, B; -3A, B; -4A, B; -5A, B; -6A, B MANUFACTURER: Thermoelectric MODEL NUMBER: 30500 COMPONENT: Temperature Element FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 572 COLUMN M5/6.6 M5/7.4	OPERATING TIME	6 months	Equivalent to > 6 months	2	4	Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	150	1	4	Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/A	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4	See Accident Profile 4	1	4	Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.0×10^6	6.0×10^6	3	4	Engineering Analysis	None
	AGING	40 years	40 years	1	4	Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: alivadeu 9/2/82 Reviewed by: Raymond Chu 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 Class 1E Equipment List, dated 9/82 3. EDS Report #0740-004-572F 4. QID 338002	Qualified

WP-1081

WPPSS QID #339006

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2802-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmosphere Control TAG NUMBER CAC-TE-1B1 CAC-TE-1B6 CAC-TE-1B2 CAC-TE-1B7 CAC-TE-1B3 CAC-TE-1B4 CAC-TE-1B5 MANUFACTURER Thermo Electric, Inc. MODEL NUMBER COMPONENT Temperature Element FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 576 COLUMN M.3/7.2	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4		2			None
	PRESSURE (PSIA)	14.7		2			None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	1.0×10^6		3			None
	AGING	40 years		2			None
	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible signature] 9/3/82

Reviewed by: Raymond Che 9/3/82

DOCUMENTATION REFERENCES

1. WNP Class 1E Equipment List, dated 9/82
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-572F

NOTES

1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function.

Qualified.

WP-1081

WPPSS QID #341001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC - TIC-4A,B MANUFACTURER Bailey MODEL NUMBER 50-701003AAAA1 COMPONENT Temperature Indicating Controller FUNCTION/SERVICE Temperature Control Discharge for moisture separators CAC-MS-1A,B LOCATION: BLDG R ELEVATION 572 COLUMN M5/5.7 M5/8.0	OPERATING TIME	6 months	N/A	1		Note 1	None
	TEMPERATURE (F)	90 Max Normal 106 Max Abnormal 104 Max Abnormal 106 Max Accident	N/A	2		Note 1	None
	PRESSURE (PSIA)	14.7	N/A	2		Note 1	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 90 Accident	N/A	2		Note 1	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.6×10^3	N/A	3		Note 2	None
	AGING	40 years	Note 3	2		Note 3	None
	ACCURACY	N/A	N/A				None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naeini 9/1/82 Reviewed by: Raymond Ch 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982. 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572D	Qualified 1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment. 2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads. 3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

WP-1041

WPPSS QID #355007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC-TS-1A,B CAC-TS-2A,B CAC-TS-3A,B CAC-TS-5A,B CAC-TS-6A,B MANUFACTURER Moore MODEL NUMBER RBA/3W-400/D-X1-X4 COMPONENT Temperature Switch FUNCTION/SERVICE Discharge Temperature for CAC-HS-1A,B LOCATION: BLDG R ELEVATION 572 COLUMN H2/5.7 H5/8.0	OPERATING TIME	6 months	Note 1	1			None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal 106 Max Accident		2			None
	PRESSURE (PSIA)	14.7		2			None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 90 Accident		2			None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	9.1×10^3	Note 2	3			None
	AGING	40 years	Note 3	2			None
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report #0740-004-572D	Qualified. 1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment. 2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads. 3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

WP-1841

WPPSS QID #357001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-71

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Atmospheric Control TAG NUMBER CAC-TT-4A,B	OPERATING TIME	6 months		1			Note 1
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4		2			
MANUFACTURER Bailey	PRESSURE (PSIA)	14.7		2			
MODEL NUMBER Type 740 COMPONENT Temperature Transmitter	RELATIVE HUMITY (%)	40 Normal 90 Abnormal Accident Profile 4		2			
FUNCTION/SERVICE Temperature Trans. for CAC-MS-1A,B moisture separator discharge	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.0×10^6		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 572 COLUMN M.0/5.8 M.5/8.0	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Kaymond Chu 8/28/82 Reviewed by: Ali Naderi 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982. 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572F	1. Qualification data has not been located, so a qualified replacement is being sought.

WP-1063

WPPSS QID324009

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

PAGE NO: 28A
REVISION: 0
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Air Supply TAG NUMBER CAS-V-453	OPERATING TIME	4320 hours		2			Note 1
	TEMPERATURE (F)	Max normal 90 Max abnormal 104 Accident Profile 4		1			
MANUFACTURER Marotta	PRESSURE (PSIA)	14.7		1			
MODEL NUMBER MV250-4 COMPONENT Solenoid Valve	RELATIVE HUMITY (%)	Max normal 70 Max abnormal 90 Accident Profile 4		1			
FUNCTION/SERVICE Control Wet Well Vacuum Breakers	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	7.1×10^4		3			
	AGING	40 years		1			
LOCATION: BLDG R ELEVATION 479 COLUMN H.5/7.5	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: D. J. Jeanner

Reviewed by: J. Sullivan

DOCUMENTATION REFERENCES	NOTES
1. FSAR Para 3.11 2. WNP-2 Equipment List dated 9/2/82 3. EDS Study 0740-004-471D	1. An Environmental Qualification Testing Program is currently being negotiated with the manufacturer.

WP-1881

WPPSS QID #200015, 200009

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-68

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Exhaust Purge System TAG NUMBER CEP-LMS-1A, 2A 1B, 2B	OPERATING TIME	6 months	Equivalent to >6 months	2	4,6	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	200	1	4	Simultaneous Test	None
MANUFACTURER NAMCO	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
MODEL NUMBER EA74080100 EA1703100 COMPONENT Limit Switches	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	1	4	Simultaneous Test	None
FUNCTION/SERVICE Limit Switches for CEP-V-1A, 1B, 2A, 2B	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.0×10^6	2.5×10^6	3	5	Engineering Analysis	None
	AGING	40 years	Note 1	1			None
LOCATION: BLDG R ELEVATION 548, 563 COLUMN J.4/6.5, J.4/5.4	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 7/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 Class 1E Equipment List dated 9/82 3. EDS Report 0740-004-548Q 4. ACME-Cleveland Report, "Qualification of Namco Control Limit Switch Model EA-170", dated 3/17/78 5. QID No. 200015, 200009 6. NAMCO Controls, Limit Switches General Catalog, copyright 1979	Qualified 1. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by Oct. 15, 1982.

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WPPSS QID #200009, 200015

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-68
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Exhaust Purge System TAG NUMBER CEP-LMS-3B, 4B 3A, 4A MANUFACTURER Namco MODEL NUMBER EA1703100 EA74080100 COMPONENT Limit Switches FUNCTION/SERVICE Limit Switch for CEP-LMS-3A, 3B -4A, 4B LOCATION: BLDG R ELEVATION 495 COLUMN H.5/5.4	OPERATING TIME	6 months	Equivalent To or > 6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	340	2	4,5	Simultaneous Test Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/A	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	N/A
	RADIATION (RAD)	4.4×10^7	2×10^8	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4,5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Par. 3.11 3. EDS Report 0740-004-471J 4. Qualification of NAMCO Controls Limit Switch Model EA-740 to IEEE Stds. 344 (1975), 323 (1974) and 382 (1972), Rev. 1, dtd. 2/22/79, Rev. 0, dtd. 2/20/78 5. QID #200009, 200015	Qualified.

WP-1081

WPPSS

QID315004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

PAGE NO: 30A
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Exhaust Purge TAG NUMBER CEP-SPV-(See Note 2)	OPERATING TIME	6 months	>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Profile 4	Envelopes Profile 4 with >8C margin	2	4	Simultaneous Test Engineering Analysis	None
MANUFACTURER Automatic Switch (ASCO)	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
MODEL NUMBER WJHT 831654 COMPONENT	RELATIVE HUMITY (%)	40 max normal 90 max abnormal Profile 4	N/R (<90%)	2	6	Engineering Analysis	None
Solenoid Pilot Valve FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	2	6	Engineering Analysis	None
Solenoid Pilot for CEP-V-3A	RADIATION (RAD)	1.7×10^5	6×10^5	3	5	Engineering Analysis	None
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	Note 1
LOCATION: BLDG R ELEVATION See Note 2 COLUMN	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. S. Johnson

Reviewed by: J. Sullivan

DOCUMENTATION REFERENCES

1. WNP-2 CIE Equipment List dated 9/1/82.
2. FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0
3. EDS Study 0740-004-471J (Pinpoint Calculation) (Worst Case)
4. Calculation QID315004-1
5. Calculation QID315004-2
6. Calculation QID315004-3

NOTES

1. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life.

Qualified

WA-1031

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	2. TAG NUMBERS -1A 555 H5/5.8 -1B 555 H5/5.8 -2A 554 H7/8.2 -2B 554 H7/8.2 -3A 471 H4/6.8 -3B 471 H4/6.8 -4A 501 L4/9.3 -4B 501 L4/9.3

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-MO-20 -30A -30B	OPERATING TIME	6 months	Equivalent to >6 months	1	3,4	Simultaneous Testing and Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4,11	See enclosed profile	1	3	Simultaneous Testing	None
MANUFACTURER Limitorque MODEL NUMBER SMB-000-5/P48	PRESSURE (PSIA)	Normal 14.7 Accident profile 11	See enclosed profile	1	N/A	N/A	None
COMPONENT Valve Motor Operator	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max. accident	Steam for 24 hours 100% for 15 days	1	3	Simultaneous Testing	None
FUNCTION/SERVICE Operate CIA Valves	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5	2×10^7	2	3	Sequential Testing	None
	AGING	40 years	40 years+	1	3,4	Sequential Testing Engineering Analysis	None
LOCATION: BLDG R ELEVATION 522, 545 COLUMN J3/7, J5/7.1 M5/6.8	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/28/82 Reviewed by: Mark Baker 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-522H (worst case) 3. Limitorque Report B0003 with addendum A, 5/8/76 in BWR 054-C-04 4. Calculations in QID 221001	Qualified.

WP-1081

TEMPERATURE PROFILE

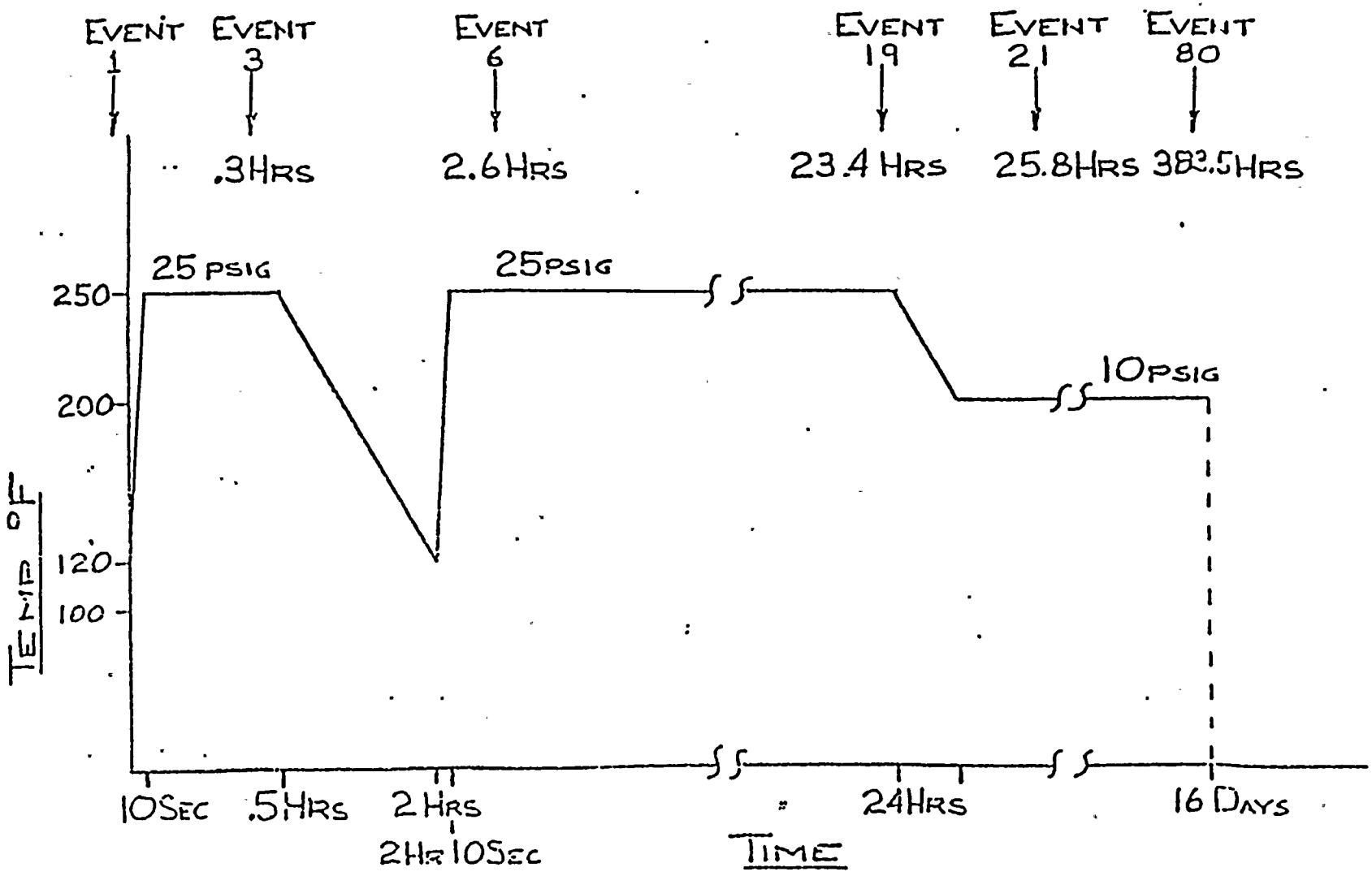

FIGURE 1

WPPSS QID#254001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-PROG-1A, B MANUFACTURER Automatic and Timing Control, Inc. MODEL NUMBER 1820BLQ20XX COMPONENT PROG. FUNCTION/SERVICE PROGR's to N2 Bottle SPV's LOCATION: BLDG R ELEVATION 556 COLUMN H.7/8.2 H.8/5.8	OPERATING TIME	6 months	Note 1	1	4	Simultaneous Test Engineering Analysis	
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4, 26, 27, 30, 32		2			
	PRESSURE (PSIA)	14.7 normal accident profile 26, 27 30, 32		2			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.5×10^4		2			
	AGING	40 years		3			
	ACCURACY			2			

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: A. Nadeni 9/2/82

Reviewed by: Raymond Chin 9/2/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-548G, P 4. Letter #GE-02-JLS-82-016	1. These components are scheduled to be tested.

WP-1081

WPPSS QID #256007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-PS-21A CIA-PS-21B MANUFACTURER Barton MODEL NUMBER 288 COMPONENT Pressure Switch FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 554 COLUMN M8/5.8	OPERATING TIME	6 months	Equivalent to >6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,30	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 30	Accident Profile 30	2	4, 5	Simultaneous Test, Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.5×10^4	3×10^6	3	4,5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
	ACCURACY	N/A	1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-548G, P 4. QID File #256007	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #256001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-PS-22A, B	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4, 30, 32		2			None
MANUFACTURER ASCO	PRESSURE (PSIA)	Normal 14.7 Accident Profile 30, 32		2			None
MODEL NUMBER SB11AKR/TG1032 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			None
Pressure Switch FUNCTION/SERVICE - Remote Local PS	CHEMICAL SPRAY	N/A		2			None
- CIA N_2 Header Pressure IR-68	RADIATION (RAD)	8.5×10^4		3			None
	AGING	40 years		2			None
LOCATION: BLDG R ELEVATION 548 COLUMN N8/5.7	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Al. Nader 9/7/82 Reviewed by: Raymond Chi 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-548P	1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function. Qualified.

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-PS-29 MANUFACTURER ASCO MODEL NUMBER SC11ABTG10 COMPONENT Press Switch FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 522 COLUMN	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal 150 accident		2			None
	PRESSURE (PSIA)	14.7		2			None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)			3			None
	AGING	40 years		2			None
	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ann Seiler 9/9/82 Reviewed by: alivadesi

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-	1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function. Qualified.

WP-1081

WPPSS QID #256011

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58
MPL:
PPD:
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-PS-39A CIA-PS-39B MANUFACTURER Mercoid MODEL NUMBER DAW-7023-804 COMPONENT Pressure Switch FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 525 COLUMN H8/7.0 H4/7.1	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4,11		2			None
	PRESSURE (PSIA)	Normal 14.7 Accident profile 11		2			None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	2.0×10^4		3			None
	AGING	40 years		2			None
	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 8/28/82 Reviewed by: Raymond Chi 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-522K	1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function. Qualified.

WP-1081

WPPSS QID #259003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2802-59

MPL:
PPD:

REVISION:2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-PT-20	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5,8	Separate Effects and Engineering Analysis	None Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	300 Max	2	5	Separate Effects	None
MANUFACTURER Rosemount	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
MODEL NUMBER 712203	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	7	Separate Effects	None
COMPONENT Pressure Transmitter	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
FUNCTION/SERVICE P.T. Downstream of CIA-AR-1	RADIATION (RAD)	1.7×10^6	2×10^6	3	6	Separate Effects	None
	AGING	40 years	Note 2	2			
LOCATION: BLDG R ELEVATION 522 COLUMN J/6.7	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Ok 8/21/82 Reviewed by: ali Naderi 8/28/82

DOCUMENTATION REFERENCES

1. WNP Class 1E Equipment List, dated September '82
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-5220
4. Rosemount Production data sheet 2256
5. Rosemount Report 97215A1 dated 2/9/72
6. Rosemount Report 127227, Rev. 6
7. Rosemount Report 117415 dated 9/19/75
8. QID File #259003

NOTES

Qualified
1. Test data and equipment specification data ensure the component will operate 6 months at the required temperatures.
2. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

WP-1081

WPPSS QID # 259003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-59

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-PT-21A CIA-PT-21B	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5,8	Seperate Effects and Engineering Analysis	None Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4, 26	300 max	2	5	Seperate Effects	None
MANUFACTURER Rosemount	PRESSURE (PSIA)	Normal 14.7 Accident Profile 26	Accident Profile 26	2	8	Engineering Analysis	None
MODEL NUMBER 1151GP7A22T0003PB COMPONENT Pressure Transmitter	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	7	Separate Effects	None
FUNCTION/SERVICE CIA Header Pressure	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.5×10^4	2×10^6	3	6	Seperate Effects	None
	AGING	40 years	Note 2	2			
LOCATION: BLDG R ELEVATION 548 550 COLUMN M.8/5.7 H.7/8.2	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chen 8/23/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September, 1982. 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-548 G, P 4. Rosemount Product Data Sheet 2256 5. Rosemount Report 97 215 A1 dated 2/9/72 6. Rosemount Report 127227, Rev. 6 7. Rosemount Report 117415 dated 9/19/75 8. QID file #259003	Qualified 1. Test data and equipment production specifications indicate the component will operate 6 months at the required temperature. 2. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-RLY-21A, B	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4, 26, 27, 30, 32		2			
MANUFACTURER Struthers-Dunn	PRESSURE (PSIA)	14.7 normal accident profile 26, 27, 30, 32		2			
MODEL NUMBER 219XBXP COMPONENT Relay	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 accident		2			
FUNCTION/SERVICE Control relay closes on low pressure	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.5×10^4		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 548 550 COLUMN H.8/5.7 H.7/82	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82

Reviewed by: Raymond Cliff 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-548G, P	1. A documentation search is being performed to obtain qualification data. Requalification activities will be implemented, if required.

WP-1083

WPPSS QID315023

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP 2
SPEC: 2808-215

MPL:
PPD:

PAGE NO: 40A
REVISION: 2
DATE: August, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-SPV-See Note 2 MANUFACTURER Marotta MODEL NUMBER MV 252-3 COMPONENT Soelnoid Pilot Valve FUNCTION/SERVICE .5" Solenoid Valve LOCATION: BLDG R ELEVATION 441 COLUMN N/4.3	OPERATING TIME	6 months		1			Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident-Profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident-Profile 4		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	8.2×10^3		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: Carl Gaind

Reviewed by: J. Sullivan

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, 12/16/81
2. FSAR Par. 3.11
3. EDS Study 0740-004-441D

NOTES

1. Environmental Qualification Test Program for these components is currently being negotiated with manufacturer.

WPS-1881

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	2. TAG NUMBERS CIA-SPV-1A -1B -10A -10B -11A -11B -12A -12B -13A -13B -14A -14B -15A -15B -16B -17B -18B -19B -2A & 2B -3A -3B -4A -4B -5A -5B -6A -6B -7A -7B -8A -8B -9A -9B

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Instrument Air TAG NUMBER CIA-TDS-1A, B	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4, 26, 27, 30, 32		2			
MANUFACTURER	PRESSURE (PSIA)	14.7 normal accident profile 26, 27, 30, 32		2			
MODEL NUMBER COMPONENT	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 accident		2			
FUNCTION/SERVICE 3 sec. delay for CIA-PROGR-1A, B	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.5×10^4		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 550 548 COLUMN M.8/5.8 H.7/8.2	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82

Reviewed by: Raymond Chin 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-548G, P	1. A documentation search is being performed to obtain qualification data. Requalification activities will be implemented, if required.

WP-1081

WPPSS QID# 025002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-92B
MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Monitoring System TAG NUMBER CMS-AY-1, 2	OPERATING TIME	6 months	Note 1	3			
	TEMPERATURE (F)	90 max normal 106 max abnormal		1			
MANUFACTURER Beckman Instruments, Inc.	PRESSURE (PSIA)	14.7					
MODEL NUMBER 7C(H_2) and 755 (O_2) COMPONENT H_2, O_2 Analyzer	RELATIVE HUMITY (%)	40 normal 90 max abnormal		1			
FUNCTION/SERVICE	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	9.0×10^3		2			
	AGING	40 years		1			
LOCATION: BLDG R ELEVATION 548 COLUMN MG/4.5	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: ali Nadeem 8/28/82 Reviewed by: Raymond Chi 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-548E 3. WNP-2 1E Equipment List, dated September, 1982.	1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rad. Therefore, the area is a mild environment. Qualified

WP-1081

WPPSS QID 209006

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-59

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Containment Monitoring System TAG NUMBER: CMS-LT-1 MANUFACTURER: Magnetrol MODEL NUMBER: TSI-1X-HFG-M14HY COMPONENT: Level Transmitter FUNCTION/SERVICE: Suppression Chamber Water Level Monitoring LOCATION: BLDG R ELEVATION 465 COLUMN J 5/4.3	OPERATING TIME	24 hours		1			Note 1
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 8		2			
	PRESSURE (PSIA)	14.7 normal Accident Profile 8		2			
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	3.1×10^6		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 1/7/82 Reviewed by: [illegible] 1/13/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report #0740-004-441J	1. Qualification documentation is being obtained from the vendor.

WP-1861

WPPSS QID #209007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-59

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Mointoring System TAG NUMBER CMS-LT-2	OPERATING TIME	6 months	Equivalent to>6 months	1	3,5,8	Separate Effects Engineering Analysis	None Note 1
	TEMPERATURE (F)	90 normal 104 Abnormal Accident profile 4	300 max	2	5	Separate Effects	None
MANUFACTURER Rosemount	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
MODEL NUMBER 1151-DP4022T003PB COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident profile 4	100	2	7	Separate Effects	None
Level Transmitter FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/R	2	N/A	N/A	None
Suppression Chamber Water Level Monitor	RADIATION (RAD)	1.7×10^6	2×10^6	4	6	Separate Effects	None
	AGING	40 years	Note 2	2			
LOCATION: BLDG R ELEVATION 465 COLUMN M.2/7.7	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/28/82 Reviewed by: Ali Naderi 8/28/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List dated September, 1982.
2. FSAR Par. 3.11
3. Rosemount Product Data Sheet 2256
4. EDS Study 0740-004-441F
5. Rosemount Report 97215A1 dated 2/9/72
6. Rosemount Report 127227, Rev. b
7. Rosemount Report 117415 dated 9/19/75
8. QID file #209007

NOTES

Qualified
1. Test data and equipment production specifications indicate the component will operate 6 months at the required temperatures.
2. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

WP-1881

WPPSS QID #217002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Monitoring System TAG NUMBER CMS-ME-1, -2, -3, -4, -5 MANUFACTURER Panametrics MODEL NUMBER M2R - 600-09A COMPONENT Moisture Sensor FUNCTION/SERVICE Drywell Moisture LOCATION: BLDG C ELEVATION 536 COLUMN 190,195,45 D AZ	OPERATING TIME	24 hours	Note 1	1			
	TEMPERATURE (F)	135 max normal 150 max abnormal Accident - profile 1		2			
	PRESSURE (PSIA)	14.7 normal 16.7 abnormal Accident - profile 1		2			
	RELATIVE HUMITY (%)	55 normal 90 abnormal Accident - profile 2		2			
	CHEMICAL SPRAY	Demineralized water		2			
	RADIATION (RAD)	7.0×10^7		2			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nader 9/4/82 Reviewed by: Raymond Chi 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E List, dated 9/82 2. FSAR Par. 3.11	1. These components are on order. Qualification documentation will be reviewed when it is received.

WP-1081

WPPSS QID #224001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Monitoring System TAG NUMBER CMS-MT-1, -2, -3, -4, -5 MANUFACTURER Panametrics MODEL NUMBER 600-M26E COMPONENT Moisture Transmitter FUNCTION/SERVICE Drywell Moisture LOCATION: BLDG R ELEVATION 536 COLUMN	OPERATING TIME	24 hours	Note 1	1			
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident profile 4		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	1.6×10^6		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Aron Seiler 9/4/82 Reviewed by: Raymond Clair 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated 9/82 2. FSAR Par. 3.11 3. EDS Report 0740-004-522H	1. These components are on order. Qualification documentation will be reviewed when it is received.

WP-1001

WPPSS QID #259003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58, 59

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Monitoring System TAG NUMBER CMS-PT-1, 2, 2R, 3, 4, 5, 6, 6R	OPERATING TIME	6 months	Equivalent to 76 months	1	3,5,8	Separate Effects Engineering Analysis	None Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4	300 max	2	5	Separate Effects	None
MANUFACTURER Rosemount	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
MODEL NUMBER 1151GP4A22MBGE3 COMPONENT Pressure Transmitter	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident profile 4	100	2	7	Separate Effects	None
FUNCTION/SERVICE Containment Pressure Transmitter	CHEMICAL SPRAY	N/A	N/R	2	N/A	N/A	None
	RADIATION (RAD)	8.5×10^4	2×10^6	4	6	Separate Effects	None
	AGING	40 years	Note 2	2			
LOCATION: BLDG R ELEVATION (See Note 3) COLUMN (See Note 3)	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Gu 8/24/82 Reviewed by: Cibi Nadar 8/27/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated September, 1982. 2. FSAR Par. 3.11 3. Rosemount Product Data Sheet 2256 4. EDS Study 0740-004-548P 5. Rosemount Report 97215A dated 2/9/72 6. Rosemount Report 127227 dated 12/27/72 7. Rosemount Report 117415 dated 9/19/75 8. QID file #259003	Qualified 1. Test data and equipment specification data ensure the component will operate 6 months at the required temperatures. 2. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982

WP-1081

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

3.

Tag Number	Elevation	Column
CMS-PT-1	555	M8/5.8
2	551	H7/8.2
2R	550	H7/8.2
3	501	N8/5.5
4	501	L4/9.3
5	555	M8/5.8
6	551	H7/8.2
6R	552	H7/8.2

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Monitoring System TAG NUMBER CMS-RE-12A, B	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4		2			
MANUFACTURER	PRESSURE (PSIA)	14.7		2			
MODEL NUMBER COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			
FUNCTION/SERVICE RE for drywell	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	8.0×10^3					
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 548 COLUMN M3/4.8	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/13/82 Reviewed by: Raymond Chu 9/13/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004-548F	1. These components are on order. The qualification documentation will be reviewed when it is received.

WP-1081

WPPSS QID #277005

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-92B

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Monitoring System TAG NUMBER CMS-RE-27B, D	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4		2			
MANUFACTURER Reuter-Stokes Electric	PRESSURE (PSIA)	14.7		2			
MODEL NUMBER RS-CA-1606-203 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			
FUNCTION/SERVICE RE for Drywell	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	1×10^5					
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 526, 611 COLUMN K.3/7.1 H.3/6.2	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82

Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004-606A, 522J	1. A documents search is being performed to obtain qualification data. If data is not available, the component will be tested or replaced.

WP-1081

WPPSS QID #339002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Monitoring TAG NUMBER CMS-TE-21, 22, 23, 41, 42, 43, 44 MANUFACTURER Hy-Cal Engineering MODEL NUMBER TC-113X-T-A-24-3 COMPONENT Thermal Element FUNCTION/SERVICE TE for suppression pool air LOCATION: BLDG C ELEVATION 451, 492 COLUMN 2°, 225°	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	135 normal 150 abnormal Accident Profile 1		2			
	PRESSURE (PSIA)	14.7 normal 16.7 abnormal Accident Profile 1		2			
	RELATIVE HUMITY (%)	55 normal 90 max. abnormal Accident Profile 2		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	7.0×10^7		2			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 1/3/82

Reviewed by: [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, 9/82 2. FSAR Par. 3.11	1. The qualification status of these components has not yet been determined. Requalification activities will be implemented if required.

WP-1081

WPPSS QID324009

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

PAGE NO: 51A
REVISION: 2
DATE: August, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Isolation Air TAG NUMBER CIA-V-39A, B MANUFACTURER Marotta MODEL NUMBER HV250-4 COMPONENT Solenoid Valve FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 540 COLUMN K.0/4.3 H.8/7.7	OPERATING TIME	6 months		1			Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident-Profiles 4, 11, 20		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident-Profiles 4, 11, 20		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	8.3×10^5		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [signature] Reviewed by: [signature]

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, 12/16/81
2. FSAR Par. 3.11
3. EDS Study 0740-004-522K, H

NOTES

1. Environmental Qualification Test Program for these components is currently being negotiated with the manufacturer.

WP-1081

WPPSS QID #213037, 38, 39, 40

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-67
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Return Air TAG NUMBER CRA-M - (Note 2) MANUFACTURER Reliance MODEL NUMBER Note 2 COMPONENT Fan Motor FUNCTION/SERVICE Containment Return Air Fans LOCATION: BLDG C ELEVATION Note 2 COLUMN Note 2	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	135 normal 150 abnormal Accident - profile 1		2			
	PRESSURE (PSIA)	14.7 normal 16.7 abnormal Accident - profile 1		2			
	RELATIVE HUMITY (%)	55 normal 90 abnormal accident - profile 2		2			
	CHEMICAL SPRAY	Demineralized water		2			
	RADIATION (RAD)	7.0×10^7		2			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By: [illegible]

Reviewed By: Clem Seiler 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.1	1. Applicability of the test data is being reviewed.

WP-1081

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2.

EPN	Elevation	Column
CRA-M-1A1	501	62°AZ,R30
-1A2	501	66°AZ,R30
-1B1	501	182°AZ,R30
-1B2	501	186°AZ,R30
-1C1	501	271°AZ,R30
-1C2	501	275°AZ,R30
-2A1	522	270°AZ
-2A2	522	270°AZ
-2B1	522	
-2B2	522	
-3A	534	50°AZ,R17
-3B	534	140°AZ,R17
-3C	534	60°AZ,R17
-4A	572	330°AZ,R17
-4B	572	206°AZ,R17
-5A	572	180°AZ,R17
-5B	572	20°AZ,R17
-5C	572	270°AZ,R17
-5D	572	90°AZ,R17

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: C12-R005, 9
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-DPI-5, 9	OPERATING TIME	1 hour	Note 1	1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4, 23		2			
MANUFACTURER General Electric	PRESSURE (PSIA)	Normal 14.7 Accident profile 23		2			
MODEL NUMBER 13722, 13733 COMPONENT Differential Pressure	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max. accident		2			
FUNCTION/SERVICE	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	5.8×10^5		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 522 COLUMN N.4/3.6	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004-522C	1. The qualification status of these components has not yet been determined. Requalification activities will be implemented if required.

WP-1001

WPPSS QID #086001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: C12-N015,N002
PPD: 145C3009

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-DPIS-15 CRD-DPIS-2 MANUFACTURER Barton MODEL NUMBER 288 COMPONENT Differential Pressure Indicating Switch FUNCTION/SERVICE	OPERATING TIME	6 months	Equivalent to > 6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.5×10^5	3×10^6	3	4, 5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
LOCATION: BLDG R ELEVATION 426, 528 COLUMN N.8/3.7 N.0/3.5	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/28/82

Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-522C 4. QID File #086001 5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1 (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #091003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL:
PPD:

REVISION: 2
DATE:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-DPT-11,8	OPERATING TIME	6 months	6 months	1	4	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident profile 4,23	286	2	4	Simultaneous Test	None
MANUFACTURER Barton	PRESSURE (PSIA)	Normal 14.7 Accident Profile 23	73.7	2	4	Simultaneous Test	None
MODEL NUMBER 368 COMPONENT Differential Pressure Transmitter	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	4	Simultaneous Test	None
FUNCTION/SERVICE CRD Differential Pressure Transmitter	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.8×10^5		3			Note 1
	AGING	40 years		2			Note 1
LOCATION: BLDG R ELEVATION 522 COLUMN N4/3.6	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 9/4/82 . Reviewed by: Raymond Chi 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-522C 4. FIRL Report F-C2667, Nov. 1969. Performance Test for three Differential Pressure Transmitters.	1. Materials of Construction are being obtained from the vendor to complete the evaluations.

WP-1081

WPPSS QID #104001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL:
PPD:

REVISION:
DATE:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-E/P- 1 MANUFACTURER General Electric MODEL NUMBER 158B7013P7 COMPONENT Electroneumatic Converter FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 524 COLUMN M8/3.8	OPERATING TIME	1 hour	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	5.2×10^4		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/4/82 Reviewed by: [illegible] 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004-522P	1. General Electric is being contacted to obtain qualification data.

WP-1001

WPPSS QID #156005

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: C12-N007,9
PPD: 145C3240

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-FT-7 -FT-9	OPERATING TIME	6 months	Equivalent to>6 months	1	3,5,8	Separate Effects Engineering Analysis	None Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4	300 max.	2	5	Separate Effects	None
MANUFACTURER Rosemount	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
MODEL NUMBER 1151DP5022T0001PB COMPONENT Flow Transmitter	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident profile 4	100	2	7	Separate Effects	None
FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/R	2	N/A	N/A	None
	RADIATION (RAD)	5.8×10^5	2×10^6	4	6	Separate Effects	None
	AGING	40 years	Note 2	2			None
LOCATION: BLDG R ELEVATION 524 COLUMN N.4/3.6	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Olin 8/13/82 Required by: [illegible]

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated September 1982 2. FSAR Par. 3.11 3. Rosemount Product Data Sheet 2256 4. EDS Study 0740-004-522C 5. Rosemount Report 97215A dated 2/9/72 6. Rosemount Report 127227 dated 12/17/72 7. Rosemount Report 117415 dated 9/19/75 8. QID #156005	Qualified 1. Test data and equipment product specification ensure the component will operate the required time at the required temperatures. 2. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

WP-1081

WPPSS QID #185004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-IR-(note 2) MANUFACTURER General Electric MODEL NUMBER COMPONENT Instrument Rack FUNCTION/SERVICE Support CRD Components LOCATION: BLDG See Notes ELEVATION Column COLUMN Below	OPERATING TIME	6 months	N/R		N/A	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident - Various Profiles	N/R	1	N/A	Note 1	None
	PRESSURE (PSIA)	14.7 Normal Accident-Various Profiles	N/R	1	N/A	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	N/R	1	N/A	Note 1	None
	CHEMICAL SPRAY	N/A	N/R	1	N/A	Note 1	None
	RADIATION (RAD)	9.4×10^3	N/R	2	N/A	Note 1	None
	AGING	40 years	N/R	1	N/A	Note 1	None
	ACCURACY	N/A	N/R	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: [illegible] 9/3/82

DOCUMENTATION REFERENCES

1. FSAR Par. 3.11
2. EDS Study 0740-004-471E, 522D

NOTES

Qualified
1. The instrument racks are metallic and are not subject to environmental degradation.
2

Tag Number	Elevation	Column
CRD-IR-1A	R426	N.8/3.7
-1B	R426	N.8/3.8
-1C	R426	N.8/4.8

WP-1081

WPPSS QID 207004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02C12

MPL: C12N013
PPD: 159C4361

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-LS-13A-F	OPERATING TIME	1 minute	1 minute	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4,11	300	2	5	Simultaneous Test	None
MANUFACTURER Magnetrol	PRESSURE (PSIA)	14.7 normal Accident Profile 11	Accident Profile 11	2	5	Simultaneous Test and Engineering Analysis	None
MODEL NUMBER See Note 2 COMPONENT Level Switch	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
FUNCTION/SERVICE CRD Level Switch	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.3×10^4	1×10^6	3	4	Engineering Analysis	None
	AGING	40	Note 1	2	4	Engineering Analysis	None
LOCATION: BLDG R ELEVATION 522 COLUMN See Note 2	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/2/82 Reviewed by: Raymond Cline 11/3/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated 9/82
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-522P
4. QID 207004
5. BWR Equipment Qualification Summary Report QSR-030-H-1

NOTES

QUALIFIED
1. A preventive maintenance/surveillance program is being developed to extend the qualified life.
2.

Tag Number	Model #	Column
CRD-LS-A,B	5.0-751-1X-MPG-S13HY	J2/6.9
CRD-LS-C,D	5.0-751-1X-MPG-M13HY	J.4/4.9
CRD-LS-E,F	5.0-751-2X-MPG-M14HY	J.4/4.9

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION:
DATE:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-M/A-9A, B MANUFACTURER MODEL NUMBER COMPONENT Manual/Auto Station FUNCTION/SERVICE Manual/Auto Station LOCATION: BLDG R ELEVATION 524 COLUMN M.8/3.8	OPERATING TIME	1 hour	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal 150 accident		2			
	PRESSURE (PSIA)	14.7 psia		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	5.8×10^5		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [illegible] 9/4/82 Reviewed by: Raymond Chi 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004-522C	1. The evaluation documented in the Justification for Interim Operation has identified these components as not requiring qualification. They will be removed from the equipment list.

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WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02C12

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-MO-3	OPERATING TIME	6 months	Equivalent to >6 months	1	4, 5	Simultaneous test and Engineering analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	See enclosed profile	2	4	Simultaneous test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	14.7	See enclosed profile	2	4	Simultaneous test	None
MODEL NUMBER SMB COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	4	Simultaneous Test	None
Motor Operator FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
·133 HP Motor Operator for CRD-V-3 (Class B insulation)	RADIATION (RAD)	5.8×10^5	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4,5	Separate Effect and Engineering Analysis	None
LOCATION: BLDG R ELEVATION 524 COLUMN N.0/3.5	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 11/2/82 Reviewed by: Raymond Clin 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004- 522C 4. Limitorque report B0003 with Addendum A, dated 5/8/76 (BWR 054-C-04) 5. QID #221001	Qualified

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TEMPERATURE PROFILE

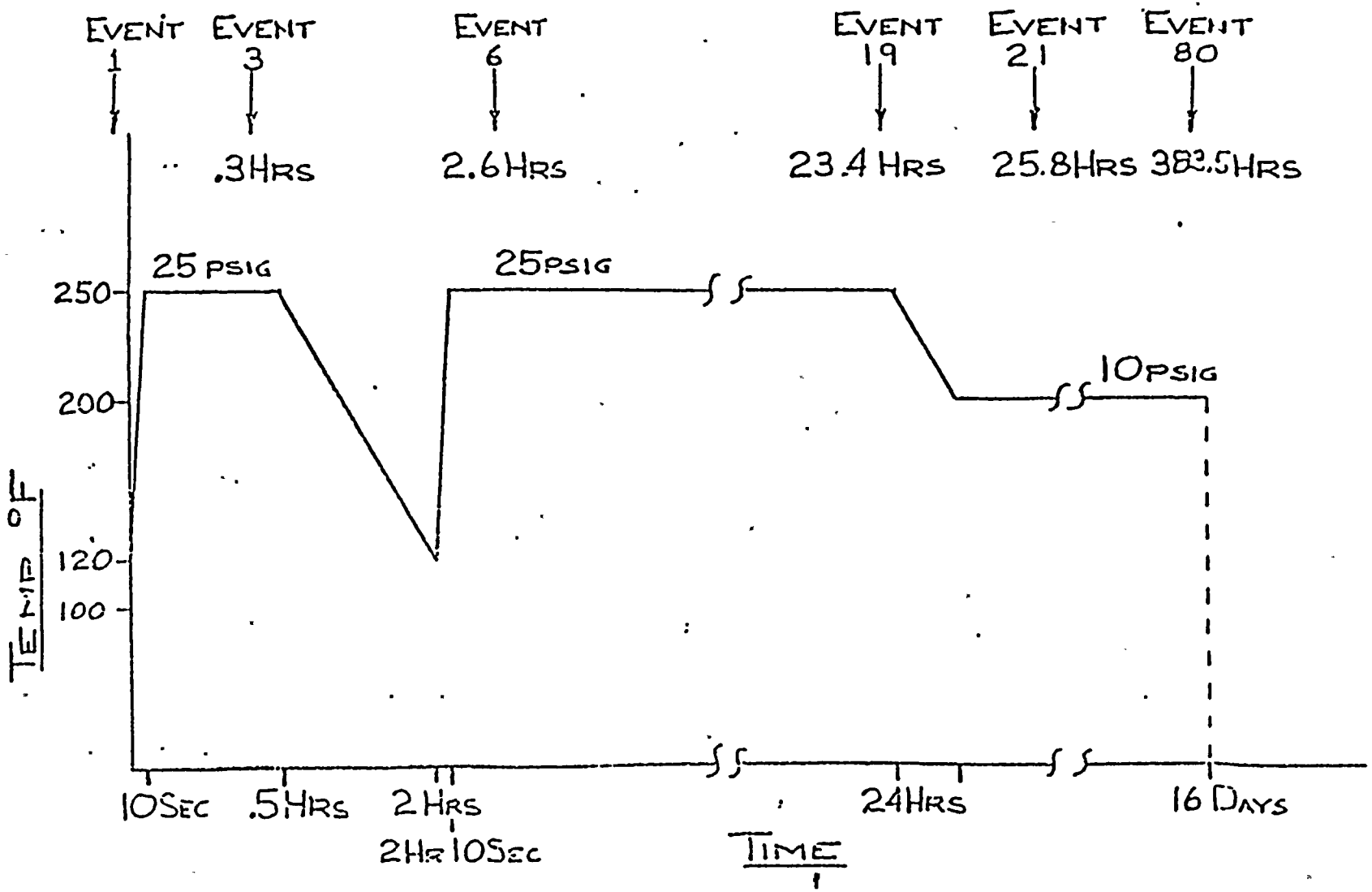

FIGURE 1

WPPSS Q1D248003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP 2
SPEC: 2808-U2

MPL:
PPD:

PAGE NO: 63A
REVISION: 0
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-POS-126XXXX See Note 2	OPERATING TIME	10 minutes	1 hour	3	4	Analysis	
	TEMPERATURE (F)	90 normal, 104 abnormal profile 11 accident profile 24A accident	160°F	1	4	Analysis	
MANUFACTURER Micro-Switch MODEL NUMBER BZE6-2RN72 COMPONENT Position Switch FUNCTION/SERVICE Indicate Position of Scram Inlet Valve	PRESSURE (PSIA)	14.7 PSIA normal 15.0 PSIA accident	15.0	1	4	Analysis	
	RELATIVE HUMITY (%)	40 normal 90 abnormal 80% accident 100% accident	100	1	4	Analysis	
	CHEMICAL SPRAY	N/A	N/A		4		
	RADIATION (RAD)	1.4×10^4	$1. \times 10^6$	2	4	Analysis	
	AGING	40 years	40 years	1	4	Periodic Maintenance	
LOCATION: BLDG R ELEVATION 522 COLUMN L5/8.4 and K2/8.4	ACCURACY	N/A	N/A				

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: Carl Zlamal

Reviewed by: J. Sullivan

DOCUMENTATION REFERENCES	NOTES
1. Para. 3.11 FSAR 2. EDS Study 0740-004-522B (worst case) 3. WNP-2 Class 1E Equipment List 4. WPPSS Calculation 248003	1. Qualified

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2. CRD-POS-126XXXX

0219	1803	2643	3823	5019
0223	1807	2647	3827	5023
0227	1811	2651	3831	5027
0231	1815	2655	3835	5031
0235	1819	2659	3839	5035
0239	1823	3003	3843	5039
0243	1827	3007	3847	5043
0615	1831	3011	3851	5047
0619	1835	3015	3855	5051
0623	1839	3019	3859	5415
0627	1843	3023	4203	5419
0631	1847	3027	4207	5423
0635	1851	3031	4211	5427
0639	1855	3035	4215	5431
0643	1859	3039	4219	5435
0647	2203	3043	4223	5439
1011	2207	3047	4227	5443
1015	2211	3051	4231	5447
1019	2215	3055	4235	5819
1023	2219	3059	4239	5823
1027	2223	3403	4243	5827
1031	2227	3407	4247	5831
1035	2231	3411	4251	5835
1039	2235	3415	4255	5839
1043	2239	3419	4259	5843
1047	2243	3423	4607	
1051	2247	3427	4611	
1407	2251	3431	4615	
1411	2255	3435	4619	
1415	2259	3439	4623	
1419	2603	3443	4627	
1423	2607	3447	4631	
1427	2611	3451	4635	
1431	2615	3455	4639	
1435	2619	3459	4643	
1439	2623	3803	4647	
1443	2627	3807	4651	
1447	2631	3811	4655	
1451	2635	3815	5011	
1455	2639	3819	5015	

WPPSS QID248003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL:
PPD:

PAGE NO: 63C
REVISION: 0
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-POS-127XXXX See Note 2 MANUFACTURER Micro-Switch MODEL NUMBER BZE6-2RN72 COMPONENT Position-Switch FUNCTION/SERVICE Indicate Position of Scram Outlet Valve LOCATION: BLDG R ELEVATION 522 COLUMN L5/8.4 and K2/8.4	OPERATING TIME	10 minutes	1 hour	3	4	Analysis	
	TEMPERATURE (F)	90 normal, 104 abnormal profile 11 accident profile 24A accident	160°F	1	4	Analysis	
	PRESSURE (PSIA)	14.7 PSIA normal 15.0 PSIA accident	15.0	1	4	Analysis	
	RELATIVE HUMITY (%)	40 normal 90 abnormal 80% accident 100% accident	100	1	4	Analysis	
	CHEMICAL SPRAY	N/A	N/A		4		
	RADIATION (RAD)	7.4×10^4	1×10^6	2	4	Analysis	
	AGING	40 years	40 years	1	4	Periodic Maintenance	
	ACCURACY	N/A	N/A				

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: Carl J. Zeanes

Reviewed by: [illegible]

DOCUMENTATION REFERENCES	NOTES
1. Para 3.11 FSAR 2. EDS Study 0740-004-5228 (worst case) 3. WNP-2 Class 1E Equipment List 4. WPPSS Calculation 248003	1. Qualified

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2. CRD-POS-127XXXX

0219	1803	2643	3823	5019
0223	1807	2647	3827	5023
0227	1811	2651	3831	5027
0231	1815	2655	3835	5031
0235	1819	2659	3839	5035
0239	1823	3003	3843	5039
0243	1827	3007	3847	5043
0615	1831	3011	3851	5047
0619	1835	3015	3855	5051
0623	1839	3019	3859	5415
0627	1843	3023	4203	5419
0631	1847	3027	4207	5423
0635	1851	3031	4211	5427
0639	1855	3035	4215	5431
0643	1859	3039	4219	5435
0647	2203	3043	4223	5439
1011	2207	3047	4227	5443
1015	2211	3051	4231	5447
1019	2215	3055	4235	5819
1023	2219	3059	4239	5823
1027	2223	3403	4243	5827
1031	2227	3407	4247	5831
1035	2231	3411	4251	5835
1039	2235	3415	4255	5839
1043	2239	3419	4259	5843
1047	2243	3423	4607	
1051	2247	3427	4611	
1407	2251	3431	4615	
1411	2255	3435	4619	
1415	2259	3439	4623	
1419	2603	3443	4627	
1423	2607	3447	4631	
1427	2611	3451	4635	
1431	2615	3455	4639	
1435	2619	3459	4643	
1439	2623	3803	4647	
1443	2627	3807	4651	
1447	2631	3811	4655	
1451	2635	3815	5011	
1455	2639	3819	5015	

WPPSS QID# 256019

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02C12

MPL: C12-D001-130
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-PS- (See Note 2) MANUFACTURER Barksdale MODEL NUMBER B1T-GH32SS COMPONENT Pressure Switch FUNCTION/SERVICE Accumulated Pressure 970-940 psig Decrease LOCATION: BLDG R ELEVATION 522 COLUMN See Note 2	OPERATING TIME	0.17 hours	Equivalent to>6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 24	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 24	Accident Profile 24	2	4, 5	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	6.4×10^5	2×10^6	3	4	Engineering Analysis	None
	AGING	40 years	16 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		±1%		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 8/28/82 Reviewed by: Raymond Ch. 8/25/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982. 2. FSAR paragraph 3.11 3. EDS Report No. 0740-004-522B 4. QID# 256019 5. Barksdale Environmental Test Delaval Turbine Inc. Test Procedure 9993 Report Dated August 13, 1975.	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1881

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2.

Tag Nos.	Column	Tag Nos.	Column
CRD-PS-130/0219	L5/8.4	CRD-PS-130/2623	L5/8.4
0223		2627	
0227		2631	
0231		3003	
0615		3007	
0619		3011	
0623		3015	
0627		3019	
0631		3023	
1011		3027	
1015		3403	L5/3.7
1019		3407	
1023		3411	
1027		3415	
1031		3419	
1407		3423	
1411		3427	
1415		3803	
1419		3807	
1423		3811	
1427		3815	
1431		3819	
1803		3823	
1807		3827	
1811		4203	
1815		4207	
1819		4211	
1823		4215	
1827		4219	
1831		4223	
2203		4227	
2207		4607	
2211		4611	
2215		4615	
2219		4619	
2223		4623	
2227		4627	
2231		5011	
2603		5015	
2607		5019	
2611		5023	
2615		5027	
2619			

Prepared by: [illegible] Reviewed by: [illegible] 3/23/82

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2. Cont'd.

Tag Nos.	Column	Tag Nos.	Column
CRD-PS-130/5415	L5/3.7	CRD-PS-130/4647	K2/3.7
5419		4651	
5423		4655	
5427		5031	
5819		5035	
5823		5039	
5827		5043	
3031	K2/3.7	5047	
3035		5051	
3039		5431	
3043		5435	
3047		5439	
3051		5443	
3055		5447	
3059		5831	
3431		5835	
3435		5839	
3439		5843	
3443		0235	K2/8.4
3447		0239	
3451		0243	
3455		0635	
3459		0639	
3831		0643	
3835		0647	
3839		1035	
3843		1039	
3847		1043	
3851		1047	
3855		1051	
3859		1435	
4231		1439	
4235		1443	
4239		1447	
4243		1451	
4247		1455	
4251		1835	
4255		1839	
4259		1843	
4631		1847	
4635		1851	
4639		1855	
4643		1859	

Prepared by: [illegible]

Reviewed by: Raymond Ct 8/23/82

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	2. Cont'd.

Tag Nos.	Column
CRD-PS-130/2235	K2/8.4
2239	↓
2243	↓
2247	↓
2251	↓
2255	↓
2259	↓
2635	↓
2639	↓
2643	↓
2647	↓
2651	↓
2655	↓
2659	↓

WPPSS QID #256016

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: C12-N001A,1B
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-PS-1A,B MANUFACTURER Static-O-Ring MODEL NUMBER 6N-AA21-X3VTT COMPONENT Pressure Switch FUNCTION/SERVICE Inlet to CRD-ST LOCATION: BLDG R ELEVATION 422 COLUMN N.8/3.8	OPERATING TIME	6 months	Equivalent to > 6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4,11,24	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11,24	Accident Profile 11,24	2	4,5	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.8×10^5	8.3×10^5	3	4	Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		9.7 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82

Reviewed by: Raymond Ch. 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-422E 4. QID 256016 5. Viking Lab Inc. Test letter Report #30203-2 dated 11/20/73. Steam testing of Static-O-Ring Pressure Switch, P/N 12N-AA4-TTX10.	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1881

WPPSS QID #259001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: C12-N005
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-PT-5 MANUFACTURER Bailey MODEL NUMBER 556 COMPONENT Pressure Transmitter FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 522 COLUMN N.0/3.5	OPERATING TIME	4320 hours	Note 1	1	4		
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,10		2			
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 10		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	5.8×10^5		3			
	AGING	40		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/29/82 Reviewed by: Ali Naderi 8/29/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-522C 4. GE-02-JLS-81-022	1. The component is being replaced by a Rosemount 1153 qualified to IEEE 323-74 and IEEE 344-75.

WP-1081

WPPSS QID #259001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL:
PPD:

PAGE NO: 69A
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-PT-52	OPERATING TIME	0.17 hours	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4.23		2			
MANUFACTURER Bailey Control Company	PRESSURE (PSIA)	Normal 14.7 Accident Profile 23		2			
MODEL NUMBER KG556110EAAA1 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
Pressure Transmitter FUNCTION/SERVICE	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	5.8×10^5		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 526 COLUMN M.8/3.8	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: Raymond G. 8/28/82 Reviewed by: Ali Abdi 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1 E Equipment List, September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-522C	1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions No environmental failure mechanism will cause the component to not perform its safety function. Qualified.

WP-1081

WPPSS QID315011

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02B22

MPL: B22-F028
PPD: 732E150V

PAGE NO: 69B
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER HS-SPV-(See Note 1) MANUFACTURER Asco MODEL NUMBER HTX-8320A20 COMPONENT Solenoid Pilot Valve FUNCTION/SERVICE Operate Outboard Main Steam Isolation Valves LOCATION: BLDG R ELEVATION 501 COLUMN H7/5.9, 5.6, 6.4, 6.1	OPERATING TIME	24 hours		1			Note 2
	TEMPERATURE (F)	125 normal 140 max abnormal Accident - profile 3		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	55 max normal 100 max accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	4.2×10^6		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. S. Aolivier

Reviewed by: J. S. Kullman

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List dated 9/1/82 2. FSAR Para 3.11 3. EDS Study 0740-004-501 0	1. HS-SPV -28A2 -28A3; HS-SPV -28B2 -28B3; HS-SPV -28C2 -28C3; HS-SPV -28D2 -28D3 2. To be replaced with NP8320A173E, see letter GE-02-JLS-023.

WP-1081

WPPSS

QID324007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02C12

MPL:
PPD:

PAGE NO: 69C
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-SPV-110A 110B	OPERATING TIME	1 hour	>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Profile 4, 11, 24	Envelopes profile 4 with >8C margin	2	4	Simultaneous Test Engineering Analysis	None
MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER HVA-103-632	PRESSURE (PSIA)	15.2	N/R	2	N/A	N/A	None
COMPONENT Solenoid Pilot Valve	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal Profile 4, 11, 24	(<90%)	2	6	Engineering Analysis	None
FUNCTION/SERVICE 1.5" Sol. CAS-F-6 Discharge	CHEMICAL SPRAY	N/A	N/A	2	6	N/A	None
	RADIATION (RAD)	5.8×10^5	6×10^5	3	5	Engineering Analysis	None
LOCATION: BLDG R ELEVATION 529/528 COLUMN M6/3.8 M8/3.8	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. F. Adams

Reviewed by J F Schellman

DOCUMENTATION REFERENCES

1 WNP-2 CIE Equipment List dated 9/1/82
2 FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0
3 EDS Study 0740-004-522C
4 Calculation QID315004-1
5 Calculation QID315004-2
6 Calculation QID315004-3

NOTES

1. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life.

Qualified

WP-1061

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID315020

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02C12

MPL:
PPD:

PAGE NO: 69D
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-SV-117, 118 See Note 2 MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER HVA 904052-J COMPONENT Solenoid Pilot Valve FUNCTION/SERVICE Scram Solenoid Pilot LOCATION: BLDG R ELEVATION 522 COLUMN L5/8.4 and K2/8.4	OPERATING TIME	1.0 hour	6 hours	1	4	Simultaneous Test	None
	TEMPERATURE (F)	90 normal 104 abnormal profile 4, 11, 24	212	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	15.2	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal profile 4, 11, 24	(<90%)	2	7	Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	2	7	N/A	None
	RADIATION (RAD)	1.0×10^5	6×10^5	3	5	Engineering Analysis	None
	AGING	40 years	7 years	2	6	Operating Experience Maintenance	None Note 1
	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. S. Johnson

Reviewed by: [illegible]

DOCUMENTATION REFERENCES

1. WNP-2 CIE Equipment List dated 9/1/82
2. FSAR Paragraph 3.11 WPPSS Calculation NE-02-82-14-0
3. EDS Study 0740-004-522J
4. GE Spec 38 3HA820
5. Calculation QID315004-2
6. Calculation QID315004-1
7. Calculation QID315004-3

NOTES

1. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life.

Qualified

WP-1081

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2. TAG NUMBERS

0219	1803	2643	3823	5019
0223	1807	2647	3827	5023
0227	1811	2651	3831	5027
0231	1815	2655	3835	5031
0235	1819	2659	3839	5035
0239	1823	3003	3843	5039
0243	1827	3007	3847	5043
0615	1831	3011	3851	5047
0619	1835	3015	3855	5051
0623	1839	3019	3859	5415
0627	1843	3023	4203	5419
0631	1847	3027	4207	5423
0635	1851	3031	4211	5427
0639	1855	3035	4215	5431
0643	1859	3039	4219	5435
0647	2203	3043	4223	5439
1011	2207	3047	4227	5443
1015	2211	3051	4231	5447
1019	2215	3055	4235	5819
1023	2219	3059	4239	5823
1027	2223	3403	4243	5827
1031	2227	3407	4247	5831
1035	2231	3411	4251	5835
1039	2235	3415	4255	5839
1043	2239	3419	4259	5843
1047	2243	3423	4607	
1051	2247	3427	4611	
1407	2251	3431	4615	
1411	2255	3435	4619	
1415	2259	3439	4623	
1419	2603	3443	4627	
1423	2607	3447	4631	
1427	2611	3451	4635	
1431	2615	3455	4639	
1435	2619	3459	4643	
1439	2623	3803	4647	
1443	2627	3807	4651	
1447	2631	3811	4655	
1451	2635	3815	5011	
1455	2639	3819	5015	

WPPSS QID324007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02C12

MPL:
PPD:

PAGE NO: 69F
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Control Rod Drive TAG NUMBER CRD-SV-120/Note 2 -121/Note 2 -122/Note 2 -123/Note 2 MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER HVA 1709662A COMPONENT Solenoid Pilot Valves FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 522 COLUMN K2/8.4 and L5/8.4	OPERATING TIME	6 months	6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Profile 4, 11, 24	Envelop profile 4 with 78C margin	2	4	Simultaneous Test Engineering Analysis	None
	PRESSURE (PSIA)	15.2	N/R	2	N/A		None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 65 accident	90	2	4	Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/R	2	N/A		None
	RADIATION (RAD)	1.0×10^5	6×10^5	3	4	Engineering Analysis	None
	AGING	40 years	7 years	2	4	Operating Experience Engineering Analysis	1
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: J L Hillman

Reviewed by: RL Abbott

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List dated 9/1/82 2. FSAR Paragraph 3.11 WPPSS Calculation NE-02-82-14-0 3. EDS Study 0740-004-522J 4. Calculation 324007	1. These valves will be rebuilt on a schedule based on the 7-year qualified life. Qualified

WP-1081

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2. CRD-SV-120, 121, 122, 123

0219	1803	2643	3823	5019
0223	1807	2647	3827	5023
0227	1811	2651	3831	5027
0231	1815	2655	3835	5031
0235	1819	2659	3839	5035
0239	1823	3003	3843	5039
0243	1827	3007	3847	5043
0615	1831	3011	3851	5047
0619	1835	3015	3855	5051
0623	1839	3019	3859	5415
0627	1843	3023	4203	5419
0631	1847	3027	4207	5423
0635	1851	3031	4211	5427
0639	1855	3035	4215	5431
0643	1859	3039	4219	5435
0647	2203	3043	4223	5439
1011	2207	3047	4227	5443
1015	2211	3051	4231	5447
1019	2215	3055	4235	5819
1023	2219	3059	4239	5823
1027	2223	3403	4243	5827
1031	2227	3407	4247	5831
1035	2231	3411	4251	5835
1039	2235	3415	4255	5839
1043	2239	3419	4259	5843
1047	2243	3423	4607	
1051	2247	3427	4611	
1407	2251	3431	4615	
1411	2255	3435	4619	
1415	2259	3439	4623	
1419	2603	3443	4627	
1423	2607	3447	4631	
1427	2611	3451	4635	
1431	2615	3455	4639	
1435	2619	3459	4643	
1439	2623	3803	4647	
1443	2627	3807	4651	
1447	2631	3811	4655	
1451	2635	3815	5011	
1455	2639	3819	5015	

WPPSS QID #086001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Supply Purge TAG NUMBER CSP-DPIS-4 CSP-DPIS-5 CSP-DPIS-6 MANUFACTURER Barton MODEL NUMBER 288A COMPONENT Differential Pressure Indicating Switch FUNCTION/SERVICE Primary and Secondary Containment LOCATION: BLDG R ELEVATION 501 COLUMN L.4/9.3 N.0/5.1 N.0/4.8	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	7.9×10^4	3×10^6	3	4,5	Separate Test Engineering Analysis	None
	AGING	40 years	12 Years	2	4,5	Engineering Analysis	Note 1 None
	ACCURACY		1.5 FSPE		5	Simultaneous Test	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES x NO

Prepared by: [illegible] 8/28/82 Reviewed by: [illegible] 8/25/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-501F 4. QID File #086001 5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1, (QSR-027-01)	Qualified. 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1981

WPPSS QID #200009

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-68

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Supply Purge System TAG NUMBER CSP-LMS-1, 2	OPERATING TIME	6 months	Equivalent To >6 months	2	4,6	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	200	1	4	Simultaneous Test	None
MANUFACTURER NAMCO	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
MODEL NUMBER D2400X	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4	100	1	4	Simultaneous Test	None
COMPONENT Limit Switches	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
FUNCTION/SERVICE Limit Switches for CSP-V-1, 2	RADIATION (RAD)	1.5×10^6	2.5×10^6	3	5	Engineering Analysis	None
	AGING	40 years	Note 1	1			None
LOCATION: BLDG R ELEVATION 501 COLUMN M.5/7.6, M.5/7.4	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-501I 4. ACME-Cleveland Report, "Qualification of Namco Control Limit Switch Model EA-170", dated 3/17/78 5. QID No. 200009 6. NAMCO Controls, Limit Switches General Catalog, copyright 1979	Qualified 1. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

WP-1081

WPPSS QID #200015

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-68

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Supply Purge System TAG NUMBER CSP-LMS-3, 4, 5, 6, 9	OPERATING TIME	6 months	Equivalent To > 6 months	2	4,6	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	200	1	4	Simultaneous Test	None
MANUFACTURER NAMCO	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
MODEL NUMBER D2400X COMPONENT Limit Switches	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	1	4	Simultaneous Test	None
FUNCTION/SERVICE Limit Switches for CSP-V-1, 2, 3, 4, 5, 6, 9	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	4.4×10^7	2.5×10^6	3	5	Engineering Analysis	Note 1
	AGING	40 years	Note 2	1			None
LOCATION: BLDG R ELEVATION (See Note 3) COLUMN (See Note 3)	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES

1. FSAR Par. 3.11
2. WNP-2 Class 1E Equipment List dated September 1982
3. EDS Report 0740-004-471B, D
4. ACME-Cleveland Report, "Qualification of Namco Controls Limit Switch Model EA-170", dated 3/17/78
5. QID No. 200015
6. NAMCO Controls, Limit Switches General Catalog, copyright 1979

NOTES

1. Requalification options are currently being evaluated.
2. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by Oct. 15, 1982.

WP-1081

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

3.

Tag Number	Elevation	Column
CSP-LMS-3	481	M.6/7.6
4	478	M.6/7.6
5	475	M.7/8.3
6	480	M.5/7.7
9	490	M.9/5.1

WPPSS QID 248002,3

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Supply Purge TAG NUMBER CSP-POS-(See Note 1) MANUFACTURER Anderson, Greenwood & Co. MODEL NUMBER 04-3869-001 04-3869-002 COMPONENT Positioner FUNCTION/SERVICE Valve position indication LOCATION: BLDG R ELEVATION 491 475 COLUMN M.9/5.1 N.5/7.7 H.6/6.0	OPERATING TIME	6 months	Note 2	1			
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	4.4×10^7		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by Alan Seiber 9/4/82

Reviewed by Raymond Chi 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982. 2. FSAR Paragraph 3.11. 3. EDS Report #0740-004-471B,D,J	1. Tag # CSP-POS-10P1, 10P12, 10P2, 10P3, 10P4, 10P9, 7P1, 7P12, 7P2, 7P3, -7P4, 7P9, 8P1, 8P12, 8P2, 8P3, 8P4, 8P9 2. A documentation search is being performed to obtain qualification data. Requalification activities will be implemented, if required.

WP-1081

WPPSS QID #283041

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-213

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Supply Purge TAG NUMBER CSP-RLY-10CR, 7CR, 8CR	OPERATING TIME	6 months max	N/R	1	4	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal 106 accident	N/R	2	4	Note 1	None
MANUFACTURER Struthers Dunn, Inc.	PRESSURE (PSIA)	14.7	N/R	2	4	Note 1	None
MODEL NUMBER 219BBXP COMPONENT Relay	RELATIVE HUMITY (%)	40 normal 90 abnormal	N/R	2	4	Note 1	None
FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	6.2×10^3	N/R	3	4	Note 1	None
	AGING	40 years	Note 2	2	4	Note 2	None
LOCATION: BLDG R ELEVATION 471 COLUMN H.6/8.2	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 4/1/82 Reviewed by [illegible] 5/1/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-471H
4. EDI-4.8, Paragraph 5.1, I

NOTES

1. These components are located in isolated rooms serviced by Class I HVAC systems and the total radiation dose is less than 10^4 rad. Therefore, the area is a mild environment.
2. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

Qualified.

WP-1081

WPPSS QID #283017

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-213

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Supply Purge TAG NUMBER CSP-RLY-(See Note Below)	OPERATING TIME	6 months max	N/R	1	4	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal 107 accident	N/R	2	4	Note 1	None
MANUFACTURER R. B. Denison	PRESSURE (PSIA)	14.7	N/R	2	4	Note 1	None
MODEL NUMBER WE-74/EX-2 COMPONENT Relay	RELATIVE HUMITY (%)	40 normal 90 abnormal 90 accident	N/R	2	4	Note 1	None
FUNCTION/SERVICE Relays to control CSP-V-7,8,10	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	6.2×10^3	N/R	3	4	Note 1	None
	AGING	40 years	40 years	2	4	Note 2	None
LOCATION: BLDG R ELEVATION 471 COLUMN H.6/8.2	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 7/1/82 Reviewed by Raymond [illegible] 7/1/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, September 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-471H
4. EDI-4.8, Paragraph 5.1, I

NOTES

1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rad. Therefore, the area is a mild environment.
2. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

Qualified.
Tag Numbers:
CSP-RLY-10R1, 10R2, 10R5 CSP-RLY-7R1, 7R2, 7R5
CSP-RLY-8R1, 8R2, 8R3, 8R4, 8R5

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WPPSS QID315004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

PAGE NO: 76A
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Containment Supply Purge TAG NUMBER CSP-SPV-(See Note 2)	OPERATING TIME	6 months	>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Profile 4	Envelopes Profile 4 with >8C margin	2	4	Simultaneous Test Engineering Analysis	None
MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER WJHT 836A74	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
COMPONENT Solenoid Pilot Valve	RELATIVE HUMITY (%)	40 max normal 90 max abnormal Profile 4	(<90%)	2	6	Engineering Analysis	None
FUNCTION/SERVICE Solenoid Pilot for CSP-V-3	CHEMICAL SPRAY	N/A	N/A	2	6	N/A	None
	RADIATION (RAD)	5.0×10^5	6×10^5	3	5	Engineering Analysis	None
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
LOCATION: BLDG R ELEVATION See Note 2 COLUMN	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [signature]

Reviewed by: [signature]

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List dated 9/1/82 2. FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0 3. EDS Study 0740-004-471B (worst case) 4. Calculation QID315004-1 5. Calculation QID315004-2 6. Calculation QID315004-3	1. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life. Qualified

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	2. TAG NUMBERS -1 501 N/5.1 -10A 471 N/3.9 -10B 471 N/3.9 -2 501 L4/9.3 -3 471 N/3.9 -4 501 N/5.1 -5 501 N/5.1 -6 501 L4/9.3 -7A 471 N/3.9 -7B 471 N/3.9 -8A 471 H4/6.8 -8B 471 H4/6.8 -9 501 N.0/5.1

WPPSS QID #392001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-49

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-42-(see note 4) MANUFACTURER ITE Imperial MODEL NUMBER Various sizes COMPONENT Motor Starter FUNCTION/SERVICE Motor Starters LOCATION: BLDG R ELEVATION 522-N.0/3.8 COLUMN 572-M.5/6.0 522-H.7/8.3 471-H.7/7.8	OPERATING TIME	6 months	N/R	2	4	Note 1	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal 106 max. accident	N/R	1	4	Note 1	None
	PRESSURE (PSIA)	14.7	N/R	1	4	Note 1	None
	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal	N/R	1	4	Note 1	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	8.6×10^3	Note 2	3	5	Note 2	None
	AGING	40 years	Note 3	1	4	Note 3	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82

Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES

1. FSAR Para. 3.11
2. WNP-2 1E Equipment List, September 1982
3. EDS Reports 0740-004-522D, -572D and 471H
4. EDI-4.8, Paragraph 5.1, I.
5. Letter WPBR-RO-81-105, dated 7/29/81

NOTES

Qualified

1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment.
2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads.
3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	TAG NUMBERS E-42-CIA/V20 CIA/V30A FPC/V154 FPC/V156 FPC/V172 FPC/V181A LPCS/FCV11 LPCS/P2 LPCS/V1 LPCS/V12 LPCS/V5 MS/V67A, B, C MS/V67D MSLC/FN1 MSLC/V1A, B, C, D MSLC/V2A, B, C, D MSLC/V3A, B, C, D RCC/V21 RCC/V40 RCC/V5 RCIC/V13 RCIC/V64 RCIC/V69 RHR/FCV64A RHR/P3 RHR/V8 RHR/V11A RHR/V124A RHR/V134A RHR/V23 RHR/V53A, B RHR/V6A RRA/FN11, 12 RRC/V16A, B RWCU/V4 SLC/P1A SLC/V1A SW/V187A SW/V-24A SW/V44 SW/V75A, B

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	4. Tag Numbers

E-42-CAC/EHC1A,1B
CAC/FN1A,1B
CAC/1AFDR
CAC/1BFDR

FPC/V153
FPC/V173
FPC/V175
FPC/V181B
FPC/V184
MS/V16
MSLC/FN2
MSLC/V10
MSLC/V4
MSLC/V5
MSLC/V9
RHR/V24A,B
RHR/V26A
RHR/V27A
RHR/V3A,B
RHR/V4A,B,C
RHR/V42A,B,C
RHR/V47A,B
RHR/V48A,B
RHR/V49
RHR/V52A,B
RHR/V6B
RHR/V68A,B
RHR/73A,B
RHR/74A,B
RHR/V87A,B
RHR/V9
SLC/V1B
SW/V187B
SW/V24B,C

RCC/V104
RCC/V129
RCIC/V63
RCIC/V76
RHR/FCV64B,C
RHR/V11B
RHR/V115
RHR/V116
RHR/V123A,B
RHR/V124B
RHR/V125A,B
RHR/V134AB
RHR/V16A,B
RHR/V17A,B
RHR/V21
RRA/FN1,10,13,14,15,17,20,3,6
RWCU/V1
SGT/EHC1B1
SGT/FN1A1,1A2,1B1,1B2
SGT/V1A,B
SGT/V3A1,2
SGT/V3B1,2
SGT/V4A1,2
SGT/V4B1,2
SGT/V5A1,2
SGT/V5B1,2
SGT/EHC1A2
SGT/EHC1B1,2
SLC/P1B
RHR/V43
RHR/V4A
RHR/V4B
OBLGT/CP
ELP/7BA
ELP/7BB
ELP/8BA
ELP/8BB
TT/TV

WPPSS QID #035024

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-49

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Electrical TAG NUMBER: E-CB-MC7BA, E-CB-MC7BB, E-CB-MC8BA, E-CB-MC8BB MANUFACTURER: ITE Imperial MODEL NUMBER: See note 3 COMPONENT: Circuit Breaker FUNCTION/SERVICE: MCC 7 B, MCC 8 B LOCATION: BLDG R, ELEVATION 522, COLUMN H.4/8.1 N.0/3.8	OPERATING TIME	6 months	N/A	1	4	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal 106 accident	N/A	2	4	Note 1	None
	PRESSURE (PSIA)	14.7	N/A	2	4	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal	N/A	2	4	Note 1	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	7.71×10^3	N/A	3	4	Note 1	None
	AGING	40 years	Note 2	2	4	Note 2	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82

Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-522N
4. EDI-4.8, Paragraph 5.1, I

NOTES

Qualified
1. The equipment is located in an isolated room serviced by Class 1 HVAC and the radiation is less than 10^4 rad. Therefore, the area is a mild environment.
2. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	3. Tag Number / M/N E-CB-MC7BA E-CB-MC7BB E-CB-MC8BA Type M E-CB-MC8BB Type M

WPPSS QID #035007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-47A

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-CB-RPT3A -RPT3B -RPT4A -RPT4B MANUFACTURER Westinghouse MODEL NUMBER 24Y9836B11 COMPONENT Circuit Breaker FUNCTION/SERVICE (Note 2) LOCATION: BLDG R ELEVATION (Note 2) COLUMN (Note 2)	OPERATING TIME	6 months		1			Note 1
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal Accident Profile 4		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5		3			
	AGING	40 years		2			
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 11/1/82 Reviewed by: [illegible] 11/3/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-522H

NOTES

1. Failure modes are being evaluated for this component. Preliminary results of the evaluation indicate the component will not fail in a manner detrimental to plant safety.
2.

Tag Number	Function/Service	Elev.	Column
E-CB-RPT3A	Dual Trip Brkr to	471	L/9.0
RPT4A	RRC-P-1A	522	M8/7.4
RPT3B	Dual Trip Brkr to	471	K3/9.0
RPT4B	RRC-P-1B	522	M.7/6.8

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WPPSS QID #036002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2802-62 B

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-CBL-(Note 1) MANUFACTURER Raychem MODEL NUMBER Note 1 COMPONENT Electrical Cable FUNCTION/SERVICE Conduct Current LOCATION: BLDG General Plant ELEVATION COLUMN	OPERATING TIME	6 months	Equivalent to 76 months	1	4,6	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	135 Max Normal 150 Max Abnormal See Profile 1 Accident	See Enclosed Profile	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 Normal 16.7 Abnormal See Profile 1 Accident	See Enclosed Profile	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	55 Normal 90 Abnormal Accident Profile 2	100	2	4,5	Simultaneous Test	None
	CHEMICAL SPRAY	Demineralized Water Spray	Chemical Spray	2	4	Simultaneous Test	None
	RADIATION (RAD)	4.4×10^7	2×10^8	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4,6	Sequential Test and Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond Chi 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. FSAR Table 3.11-4 4. Tests of Raychem Thermofit Insulation Systems Under Simultaneous Exposure of Heat, Gamma Radiation, Steam and Chemical Spray. FIRL Report C4033-3, dated 1/75. 5. Raychem Report RABR-62B-75-028 Trans. 187-36B 6. QID# 036002	Qualified

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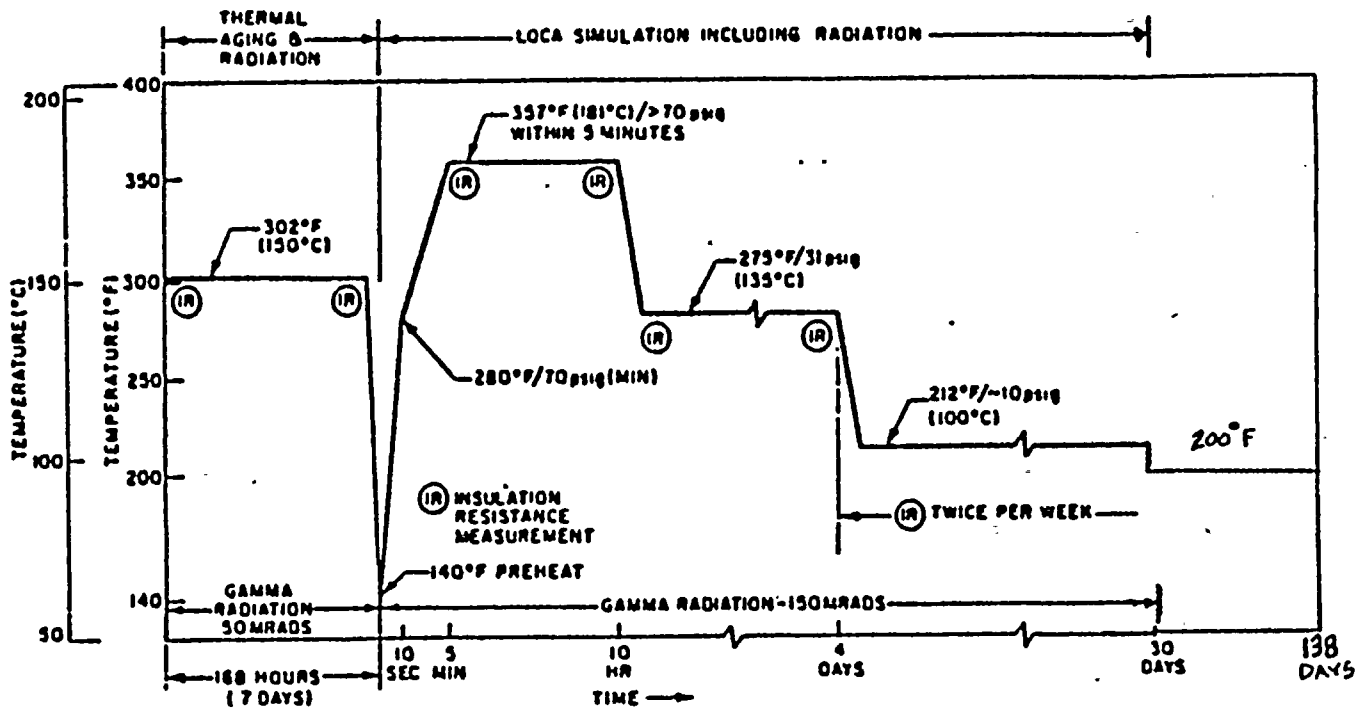
DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	1. Tag Number / M/N E-CBL-G2/1 W1TC12B6 -H1/1 J2TC10B10 -K2/1 60/7174-20 -J2/1 F6T2KX18A6 -J3/1 F2T2JX16A6 -J4/1 F2EX16A6 -K1/1 J2TC14B6C1 -H4/3 60/7176-14 -J1/1 F2T2X16A6 -H3/1 F5TC10B10 -H4/1 FB/2TC16B10 -K3/3 W1TC20B20 -K4/1 60/7237 -L1/1 F1TC1686 -L1/2 J3T1TC16B6 -L1/3 J3T1TC12B10 -L2/1 J12T2TC20B6 -L4/1 B12C20B10 -M1/21 7521D3330 -M4/22 10483 -M5/22 10481 -M6/26 10567 R.F: -M7/18 10566 R.F. -X100A/01 10496-750HM -X100A/02 10495-1350HM -G1/1 W1TC750B10 -G/14 60/7175



RAYCHEM CABLE

WPPSS QID #036001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2802-62A

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-CBL-C/8 C/9 B/4 A/1 MANUFACTURER Okonite MODEL NUMBER 115-21-3180 115-21-3182 114-21-1013 COMPONENT 115-21-1029 Electrical Cable FUNCTION/SERVICE 14.4kV Power Cable 14.4kv Power Cable 4.16kv Power Cable 6.9kv Power Cable LOCATION: BLDG All ELEVATION COLUMN	OPERATING TIME	6 months	Equivalent to 76 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	135 Max Normal 150 Max Abnormal See Profile 1 Accident	See Enclosed Profile	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 Normal 16.7 Abnormal See Profile 1 Accident	See Enclosed Profile	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	55 Normal 90 Abnormal Accident Profile 2	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	Demineralized Water Spray	Chemical and Water Spray	2	4,5	Simultaneous test and Engineering Analysis	None
	RADIATION (RAD)	4.4×10^7	2.0×10^8	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4,5	Sequential Test and Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] Reviewed by [illegible] 8/27/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. FSAR Table 3.11-4 4. Okonite Engineering Report No. 266, dated 7/17/75 5. QID #036001	Qualified

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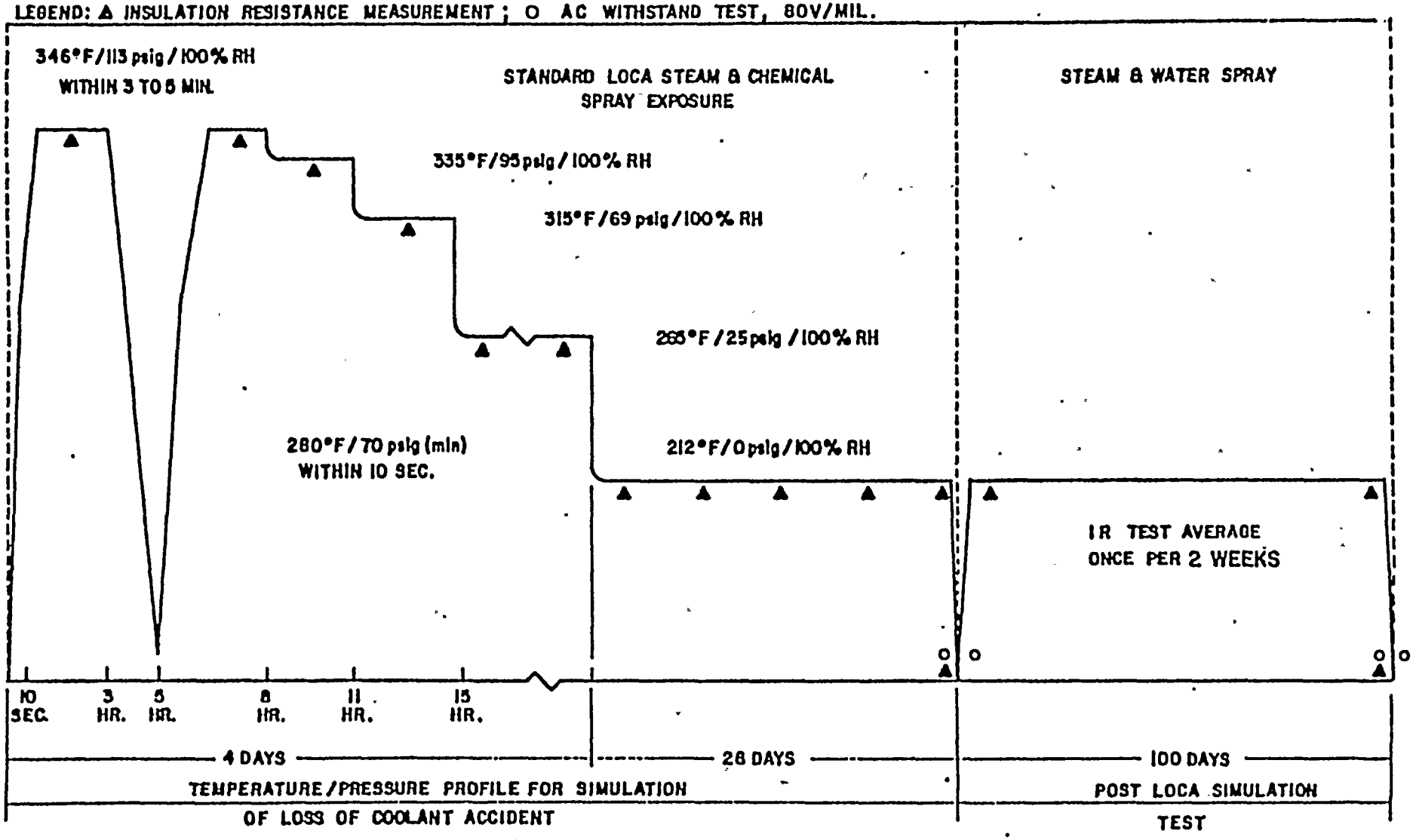
FIGURE II CABLE QUALIFICATION TEST PROFILE FOR LIFE & LOCA CONDITIONS

LEGEND: ▲ INSULATION RESISTANCE MEASUREMENT ; O AC WITHSTAND TEST, 80V/MIL.



OKONNITE CABLE

WPPSS QID #036002,3

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2802-62C

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Eletrical TAG NUMBER E-CBL-Note 1 MANUFACTURER Rockbestos MODEL NUMBER Note 1 COMPONENT Electrical Cable FUNCTION/SERVICE Note 1 LOCATION: BLDG All ELEVATION COLUMN	OPERATING TIME	6 months	Equivalent To 76 months	1	4,5,6	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	135 Max Normal 150 Max Abnormal See Profile 1 Accident	See Enclosed Profile	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 Normal 16.7 Abnormal See Profile 1 Accident	See Enclosed Profile	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	55 Normal 90 Abnormal Accidental Profile 2	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	Demineralized Water Spray	Boric Acid Spray	2	4,6	Simultaneous Test Engineering Analysis	None
	RADIATION (RAD)	4.4×10^7	2.0×10^8	3.	4	Sequential Test	None
	AGING	40 years	40 years	2	4,6	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 11/1/82 Reviewed by: Ali Nasiem 8/23/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. FSAR Table 3.11-4 4. Rockbestos Report "Qualification of Firewall III Class 1E Electric Cable" and associated documents, revised 9/25/80 5. "A Review of Class 1E Electrical Cable Qualification Data" FIRL Report No. F-C4598-1, dated 5/77, Table 2-1 6. QID #036002,3	Qualified See Next Page

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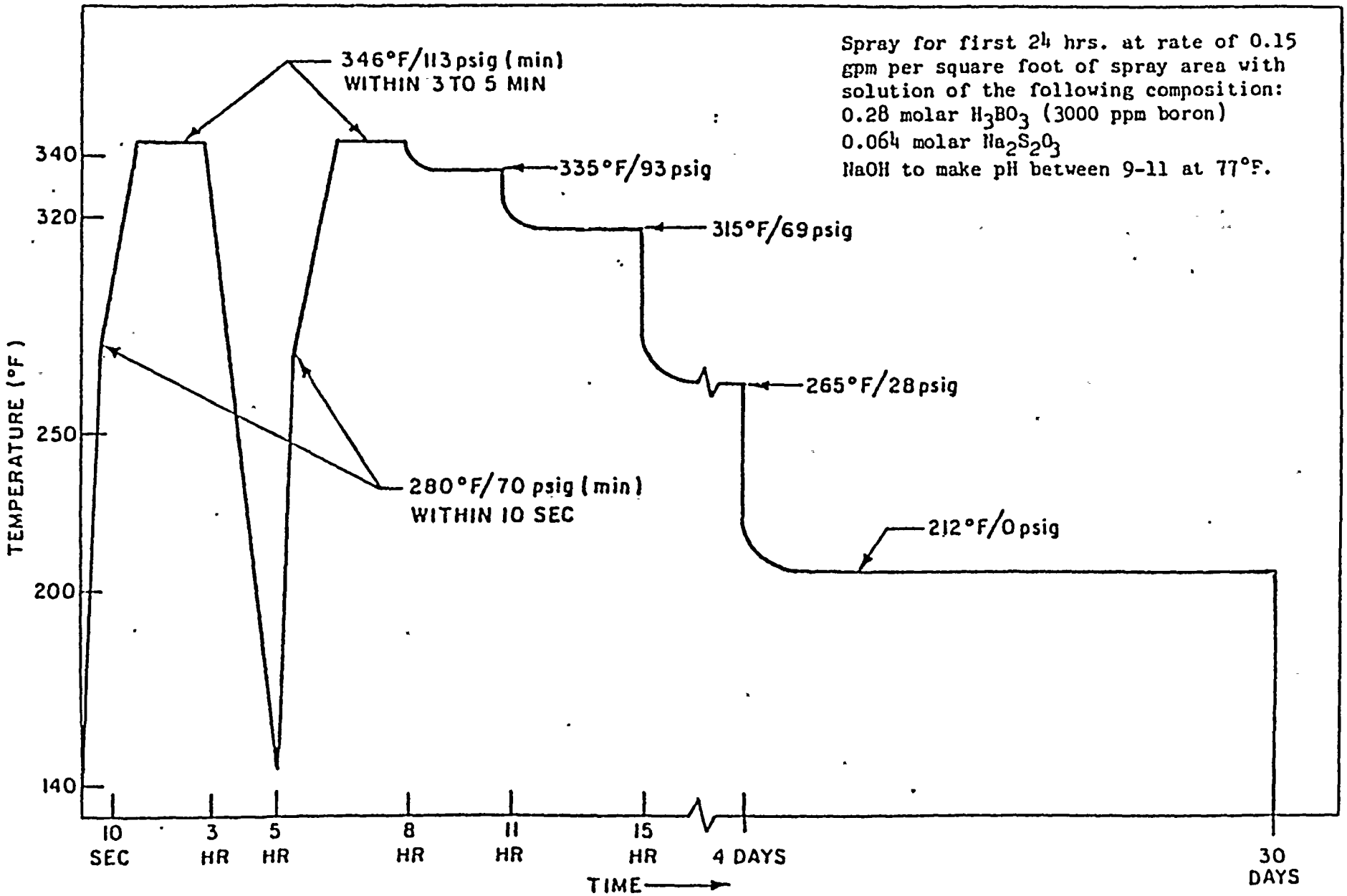
DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

1.

TAG #	M/N	FUNCTION
E-CBL-J1/1/C	I67-3154	T/C Cable
E-CBL-K2/1/C	I46-3633	T/C, Control Rod indication cable
E-CBL-H1/9	C52-3220	120 Vac & 125 Vdc Control Cable
E-CBL-H4/1/C	I46-3632	Instrument Cable .
E-CBL-G1/14/C	P62-3298	480 Vac and 250 VDC
E-CBL-G1/5/C	P62-3289	Power Cable
E-CBL-K1/1/C	C53-3244	Indication, Annunciation, SV and Logic Control Cable

Prepared By: [illegible] 8/25/82
Reviewed By: [illegible]

LOCA Profile



ROCKBESTOS CABLE

LOCA PROFILE

WPPSS QID #049001,049002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-55

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical System TAG NUMBER E-CONN-X100 A-D/01 E-CONN-X100 A-D/02 MANUFACTURER Amphenol MODEL NUMBER 82-503 28650 COMPONENT ... /01-JACK ... /02-PLUG FUNCTION/SERVICE Electrical Connectors LOCATION: BLDG C ELEVATION 507 COLUMN Radius 40 AZ: 98 ,102,315,322	OPERATING TIME	6 months	Equivalent To >6 months	1	3	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	135 Max Normal 150 Max Abnormal Profile 1 Accident	340	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 Normal 16.7 Abnormal Profile 1 Accident	119	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	55 Normal 90 Abnormal Accident Profile 2	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	Demineralized Water	Note 1	2	5	Engineering Analysis	None
	RADIATION (RAD)	7.7×10^7	7.7×10^7	2	5	Engineering Analysis	None
	AGING	40 years	40 years	2	5	Engineering Analysis	None
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond Chi 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. W Test Report, PEN-ACD-5-72-03 4. Addendum to W Report #PEN-ACD-4-72-03, dated 5/4/76. 5. QID No. 049001	Qualified 1. The electrical connectors are located inside the inboard penetration enclosure and are, therefore, not exposed to demineralized water spray. 2. The components are currently being retested to verify qualification.

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WPPSS QID #049006

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-CONN-X-102A/01 -X-102B/01 MANUFACTURER AMP MODEL NUMBER 34130 COMPONENT Parallel Splice Connector FUNCTION/SERVICE Splice Wires LOCATION: BLDG C ELEVATION 534 COLUMN 185 & 219 Az	OPERATING TIME	4320 hours	N/R (solid metal)	1	2,4	Engineering Analysis	None
	TEMPERATURE (F)	135 max. normal 150 max. abnormal Accident Profile 1	N/R (solid metal)	1	2,4	Engineering Analysis	None
	PRESSURE (PSIA)	17 max. normal Accident Profile 1	N/R (solid metal)	1	2,4	Engineering Analysis	None
	RELATIVE HUMITY (%)	55 max. normal 90 max. abnormal Accident Profile 2	100 (salt fog)	1	3	Separate Effect	None
	CHEMICAL SPRAY	Deionized water	Salt fog	1	3	Separate Effect	None
	RADIATION (RAD)	4.0×10^7	N/R (solid metal)	1	2,4	Engineering Analysis	None
	AGING	40 years	N/R (solid metal)	1	2,4	Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] Reviewed by: [illegible] 5/25/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. AMP Catalog No. 2005-8, 2/81 3. AMP technical report ELR221-11, 5/24/70 4. QID #049006	Qualified.

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WPPSS QID #049007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-CONN-102A/02 -102B/02 MANUFACTURER Raychem MODEL NUMBER WCSF-N COMPONENT Shrink Tube FUNCTION/SERVICE Insulate and Protect Solistrand Splice Connectors LOCATION: BLDG C ELEVATION 534 COLUMN 185 & 219 Az	OPERATING TIME	6 months	Equivalent to > 6 months	1	2,4	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	135 max. normal 150 max. abnormal accident--profile 1	See enclosed profile	1	2	Simultaneous Test	None
	PRESSURE (PSIA)	17 max. normal accident--profile 1	See enclosed profile	1	2	Simultaneous Test	None
	RELATIVE HUMITY (%)	55 max. normal 90 max. abnormal Accident profile 2	100	1	2	Simultaneous Test	None
	CHEMICAL SPRAY	Demineralized water	50 ppm hydrazene to pH 10.5 with trisodium phosphate	1	2	Simultaneous Test	None
	RADIATION (RAD)	7.0×10^7	2×10^8	1	2	Sequential Test	None
	AGING	40 years	40 years	1	2,3,4	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82

Reviewed by: [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Wyle 58442-1, 5/15/80 } BWR 123-A-01 3. Raychem EDR2001, 8/10/78 } 4. QID #049007	Qualified

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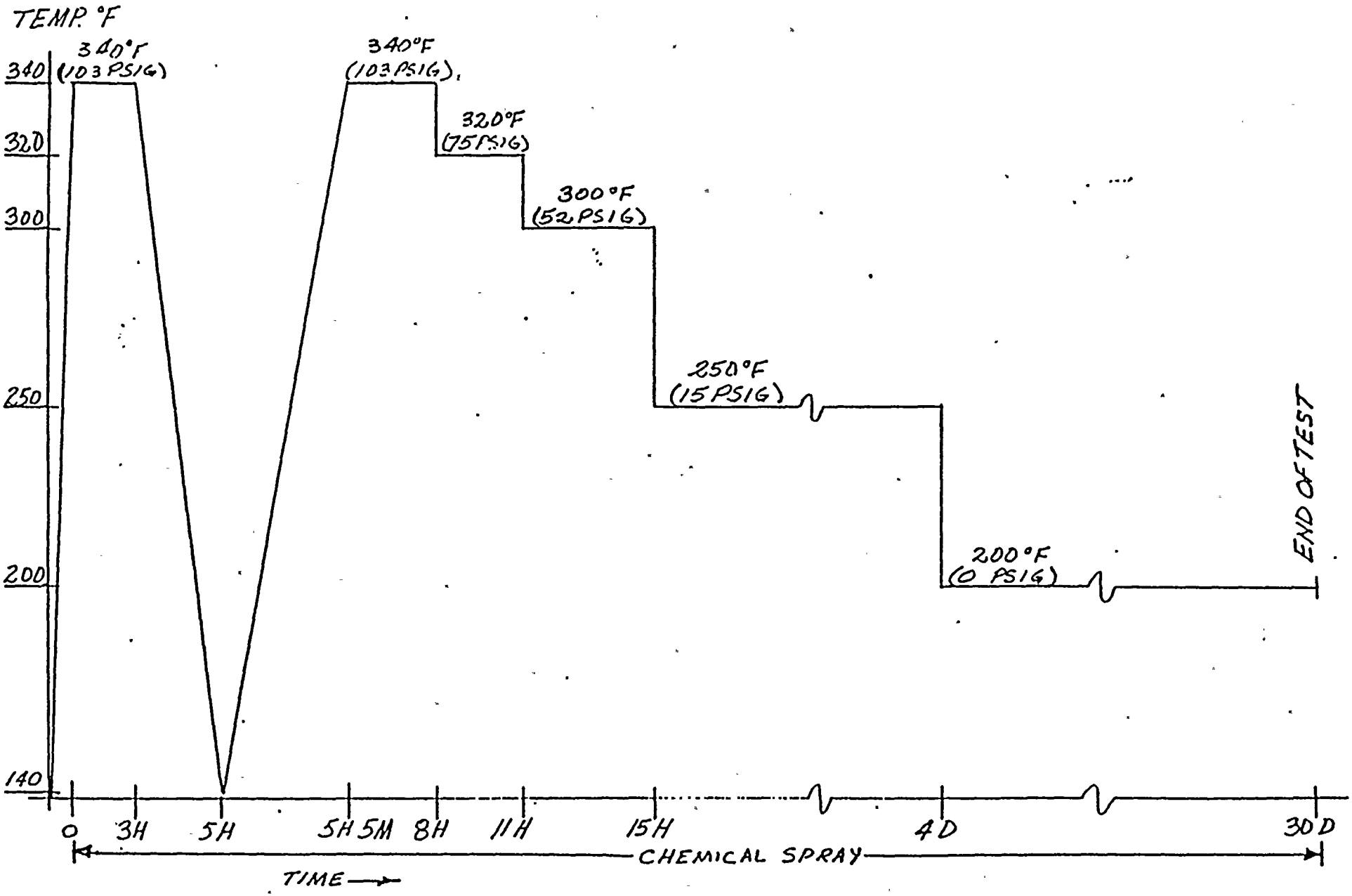

ENVIRONMENTAL QUALIFICATION TEST PROFILE FOR RAYCHEM SPLICES

WPPSS QID #050106

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-CP-CAC/HR1A -CAC/HR1B	OPERATING TIME	6 months	N/R	2	N/A	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	N/R	1	N/A	Note 1	None
MANUFACTURER Air Products	PRESSURE (PSIA)	14.7	N/R	1	N/A	Note 1	None
MODEL NUMBER S/N P-2040, P-2041 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	N/R	1	N/A	Note 1	None
Control Panel FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/R	1	N/A	Note 1	None
House Components	RADIATION (RAD)	5.7×10^4	N/R	3	N/A	Note 1	None
	AGING	40 years	N/R	1	N/A	Note 1	None
LOCATION: BLDG R ELEVATION 575 COLUMN M.4/5.8 M.7/8.5	ACCURACY	N/A	N/R		N/A	Note 1	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond Chi 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 Class IE Equipment List dated September 1982 3. EDS Study 0740-004-572D, H	Qualified 1. The control panels are metallic and are not subject to environmental degradation.

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WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-CP-VB/1A MANUFACTURER MODEL NUMBER COMPONENT Control Panel FUNCTION/SERVICE Vac Brkr Rly Pnl LOCATION: BLDG R ELEVATION 471 COLUMN H7/8.3	OPERATING TIME	6 months	N/R	1	N/A	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal 106 max accident	N/R	2	N/A	Note 1	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 90 accident	N/R	2	N/A	Note 1	None
	CHEMICAL SPRAY	N/A	N/R	2	N/A	Note 1	None
	RADIATION (RAD)	6.2×10^3	N/R	3	N/A	Note 1	None
	AGING	40 years	N/R	2	N/A	Note 1	None
	ACCURACY	N/A	N/R		N/A	Note 1	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/8/82 Reviewed by: [illegible] 9/7/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-471H	Qualified 1. The control panels are metallic and are not subject to environmental degradation.

WP-1081

WPPSS QID #117004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-49

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Electrical TAG NUMBER: E-EMSQ-CACFN1B, E-EMSQ-SGTFN1A2 MANUFACTURER: ITE Imperial MODEL NUMBER: 5641-DBDAR, 5641-DACAB COMPONENT: Mean Square Voltage Device FUNCTION/SERVICE	OPERATING TIME	6 months	N/A	1	4	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal 106 accident	N/A	2	4	Note 1	None
	PRESSURE (PSIA)	14.7	N/R	2	4	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal	N/A	2	4	Note 1	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.7×10^4	Note 2	3	5	Note 2	Note 2
	AGING	40 years	Note 3	2	N/A	Note 3	None
LOCATION: BLDG R ELEVATION 572 COLUMN M.7/8.2	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 7/1/8.

Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-572H
4. EDI-4.8, Paragraph 5.1, I
5. Letter WPBR-RO-81-105, dated 7/29/81

NOTES

1. This area is serviced by a Class 1 HVAC system, therefore, it is a mild environment for these service conditions.
2. The doors to this room are being modified to make the area a mild environment (TID < 10^4 rad.).
3. Aging of equipment in mild environments is adequately addressed in current maintenance and surveillance procedures.

Qualified

WP-1081

WPPSS QID #185002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-IR-(note 2) MANUFACTURER JELCO Inc MODEL NUMBER N/A COMPONENT Instrument Rack FUNCTION/SERVICE Support Class IE Instruments LOCATION: BLDG R ELEVATION COLUMN Various Locations	OPERATING TIME	6 months	N/R	1	N/A	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident-Various Profiles	N/R	2	N/A	Note 1	None
	PRESSURE (PSIA)	14.7 Normal Accident-Various Profiles	N/R	2	N/A	Note 1	None
	RELATIVE HUMITY (%)	40 max normal 90 max abnormal 100 max accident	N/R	2	N/A	Note 1	None
	CHEMICAL SPRAY	N/A	N/R	2	N/A	Note 1	None
	RADIATION (RAD)	1.1×10^7	N/R	3	N/A	Note 1	None
	AGING	40 years	N/A	2	N/A	N/A	None
	ACCURACY	N/A	N/A	N/A		N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chin 8/27/82 Reviewed by: Ali Naderi 8/28/82

DOCUMENTATION REFERENCES

1. WNP-2 Class IE Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-002-472L (Worst Case Rad Levels)

NOTES

1. The instrument racks are metallic. Therefore, the instrument racks are not susceptible to the environmental conditions. Qualified.
2. Tag Numbers:

E-IR-61	E-IR-66	E-IR-71
-62	-67	-72
-63	-68	-73
-64	-69	-74
-65	-70	

WP-1081

WPPSS QID #185003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:2808-02

MPL:
PPD:

REVISION:2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-IR-(note 2) MANUFACTURER GE MODEL NUMBER COMPONENT Instrument Rack FUNCTION/SERVICE Support Class 1E Instruments LOCATION: BLDG R ELEVATION COLUMN Various Locations	OPERATING TIME	6 months	N/R	1	N/A	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident-Various Profiles	N/R	2	N/A	Note 1	None
	PRESSURE (PSIA)	14.7 Normal Accident-Various Profiles	N/R	2	N/A	Note 1	None
	RELATIVE HUMITY (%)	40 max normal 90 abnormal 100 accident	N/R	2	N/A	Note 1	None
	CHEMICAL SPRAY	N/A	N/R	2	N/A	Note 1	None
	RADIATION (RAD)	1.1×10^7	N/R	3	N/A	Note 1	None
	AGING	N/A	N/A		N/A	N/A	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/22/82 Reviewed by: Raymond [illegible] 9/29/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-002-422L (worst case)

NOTES

1. The instrument racks are metallic. Therefore, the instrument racks are not susceptible to the environmental conditions. Qualified.
2. Tag Numbers

E-IR-P001	E-IR-P008	E-IR-P017	E-IR-P025	E-IR-P031
-P002	-P009	-P018	-P026	-P032
-P004	-P010	-P021	-P027	-P033
-P005	-P011	-P022	-P029	-P039
-P006	-P015	-P024	-P030	-P040

WP-1081

WPPSS QID #216001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-49

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Electrical TAG NUMBER: E-MC-7B, 7BA -S2/1A MANUFACTURER: ITE Imperial Corp. MODEL NUMBER: 5G40VB-111C108-C1090 COMPONENT: MCC FUNCTION/SERVICE: Motor Starters LOCATION: BLDG R ELEVATION 522,471 COLUMN H.5/8.3, H.7/8.3, H.7/7.8	OPERATING TIME	6 months max	N/R	1	4	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal 106 accident	N/R	2	4	Note 1	None
	PRESSURE (PSIA)	14.7	N/R	2	4	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal	N/R	2	4	Note 1	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	6.7×10^3	N/R	3	4	Note 1	None
	AGING	40 years	Note 2	2	4	Note 2	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82

Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-522N 4. EDI-4.8, Paragraph 5.1, I	1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rad. 2. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures. Qualified.

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WPPSS QID #216001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-49

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Electrical TAG NUMBER: E-MC-8B, 8BA, 8BB, 7BB MANUFACTURER: ITE Imperial Corp. MODEL NUMBER: 5640VA-111SPL-C1090, 5640VC-111SPL-C1090, 5640VB-111SPL-C1090 COMPONENT: MCC FUNCTION/SERVICE: Motor Starter LOCATION: BLDG R ELEVATION: 522,572 COLUMN: N/3.5, N/3.9, M.7/8.2, M.5/5.6	OPERATING TIME	6 months max	N/R	1	4	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal 106 accident	N/R	2	4	Note 1	None
	PRESSURE (PSIA)	14.7	N/R	2	4	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal	N/R	2	4	Note 1	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	Note 1	None
	RADIATION (RAD)	9.1×10^3	Note 2	3	5	Note 2	None Note 2
	AGING	40 years	Note 3	2	4	Note 3	Note 3 None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82

Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Reports 0740-004-522D, 572D, 572H
4. EDI-4.8, Paragraph 5.1, I
5. Letter WPBR-RO-81-105, dated 7/29/81

NOTES

Qualified

1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation does is less than 10^4 rads. Therefore, the area is a mild environment.
2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads.
3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

WP-1081

WPPSS QID #252002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-PP-7AE E-PP-8AE MANUFACTURER Square D MODEL NUMBER QM-02653-28EE6 (QMB) COMPONENT Power Panel FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 474 COLUMN N.2/9.3 N/8.5	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,9		2			
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	7.1×10^4		3			
	AGING	40 years		1			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-474D	1. Qualification data for these components has recently been reviewed and is currently being evaluated. Requalification by test or replacement will be performed, if necessary.

WP-1081

WPPSS QID #283041

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-49

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Electrical TAG NUMBER: E-RLY- (see following page) MANUFACTURER: Struthers Dunn, Inc. MODEL NUMBER: 219BBXP COMPONENT: Relay FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 575 COLUMN N.0/3.5, H.7/8.3 H.4/5.8, N.7/8.2	OPERATING TIME	6 months max	N/R	1	4	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal 106 accident	N/R	2	4	Note 1	None
	PRESSURE (PSIA)	14.7	N/R	2	4	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal	N/R	2	4	Note 1	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	9.1×10^3	Note 2	3	5	Note 2	None
	AGING	40 years	Note 3	2	4	Note 3	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982.
2. FSAR Paragraph 3.11
3. EDS Reports 0740-004-522D, 572D, 572H
4. EDI-4.8, Paragraph 5.1, I
5. Letter WPBR-RO-81-105, dated 7/29/81

NOTES

Qualified
1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment.
2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads.
3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	Tag Numbers: E-RLY-LPCSFCV11 -LPCSV1 -LPCSV12 -LPCSV5 -MSLCHTRA -MSLCHTRB -MSLCHTRC -MSLCHTRD -MSLCV1A -MSLCV1B -MSLCV1C -MSLCV1D -MSLCV2A -MSLCV2B -MSLCV2C -MSLCV2D -MSLCV3A -MSLCV3B -MSLCV3C -MSLCV3D E-RLY-RHRV11A -RHRV24A -RHRV26A -RHRV27A -RHRV3A -RHRV4A -RHRV42A -RHRV53A, B -RHRV6A -SLCP1A -SLCV1A -SWV44

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	TAG NUMBERS E-RLY-CACFN1A CACFN1B MSLCV10 MSLCV12 MSLCV4 MSLCV5 MSLCV9 RCICV63 RHRV11B RHRV16A, B RHRV17A, B RHRV21 RHRV26B RHRV27B RHRV4B, C RHRV42B, C RHRV47A, B RHRV48A, B RHRV52A, B RHRV6B RHRV68A, B RHR87A, B RHRV9 SGT/5A2 SGTEHC1A2, 1B2 SGTEH1A1, 1B1 SGTFN1A1, 1A2 SGTFN1B1, 1B2 SGTTK281 SGTV1A SGTV3A1, A2, B1, B2 SGTV4A1, A2, B1, B2 SGTV5A1, A2, B1, B2 SLCP1B

WPPSS QID #305001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-47A

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-SH-10+ -11+ -12+ - 9+	OPERATING TIME	6 months		1			Note 1
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4,11,9		2			
MANUFACTURER Westinghouse	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9,11		2			
MODEL NUMBER 75-DHP-500 COMPONENT 6.4KV Switchgear	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident		2			
FUNCTION/SERVICE (Note 2)	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION (Note 2) COLUMN (Note 2)	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82

Reviewed by: Raymond Chin 9/3/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated 9/82
2. FSAR Paragraph 3.11
3. EDS Report #0740-004-522H

NOTES

1. Failure modes are being evaluated for this component. Preliminary results of the evaluation indicate the component will not fail in a manner detrimental to plant safety.
2.

Tag Number	Function/Service	Elev.	Column
E-SH-10+	Switchgear 10+	471	L2/9.0
-11+	11+	522	M8/7.4
-12+	12+	522	M5/8.0
- 9+	9+	471	K3/9.0

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WPPSS QID #349004, 7

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-TR-7BA -7BB -8BB MANUFACTURER Square D Sorgel Transformer MODEL NUMBER 122091-3 124176-12 COMPONENT Transformer FUNCTION/SERVICE ELP-7B-A Transformer ELP-7B-B Transformer LOCATION: BLDG R ELEVATION 606,478, 473 COLUMN J.6/3.7; H4/3.8 N.0/3.8	OPERATING TIME	24 Hours	Equivalent to 5,000 hours	1	4	Engineering Analysis	None
	TEMPERATURE (F)	90 Maximum Normal 104 Maximum Abnormal Accident Profile 9	165	2	4	Engineering Analysis	None
	PRESSURE (PSIA)	14.7 Normal Accident Profile 9	Accident Profile 9	2	4	Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Maximum Normal 90 Maximum Abnormal 100 Accident	100	2	4	Engineering Analysis	Note 1
	CHEMICAL SPRAY	N/A	N/R	2	N/A	N/A	None
	RADIATION (RAD)	5.0×10^5	1.0×10^6	3	4	Engineering Analysis	None
	AGING	40 Years	6.4 Years	2	4	Maintenance	Note 2
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By: [illegible] Reviewed By: [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class IE Equipment list, dated September 1982. 2. FSAR Par. 3.11. 3. EDS Study 0740-004-471A 4. Calculations in QID #349004, 7	Qualified. 1. Transformer will be energized during 100% humidity exposure. 2. Neoprene mounting pads of polyester varnish insulation are subject to thermal aging & maintenance/surveillance.

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WPPSS QID #352001
352002
352003
352004

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-55

MPL:
PPD:

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-TRB-(Note 3) MANUFACTURER See Note 3 MODEL NUMBER See Note 3 COMPONENT Terminal Block FUNCTION/SERVICE See Note 3 LOCATION: BLDG C ELEVATION (Note 2) COLUMN (Note 2)	OPERATING TIME	6 months	Note 1	1	4		
	TEMPERATURE (F)	135 Max Normal 150 Max Abnormal See Profile 1 Accident		2			
	PRESSURE (PSIA)	14.7 Normal 16.7 Abnormal See Profile 1 Accident		2			
	RELATIVE HUMITY (%)	55 Normal 90 Abnormal Accident Profile 2		2			
	CHEMICAL SPRAY	Demineralized Water		2			
	RADIATION (RAD)	7.0×10^7		3			
	AGING	40 years		2			
	ACCURACY	N/A		N/A			

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond Chi 9/3/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. FSAR Table 3.11-4
4. Letter No. WPBR-F-82-26

NOTES

1. These terminal blocks being replace with equivalent pieces from Weidmuller. They have been qualifed to IEEE standard 323-74.

2.

Tag Number	Elevation	Azimuth
E-TRB-X104A/01	501	109D
-104B/01	501	110D

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DOCUMENTATION REFERENCES (Cont'd)

NOTES (Cont'd)

2.

Tag Number	Elevation	Azimuth
E-TRB-X104C/01	522	188D
-104D/01	522	223D
-107A/01	501	52D
-107B/01	441	150D
-105A/01	501	100D
-105A/02	501	100D
-105B/01	501	135D
-105B/02	501	135D
-105C/01	523	195D
-105C/02	523	195D
-105D/01	501	225D
-105D/02	501	225D
-107A/02	501	52D
-107B/02	441	135D

3. (TB=Terminal Block)

Manufacturer	Tag Number	M/N	Function/Service
Curtis Industries	E-TRB-X104A/01	BT-17	TB for X-104A
Curtis Industries	-104B/01	BT-17	TB for X-104B
Curtis Industries	-104C/01	BT-17	TB for X-104C
Curtis Industries	-104D/01	BT-17	TB for X-104D
Curtis Industries	-107A/01	BT-15	TB for X-107A
Curtis Industries	-107B/01	BT-15	TB for X-107B
TRW-Cinch	-105A/01	27-541	TB for X-105A
TRW-Cinch	-105A/02	13-541	TB for X-105A
TRW-Cinch	-105B/01	27-541	TB for X-105B
TRW-Cinch	-105B/02	13-541	TB for X-105B
TRW-Cinch	-105C/01	27-541	TB for X-105C
TRW-Cinch	-105C/02	13-541	TB for X-105C
TRW-Cinch	-105D/01	27-541	TB for X-105D
TRW-Cinch	-105D/02	13-541	TB for X-105D
TRW-Cinch	-107A/02	25-541	TB for X-107A
TRW-Cinch	-107B/02	25-541	TB for X-107B

WPPSS QID #382003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-55

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Electrical TAG NUMBER E-X-(see note 2) MANUFACTURER Westinghouse MODEL NUMBER 55-00-0002 COMPONENT Primary Containment Penetration FUNCTION/SERVICE (Note 2) LOCATION: BLDGC ELEVATION (Note 2) COLUMN (Note 2)	OPERATING TIME	6 months	Equivalent To >6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	135 Max Normal 150 Max Abnormal Profile 1 Accident	See Enclosed Profile	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 Normal 16.7 Abnormal Profile 1 Accident	See Enclosed Profile	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	55 Normal 90 Abnormal Accident Profile 2	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	Demineralized Water Spray	Note 3	2		Engineering Analysis	None
	RADIATION (RAD)	7.0×10^7	8×10^7	3	4	Sequential Test and Engineering Analysis	None
	AGING	40 years	Note 1	2		Preventive Maintenance	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1 Equipment List, dated September 1982. 2. FSAR Paragraph 3.11 3. FSAR Table 3.11-4 4. The Qualification of a Modular Type Electrical Penetration Following the Requirements of IEEE STDS 317-1972 and 323-1974, W Report No. PEN-TR-75-19, dated 9/11/75. 5. QID File No. 382003	Qualified 1. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

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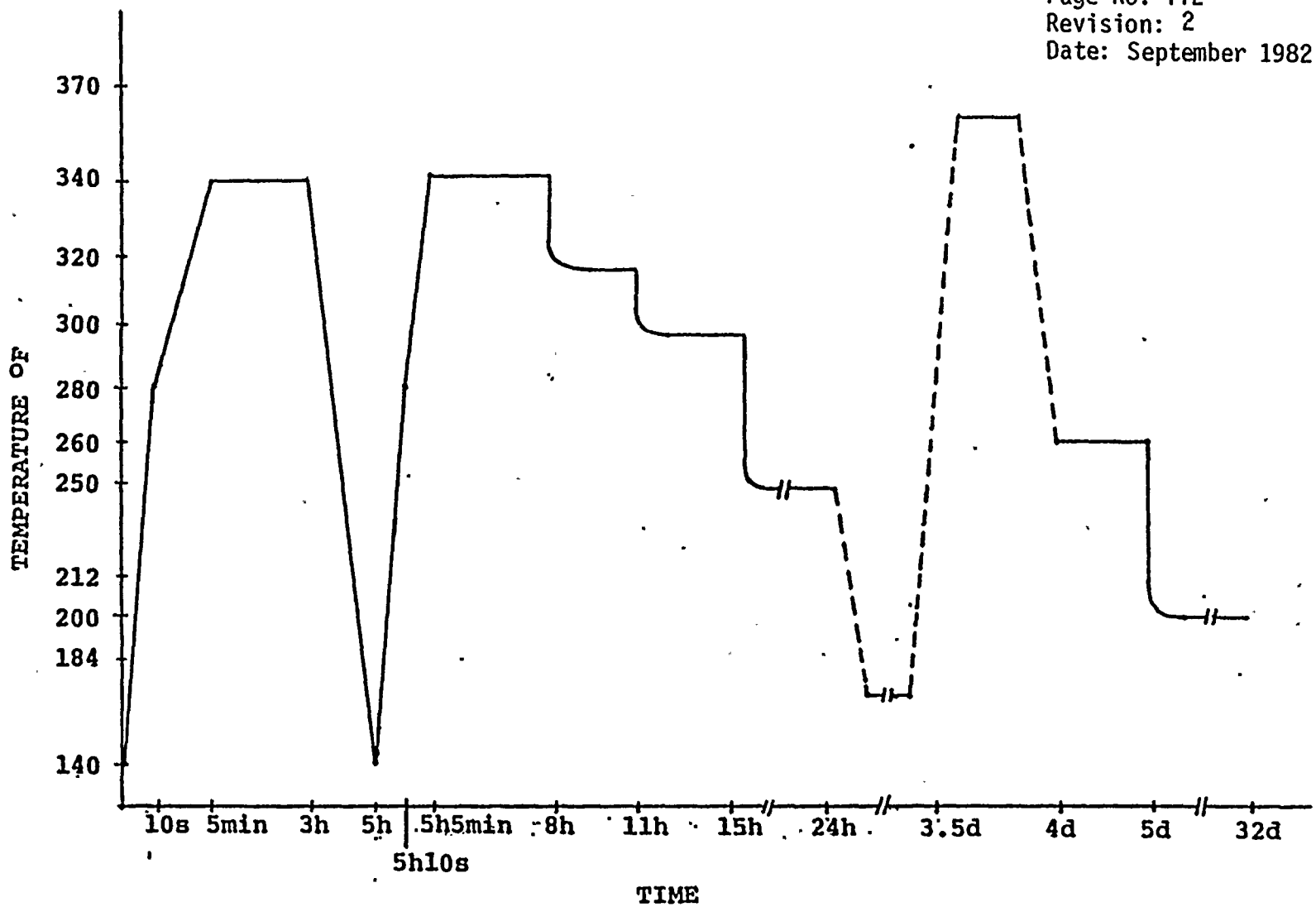
DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2.

Tag Number	Function/Service	Elev.	Azimuth
E-X-100A	Neu. Mont. Sys. Penetration	501	98
-100B	Neu. Mont. Sys. Penetration	501	105
-100C	Neu. Mont. Sys. Penetration	501	315
-100D	Neu. Mont. Sys. Penetration	501	330
-101A	CRD Position Ind. Penetration	501	130
-101B	CRD Position Ind. Penetration	501	140
-101C	CRD Position Ind. Penetration	501	312
-101D	CRD Position Ind. Penetration	501	320
-102A	T/C and RTD Penetration	522	183
-102B	T/C and RTD Penetration	522	220
-103A	Med. Voltage Power Penetration	522	208
-103B	Med. Voltage Power Penetration	522	213
-103C	Med. Voltage Power Penetration	522	305
-103D	Med. Voltage Power Penetration	522	325
-104A	Low Voltage Power Penetration	501	109
-104B	Low Voltage Power Penetration	501	110
-104C	Low Voltage Power Penetration	522	188
-104D	Low Voltage Power Penetration	522	223
-105A	Control & Indication Penetration	501	100
-105B	Control & Indication Penetration	501	135
-105C	Control & Indication Penetration	523	195
-105D	Control & Indication Penetration	501	225
-107A	Low Volt. Pwr./Cntl./Ind. Pene.	501	52
-107B	Low Volt. Pwr./Cntl./Ind. Pene.	441	250

3. The inboard end of the penetration is enclosed by the inboard penetration enclosure and, therefore, will not be exposed to demineralized water spray.



TEST PROFILE FOR W PENETRATION

Pressure Corresponds to
Saturated Steam Pressure

WPPSS QID382003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

PAGE NO: 112A
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Equipment Drains Radioactive TAG NUMBER EDR-SPV- 19 and 20	OPERATING TIME	6 months	>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Profile 4	Envelopes profile 4 with >8C margin	2	4	Simultaneous Test Engineering Analysis	None
MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER WJHT 831654	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal Profile 4	(<90%)	2	6	Engineering Analysis	None
COMPONENT Solenoid Pilot Valve FUNCTION/SERVICE Containment Isolation Valve V-20	CHEMICAL SPRAY	N/A	N/A	2	6	N/A	None
	RADIATION (RAD)	5.0×10^5	6×10^5	3	5	Engineering Analysis	None
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
LOCATION: BLDG R ELEVATION 471 428 COLUMN N/3.9 N1/3.6	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [signature]

Reviewed by [signature]

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIS Equipment List dated 9/1/82 2. FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0 3. EDS Study 0740-004-471B (worst case) 4. Calculation QID315004-1 5. Calculation QID315004-2 6. Calculation QID315004-3	1. The solenoid valves will be rebuilt on a schedule based on the 7-year Qualified life. Qualified

WP-1001

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Floor Drain Radioactive TAG NUMBER FDR-LS-41, 42, 43, 44, 45, 46	OPERATING TIME	6 months		1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4		2			
MANUFACTURER	PRESSURE (PSIA)	14.7		2			
MODEL NUMBER COMPONENT Level switch	RELATIVE HUMITY (%)	40 normal 90 max. abnormal accident profile 4		2			
FUNCTION/SERVICE Leak detection RHR, RCIC, LPCS, HPCS Pump rooms	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.2×10^7		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 422 COLUMN	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82

Reviewed by: Raymond Chi 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-422D, J, I, M, L, C	1. A documentation search is being performed to obtain qualification data. Requalification activities will be implemented if required.

WP-1081

WPPSS QID315004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

PAGE NO: 113A
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Floor Drain Radioactive TAG NUMBER FDR-SPV- 3, and 4	OPERATING TIME	6 months	>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Profile 4	Envelopes profile 4 with >8C margin	2	4	Simultaneous Test Engineering Analysis	None
MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER WJHT 831654	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
COMPONENT Solenoid Pilot Valve	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal Profile 4	(<90%)	2	6	Engineering Analysis	None
FUNCTION/SERVICE Solenoid Pilot for Valve EDR-V-4	CHEMICAL SPRAY	N/A	N/A	2	6	N/A	None
	RADIATION (RAD)	5×10^5	6×10^5	3	5	Engineering Analysis	None
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
LOCATION: BLDG R ELEVATION 471 426 COLUMN N/3.9 N1/3.6	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared By: [illegible]

Reviewed By: [illegible]

DOCUMENTATION REFERENCES

1. WNP-2 CIE Equipment List dated 9/1/82
2. FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0
3. EDS Study 0740-004-471B
4. Calculation QID315004-1
5. Calculation QID315004-2
6. Calculation QID315004-3

NOTES

1. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life.

Qualified

WP-1881

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-DPIC-1 MANUFACTURER Fisher Controls MODEL NUMBER COMPONENT FUNCTION/SERVICE Bypass Flow Control LOCATION: BLDG R ELEVATION 476 COLUMN H4/6.8	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident-Profile 4,9		2			None
	PRESSURE (PSIA)	Normal 14.7 Accident-Profile 9		2			None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	4.4×10^7		3			None
	AGING	40 years		2			None
	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 4/1/82 Reviewed by: [illegible] 4/1/82

DOCUMENTATION REFERENCES

1. WNP Class 1E Equipment List, dated September 1982.
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-471J

NOTES

1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function.

   Qualified.

WP-1081

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

4.

Tag Number	Model Number	Column
CAC-E/S-1A24	9T66Y987	M5/6.0
CAC-E/S-1A43	298	M5/6.0
CAC-E/S-1B24	9T66Y987	M5/6.0
CAC-E/S-1B43		M5/6.0

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2800-220

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-DPIS-11 -12 MANUFACTURER ITT Barton MODEL NUMBER COMPONENT FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 471 COLUMN H4/ 6.8	OPERATING TIME			1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4, 9		1			
	PRESSURE (PSIA)	14.7 accident profile 9		1			
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)			3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 9/4/82

Reviewed by: Raymond Clin 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-471J	Qualified 1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function.

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

PAGE NO: 116A
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-FIC-21 MANUFACTURER MODEL NUMBER COMPONENT Flow Indicating Controller FUNCTION/SERVICE Fuel Pool Recirc. Flow Control LOCATION: BLDG R ELEVATION 606 COLUMN	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4		2			None
	PRESSURE (PSIA)	14.7		2			None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	2.4×10^4		3			None
	AGING	40 years		2			None
	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [illegible] Reviewed by: Raymond Chu 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September 1982. 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-606A	1. A qualified unit is presently being sought. Upon purchase and installation of this unit, the Qualification Report will be updated.

WP-1001

WPPSS QID#156009

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215.220

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-FT-16 -17 MANUFACTURER Rosemount MODEL NUMBER 1153 COMPONENT Flow Transmitter FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 522, 572 COLUMN N.0/8.1	OPERATING TIME	6 months	Note 1	1		Simultaneous Test Engineering Analysis	
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4, 11		2			
	PRESSURE (PSIA)	14.7 normal accident profile 11		2			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: G. Newton 9/2/82

Reviewed by: Raymond Chin 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-522H, 572J	1. Components qualified to IEEE 323-74 and 344-75 are being procured.

WP-1001

WPPSS QID #198009

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-LIS-1A, B -2A, B -3A1, 3B1 -3A2, 3B2 MANUFACTURER Barton MODEL NUMBER 289A COMPONENT Level Indication Switch FUNCTION/SERVICE FPC-TK Level Control LOCATION: BLDG R ELEVATION 572 COLUMN K.0/6.8 M.0/6.8 H/6.9	OPERATING TIME	6 months	Equivalent To 6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4,31	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 31	Accident Profile 31	2	5	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 100 max accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.0×10^6	3×10^6	3	4,5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 Years	2	4	Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nadeem 9/1/82 Reviewed by: Raymond Chin 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N, F 4. QID File #198009 5. Qualification Test Report for Barton 289 Switch, Report #R3-288A-1, (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

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WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 7808-215

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-LS-4 -5 MANUFACTURER MODEL NUMBER COMPONENT Level switch FUNCTION/SERVICE Fuel pool level LOCATION: BLDG R ELEVATION 572 COLUMN	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal accident profile 4		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)			3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 1/1/82

Reviewed by: Raymond Ellis 9/5/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11	1. A documentation search is being performed to obtain qualification data. Requalification activities will be implemented if required.

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-LT-21 MANUFACTURER MODEL NUMBER COMPONENT Level transmitter FUNCTION/SERVICE Fuel pool level LOCATION: BLDG R ELEVATION 606 COLUMN	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal accident profile 4		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	2.4×10^4		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Alan Seiben 9/9/82 Reviewed by: Raymond Chin 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-606A	1. A documentation search is being performed to obtain qualification data. Requalification activities will be implemented, if required.

WP-1081

WPPSS QID #213014

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-M-1A FPC-M-1B MANUFACTURER Westinghouse MODEL NUMBER TADP/326TS COMPONENT Motor, 50 HP FUNCTION/SERVICE Motors for FPC-P1A, -P1B LOCATION: BLDG R ELEVATION 550 COLUMN M2/3.5 M2/3.6	OPERATING TIME	4320 hours		1			Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4		2			
	PRESSURE (PSIA)	14.7	N/R	2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident profile 4		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	1.5×10^5		3			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/4/82 Reviewed by: Raymond Chi 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-548L	1. Items qualified to NUREG 0588 Category I are being procured.

WP-1081

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-MO-153 FPC-MO-154 FPC-MO-156 MANUFACTURER Limitorque MODEL NUMBER SMB-000-5 SMB-00 COMPONENT Motor Operator FUNCTION/SERVICE Operate FPC Valves LOCATION: BLDG R ELEVATION 452, 468 COLUMN K/7.9, J 9/8, K2/8.2	OPERATING TIME	6 months	Equivalent to >6 months	1	3,4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 maximum normal 104 maximum abnormal Accident Profile 4	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/A	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 maximum abnormal Accident Profile 4	Steam 24 hours 100% 15 days	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	9.94×10^5	2×10^7	2	3	Sequential Test	None
	AGING	40 years	40+ years	1	3,4	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Cin 8/28/82 Reviewed by: Marc L Barin 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-441G 3. Limitorque report B0003 with addendum A 4. QID #221001	1. Qualified

WP-1081

TEMPERATURE PROFILE

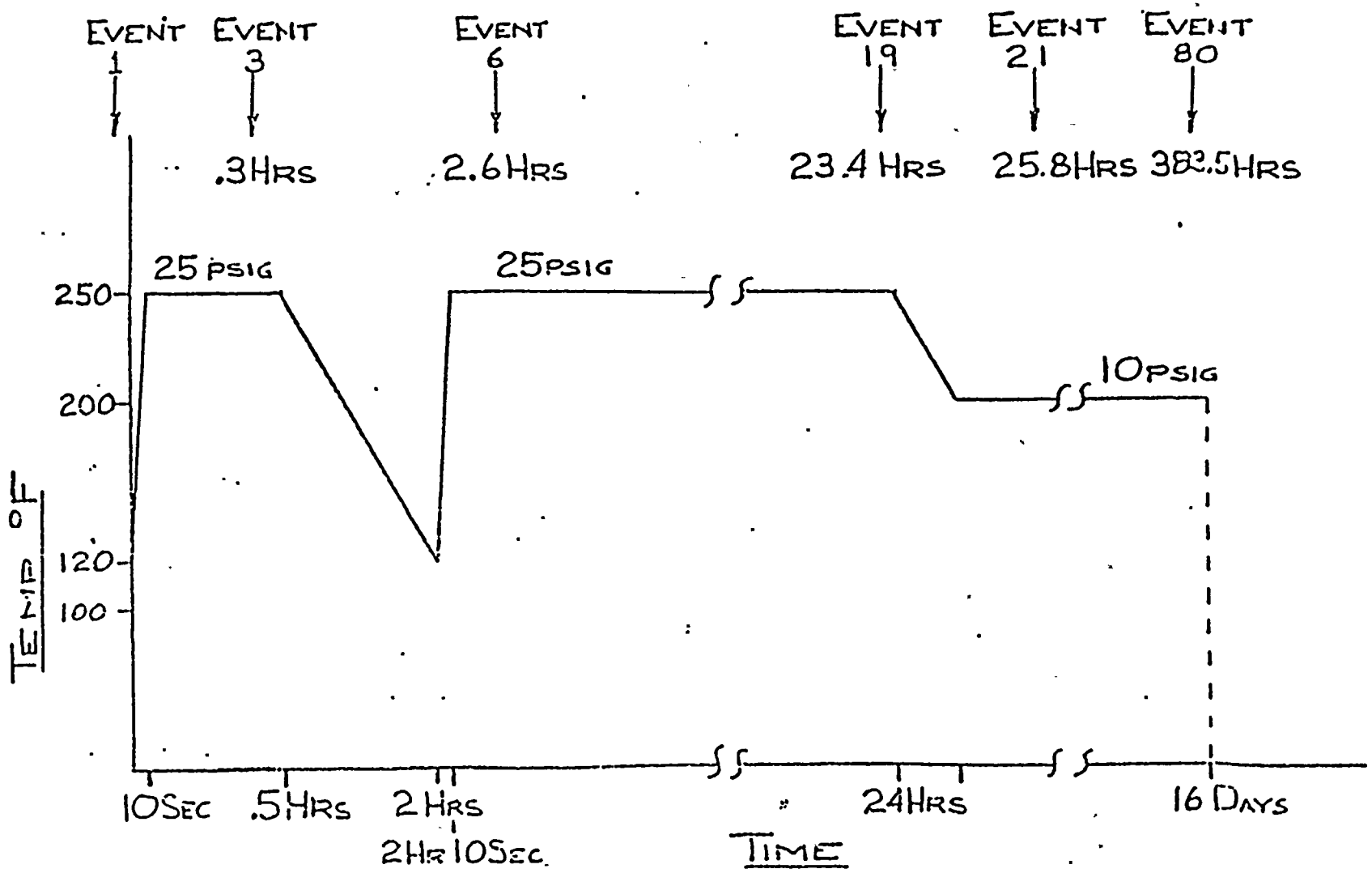

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-MO-172, 173, 175 -181A, 181B, 184 MANUFACTURER Limitorque MODEL NUMBER SMB-000 COMPONENT Valve Motor Operator FUNCTION/SERVICE Operate FPC Valves LOCATION: BLDG R ELEVATION 548, 550 COLUMN L7/9, K.3/9.0	OPERATING TIME	6 months		1			Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,9,31		2			
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 4,9,31		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	1.5×10^5		3			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/18/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-548L	1. Items qualified to NUREG 0588, Category I, are being procured.

WP-1081

WPPSS QID #256003,18

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

PAGE NO: 124A
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-PS-6A,B -9A,B MANUFACTURER Barksdale MODEL NUMBER B2T-M12SS D2H-M150SS COMPONENT Pressure Switch FUNCTION/SERVICE FPC-P-1A,B suction pressure LOCATION: BLDG R ELEVATION 524 COLUMN J/6.9 N/8.1	OPERATING TIME	6 Months	Equivalent to 6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident profile 4,11	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 Normal Accident profile 11	Accident profile 11	2	5	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5	2×10^6	3	4	Engineering Analysis	None
	AGING	40 years	16 years	2	4	Engineering Analysis	None
	ACCURACY		±1%		5	Functional Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [illegible] 9/4/82 Reviewed by: [illegible] 9/5/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment list, dated 12/16/81 2. FSAR paragraph 3.11 3. EDS Report No. 0740-004-5221L,K 4. QID File #256003,256018 5. Barksdale Environmental Test. Delaval Turbine Inc. Test Procedure 9993 Report Dated August 13, 1975.	Qualified 1. A maintenance/surveillance program is being developed to extend the qualified life.

WP-1001

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-RMS-P/1A, P1B MANUFACTURER MODEL NUMBER COMPONENT Remote Switch FUNCTION/SERVICE RMS for Pump 1A, B LOCATION: BLDG R ELEVATION 522 COLUMN J.0/6.9, N.0/8.1	OPERATING TIME	6 months		1			Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4, 29		2			Note 1
	PRESSURE (PSIA)	14.7 normal Accident Profile 29		2			Note 1
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			Note 1
	CHEMICAL SPRAY	N/A		2			Note 1
	RADIATION (RAD)	1.6×10^6		3			Note 1
	AGING	40 years		2			None
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 1/3/82 Reviewed by: [illegible] 1/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004-522J, 522K	1. These components are on order. The qualification documentation will be reviewed when it is received.

WP-1881

WPPSS QID315004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

PAGE NO: 125A
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-SPV-113	OPERATING TIME	6 months	6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Profile 4	Envelopes Profile 4 with 8C margin	2	4	Simultaneous Test Engineering Analysis	None
MANUFACTURER Automatic Switch (ASCO)	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
MODEL NUMBER WHJT831654	RELATIVE HUMITY (%)	40 max normal 90 max abnormal Profile 4	(90%)	2	6	Engineering Analysis	None
COMPONENT Solenoid Pilot Valve	CHEMICAL SPRAY	N/A	N/A	2	N/A	Engineering Analysis	None
FUNCTION/SERVICE Solenoid Pilot for FPC Cleanup Bypass	RADIATION (RAD)	8.3×10^5	6×10^5	3	5	Engineering Analysis	Note 2
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
LOCATION: BLDG R ELEVATION 525 COLUMN N.0/8.0	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [illegible]

Reviewed by: [illegible]

DOCUMENTATION REFERENCES

1. WNP-2 CIE Equipment list dated 9/1/82.
2. FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0
3. EDS Study 0740-004-522H
4. Calculation QID315004-1
5. Calculation QID315004-2
6. Calculation QID315004-3

NOTES

1. The solenoid valve will be rebuilt on a schedule based on the 7-year qualified life.
2. Re-evaluation of radiation is being carried out and requalification will be performed if required.

WP-1881

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling TAG NUMBER FPC-TE-6, 7, 8 MANUFACTURER MODEL NUMBER COMPONENT Temperature Element FUNCTION/SERVICE Fuel pool and Recirculation line temps. LOCATION: BLDG R ELEVATION 467, 572 COLUMN	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal accident profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal accident profile 4		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)			3			
	AGING	40 years					
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/7/82

Reviewed by: Raymond [illegible] 9/7/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572K	1. A documentation search is being performed to obtain qualification data. Requalification activities will be implemented if required.

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Fuel Pool Cooling	OPERATING TIME		Note 1				
TAG NUMBER FPC-TI-6, 7, 8	TEMPERATURE (F)						
MANUFACTURER	PRESSURE (PSIA)						
MODEL NUMBER	RELATIVE HUMITY (%)						
COMPONENT Temperature Indicator	CHEMICAL SPRAY						
FUNCTION/SERVICE Temperature Ind. for FPC-TE-6, 7, 8	RADIATION (RAD)						
	AGING						
LOCATION: BLDG R ELEVATION 467, 471 COLUMN	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/7/82

Reviewed by: Raymond Oki 9/7/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-471J	1. A documentation search is being performed to obtain qualification data. Requalification activities will be implemented if required.

WP-1081

WPPSS QID #086002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-N009
PPD: HPCS-DPIS-9

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-DPIS-9 MANUFACTURER Barton MODEL NUMBER 288A COMPONENT Differential Pressure Indicating Switch FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 471 COLUMN L2/3.9	OPERATING TIME	24 hours	Equivalent to >6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,9	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9	Accident Profile 9	2	4, 5	Simultaneous Test, Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.0×10^5	3×10^6	3	4,5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 6/28/82 Reviewed by: Raymond [illegible] 9/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-422B 4. QID File #086002 5. Qualification Test Report for Barton 289 Switch, Report #R3-288A-1 (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #140001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-N006
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-FIS-6 MANUFACTURER Barton MODEL NUMBER 289 COMPONENT Flow Indicating Switch FUNCTION/SERVICE HPCS-P-1 Discharge Flow Indication LOCATION: BLDG R ELEVATION 471 COLUMN L.2/3.9	OPERATING TIME	24 hours	Equivalent to 76 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,9	150	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9	Accident Profile 9	2	4, 5	Simultaneous Test, Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5×10^5	3×10^6	3	4, 5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 years	2		Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 6/24/82 Reviewed by: [illegible] 8/23/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-471B 4. QID File #140001 5. Qualification Test Report for Barton 289 Switch, Report #R3-288A-1, (QSR-027-01)	Qualified. 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #156003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-N005
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-FT-5 MANUFACTURER GE MODEL NUMBER 50-555-11CMA4WCF COMPONENT Flow Transmitter FUNCTION/SERVICE HPCS-P-1 Discharge Flow Transmitter LOCATION: BLDG R ELEVATION 471 COLUMN L.2/3.9	OPERATING TIME	24 hours	Note 1	2	4		
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,9		1			
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9		1			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		1			
	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	5.0×10^5		3			
	AGING	40 years		1			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 8/28/82 Reviewed by: Raymond Chi 8/27/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 CIE Equipment List, dated September 1982 3. EDS Report 0740-004-471B 4. WPPSS Letter GE-02-JLS-81-022	1. This component will be replaced by a Rosemount 1153 qualified to IEEE 323-1974 and 344-1975.

WP-1081

WPPSS QID #200007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-69

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-LMS-5 MANUFACTURER Namco MODEL NUMBER 84836-0577 COMPONENT Limit Switch FUNCTION/SERVICE LMS for V-5 Containment Isolation LOCATION: BLDG C ELEVATION 543 COLUMN 247 degrees, AZ	OPERATING TIME	24 hours	Note 1	1	3		
	TEMPERATURE (F)	135 normal 150 abnormal accidents - profile 1		2			
	PRESSURE (PSIA)	14.7 normal 16.7 abnormal accident - profile 1		2			
	RELATIVE HUMITY (%)	55 normal 90 abnormal accident - profile 2		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	4.4×10^7		2			
	AGING	40 years					
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond Chi 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR paragraph 3.11 3. WPPSS letter GE-02-JLS-81-021	1. These limit switches are being replaced by Namco Limit switch model EA180 which is qualified to IEEE 323-74 and 344-75. (Ref. 3).

WP-1081

WPPSS QID 207002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-N002A, 2B
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-LS-2A,B MANUFACTURER Magnetrol MODEL NUMBER 3.5-751-1X-MPG-M148Y COMPONENT Level Switch FUNCTION/SERVICE Pool Level HPCS Valve Control LOCATION: BLDG R ELEVATION 465, 441, 471 COLUMN J.5/4.1, M/8.0	OPERATING TIME	24 hours	160 hours	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 8	300	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 normal Accident Profile 8	Accident Profile 8	2	4,5	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.1×10^5	1.25×10^8	3	4	Engineering Analysis	None
	AGING	40	Note 1	2	4	Engineering Analysis	None Note 1
	ACCURACY		± 1/4%		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82

Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-441J 4. QID 207004 5. BWR Equipment Qualification Summary Report #QSR-030-H-1	QUALIFIED 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS

QID213032

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E12

MPL: E22-C001A
PPD:

PAGE NO: 133
REVISION: 2
DATE: 8-25-82

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-M-1 MANUFACTURER General Electric MODEL NUMBER 5K6357XC10A COMPONENT Motor FUNCTION/SERVICE Drive Pump LOCATION: BLDG R ELEVATION 429 COLUMN H2/3.7	OPERATING TIME	24 hours	94,746 hours	5	3,4 7,8	Sequential Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal 150 max accident	212	1	3,4 7,8	Simultaneous Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 100 max accident	100% & Steam	1	3,4 7,8	Simultaneous Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.6×10^6	5.5×10^6	2	3,4 7,8	Sequential Engineering Analysis	None
	AGING	40 years	40 years	1	3, 7,8	Sequential Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: F.C. Sullivan

Reviewed by: R.L. Abbott

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-422D 3. GE #22A4722, 3/25/80 (BWR 111-A-G5) 4. GE #NEDM-10672, 8/72 (BWR 111-A-05) 5. WNP-2 Class 1E Equipment List 6. B&R Calculation 9-46-02 7. GE #456HA898 8. Calculations 213 032-1, -2, -3, -4	1. Qualified.

WP-1001

WPPSS QID #213013

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-35A

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-M-3	OPERATING TIME	24 hours	24 hours	1	4,5,6	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident profile 4	484	2	4,5,6	Simultaneous Test and Engineering Analysis	None
MANUFACTURER Westinghouse	PRESSURE (PSIA)	14.7	14.7	2	4,5,6	Simultaneous Test and Engineering Analysis	None
MODEL NUMBER 7504786 COMPONENT Motor	RELATIVE HUMITY (%)	40 Normal 90 Abnormal Accident profile 4	100	2	4,5,6	Simultaneous Test and Engineering Analysis	None
FUNCTION/SERVICE 15hp motor for HPCS-P-3+	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.6×10^6	1×10^8	3	4,5,6	Separate Effects and Engineering Analysis	None
	AGING	40 years	Note 1	2			
LOCATION: BLDG R ELEVATION 430 COLUMN L 5/3.5	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/4/82

Reviewed by: [illegible] 9/4/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Report #0740-004-422D
4. W Report #9112, Medium A.C. motors, dated Nov. 18, 1980, Rev. 4
5. EPRI Report #RP 1707-3
6. QIDS #213013

NOTES

Qualified

1. An evaluation is being performed to identify age susceptible parts and is scheduled for completion by December 1, 1982.

WP-1881

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-F001
PPD: 21A1883

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-MO-1 MANUFACTURER Limitorque MODEL NUMBER SMB-000-25/P12B COMPONENT Valve Motor Operator (Reliance Class B) FUNCTION/SERVICE Operate HPCS Valve 1 LOCATION: BLDG R ELEVATION 435 COLUMN M/4	OPERATING TIME	24 hours	16 days	4	2	Simultaneous Test	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	See enclosed profile	1	2	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	See enclosed profile	1	2	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4	Steam for 24 hours 100% for 15 days	1	2	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.6×10^6	2×10^7	3	2	Sequential Test	None
	AGING	40 years	40 years	1	2,5	Sequential Test and Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Limitorque Test Report B0003, with Addendum A, prepared 5/8/76 3. EDS Study 0740-00-422D 4. WNP-2 1E Equipment List, September 1982 5. Calculations in QID 221001	Qualified.

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID #221001

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-F012
PPD: 21A1880

EQUIPMENT DESCRIPTION	ENVIRONMENT	
	PARAMETER	FSAR
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-MO-12,15	OPERATING TIME	24 hours
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4
MANUFACTURER Limitorque MODEL NUMBER SMB-2-40/C184Y SMB-2-60/C184Y COMPONENT Valve Motor Operator*	PRESSURE (PSIA)	14.7
	RELATIVE HUMIDITY (%)	40 normal 90 max abnormal Accident Profile 4
FUNCTION/SERVICE Operate HPCS Valve 12	CHEMICAL SPRAY	N/A
	RADIATION (RAD)	1.6×10^6
	AGING	40 years
LOCATION: BLDG R ELEVATION 430, 455 COLUMN M/3.4, L.4/3.6	ACCURACY	N/A
FLOOD LEVEL ELEV: ABOVE FLOOD LEVEL? YES X NO	Reference: 3. EDS Report 0740-004-441C	

WP-1882

*(Reliance Class B)

Prepared By: [illegible]
Reviewed By: [illegible] 8/28/82

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-F010
PPD: 21A1881

EQUIPMENT DESCRIPTION	ENVIRONMENT	
	PARAMETER	FSAR
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-MO-10,11	OPERATING TIME	24 hours
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4
MANUFACTURER Limitorque MODEL NUMBER SMB-3 COMPONENT Valve Motor Operator*	PRESSURE (PSIA)	14.7
	RELATIVE HUMIDITY (%)	40 normal 90 max abnormal Accident Profile 4
FUNCTION/SERVICE Operate HPCS Valve 10	CHEMICAL SPRAY	N/A
	RADIATION (RAD)	1.4×10^6
	AGING	40 years
LOCATION: BLDG R ELEVATION 452 COLUMN M/3.8	ACCURACY	N/A
FLOOD LEVEL ELEV: ABOVE FLOOD LEVEL? YES X NO		

* (Reliance Class B)

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-F023
PPD: 21A1882

EQUIPMENT DESCRIPTION	ENVIRONMENT	
	PARAMETER	FSAR
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-MO -4 MANUFACTURER Limitorque MODEL NUMBER SMB-4 COMPONENT Valve Motor Operator* FUNCTION/SERVICE Operate HPCS Valve 23 LOCATION: BLDG R ELEVATION 451 COLUMN M.3/7.3	OPERATING TIME	24 hours
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4,11
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11
	RELATIVE HUMIDITY (%)	40 normal 90 max abnormal 100 max accident
	CHEMICAL SPRAY	N/A
	RADIATION (RAD)	1.4×10^6
	AGING	40 years
	ACCURACY	N/A
FLOOD LEVEL ELEV: ABOVE FLOOD LEVEL? YES X NO	Reference: 3. EDS Report 0740-004-441C	

WP-1082

*(Reliance Class B)

Prepared By: [illegible] 8/26/82
Reviewed By: [illegible] 8/28/82

TEMPERATURE PROFILE

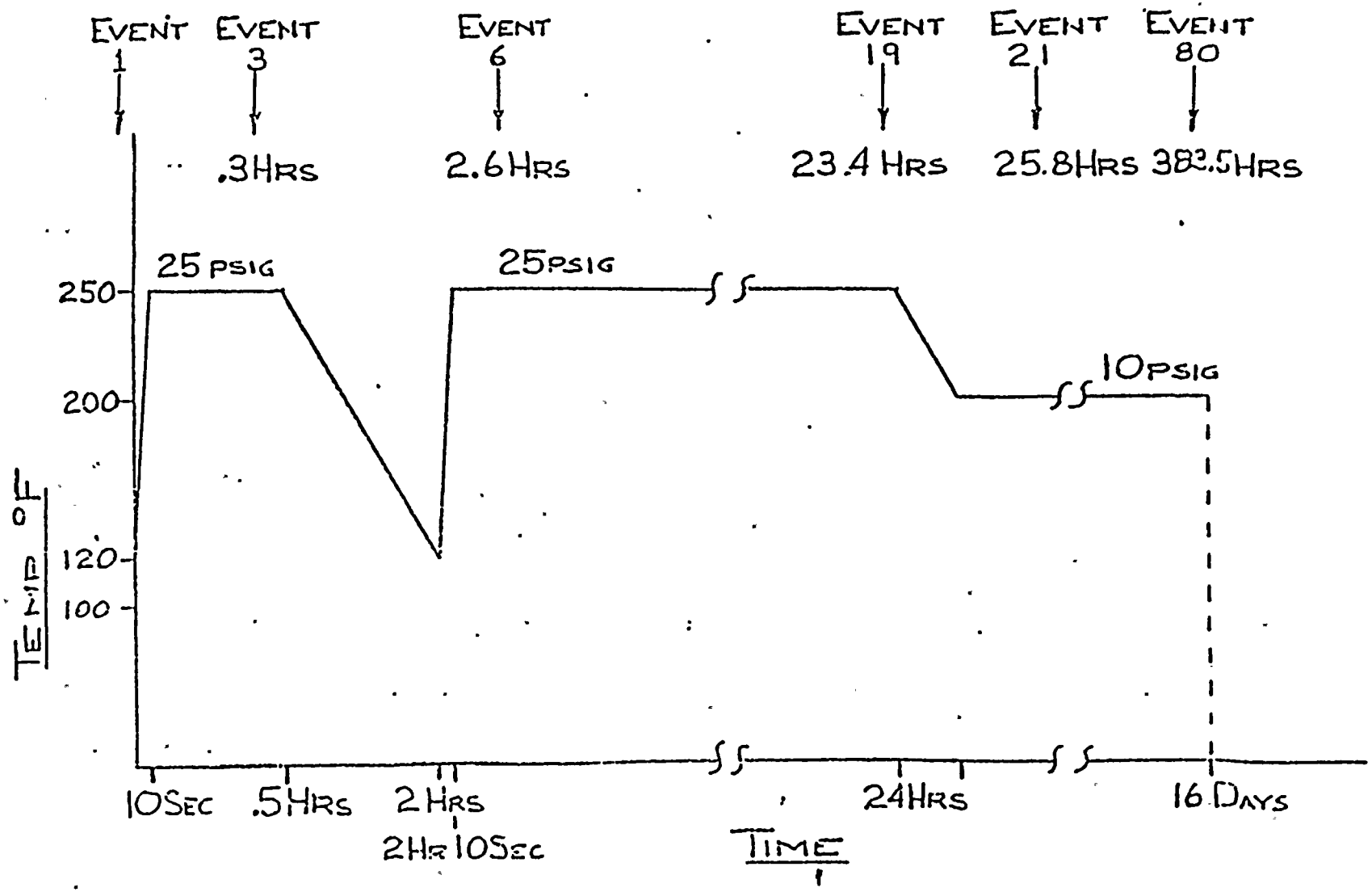

FIGURE 1

WPPSS QID #245001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-N013
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-PIS-13 MANUFACTURER Barton MODEL NUMBER 288A COMPONENT Pressure Indicating Switch FUNCTION/SERVICE Low Pressure Alarm LOCATION: BLDG R ELEVATION 471 COLUMN L.2/3.9	OPERATING TIME	24 hours	Equivalent to > 6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4,9	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9	Accident Profile 9	5	4, 5	Simultaneous Test, Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5×10^5	3×10^6	3	4, 5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/26/82

Reviewed by: [illegible] 8/27/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, September 1982
2. FSAR Par. 3.11
3. EDS Report 0740-004-471B
4. QID File #245001
5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1 (QSR-027-01)

NOTES

Qualified

1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID# 256016

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-N012
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-PS-12 MANUFACTURER Static-O-Ring MODEL NUMBER SN-AA3-X105TT COMPONENT Pressure Switch FUNCTION/SERVICE HPCS Pump Discharge Pressure Switch LOCATION: BLDG R ELEVATION 471 COLUMN L.2/3.9	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4,9	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9	Accident Profile 9	2	4,5	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.0×10^5	8.3×10^5	3	4	Engineering Analysis	None
	AGING	40 years	26 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		0.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982. 2. FSAR Paragraph 3.11 3. QID file # 256016 4. EDS Calculation file 0740-006-006 5. Viking Lab.Inc. Test letter Report #30203-2 dated November 20, 1973. Steam testing of Static-O-Ring Pressure Switch, P/N 12N-AA4-TTX10.	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1881

WPPSS QID# 256016

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E22

MPL: E22-N003
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM High Pressure Core Spray TAG NUMBER HPCS-PS-3 MANUFACTURER Static-O-Ring MODEL NUMBER 5N-AA-X105TT COMPONENT Pressure Switch FUNCTION/SERVICE HPCS Pump 1 Suction Pressure Switch LOCATION: BLDG R ELEVATION 471 COLUMN L2/4	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 9	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9	Accident Profile 9	2	4,5	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.0×10^5	8.33×10^5	3	4	Engineering Analysis	None
	AGING	40 years	26 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		0.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982. 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-471B 4. QID# 256016 5. Viking Lab. Inc. Test Report #30203-2 dated 11/20/73. Steam testing of Static-O-Ring Pressure Switch, P/N 12N-AA4-TTX10.	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1981

WPPSS QID #339004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E31

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Leak Detection TAG NUMBER LD-TE-1A, B, C, D	OPERATING TIME	24 hours	Note 1				
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4,17,20					
MANUFACTURER Melton	PRESSURE (PSIA)	Normal 14.7 accident profile 17, 20					
MODEL NUMBER 5641-R-DACAR COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 abnormal					
Temperature elements FUNCTION/SERVICE	CHEMICAL SPRAY	N/A					
	RADIATION (RAD)	8.4×10^5					
	AGING	40 years					
LOCATION: BLDG R ELEVATION 532 COLUMN M.9/4.8 M.6/4.2 M.2/4.5 M.2/4.5	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Reviewed By: [illegible] Prepared By: Chan Seiler 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-522F	1. A documentation search being performed to obtain qualification data.

WP-1081

WPPSS QID #339004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E31

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Leak Detection TAG NUMBER LD-TE-(Note 2) MANUFACTURER Pyco MODEL NUMBER 282-N1A72 COMPONENT Temperature Element FUNCTION/SERVICE Steam leak detection in RWCU pump room, RWCU Hx room, steam tunnel, RCIC room, RHR room LOCATION: BLDG R ELEVATION COLUMN (Note 2)	OPERATING TIME	24 hours	Equivalent to 3 months	2	4,5,6	Simultaneous Test and Engineering Analysis	Note 1
	TEMPERATURE (F)	125 max. normal 140 max. abnormal Accident profile 4, 6, 7 17, 20, 25	250	1	4,5	Simultaneous Test	Note 1
	PRESSURE (PSIA)	14.7 normal Accident profile 6,7,17,20,25	Profile 6,7,17,20,25	1	N/A		Note 1
	RELATIVE HUMITY (%)	40 max. normal 98 max. abnormal 100 accident	100	1	4,5	Simultaneous Test	Note 1
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	N/A
	RADIATION (RAD)	4×10^6	2×10^8	3	5	Simultaneous Test	Note 1
	AGING	40 years		1			Note 1
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: C. Nader 9/4/82

Reviewed by: Raymond Chi 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 Class 1E Equipment List, dated 9/82 3. EDS Report 0740-004-441I 4. G.E. Environmental Qualification Summary for NECI Temperature Element, NECI Model No. N145C3224, Document No. 248A9456. 5. PYCO Test Report, "Document No. 122375, Rev. "0", dated 12/23/75.	1. Functional accuracy of the components was not tested during the simulated enviornmental conditions. Further qualification documentation will be obtained to reevaluate qualification for functional accuracy, operating time and aging.

WP-1081

DOCUMENTATION REFERENCES (Cont'd)

6. PYCO Qualification Test Report, "Air Temperature Thermocouple PYCO Model No. 02-9036", Document No. 122675, Rev. "0", dated 12/26/75.
7. QID No. 339004

NOTES (Cont'd)

2.

EPN	Elevation	Column
LD-TE-18A	R468	M.7/9.0
-18B	R465	K.0/9.0
-18C	R468	M.7/9.0
-18D	R465	K.0/9.0
-1E	R554	K.1/3.4
-1F	R554	K.1/3.4
-28A	R461	L.3/9.3
-28B	R465	K.9/9.3
-28C	R461	L.3/9.3
-28D	R465	K.9/9.3
-2A	R532	M.4/4.7
-2B	R532	M.4/4.7
-2C	R532	M.8/5.4
-2D	R532	M.8/5.4
-2E	R570	L.9/4.4
-2F	R570	L.9/4.4
-30A	R528	J.0/6.0
-30B	R528	J.0/6.0
-30C	R528	J.0/6.0
-30D	R528	J.0/6.0
-3A	R532	M.3/4.6
-3B	R532	M.3/4.6
-3C	R532	M.9/5.6
-3D	R532	M.9/5.6
-3E	R570	L/4
-3F	R570	L/4
-4A	R460	J.0/7.5
-4B	R460	J.0/7.5

WPPSS QID #339004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E31
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Leak Detector TAG NUMBER LD-TE-(Note 2)	OPERATING TIME	24 hours				Note 1	
	TEMPERATURE (F)	90 Normal 104 max. abnormal Accident profile 3,4,5,6,7					
MANUFACTURER NECI	PRESSURE (PSIA)	14.7 normal Accident profile 3,5,6,7					
MODEL NUMBER N1456C3224PI COMPONENT	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal 100 accident					
Temperature Element FUNCTION/SERVICE	CHEMICAL SPRAY	N/A					
Steam Leak Detection in RHCU pump room, RWCU Hx rm, steam tunnel, RCIC rm, RHR rm	RADIATION (RAD)	1.2×10^7					
	AGING	40 years					
LOCATION: BLDG R ELEVATION (Note 2) COLUMN	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Reviewed by: Ali Nadeem 9/4/82

Prepared by: Raymond Chu 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740 -004-441I, 422I, J, L, 5010	1. Qualification test data is being reviewed for applicability.

WP-1081

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2.

EPN	Elevation	Column
LD-TE-24A	R467	
-24B	R467	
-25B	R436	
-26A	R467	
-26B	R467	
-27A	R432	L.5/9.4
-27B	R432	K9/9.4
-27C	R432	L5/9.4
-27D	R432	K9/9.4
-29A	R515	H3/5.6
-29B	R515	H.3/5.9
-29C	R515	H.3/6.0
-29D	R515	H.3/6.5
-31A	R515	H.4/5.5
-31B	R515	H.4/5.6
-31C	R515	H.4/6.4
-31D	R515	H.4/6.1
-5A	R436	
-5B	R436	
-6A	R460	
-6B	R460	

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E21

QID #086001
MPL: E21-N006
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Low Pressure Core Spray TAG NUMBER LPCS-DPIS-6 MANUFACTURER Barton MODEL NUMBER 288 COMPONENT Differential Pressure Indicating Switch FUNCTION/SERVICE Inject valve differential pressure indication LOCATION: BLDG R ELEVATION 471 COLUMN K.0/4.2	OPERATING TIME	24 hours	Equivalent to > 6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4,9	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9	Accident Profile 9	2	4, 5	Simultaneous Test Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5×10^5	3×10^6	3	4, 5	Separate Test Engineering Analysis	None
	AGING	40 years	12 years	2	4,5	Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 11/28/82

Reviewed by: Raymond Elin 11/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment list, dated September, 1982. 2. FSAR Par. 3.11 3. EDS Report 0740-004-471A 4. QID file #086001 5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1, (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID # 140001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E21

MPL: E21-N004
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Low Pressure Core Spray TAG NUMBER LPCS-FIS-4 MANUFACTURER Barton MODEL NUMBER 289A COMPONENT Flow Indication Switch FUNCTION/SERVICE LPCS-P-1 Discharge Flow Indication LOCATION: BLDG R ELEVATION 471 COLUMN K.0/4.2	OPERATING TIME	24 hours	Equivalent to>6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,9	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9	Accident Profile 9	2	4,5	Simultaneous Test Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.0×10^5	3×10^6	3	4,5	Separate Test Engineering Analysis	None
	AGING	40 years	12 Years	2	4	Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/24/82 Reviewed by Raymond Chi 8/24/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-471A 4. QID File #140001 5. Qualification Test Report for Barton 289 Switch, Report #R3-288A-1 (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #156003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E21

MPL: E21-N003
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Low Pressure Core Spray TAG NUMBER LPCS-FT-3 MANUFACTURER GE MODEL NUMBER 555 COMPONENT Flow Transmitter FUNCTION/SERVICE LPCS Discharge Flow Indication LOCATION: BLDG R ELEVATION 471 COLUMN K.0/4.2	OPERATING TIME	24 hours	Note 1	2	4		
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4, 9		1			
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9		1			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		1			
	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	5.0×10^5		3			
	AGING	40 years		1			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES x NO

Prepared by: Ali Nadeem 8/28/82 Reviewed by: Raymond [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 CIE Equipment List, dated September 1982 3. EDS Report #0740-004-471A 4. WPPSS Letter GE-02-JLS-81-022	1. This component will be replaced by Rosemount 1153 qualified to IEEE 323-1974 and 344-1975.

WP-1081

WPPSS

QID213032

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E21

MPL: E21-C001 A
PPD:

PAGE NO: 150
REVISION: 2
DATE: 8-25-82

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Low Pressure Core Spray TAG NUMBER LPCS-M-1 MANUFACTURER General Electric MODEL NUMBER 5K6347XC65A COMPONENT Motor FUNCTION/SERVICE Drive Pump LOCATION: BLDG R ELEVATION 429 COLUMN K2/3.8	OPERATING TIME	24 hours	94,746 hours	5	3,4 7,8	Sequential Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal 126 max accident	212	1,6	3,4 7, 8	Simultaneous Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 100 max accident	100% & Steam	1	3,4 7,8	Simultaneous Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.7×10^6	5.5×10^6	2	3,4 7,8	Sequential Engineering Analysis	None
	AGING	40 years	40 years	1	3, 7,8	Sequential Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: J.L. Sullivan

Reviewed by: R.L. Abbott

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-422C 3. GE #22A4722 (BWR 11-A-05) 4. GE #NEDM-10672, 8/72 (BWR 111-A-05) 5. WNP-2 Class 1E Equipment List B&R Calculation 9-46-02 GE #4561HA898 Calculations 213032-1, -2, -3, -4	1. Qualified.

WP-1041

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E21

MPL: E21-F011
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Low Pressure Core Spray TAG NUMBER LPCS-MO-1 -11 -12	OPERATING TIME	24 hours	16 days	4	2	Simultaneous Test	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	See enclosed profile	1	2	Simultaneous Test	None
MANUFACTURER Limitorque MODEL NUMBER SMB-0-40/T56 SMB-000-3/K48 SMB-3-60/18AR	PRESSURE (PSIA)	14.7	See enclosed profile	1	N/A	Simultaneous Test	None
COMPONENT Valve Motor Operator (Reliance Class B) FUNCTION/SERVICE Operate LPCS Valve	RELATIVE HUMITY (%)	40 normal 90 max normal Accident Profile 4	Steam for 24 hours 100% for 15 days	1	2	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.7×10^6	2×10^7	3	2	Sequential Test	None
	AGING	40 years	40 years	1	2,5	Sequential Test and Engineering Analysis	None
LOCATION: BLDG R ELEVATION 452, 425, 456 COLUMN K.2/4.0 K.2/3.5 K.0/3.6	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Limitorque Test Report B0003, with Addendum A, prepared 5/8/76 3. EDS Study 0740-004-422C 4. WNP-2 Class 1E Equipment List, dated September, 1982 5. Calculations in QID 221001	Qualified.

WP-1081

TEMPERATURE PROFILE

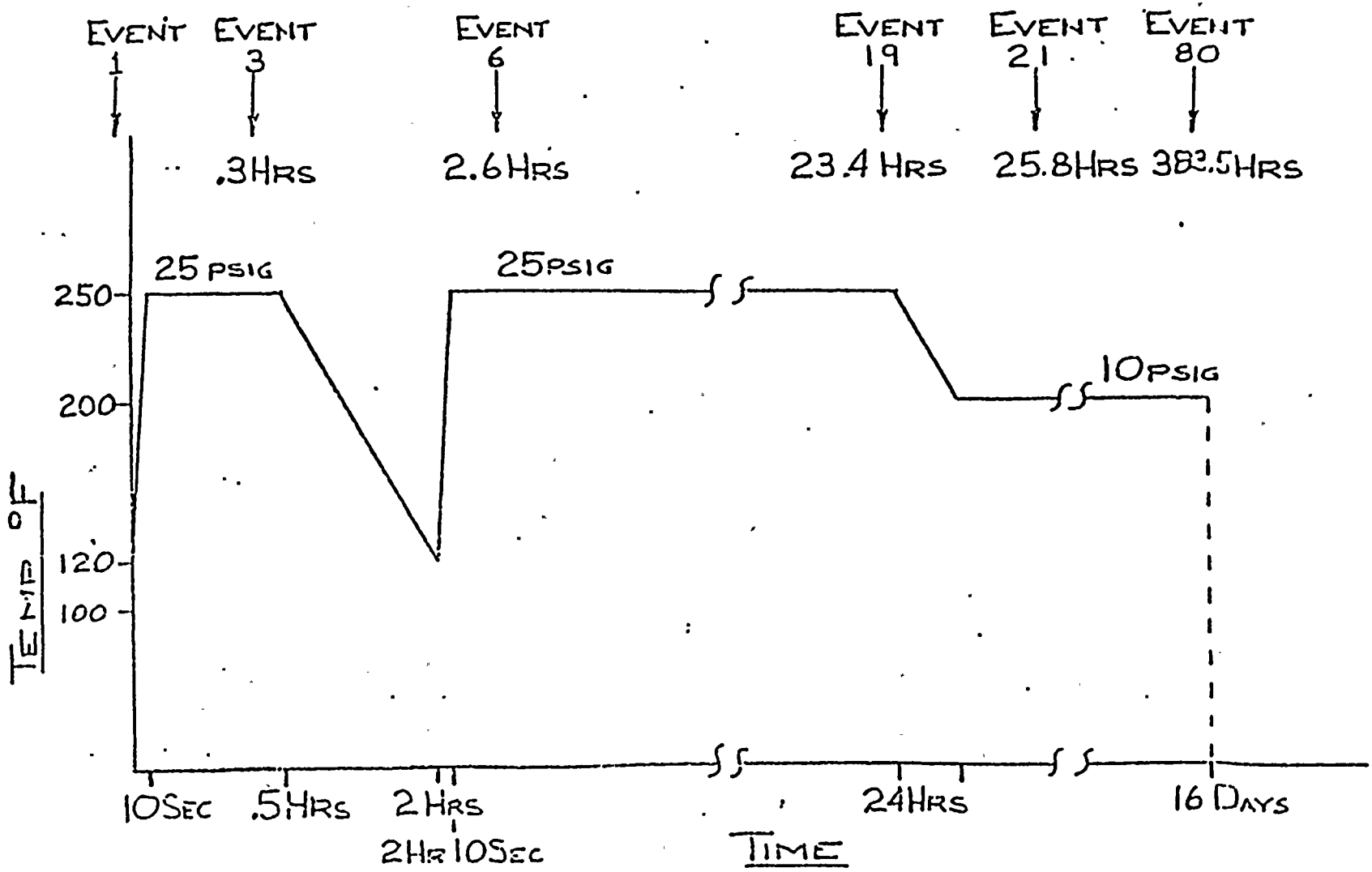

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Low Pressure Core Spray TAG NUMBER LPCS-MO-5	OPERATING TIME	24 hours	30 days	4	3	Simultaneous Test	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4,11,23,24	See enclosed profile	1	3	Simultaneous Test	None
MANUFACTURER Limitorque MODEL NUMBER SMB-3-100/254UR3	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11,23,24	See enclosed profile	1	3	Simultaneous Test	None
COMPONENT Motor Operator - Reliance, RH insulation	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal 100 accident	100	1	3	Simultaneous Test	
FUNCTION/SERVICE Operates LPCS injection valve (isolation valve)	CHEMICAL SPRAY	N/A	N/R	N/A	N/A	N/A	None
	RADIATION (RAD)	6.4×10^5	2.04×10^8	5	3	Sequential Test	None
	AGING	40 years	40 years	1	2, 3 5	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 525 COLUMN L8/4.3	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/13/82

Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Limitorque Report B0058 3. Limitorque Report B600376A 4. WNP-2 Class 1E Equipment List, .September, 1982 5. QID #221001	Qualified.

WP-1081

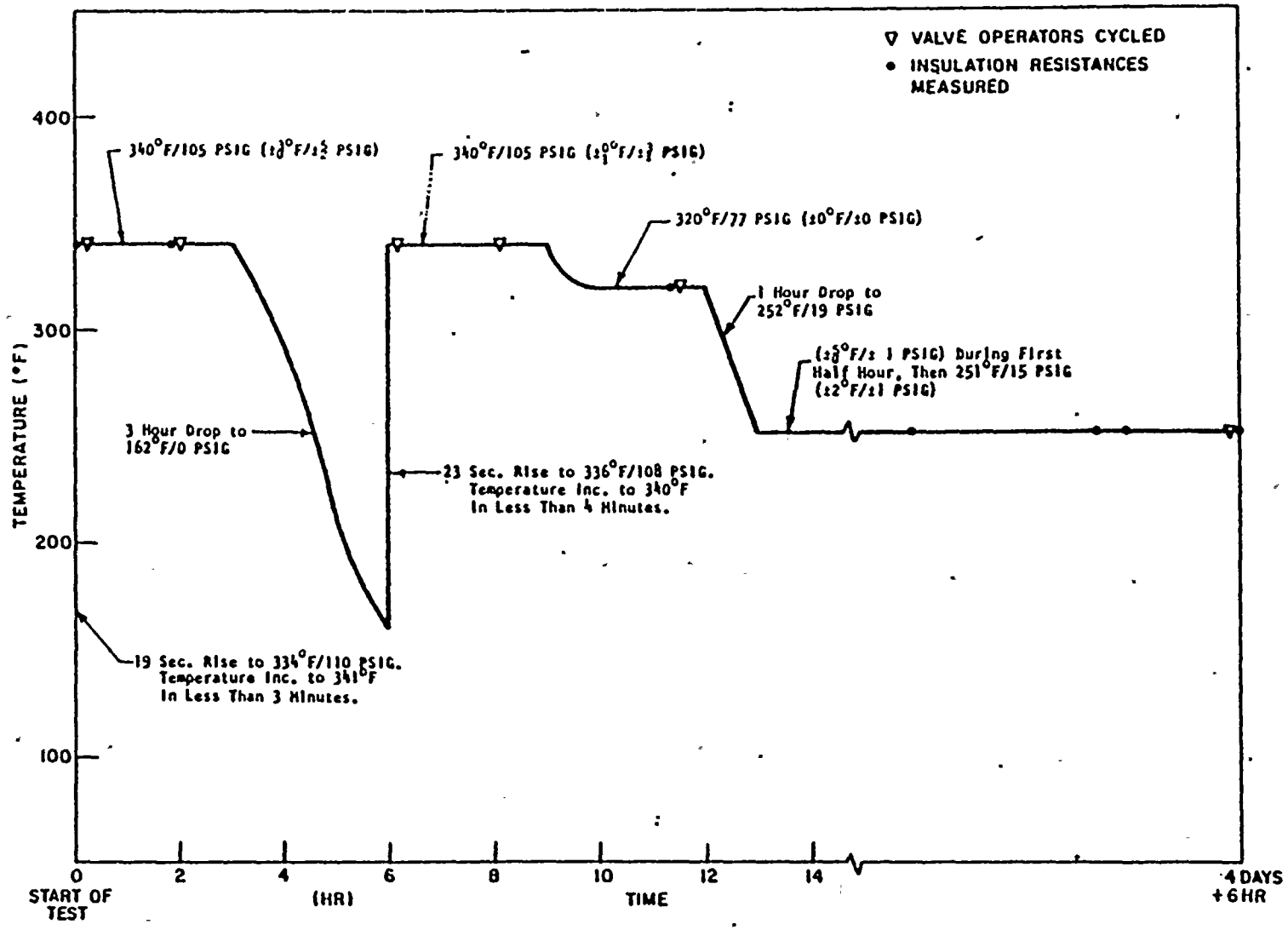

Figure 3. Actual Steam Exposure Profile

F-C3441

WPPSS QID #245003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02, 02H22

MPL: E21-N005
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Low Pressure Core Spray TAG NUMBER: LPCS-PIS-1	OPERATING TIME	24 hours		1			Note 1
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 9		2			
MANUFACTURER: Robertshaw	PRESSURE (PSIA)	Accident Profile 9		2			
MODEL NUMBER: SP-222-C	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident		2			
COMPONENT: Pressure Indicating Switch	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
FUNCTION/SERVICE: LPCS Pump 1 Pressure Indicating Switch	RADIATION (RAD)	5×10^5		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 471 COLUMN K/4.2	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. EDS Report #0740-004-471A	1. A documentation search is being performed to obtain qualification data.

WP-1061

WPPSS QID 256013

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E29

MPL:
PPD:

PAGE NO: 156
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Low Pressure Core Spray TAG NUMBER LPCS-PS-5	OPERATING TIME	1 hour	6 hours	1	4	Simultaneous Test	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4,9	212	2	5	Simultaneous Test	None
MANUFACTURER Barton	PRESSURE (PSIA)	Normal 14.7 Accident profile 9	Accident profile 9	2	N/A	N/A	None
MODEL NUMBER 288	RELATIVE HUMITY (%)	40 normal 90 max abnormal 100 accident	100	2	5	Simultaneous Test	None
COMPONENT Pressure Switch	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
FUNCTION/SERVICE LPCS pump discharge	RADIATION (RAD)	5.0×10^5	3×10^6	3	4,5	Seperate Test Engineering Analysis	None
	AGING	40 years	12 Year	2	4	Engineering Analysis	None Note 1
LOCATION: BLDG R ELEVATION 471 COLUMN K/4.2	ACCURACY		1.5% FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: A.C. Nadeau 8/28/82 Reviewed by: Raymond Chu 8/23/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, Dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004- 471A 4. QID File #086001 5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1, (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1001

WPPSS QID#256005

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E21

MPL: E21-N009
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Low Pressure Core Spray TAG NUMBER LPCS-PS-9	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Engineering Analysis and Simultaneous Test	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 9	212	2	5	Simultaneous Test	None
MANUFACTURER Barksdale	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9	Accident Profile 9	2	4,5	Engineering Analysis and Simultaneous Test	None
MODEL NUMBER P1H-M340SS-V COMPONENT Pressure Switch	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
FUNCTION/SERVICE LPCS Pump discharge to ADS	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5×10^5	2×10^6	3	4	Engineering Analysis	None
	AGING	40 years	16 years	2	4	Engineering Analysis	None Note 1
LOCATION: BLDG R ELEVATION 471 COLUMN K/4.2	ACCURACY		±1%		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nadim 8/29/82 Reviewed by: Raymond [illegible] 8/28/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September, 1982
2. FSAR Paragraph 3.11
3. EDS Report #0740-004-471A
4. QID# 256005
5. Barksdale Environmental (Steam) Test
   Delaval Turbine Inc., Barksdale Controls Division Test Procedure 9993, dated August 13, 1975.

NOTES

Qualified

1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1061

WPPSS QID #086001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E31

MPL: E31-N008A,B,C,D,9A,B,C,D
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-DPIS-8A, B, C, D 9A, B, C, D MANUFACTURER ITT Barton MODEL NUMBER 288, 288A COMPONENT Differential Pressure Indicating Switch FUNCTION/SERVICE PCIS Hi Steam Flow Line A LOCATION: BLDG R ELEVATION 501, 471 COLUMN H.6/7.3, L.9/3.6, M.6/8.1, M.5/4.5	OPERATING TIME	6 months	Equivalent to > 6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident Profile 4	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.0×10^5	3×10^6	3	4, 5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nadeem 8/28/82 Reviewed by: Raymond Chu 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment list, September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-471B, E, -571B, K 4. QID File #086001 5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1 (QSR-027-01)	Qualified. 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #086001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E31

MPL: E31-N010D
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-DPIS-11A, B, C, D MS-DPIS-10A, B, C, D MANUFACTURER Barton MODEL NUMBER 288A COMPONENT Differential Pressure Indicating Switch FUNCTION/SERVICE Isolation Valve Control LOCATION: BLDG R ELEVATION 506, 471 COLUMN H6/7.3 M6/8.1 L9/3.6 M5/4.5 L9/3.7	OPERATING TIME	1 hour	Equivalent to > 6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5×10^5	3×10^6	3	4, 5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 4/28/82 Reviewed by: [illegible] 8/23/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-471B 4. QID File #086001 5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1 (QSR-027-01)	Qualified 1. A preventative maintenance program is being developed to extend the qualified life.

WP-1001

WPPSS QID #091004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: B22-N032
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-DPT-32	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4		2			None
MANUFACTURER G.E.	PRESSURE (PSIA)	14.7		2			None
MODEL NUMBER C555011NAA4HCA COMPONENT Differential Pressure Transmitter	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			None
FUNCTION/SERVICE Main Steam Differential Pressure	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	7.1×10^4		3			None
	AGING	40 years		2			None
LOCATION: BLDG R ELEVATION 472 COLUMN J.7/8.0	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/23/82 Reviewed by: [illegible] 9/23/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-471D	1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function. Qualified.

WP-1081

WPPSS QID #156003, 156007, 156008

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: B22-N033A,B,C,D,34
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-FT-(see next page) MANUFACTURER G. E. MODEL NUMBER 50555111BHAAHCA COMPONENT Flow Transmitter FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 471 COLUMN M.5/4.5, M.7/4.4 M5/4.5, J6/3.1, J7/3.0	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,9		2			None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9		2			None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	5.0×10^5		3			None
	AGING	40 years		2			None
	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/26/82

Reviewed by: [illegible] 8/27/82

DOCUMENTATION REFERENCES

1. WNP Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-471B and D

NOTES

1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function.

   Qualified.

WP-1081

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	MS-FT-33A 33B 33C 33D 34A 34B 34C 34D 34E 34F 34G 34H 34J 34K 34M 34N 34P 34R 34S 34T 34U 34V 34W

WPPSS QID #198001,3,4,5

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02B22

MPL: B22-N024A,B,C,D: B22-N031A,B,C,D
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-LIS-24A, B, C, D -31A, B, C, D MANUFACTURER Barton MODEL NUMBER 288A COMPONENT Level Indicating Switch FUNCTION/SERVICE Main Steam Level Indication LOCATION: BLDG R ELEVATION 525 COLUMN H4/7.1 M7/6.8 N8/5.8 J9/4.5	OPERATING TIME	24 hours	Equivalent to > 6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4,23	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 23	Accident Profile 23	2	4, 5	Simultaneous Test, Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5	3×10^6	3	4, 5	Separate Effect Engineering Analysis	None Note 1
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/27/82 Reviewed by: Raymond Chi 9/27/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-522H 4. QID File #198001,3,4,5 5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1 (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1981

WPPSS QID # 198008
198002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02B22

MPL: B22-N036A,B,C,D
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-LIS-36A-D MANUFACTURER Yarway MODEL NUMBER 4418C COMPONENT Level Indicating Switch FUNCTION/SERVICE Main Steam Level Indicating Switch LOCATION: BLDG R ELEVATION 522 COLUMN J6/4.5 M7/6.8 J6/4.5	OPERATING TIME	24 hours	Equivalent to 24 hours	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 11	250	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11	Accident Profile 11	2	4,5	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5	1.5×10^6	3	4	Engineering Analysis	None
	AGING	40 years	17 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		1%		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond P. Pin

Reviewed by: Ali Nadim 4/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982. 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-522H 4. QID# 198008, 198002 5. Lockheed Electronics Test Report #5628-3509 dated 3/29/79.	1. A preventive maintenance/surveillance program is being developed to extend the qualified life Qualified

WP-1881

WPPSS QID #198001,3,6

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02B22

MPL: B22-N037A,B,C,D
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-LIS-37A, B, C, D -38A, B MANUFACTURER Barton MODEL NUMBER 288A COMPONENT Level Indicating Switch FUNCTION/SERVICE Main Steam Level Indication LOCATION: BLDG R ELEVATION 525 COLUMN J9/4.5 M7/6.8	OPERATING TIME	24 hours	24 hours	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4.11	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11	Accident Profile 11	2	4, 5	Simultaneous Test, Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5	3×10^6	3	4, 5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nadeem 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-522H 4. QID File #198001,3,6 5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1 (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #199001,2

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02B22

MPL: B22-N026A,B
PPD:

PAGE NO: 166
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-LITS-26 A,B,C,D 44 A,B MANUFACTURER Barton MODEL NUMBER 760 COMPONENT Level Indicating Transmitter Switch FUNCTION/SERVICE MS Level LOCATION: BLDG R ELEVATION 522 COLUMN J/4.5 J8/4.6 M7/6.8 M5/8.2 N8/5.8 N8/4.6	OPERATING TIME	24 hours		1			Note 1
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 11		2			
	PRESSURE (PSIA)	14.7 normal Accident profile 11		2			
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible]

Reviewed by: [illegible] 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-522H	1. Replacement options are being investigated.

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WPPSS QID #200002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02 B22

MPL: B22-F022,A,B,C,D
PPD:

PAGE NO: 167
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-LMS-(see note 2) MANUFACTURER Namco MODEL NUMBER EA700-86010 COMPONENT Limit Switch FUNCTION/SERVICE LOCATION: BLDG C ELEVATION 513 COLUMN 5,15,345,355°AZ	OPERATING TIME	24 hours	Note 1	1	3		
	TEMPERATURE (F)	135 normal 150 abnormal accident--profile 1		2			
	PRESSURE (PSIA)	14.7 normal 16.7 abnormal accident--profile 1		2			
	RELATIVE HUMITY (%)	55 normal 90 abnormal accident--profile 2		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	7.7×10^7		2			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond Chin 9/1/82

DOCUMENTATION REFERENCES

1. WNP-2 CIE Equipment List, 9/82
2. FSAR Paragraph 3.11
3. WPPSS Letter GE-02-JLS-81-021

NOTES

1. These limit switches are being replaced by Namco Limit Switch EA180, which is qualified to IEEE 323-74 and 344-75 (Ref. 3).
2. MS-LMS-22A1, -22A2, -22A3, -22B1, -22B2, -22B3, MS-LMS-22C1, -22C2, -22C3, -22D1, -22D2, -22D3

WP-1081

WPPSS QID #200002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02 B22

MPL: B22-F028,A,B,C,D
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-LMS-(see note 2) MANUFACTURER Namco MODEL NUMBER EA700-86010 COMPONENT Limit Switch FUNCTION/SERVICE	OPERATING TIME	24 hours	Note 1	1	4		
	TEMPERATURE (F)	125 normal 140 abnormal accident--profile 3,4		2			
	PRESSURE (PSIA)	normal 14.7 accident profile 3		2			
	RELATIVE HUMITY (%)	50 normal 98 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	4.2×10^6		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 511 COLUMN H.7/6.1	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 2/1/82 Reviewed by: Raymond [illegible] 2/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List, 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-5220 4. WPPSS Letter GE-02-JLS-81-021	1. These limit switches are being replaced by Namco Limit Switch EA 740, which is qualified to IEEE 323-74 and IEEE 344-75 (Ref. 4) 2. MS-LMS-28A1 MS-LMS-28C1 -28A2 -28C2 -28A3 -28C3 -28B1 -28D1 -28B2 -28D2 -28B3 -28D3

WP-1081

WPPSS QID #209005

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02H22

MPL: B22-N027
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-LT-27	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4		2			None
MANUFACTURER Bailey	PRESSURE (PSIA)	14.7		2			None
MODEL NUMBER 555 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			None
Level Transmitter FUNCTION/SERVICE	CHEMICAL SPRAY	N/A		2			None
Level Transmitter for Main Steam	RADIATION (RAD)	8.3×10^5		3			None
	AGING	40 years		2			None
LOCATION: BLDG R ELEVATION 524 COLUMN M.8/6.6	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Kangpoond Phir 8/28/82 Reviewed by: Ali Naderi 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-522H	1. This component is being replaced by Rosemount DPT 1153D qualified to IEEE 323-74 and 344-75.

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WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL: B22-F016
PPD:

PAGE NO: 170
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-MO-16 MANUFACTURER Limitorque MODEL NUMBER SMB-00-7.5/L56 COMPONENT Motor Operator - Reliance, RH insulation FUNCTION/SERVICE Operates drain isolation valve LOCATION: BLDG C ELEVATION 504 COLUMN 2° AZ	OPERATING TIME	6 months	30 days	4	3	Simultaneous Test	None
	TEMPERATURE (F)	135 max. normal 150 max. abnormal Accident: see profile 1	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 normal 16.7 abnormal Accident: see profile 1	See enclosed profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	55 max. normal 90 max. abnormal Accident profile 2	100	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	Demineralized water	Chemical Spray pH 10	1	3,5	Simultaneous Test	None
	RADIATION (RAD)	7.7×10^7	2.04×10^8	1	3	Sequential Test	None
	AGING	40 years	40 years	1	2,3,5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [signature] 8/27/82

Reviewed by: [signature] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Limitorque Report B0058 3. Limitorque Report 600376A 4. WNP-2 Class 1E Equipment List, September, 1982 5. QID #221001	Qualified.

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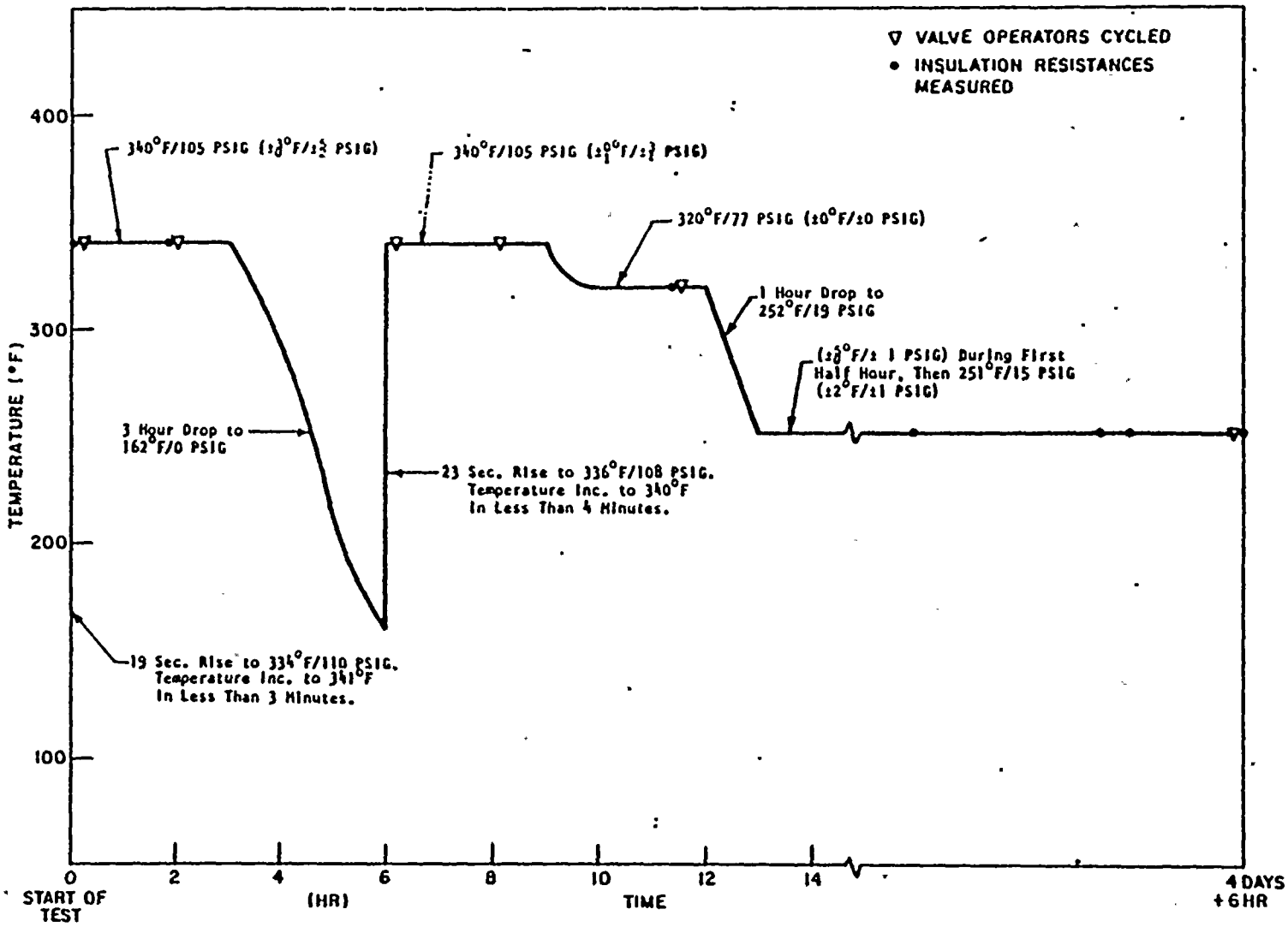

Figure 3. Actual Steam Exposure Profile

F-C3441

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL: B22-F019
PPD:

PAGE NO: 172
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-MO-19 MANUFACTURER Limitorque MODEL NUMBER SMB-000 -5/D56A COMPONENT Valve Motor Operator FUNCTION/SERVICE Operate MS Valve 19 LOCATION: BLDG R ELEVATION 501 COLUMN H8/6.2	OPERATING TIME	6 months	Equivalent to 6 months	1	3,4	Simultaneous Testing	None
	TEMPERATURE (F)	125 normal 140 max. abnormal accident--profile 3,4	See enclosed profile	1	3	Simultaneous Testing	None
	PRESSURE (PSIA)	Normal 14.7 Accident profile 3	See enclosed profile	1	3	Simultaneous Testing	None
	RELATIVE HUMITY (%)	50 normal 98 max. abnormal 100 accident	100%	1	3	Simultaneous Testing	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	4.2×10^6	1×10^7	2	3	Sequential Testing	None
	AGING	40 years	40 years+	1	3,4	Sequential Testing Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: Raymond Chi 8/23/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-5010 3. Limitorque Report B0009, 4/30/76 4. Applicability calculations in QID #221001 5. WNP-2 Class 1E Equipment List, September, 1982	Qualified.

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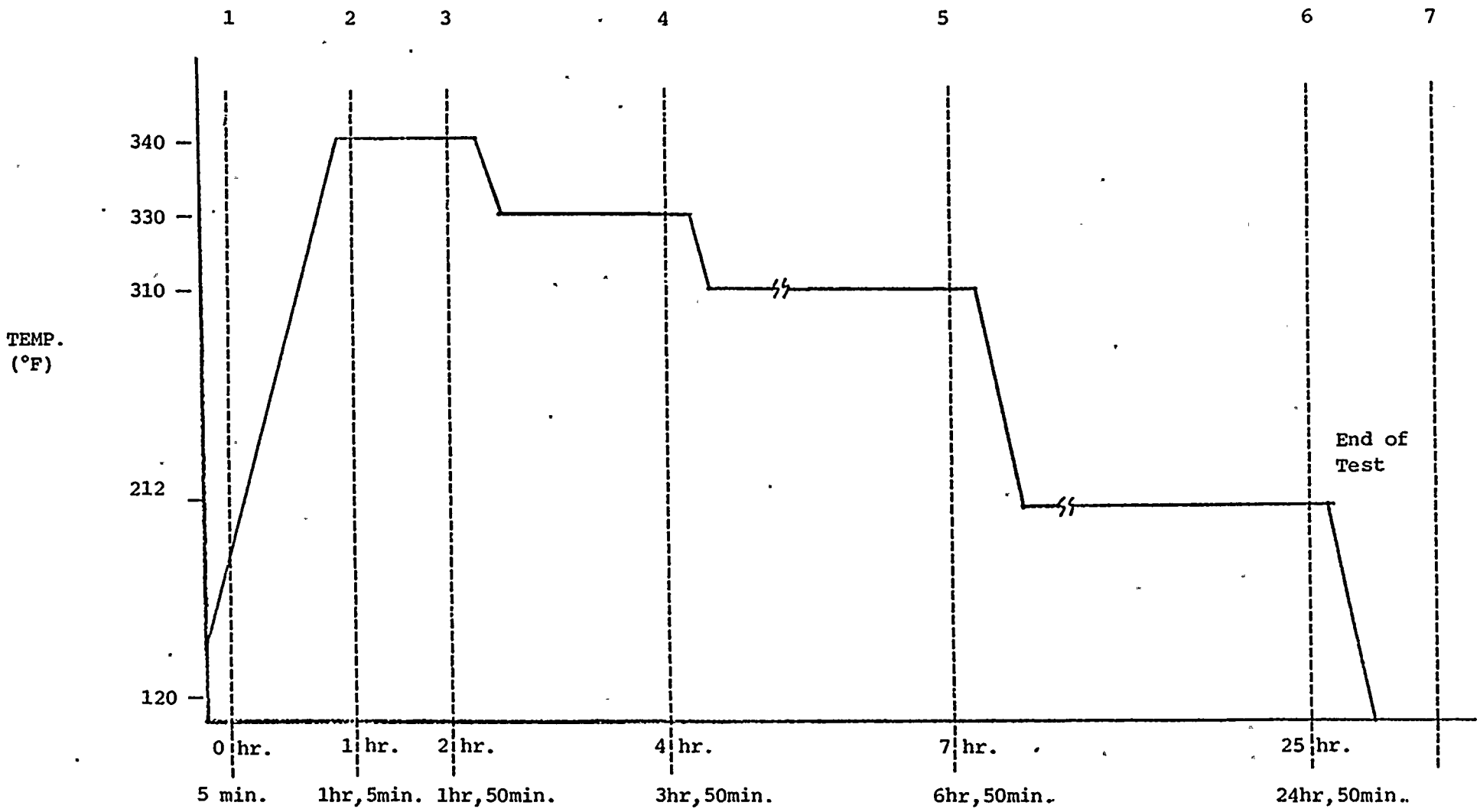
1
2
3
4
5
6
7
340
330
310
212
120
TEMP.
(°F)
End of
Test
0 hr.
1 hr.
2 hr.
4 hr.
7 hr.
25 hr.
5 min.
1hr,5min.
1hr,50min.
3hr,50min.
6hr,50min.
24hr,50min.

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL: B22-F067A, B, C, D
PPD:

PAGE NO: 174
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-MO-67A 67B 67C 67D MANUFACTURER Limitorque MODEL NUMBER SMB-000-5/ COMPONENT Valve Motor Operator FUNCTION/SERVICE Operate MS Valves 67A, 67B, 67C and 67D LOCATION: BLDG R ELEVATION 501 COLUMN H7/5.8, H7/6.4	OPERATING TIME	24 hours	30 Days	1	3	Simultaneous Test	None
	TEMPERATURE (F)	125 normal 140 max. abnormal accident--profile 3,4	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 3	See enclosed profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	50 normal 98 max. abonrmal 100 accident	100	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	4.2×10^6	2×10^8	2	3	Sequential Test	None
	AGING	40 years	40 years	1	3,4	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/23/82 Reviewed by: [illegible] 8/23/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-5010 3. Limitorque Report 600376A, 5/13/76 4. QID #221001	Qualified.

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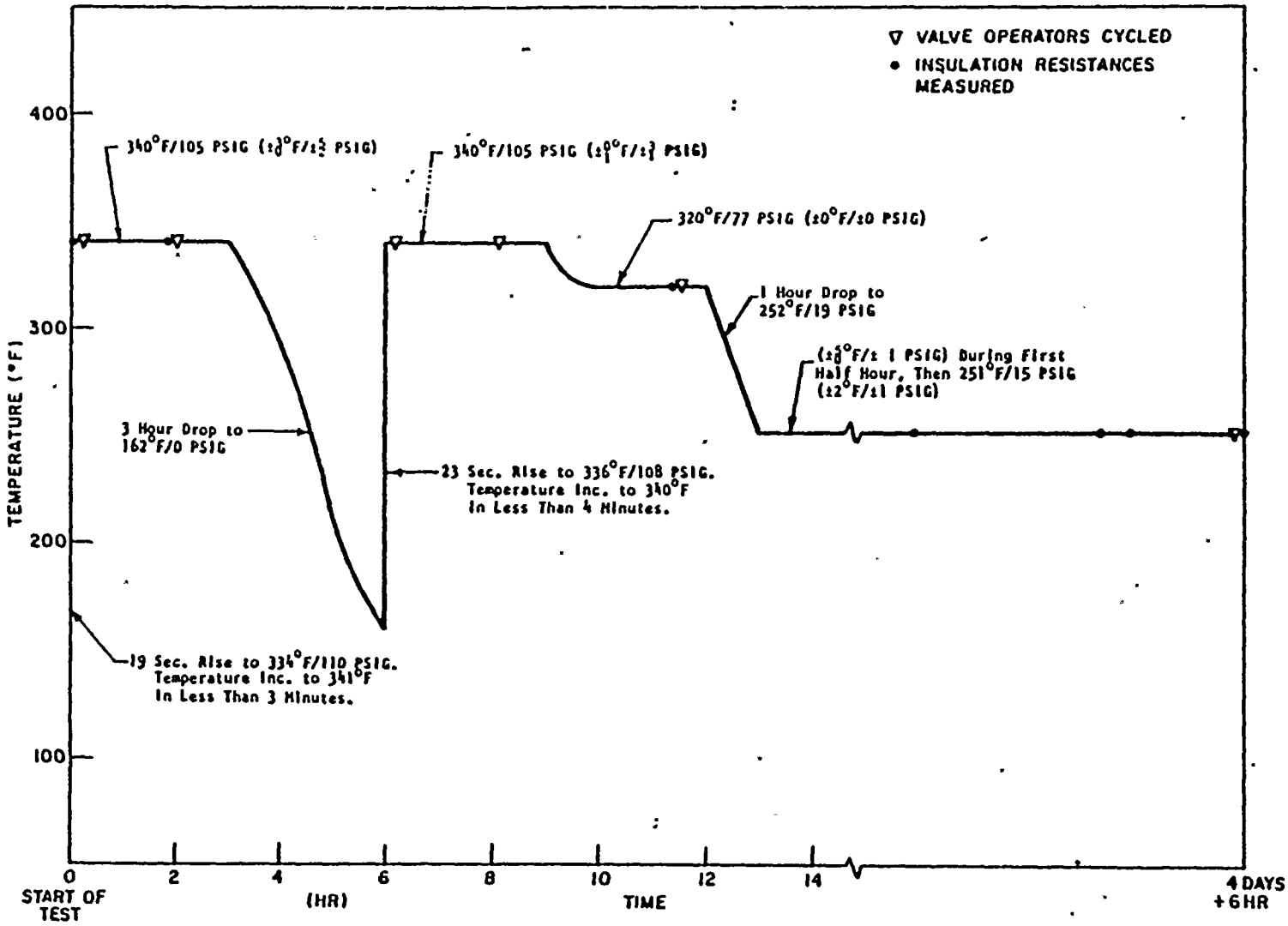

Figure 3. Actual Steam Exposure Profile

F-C3441

WPPSS QID #243007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: B22-R004
PPD:

PAGE NO: 176
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-PI-4A MANUFACTURER GE MODEL NUMBER Purchase Part Dwg #163C11-84P026 COMPONENT Pressure Indicator FUNCTION/SERVICE MS Pressure Indicator LOCATION: BLDG R ELEVATION 525 COLUMN J7/4.7	OPERATING TIME	24 hours	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal 150 accident		2			None
	PRESSURE (PSIA)	14.7		2			None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	5.2×10^4		3			None
	AGING	40 years		2			None
	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/28/82 Reviewed by: Raymond A. 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-522P	1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function. Qualified.

WP-1081

WPPSS QID# 256002

MPL: B22-N020A-D
B22-N023A-D
B22-N039 I
B22-N045A , C, D

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02B22

MPL: (See Above)
PPD:

PAGE NO: 177
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-PS-20A-D MS-PS-23A-D MS-PS-39I MS-PS-45A,C,D MANUFACTURER Barksdale MODEL NUMBER B1T-M12SS COMPONENT Pressure Switch FUNCTION/SERVICE See Note 2 LOCATION: BLDG R ELEVATION See Note 3 COLUMN See Note 3	OPERATING TIME	24 hours	Equivalent to>6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 11	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11	Accident Profile 11	2	4,5	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5	2×10^6	3	4	Engineering Analysis	None
	AGING	40 years	16 years	2	4	Engineering Analysis	None Note 1
	ACCURACY	N/A	±1%	N/A	5	Simultaneous Test	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 1/1/82 Reviewed by: [illegible] 2/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982. 2. FSAR paragraph 3.11 3. EDS Report No. 0740-004-522H 4. QID# 256002 5. Barksdale Environmental Test. Delaval Turbine Inc. Test Procedure 9993 Report Dated August 13, 1975.	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2. Function/Service

MS-PS-20A-D Main Steam Isolation Valve Scram Interlock

MS-PS-23A-D High Vessel Pressure

MS-PS-39A-N P,R,S,U,V Relief Valve Pressure Switch

MS-PS-45A-D Main Steam Pressure

3.

Tag Number	Elevation	Column
MS-PS-20A	525	J5/7.1
-20B	524	M7/6.8
-20C	425	N8/5.8
-23A	575	J9/4.5
-23B	524	M.7/6.8
-23C	526	N.8/5.8
-23D	524	J.9/4.5
-39I	530	J.9/4.5
-45A	524	J.5/4.5
-45C	524	M.7/6.8
-45D	524	M.7/6.8

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID #256016

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02B22

MPL: B22-N047A-D, N048A-D
PPD:

PAGE NO: 179
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-PS-47A-D MS-PS-48A-D MANUFACTURER Static-O-Ring MODEL NUMBER See Note 2 COMPONENT Pressure Switch FUNCTION/SERVICE Drywell Pressure Switch LOCATION: BLDG R ELEVATION See Note 2 COLUMN See Note 2	OPERATING TIME	24 hours	Equivalent to>6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 11	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11	Accident Profile 11	2	4,5	Simulatanous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5	8.3×10^5	3	4	Engineering Analysis	None
	AGING	40 years	26 years	2	4	Engineering Analysis	None
	ACCURACY		0.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond Chin 9/1/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated 9/82
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-522H
4. QID 256016
5. Viking Lab.Inc. Test letter Report #30203-2 dated 11/20/73. Steam testing of Static-O-Ring Pressure Switch, P/N 12N-AA4-TTX10.

NOTES

Qualified

1. A preventive maintenance/surveillance program is being developed to extend the qualified life.
2.

Tag #	Model #	Column	Elevation
MS-PS-47A,C	12N-AA5-X10TT	J.5/7.1	575
MS-PS-47B,D	12N-AA5-X10TT	N.8/5.8	526
MS-PS-48A,C	12N-AA5-X10 51TT	J.5/4.5	535
MS-PS-48B,D	12N-AA5-X10 51TT	M.7/6.8	527

WP-1681

WPPSS QID #259001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: #2808-02B22

MPL: B22-N051
PPD: 163C1292

PAGE NO: 180
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER HS-PT-51A -51B	OPERATING TIME	24 hours	Note 1	4	5		
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4,11		1			
MANUFACTURER Bailey	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11		1			
MODEL NUMBER 556 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max. accident		1			
Pressure Transmitter FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
Transmit Reactor Pressure	RADIATION (RAD)	8.3×10^5		3			
	AGING	40 years		1			
LOCATION: BLDG R ELEVATION 535, 523 COLUMN J.4/7.1 M.7/6.8	ACCURACY			2			

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/29/82 Reviewed by: Ali Nadeem 8/29/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. PPD 163C1292 3. EDS Study 0740-004-522P, H 4. WNP-2 Class 1E Equipment List, September 1982 5. WPPSS Letter GE-02-JLS-81-022	1. These transmitters are being replaced with Rosemount 1153, Series D, qualified to 323-74 and 344-75.

WP-1081

WPPSS QID #277002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02D17

MPL: D17-N003
PPD: 237X731

PAGE NO: 181
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-RE-3A, B, C, D MANUFACTURER General Electric MODEL NUMBER 237X731G001 COMPONENT Radiation Element FUNCTION/SERVICE Main steam lines radiation monitors LOCATION: BLDG R ELEVATION 508 COLUMN H7/6	OPERATING TIME	24 hours	Note 1	3			
	TEMPERATURE (F)	125 normal 140 max. abnormal Accident - profile 2		1			
	PRESSURE (PSIA)	14.7	N/R				
	RELATIVE HUMITY (%)	50 max. normal 98 max. abnormal 100 max. accident		1			
	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	4.2×10^6		2			
	AGING	40 years		1			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-501 0 3. WNP-2 Class 1E Equipment List dated 9/82	1. Discussions are being held with General Electric to obtain qualification data. Requalification activities will be implemented, if required.

WP-1081

WPPSS QID #315008

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02B22

MPL:
PPD:

PAGE NO: 182
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER MS-SPV-(See Note 1) MANUFACTURER Note 2 MODEL NUMBER Note 2 COMPONENT Solenoid Pilot Valve FUNCTION/SERVICE Solenoids for main steam relief valves LOCATION: BLDG C ELEVATION 543. COLUMN Various	OPERATING TIME	24 hours	Note 2				
	TEMPERATURE (F)	135 normal 150 max. abnormal Accident - profile 1					
	PRESSURE (PSIA)	16.7 normal Accident - profile 1					
	RELATIVE HUMITY (%)	55 normal 90 max. abnormal Accident Profile 2					
	CHEMICAL SPRAY	Demineralized water					
	RADIATION (RAD)	7.0×10^7					
	AGING	40 years					
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 1/2/82

Reviewed by: [illegible] 1/2/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. G.E. PED Engr. Memo No. 126-62, 1/15/75 3. WNP-2 Class 1E Equipment List, 9/82 4. QID 315008	1. EPN: MS-SPV-3DA, 3DB, 4AA, 4AB, 4BA, 4BB, 4CA, 4CB, 4DA, 4DB, 5BA, 5BB, 5CA, 5CB 2. The main steam relief valves are being redesigned by General Electric. The new solenoid pilot valves will be evaluated when they are identified.

WP-1081

WPPSS QID315011

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: B22-F022
PPD: 732E150V

PAGE NO: 183
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam TAG NUMBER HS-SPV (See Note 1) MANUFACTURER Asco MODEL NUMBER HTX-8320A20 COMPONENT Solenoid Pilot Valve FUNCTION/SERVICE Operate Inboard Main Steam Isolation Valves LOCATION: BLDG C ELEVATION 513 COLUMN 5^0, 15^0, 345^0, 355^0	OPERATING TIME	24 hours		1			Note 2
	TEMPERATURE (F)	135 normal 150 max abnormal Accident - profile 1, 2		2			
	PRESSURE (PSIA)	16.7 abnormal Accident - profile 1, 2		2			
	RELATIVE HUMITY (%)	55 normal 90 max abnormal 100 accident		2			
	CHEMICAL SPRAY	Demineralized water		2			
	RADIATION (RAD)	2.74×10^7		2			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. S. [illegible]

Reviewed by: [illegible]

DOCUMENTATION REFERENCES

1. WNP-2 CIE Equipment List dated 9/1/82.
2. FSAR Para 3.11

NOTES

1. HS-SPV-22A2, -22A3, HS-SPV-22B2, -22B3, HS-SPV-22C2, -22C3, HS-SPV-22D2, -22D3

2. To be replaced with NP8320A173E, see letter GE-02-JLS-81-023.

WP-1041

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02B22

MPL: B22-N004A-H, J-N, P, R, S, U, V
PPD:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam System TAG NUMBER MS-TE-4A, B, C, D, E, F, G, H, J, K, L, M, N, P, R, S, U, V MANUFACTURER PYCO MODEL NUMBER P.O. No. 133D9679P001 COMPONENT Temperature Element FUNCTION/SERVICE Temperature downstream of relief valves LOCATION: BLDG C ELEVATION 541 COLUMN	OPERATING TIME	24 hours	Note 1	2			
	TEMPERATURE (F)	135 normal 150 abnormal accident - profile 1		1			
	PRESSURE (PSIA)	14.7 normal 16.7 abnormal accident - profile 1		1			
	RELATIVE HUMITY (%)	40 normal 90 abnormal accident - profile 2		1			
	CHEMICAL SPRAY	Demineralized water spray		1			
	RADIATION (RAD)	7.0×10^7		1			
	AGING	40 years		1			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nader 9/4/82 Reviewed by: Raymond Chu 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 Class 1E Equipment List, September, 1982	1. Qualification data is being reviewed for applicability.

WP-1081

WPPSS QID #156001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-FT-3A, B, C, D MANUFACTURER Rosemount MODEL NUMBER 1153 COMPONENT Flow Transmitter FUNCTION/SERVICE Loops A,B,C, and D to manifold LOCATION: BLDG R ELEVATION 477 COLUMN H.4/5.8	OPERATING TIME	24 hours	Note 1	1	4		
	TEMPERATURE (F)	90 Max. Normal 104 Max. Abnormal Accident Profile 4, 9					
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9					
	RELATIVE HUMITY (%)	40 Normal 90 Max. Abnormal 100 Max. Accident					
	CHEMICAL SPRAY	N/A					
	RADIATION (RAD)	4.4×10^7					
	AGING	40 years					
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By: Ali Nadim 9/1/82 Reviewed By: Raymond Chu 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982. 2. FSAR Par. 3.11 3. EDS Study 0740-004-471J 4. PED 220-I-708	1. These components are being purchased qualified to IEE 323-74 and 344-75.

WP-1081

WPPSS QID #213020

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-28

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-M-1,2 MANUFACTURER Westinghouse MODEL NUMBER TBFC/76D56668 COMPONENT Motor FUNCTION/SERVICE 1.5 hp motor for MSLC-FN-1+,2+ LOCATION: BLDG R ELEVATION 473,501 COLUMN H.4/6.3 H.6/7.3	OPERATING TIME	24 hours	24 hours	1	4,5,6	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accidend Profile 4,9,10	484	2	4,5,6	Simultaneous Test and Engineering Analysis	None
	PRESSURE (PSIA)	Normal 14.7 Accident profile 9, 10	Accident profile 9, 10	2	4,5,6	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	4,5,6	Simultaneous Test and Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	4.4×10^7	1×10^8	3	4,5,6	Separate Effects and Engineering Analysis	None
	AGING	40 years	Note 1	2			
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Al Vandeli 9/4/82 Reviewed by: Alan Seiler 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82. 2. FSAR Paragraph 3.11 3. EDS Report #0740-004-471J 4. W Report #9112, Medium A.C. motors, dated Nov. 18, Rev. 4. 5. EPRI Report #RP-1707-3 6. QID #213020	Qualified 1. An evaluation is being performed to identify age susceptible parts and is scheduled for completion by December 1, 1982.

WP-1881

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-MO-See Note 1 MANUFACTURER Limitorque MODEL NUMBER SMB-000 -5/P48 COMPONENT Motor Operator FUNCTION/SERVICE Operate MSLC Valves LOCATION: BLDG R ELEVATION 501 COLUMN H.3/6.2	OPERATING TIME	24 hours	30 days	1	3	Simultaneous Test	None
	TEMPERATURE (F)	125 normal 140 max. abnormal Accident--profile 3	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 normal Accident--profile 3	See enclosed profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	50 normal 98 max. abnormal 100 accident	100	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	4.2×10^6	2×10^8	2	3	Simultaneous Test	None
	AGING	40 years	40 years	1	3,4	Simultaneous Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/28/82 Reviewed by: Mark Bell 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-5010 3. Limitorque Report 600376A, 5/13/76 4. QID #221001	1. -10 -3B Qualified -2A -3C -2B -3D -2C -4 -2D -5 -3A -9

WP-1981

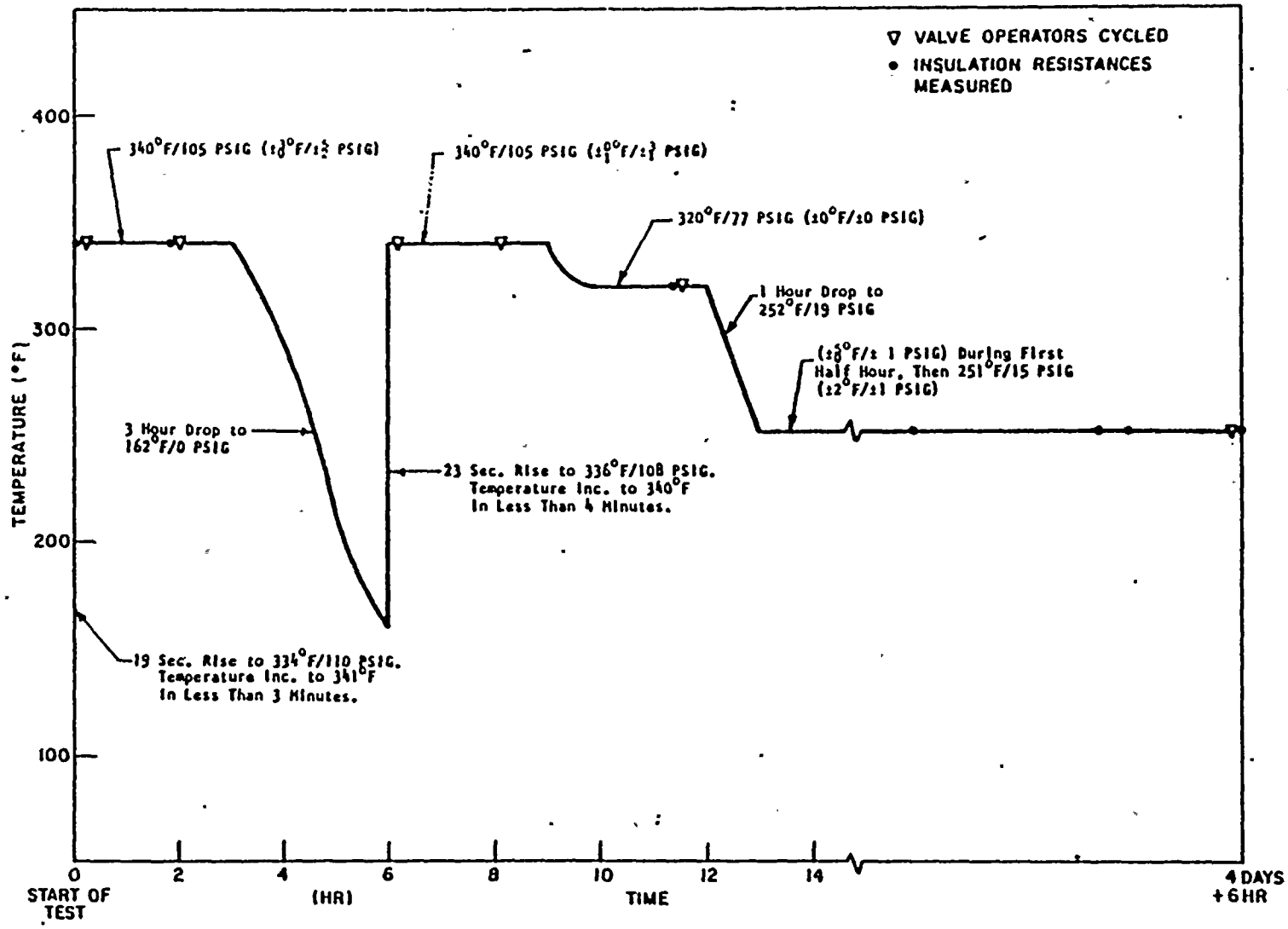


Figure 3. Actual Steam Exposure Profile

F-C3441

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-MO-1A -1B -1C -1D MANUFACTURER Limitorque MODEL NUMBER SMC-04-3/42 COMPONENT Valve Motor Operator (Reliance Class B) FUNCTION/SERVICE Operate MSLC Valves LOCATION: BLDG R ELEVATION 471 COLUMN H5/5.5	OPERATING TIME	24 hours	16 days	1	3	Simultaneous Test	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident profile 4,9	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9	See enclosed profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 100 max accident	Steam for 24 hours 100% for 15 days	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.2×10^7	2×10^7	2	3	Sequential Test	None
	AGING	40 years	40 years +	1	3,4	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/28/82 Reviewed by: Mark L Barr[illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-471J 3. Limitorque B0003 with Addendum A, dated 5/8/76 (BWR 054-C-04) 4. QID #221001	Qualified.

WP-1081

TEMPERATURE PROFILE

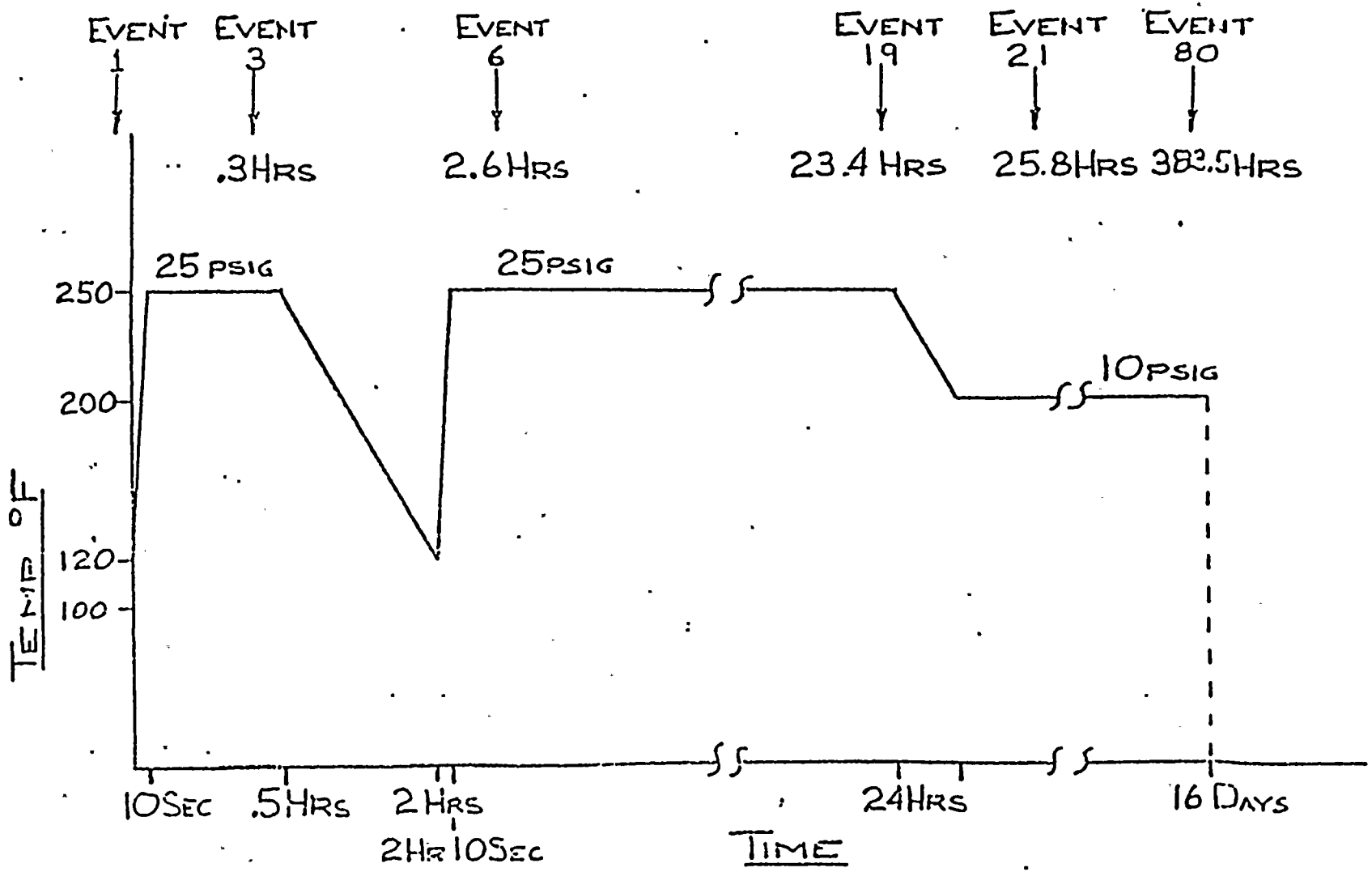


FIGURE 1

WPPSS QID #256007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

PAGE NO: 191
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-PS-20, 24, 25, 60, 7A, 7B, 7C, 7D, 70A, 70B 70C, 70D, 8A,B,C,D MANUFACTURER Barton MODEL NUMBER 288A, 288 COMPONENT Pressure Switch FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 522, 528 COLUMN J.5/7.1, H.4/3.2	OPERATING TIME	24 hours	6 months	1	4, 5	Simulation Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4,11	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11	Accident Profile 11	2	4, 5	Simultaneous Test, Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.3×10^4	3×10^6	3	4,.5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 6/28/82 Reviewed by: Raymond Chu 8/24/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-522K, 522P 4. QID File #256007 5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1, (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #259003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-59
MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-PT-6A, B, C, D -23 MANUFACTURER Rosemount MODEL NUMBER 1151GP9A22MBGE3 COMPONENT Pressure Transmitter FUNCTION/SERVICE Monitors Main Steam Line Pressure LOCATION: BLDG R ELEVATION 522 COLUMN H4/4.2 H4/7.1	OPERATING TIME	6 months	Equivalent to 6 months	5	2,6,8	Separate Effects Engineering Analysis	None Note 1
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident profile 4, 11	300	1	2	Separate Effects	None
	PRESSURE (PSIA)	Normal 14.7 Accident profile 11	14.7	1	8	Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 max accident 100 max accident	100	1	7	Separate Effects	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	5.3×10^4	2×10^6	4	3	Separate Effects	None
	AGING	40 years	Note 2	2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/18/82 Reviewed by: [illegible] 8/18/82

DOCUMENTATION REFERENCES

1. FSAR Par. 3.11
2. Rosemount Report 97251A dated 2/9/72
3. Rosemount Report 127227 dated 12/27/72
4. EDS Study 0740-004-522P
5. WNP-2 Class 1E Equipment List dated September, 1982.
6. Rosemount Product Data Sheet 2256
7. Rosemount Report 117415 dated 9/19/75
8. QID file #259003

NOTES

Qualified
1. Test data and equipment specification data specs indicate the component will operate 6 months at the required temperatures.
2. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

WP-1081

WPPSS QID #283015

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58 & 218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-RLY- (see Note 2) MANUFACTURER ASEA MODEL NUMBER RK223067-EP COMPONENT Relay FUNCTION/SERVICE MSLC Control and Pressure Interlocks LOCATION: BLDG R ELEVATION 522 COLUMN H4/4.2, H4/7.1	OPERATING TIME	24 hours	Note 1	3	4		
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident-Profile 4,11		1			
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11		1			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max. accident		1			
	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	2.0×10^4		2			
	AGING	40 years		1			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible]

Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-522P, 522K 3. WNP-2 Class 1E Equipment List, dated September, 1982 4. Letter GE-02-JLS-82-012	1. These components are scheduled to be tested.

WP-1081

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	2. TAG NUMBERS -CR/1 -CR/1A -CR/1B -CR/1C -CR/1D -CR/12 -CR/13 -CR/3 -CR/5A1 -CR/5C1 -CR/5D1 -CR/6A1 -CR/6B1 -CR/6C1 -CR/6D1 -CR/9

WPPSS QID #283041

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-RLY-CR/5 MANUFACTURER Struthers Dunn MODEL NUMBER 219XDXP COMPONENT Relay FUNCTION/SERVICE Atmosphere pressure control interlock LOCATION: BLDG R ELEVATION 522 COLUMN H.4/7.1	OPERATING TIME	24 hours	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal Accident - profile 4, 11		2			
	PRESSURE (PSIA)	14.7 normal Accident - profile 11		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	2.0×10^4		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By: [illegible] 9/5/82 Reviewed By: [illegible] 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment list dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-522K 4. EDI-4.8, Paragraph 5.1,I	1. The vendor is currently testing the component. The data will be reviewed when it is received.

WP-1081

WPPSS QID #283015

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-RLY-CR/10, 11 MANUFACTURER ASEA MODEL NUMBER RXOMH2-069EP COMPONENT Relay FUNCTION/SERVICE MSIV closure interlock, MS-MSLC control interlock LOCATION: BLDG R ELEVATION 522 COLUMN H.4/4.2	OPERATING TIME	24 Hours	Note 1	3	4		
	TEMPERATURE (F)	90 normal 104 abnormal Profile 4, 11		1			
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11		1			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max. accident		1			
	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	5.3×10^4		2			
	AGING	40 years		1			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-522P 3. WNP-2 Class 1E Equipment List dated September, 1982 4. Letter GE-02-JLS-82-012	1. These components are scheduled to be tested.

WP-1081

WPPSS QID #283011, 238015

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-RLY-CR/Note 2 MANUFACTURER ASEA MODEL NUMBER RK225-52-CP, EP COMPONENT Relay FUNCTION/SERVICE MSLC Pressure Interlock LOCATION: BLDG R ELEVATION 522 COLUMN H.4/4.2	OPERATING TIME	24 hours	Note 1	3	4		
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4, 11		1			
	PRESSURE (PSIA)	Normal 14.7 Accident-Profile 11		1			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max accident		1			
	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	5.3×10^4		2			
	AGING	40 years		1			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 11/1/82

Reviewed by: [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-522P 3. WNP-2 Class 1E Equipment List dated September, 1982 4. Letter GE-02-JLS-82-012	1. These components are scheduled to be tested. 2. TAG Numbers MSLC-RLY-CR/5A2, 5B1, 5B2, 5C2, 5D2, 6A2, 6B2, 6C2, 6D2

WP-1081

WPPSS QID #283015

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-RLY-CR/4	OPERATING TIME	24 hours	Note 1	3	4		
	TEMPERATURE (F)	90 normal 104 abnormal accident-profile 4, 11		1			
MANUFACTURER ASEA	PRESSURE (PSIA)	Normal 14.7 accident profile 11		1			
MODEL NUMBER RSMH2-RK223-067EP COMPONENT Relay	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max. accident		1			
FUNCTION/SERVICE Control Switch Interlock	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	2.0×10^4		2			
	AGING	40 years		1			
LOCATION: BLDG R ELEVATION 522 COLUMN H.4/7.1	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] Reviewed by: [illegible] 9/7/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-522K 3. WNP-2 Class 1E Equipment List dated September, 1982 4. Letter GE-02-JLS-82-012	1. These components are scheduled to be tested.

WP-1081

WPPSS QID #283015

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-RLY-CR/8	OPERATING TIME	24 hours	Note 1	3	4		
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4, 11		1			
MANUFACTURER ASEA	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11		1			
MODEL NUMBER RR223067-EP COMPONENT Relay	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max. accident		1			
FUNCTION/SERVICE Control Switch Interlock	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	5.3×10^4		2			
	AGING	40 years		1			
LOCATION: BLDG R ELEVATION 528 COLUMN H.4/4.2	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/2/82

Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-522P 3. WNP-2 Class 1E Equipment List dated September, 1982 4. Letter GE-02-JLS-82-012	1. These components are scheduled to be tested.

WP-1081

WPPSS QID #283013

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Main Steam Leakage Control TAG NUMBER MSLC-RLY-TK-2A, 2B, 2C, -2D, 3A, 3B, -3C, 3D, 2, -4A, 4B, 4C, -4D, MANUFACTURER Agastat Relay MODEL NUMBER 7012AE COMPONENT Time Delay Relay FUNCTION/SERVICE MS - MSLC Interlock LOCATION: BLDG R ELEVATION 522 COLUMN H4/4.2, H4/7.1	OPERATING TIME	24 hours	100 days	4	2	Simultaneous Test	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Profile 4,11	150	1	2	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11	Profile 11	1	2	Simultaneous Test, Engineering Analysis	None
	RELATIVE HUMITY (%)	40 max normal 90 max abnormal 80 accident	95	1	2	Sequential Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	5.3×10^4	1×10^7	3	2	Sequential Test	None
	AGING	40 years	Note 1	1			None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond Che 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. MCC Powers Report 734-79.002, 9/3/79 3. EDS Study 0740-004-522P, 522K 4. WNP-2 Class 1E Equipment List dated September, 1982	Qualified 1. An evaluation is being performed to identify age susceptible parts and is scheduled for completion by December 1, 1982.

WP-1001

WPPSS QID #324002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

REVISION: 2
DATE: September 1982

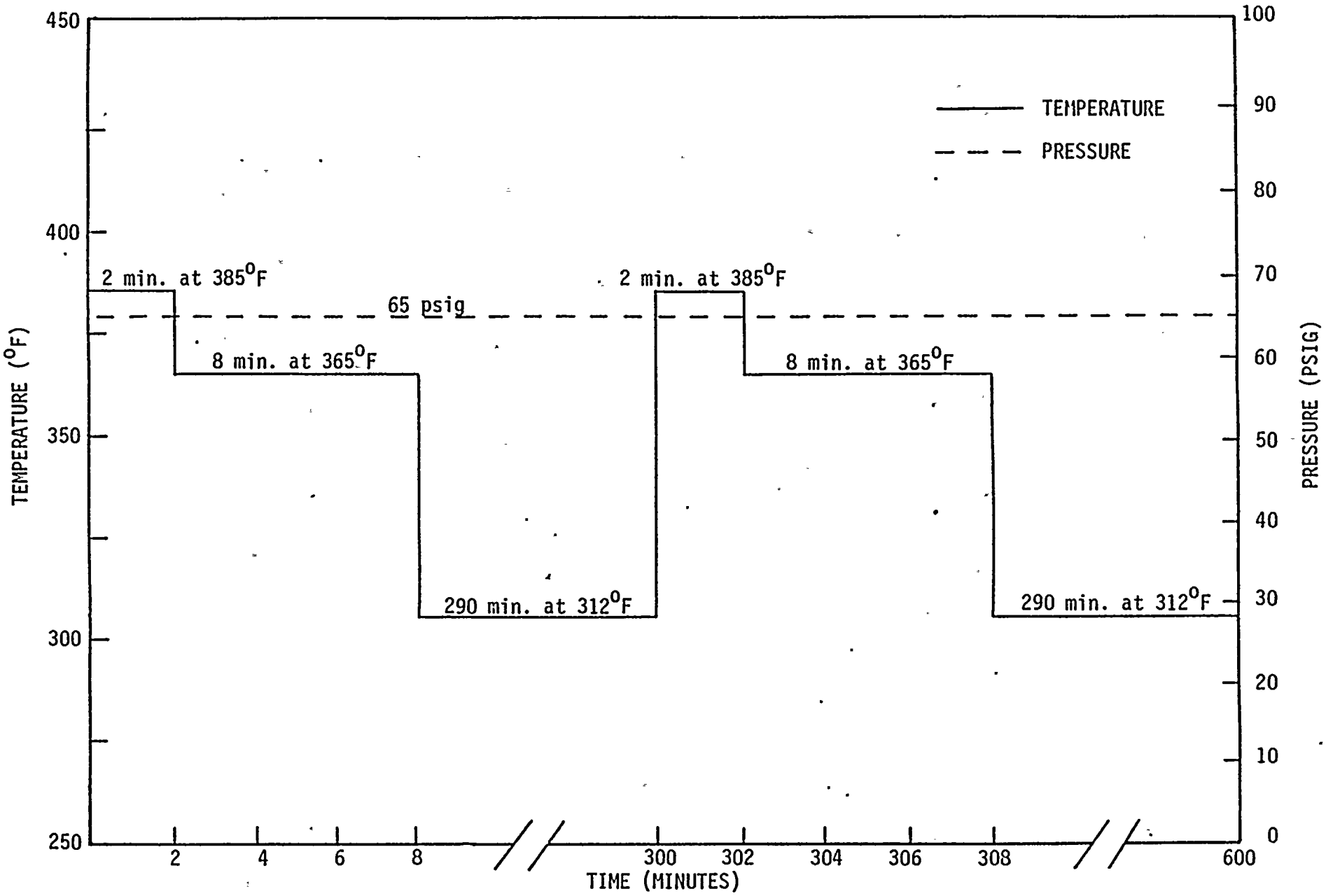
EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS.
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Process Instrumentation TAG NUMBER PI-SV-250, 251, 253, 256, 257, 259, 262, 263, 264, 266, 267, 268	OPERATING TIME	4320 hours	Equivalent to > 6 months	4	3,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max.normal 104 max. abnormal Accident Profile 4	See enclosed profile.	1	3	Simultaneous Test	None
MANUFACTURER Target Rock	PRESSURE (PSIA)	14.7	N/R	1	N/	N/A	None
MODEL NUMBER 79-TT-001 COMPONENT Root Value	RELATIVE HUMITY (%)	40 normal 29 max. abnormal Accident Profile 4	92	1	3	Simultaneous Test	None
FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	8.3×10^5	2.27×10^7	2	3	Sequential Test	None
	AGING	40 years	23 years	1	3,5	Sequential Test Engineering Analysis	Note 1 None
LOCATION: BLDG R ELEVATION 536 COLUMN 250, 251,253-M.8/6.3 256, 247,259-J.5/4.8	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Report 0740-004-522B, 522H 3. TRC Report 2375A, QID 324002 4. WNP-2 Class 1E Equipment List, 9/82. 5. QID #324002	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1881



ENVIRONMENTAL QUALIFICATION TEST PROFILE FOR TARGET ROCK SOLENOID VALVES

WPPSS QID #324002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Process Instrumentation TAG NUMBER PI-SV-265, 269	OPERATING TIME	6 months	Equivalent to > 6 months	4	3,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	See enclosed profile	1	3	Simultaneous Test	None
MANUFACTURER Target Rock	PRESSURE (PSIA)	14.7 PSIA	N/R	1	N/A	N/A	None
MODEL NUMBER 1021010-3-8-1-S COMPONENT Root Valve	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal Accident Profile 4	92	1	3	Simultaneous Test	None
FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/R	1	N/A	N/A	None
	RADIATION (RAD)	5.0×10^5	2.27×10^7	2	3	Sequential Test	None
	AGING	40 years	23 years	1	3,5	Sequential Test Engineering Analysis	Note 1
LOCATION: BLDG R ELEVATION 479, 536 COLUMN See Note 2	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82

Reviewed by: Raymond Chu 9/1/82

DOCUMENTATION REFERENCES

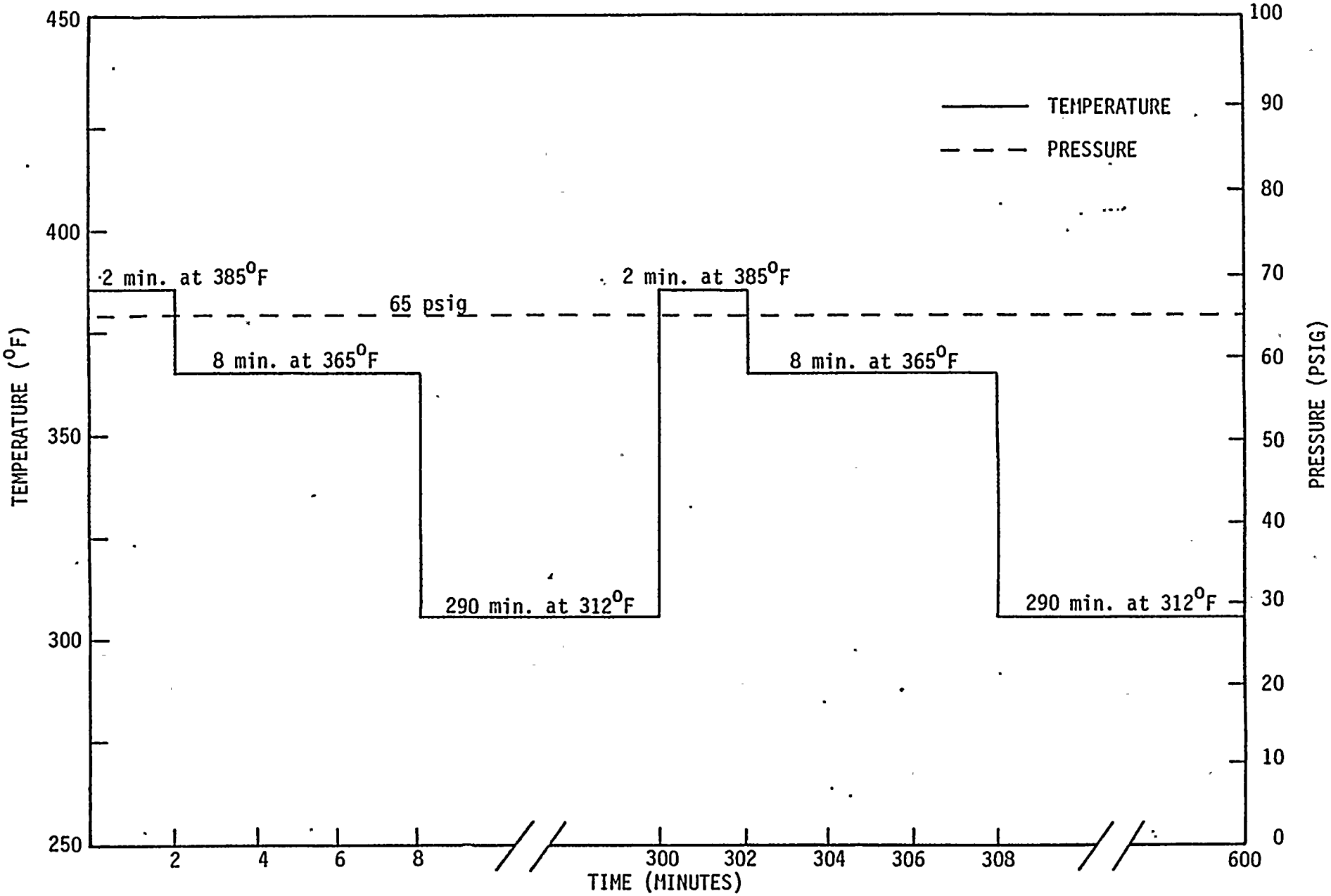
1. FSAR Par. 3.11
2. EDS Report 0740-004-471A
3. TRC Report 2375A, QID 324002
4. WNP-2 Class 1E Equipment List, dated 9/82
5. QID #324002

NOTES

Qualified

1. A preventive maintenance/surveillance program is being developed to extend the qualified life.
2. PI-SV-265 is at Containment Penetration AZ 230°
   PI-SV-269 is at Containment Penetration AZ 40°

WP-1081



ENVIRONMENTAL QUALIFICATION TEST PROFILE FOR TARGET ROCK SOLENOID VALVES

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Closed Cooling Water TAG NUMBER RCC-MO-104 MANUFACTURER Limitorque MODEL NUMBER SMB-0 COMPONENT Motor Operator FUNCTION/SERVICE Motor Operator for RCC-V-104 LOCATION: BLDG R ELEVATION 514 COLUMN K.0/4.3	OPERATING TIME	.017 hours	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident profile 4		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	2.6×10^6		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Richmond Ojo. 9/1/82 Reviewed by: [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-501S	1. These components are on order. The qualification documentation will be reveiwed when it is received.

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WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Closed Cooling Water TAG NUMBER RCC-MO-129 -130 -131 MANUFACTURER Limitorque MODEL NUMBER SMB COMPONENT Valve Motor Operator FUNCTION/SERVICE Operate RCC Valves LOCATION: BLDG R ELEVATION 548 COLUMN Note 1	OPERATING TIME	24 hours	Equivalent to > 6 months	1	3,4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/A	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4	100%	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.5×10^5	2×10^7	2	3	Sequential Test	None
	AGING	40 years	40 years +	1	3,4	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: Raymond Chi 8/25/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-548L 3. Limitorque Report B0003 with Addendum A dated 5/8/76 in BWR-054-C-04 4. Calculations in QID 221001	1. Qualified Located in Zone 548L from zone maps of EDS Study 0740-004.

WP-1081

TEMPERATURE PROFILE

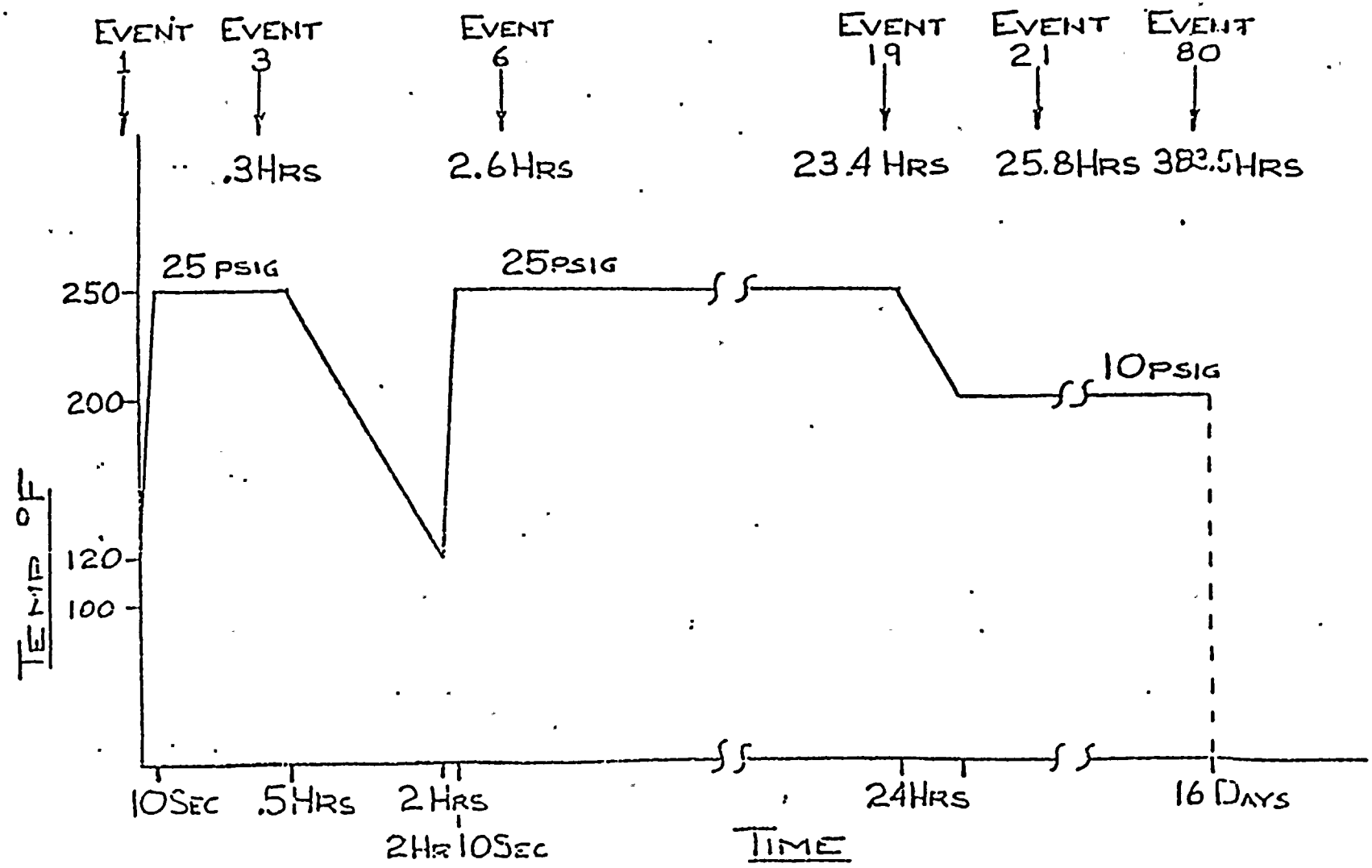

FIGURE 1

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID #221001

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Closed Cooling Water TAG NUMBER RCC-MO-5 RCC-MO-21 MANUFACTURER Limitorque MODEL NUMBER SMB-0-15/M56 COMPONENT Motor Operator FUNCTION/SERVICE 1HP 2.8A Motor Operator RCC-V-5 LOCATION: BLDG R ELEVATION 515 COLUMN K8/4.1, K7/4.1	OPERATING TIME	.017 hours	16 days	1	4	Engineering Analysis Sequential Test	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	see enclosed profile	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	see enclosed profile	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
	RADIATION (RAD)	2.6×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Oh 8/28/82

Reviewed by: Alan Baker 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-501 4. Limitorque Test Report B0003, 5/8/76 5. QID 221001	Qualified.

WP-1881

TEMPERATURE PROFILE

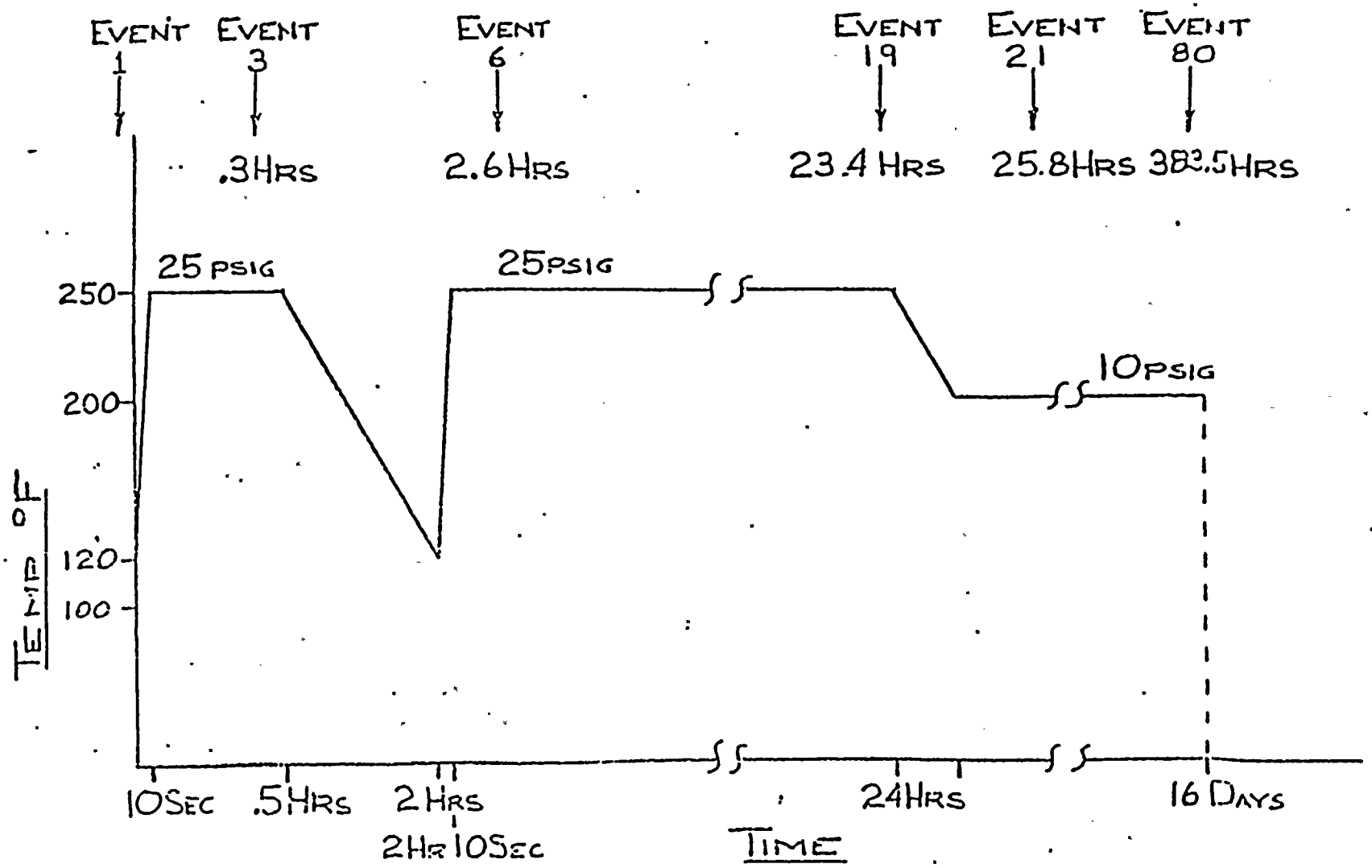

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Closed Cooling Water TAG NUMBER RCC-MO-40 MANUFACTURER Limitorque MODEL NUMBER SMB-0-10/L56 COMPONENT Motor Operator Motor Reliance, Class B Insulation FUNCTION/SERVICE 0.7 HP 2.3A Motor Operator RCC-V-40 LOCATION: BLDG C ELEVATION 517 COLUMN 78° AZ	OPERATING TIME	.017 hours	Equivalent to > 6 months	1	3,4	Simultaneous Test Engineering Analysis	Note 1
	TEMPERATURE (F)	135 normal 150 abnormal Accident--profile 1	See enclosed profile	2	3	Simultaneous Test	Note 1
	PRESSURE (PSIA)	14.7 normal 16.7 abnormal Accident--profile 1	See enclosed profile	2	3	Simultaneous Test	Note 1
	RELATIVE HUMITY (%)	55 normal 90 abnormal Accident--profile 2	100	2	3	Simultaneous Test	Note 1
	CHEMICAL SPRAY	Demineralized Water	None	2			Note 1
	RADIATION (RAD)	7.7×10^7	2×10^7	2	3	Sequential Test	Note 1
	AGING	40 years	40 years	2	3,4	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated September 1982. 2. FSAR Par. 3.11 3. Limitorque Test Report B0003 4. QID 221001	1. The operator motor is being replaced with a motor qualified to the required service conditions.

WP-1081

TEMPERATURE PROFILE

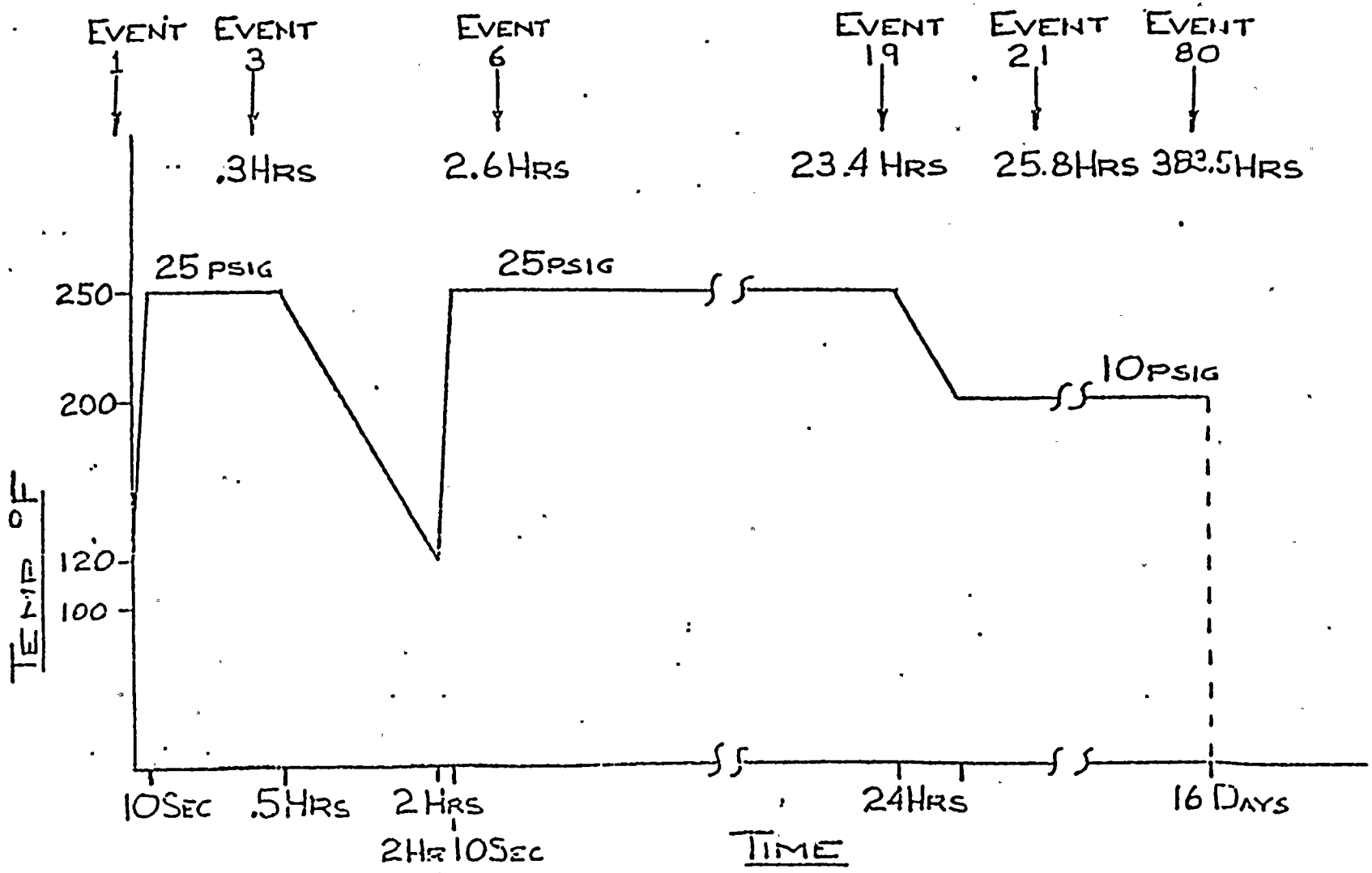

FIGURE 1

WPPSS QID #086001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E51

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-DPIS-13 A, B -7 A, B MANUFACTURER Barton MODEL NUMBER 288A COMPONENT Differential pressure switch FUNCTION/SERVICE RCIC Steam high flow LOCATION: BLDG R ELEVATION 471 COLUMN L.0/8.0 K.9/3.9	OPERATING TIME	24 hours	Equivalent to >6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4	212	2	5	Simultaneous Test	
	PRESSURE (PSIA)	14.7	N/A	2	4,5	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal accident profile 4	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.0×10^5	3×10^6	3	4,5	Separate Test Engineering Analysis	None
	AGING	40 years	12 years	2	4,5	Engineering Analysis	None Note 1
	ACCURACY		1.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 9/4/82 Reviewed by: Ann Sieber 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-471A, D 4. QID File #086001 5. Qualification Test Report for Barton 288 Switch, Report #R3-288A-1 (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #200004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-69

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-LMS-65	OPERATING TIME	24 hours	Note 1	1			
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4		2			
MANUFACTURER NAMCO	PRESSURE (PSIA)	14.7		2			
MODEL NUMBER SAI133 COMPONENT Limit Switch	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4		2			
FUNCTION/SERVICE Limit Switch for RCIC-V-65	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	1.6×10^6		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 568 COLUMN M.6/5.4	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] Reviewed by: Raymond Ch 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004-548H	1. These limit switches are being replaced by the limit switches qualified to IEEE 323-74 and 344-75.

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-LMS-66	OPERATING TIME	24 hours	Note 1	1			
	TEMPERATURE (F)	135 Normal 150 Abnormal Accident Profile 1		1			
MANUFACTURER	PRESSURE (PSIA)	Normal 16.7 Accident Profile 1		1			
MODEL NUMBER COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 2		1			
FUNCTION/SERVICE Limit Switch RCIC-V-66	CHEMICAL SPRAY	Demineralized water		1			
	RADIATION (RAD)	7.0×10^7		2			
	AGING	40 years		1			
LOCATION: BLDG C ELEVATION 606 COLUMN 150° AZ	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: _____

Reviewed by: Raymond Chi 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 Class 1E Equipment List, September, 1982	1. These components are on order. The qualification documentation will be reviewed when it is received.

WP-1081

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-MO-13 RCIC-MO-64	OPERATING TIME	24 hours	Equivalent to > 6 months	5	3,4	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 maximum normal 104 maximum abnormal Accident Profile 4	See enclosed profile	1	3	Simultaneous Test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	14.7	N/A	1	N/A	N/A	None
MODEL NUMBER SMB-0-40/D202G SMB-2-80/DS224B COMPONENT	RELATIVE HUMITY (%)	40 normal 90 maximum abnormal Accident Profile 4	100	1	3	Simultaneous Test	None
Valve Motor Operator FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
Operate RCIC valves	RADIATION (RAD)	3.4×10^6	1×10^7	2	3	Sequential Test	None
	AGING	40 years	40+ years	1	3, 4	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 551 548 COLUMN M5/5.7 L7/4.6	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/23/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-548B 3. Limitorque Report B0009, 4/30/76 4. Application calculations in QID 221001 5. WNP-2 Class 1E Equipment List, September, 1982	Qualified.

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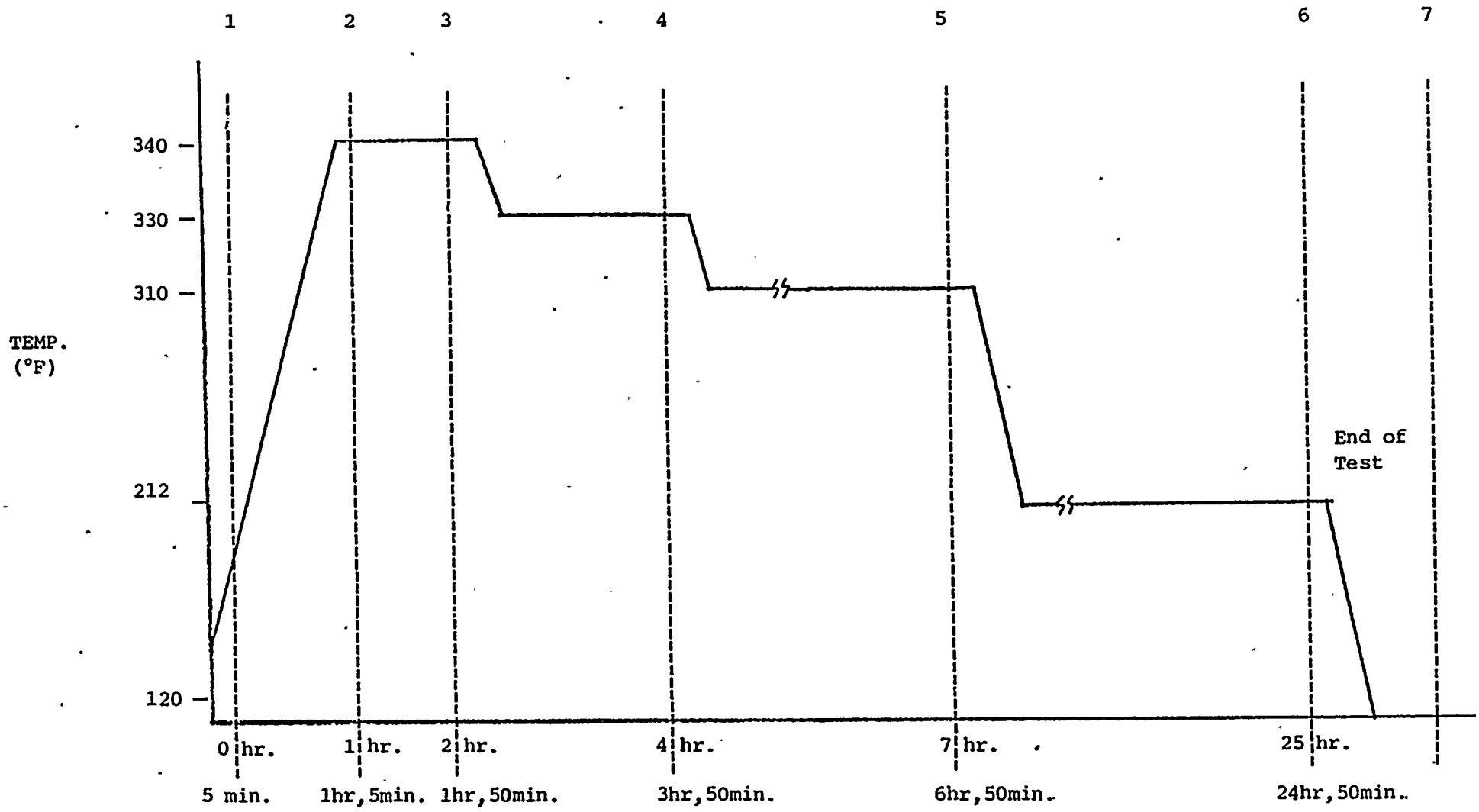
1
2
3
4
5
6
7
340
330
310
212
120
TEMP.
(°F)
End of
Test
0 hr.
1 hr.
2 hr.
4 hr.
7 hr.
25 hr.
5 min.
1hr,5min.
1hr,50min.
3hr,50min.
6hr,50min.
24hr,50min.

WPPSS

QID#221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-MO-19 MANUFACTURER limitorque MODEL NUMBER SMB-000-P56 COMPONENT Motor operator FUNCTION/SERVICE Motor operator for RCIC-V-19 LOCATION: BLDG R ELEVATION 441I COLUMN J.4/7.7	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4, 6, 7		2			
	PRESSURE (PSIA)	Normal 14.7 accident profile 6, 7		2			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max. accident		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	4.0×10^6		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82

Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-441I	1. This motor operator is not installed. The evaluations will be performed when the motor data becomes available.

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WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-MO-31	OPERATING TIME	6 months	16 days	1	4	Simultaneous Test	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4,6,7	see enclosed profile	2	4	Simultaneous Test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	Normal 14.7 Accident Profile 6,7		2			None
MODEL NUMBER SMB-00-15/R56 COMPONENT - Motor Operator	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	4	Simultaneous Test	None
Motor: Reliance Insulation: Class B FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
Operates suppression pool suction valve	RADIATION (RAD)	4.0×10^6	2.0×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 450 COLUMN H.8/7.0	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/28/82

Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-441I 4. Limitorque Test Report B0003 5. QID 221001	Qualified.

WP-1081

TEMPERATURE PROFILE

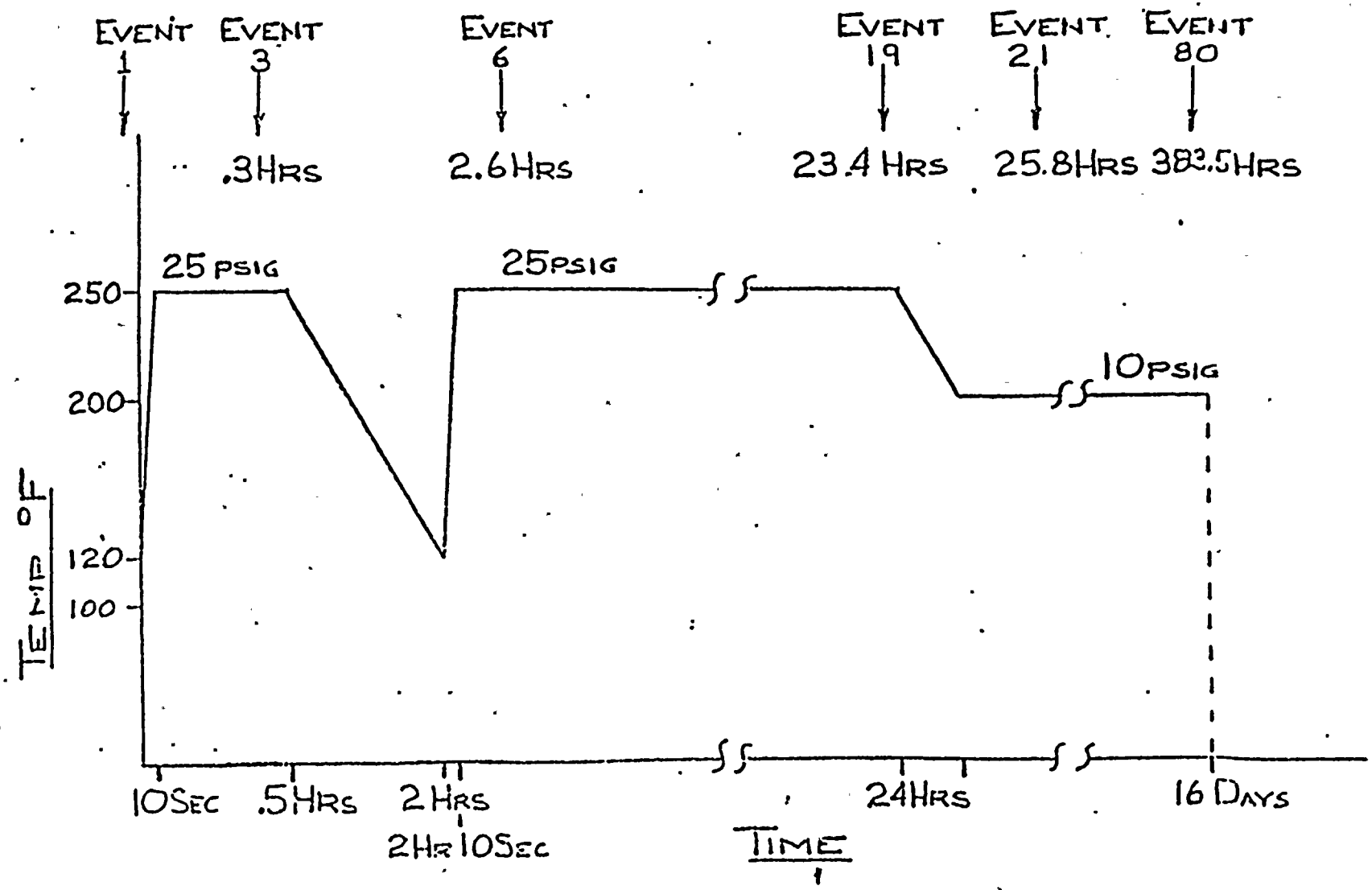

FIGURE 1

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-MO-63	OPERATING TIME	24 hours	30 days	4	3	Simultaneous Test	None
	TEMPERATURE (F)	135 max. normal 150 max. abnormal Accident - see profile 1	See enclosed profile	1	3	Simultaneous Test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	14.7 max. normal 16.7 max. normal Accident - see profile 1	See enclosed profile	1	3	Simultaneous Test	None
MODEL NUMBER SMB-2-60/D215R2 COMPONENT Motor Operator - Reliance, RH insulation	RELATIVE HUMITY (%)	55 max. normal 90 max. abnormal Accident Profile 2	100	1	3	Simultaneous Test	None
FUNCTION/SERVICE Operates RCIC Steam Supply	CHEMICAL SPRAY	Demineralized water	Chemical Spray pH 10	1	3, 5	Simultaneous Test	None
	RADIATION (RAD)	7.7×10^7	2.04×10^8	1	3	Sequential Test	None
LOCATION: BLDG C ELEVATION 556' COLUMN 131 Deg.	AGING	40 years	40 years	1	2, 5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/23/82

Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Limitorque Report B0058 3. Limitorque Report B600376A 4. WNP-2 Class 1E Equipment List September, 1982 5. QID #221001	Qualified.

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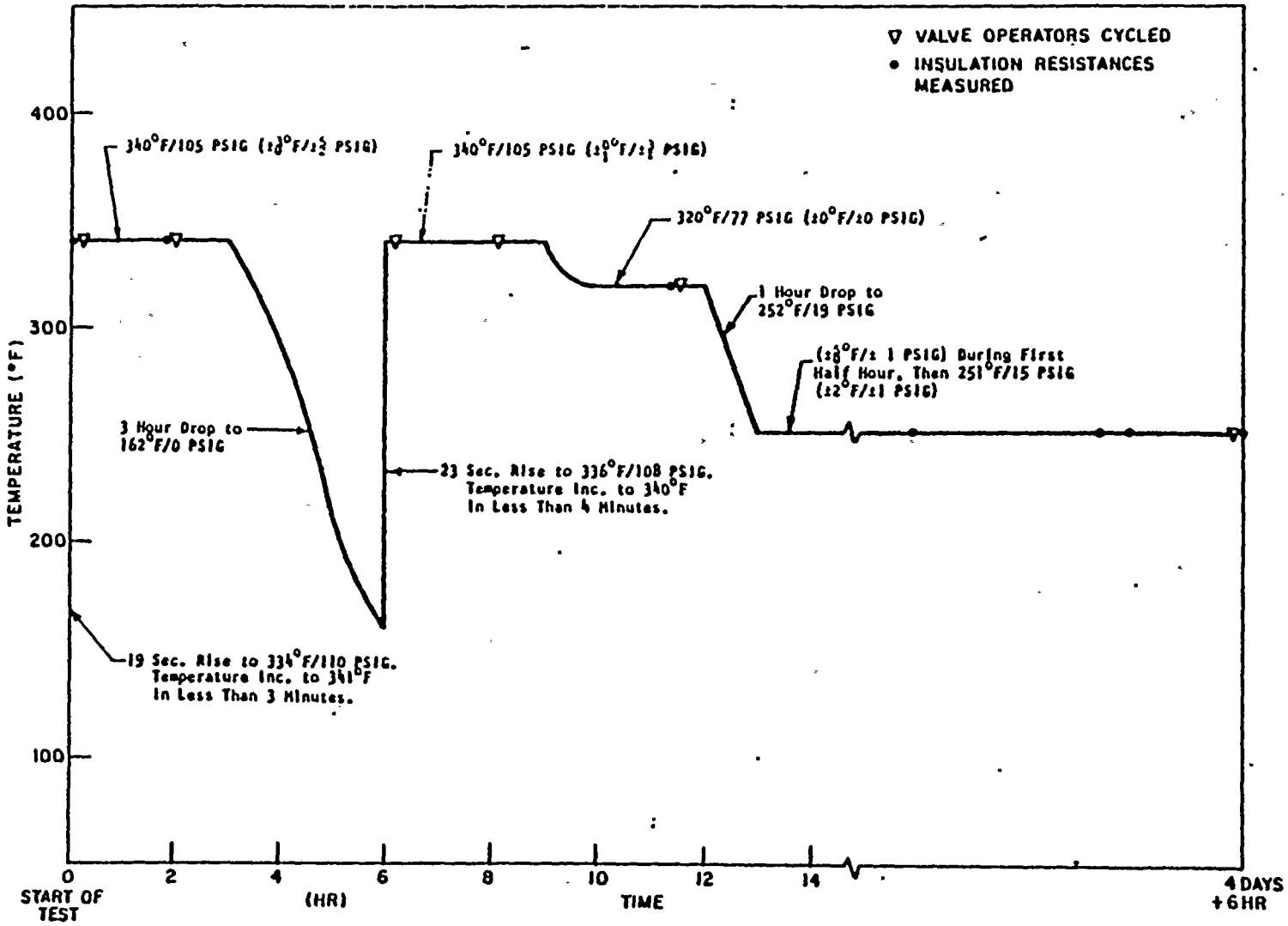

Figure 3. Actual Steam Exposure Profile

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM - Reactor Core Isolation Cooling TAG NUMBER RCIC-MO-68	OPERATING TIME	6 months	Equivalent to >6 months	1	4, 5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	see enclosed profile	2	4	Simultaneous Test	None
MANUFACTURER Limitorque MODEL NUMBER SMB-015/DTS6F COMPONENT - Motor Operator Motor: Reliance Insulation: Class B	PRESSURE (PSIA)	14.7	N/A	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	4	Simultaneous Test	None
FUNCTION/SERVICE Operator Turbine Exhaust Isolation Valve	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
	RADIATION (RAD)	4.8×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 474 COLUMN J.9/6.7	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/23/82

Reviewed by: Mark Barlow 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-4711 4. Limitorque Test Report B0003 5. QID 221001	Qualified.

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TEMPERATURE PROFILE

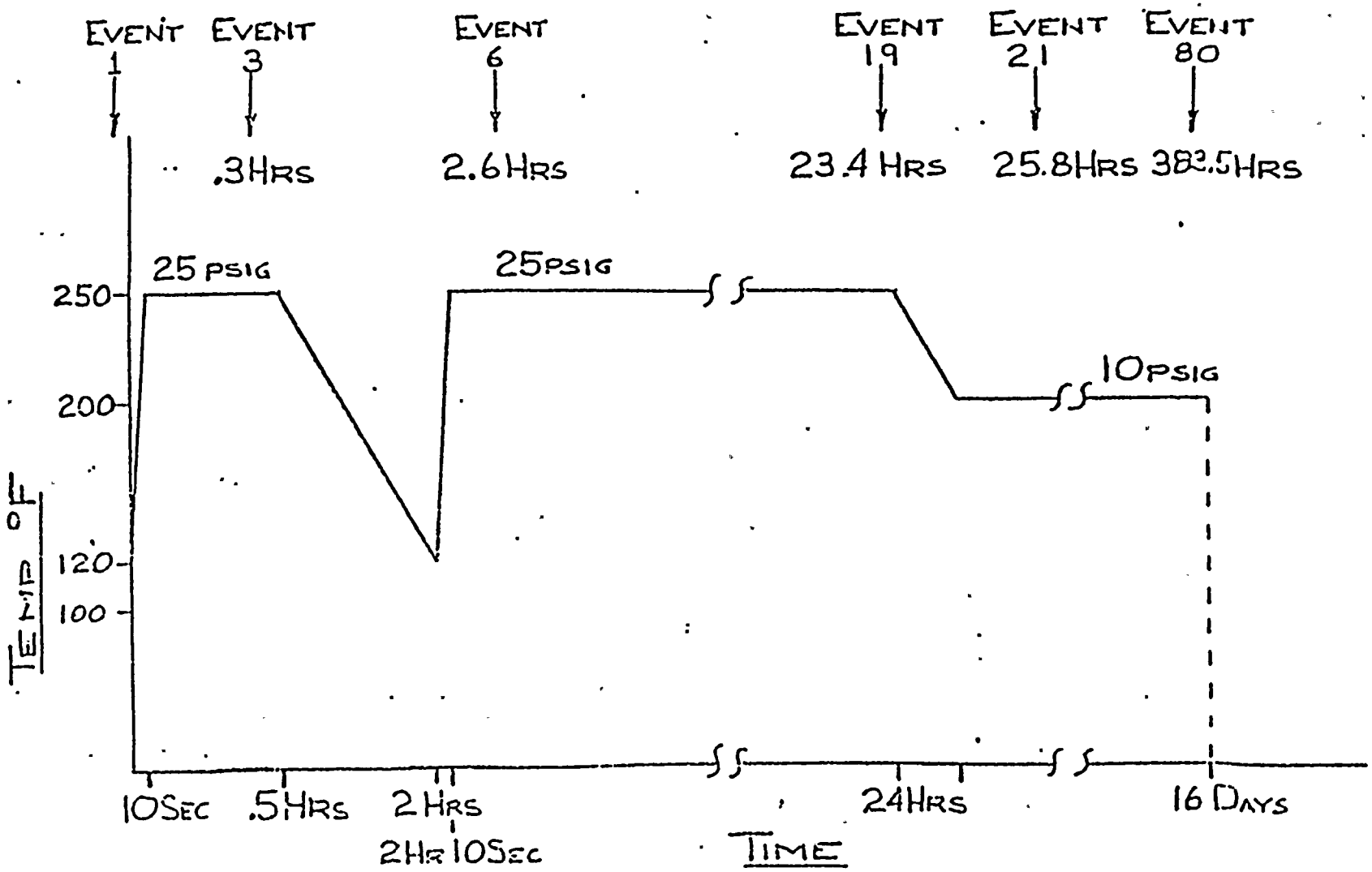

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-MO-69	OPERATING TIME	6 months	Equivalent to > 6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,6,7	See enclosed profile	2	4	Simultaneous Test	None
MANUFACTURER Limitorque MODEL NUMBER SMB-000-5	PRESSURE (PSIA)	Normal 14.7 Accident Profile 6,7	See enclosed profile	2	4	Simultaneous Test	None
COMPONENT Motor Operator	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	4	Simultaneous Test	None
FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	4×10^6	1×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 466 COLUMN H6/6.6	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/23/82 Reviewed by: M.L. Baier 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-491I 4. Limitorque Report B0009, 4/30/76 5. QID 221001	Qualified.

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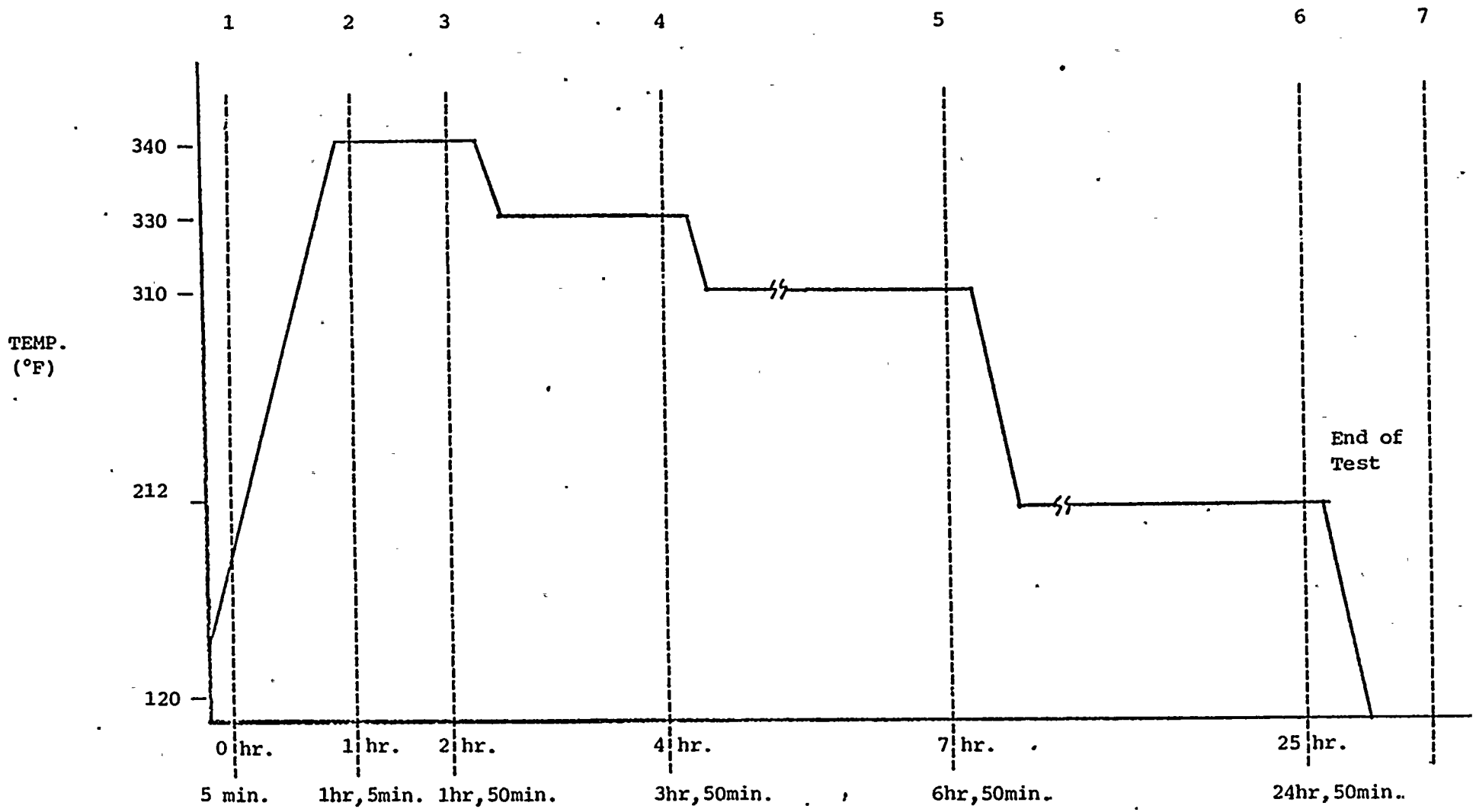
1
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6
7
340
330
310
212
120
TEMP.
(°F)
End of
Test
0 hr.
1 hr.
2 hr.
4 hr.
7 hr.
25 hr.
5 min.
1hr,5min.
1hr,50min.
3hr,50min.
6hr,50min.
24hr,50min.

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-MO-76 MANUFACTURER Limitorque MODEL NUMBER SMB-000-5 COMPONENT Motor Operator .33 HP MO for RCIC-V-76 FUNCTION/SERVICE LOCATION: BLDG C ELEVATION 556 COLUMN 120° AZ	OPERATING TIME	24 hours	Note 1	2			
	TEMPERATURE (F)	135 normal 150 abnormal accident--profile 1		1			
	PRESSURE (PSIA)	16.7 normal accident--profile 1		1			
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 2		1			
	CHEMICAL SPRAY	Demineralized water		1			
	RADIATION (RAD)	7.0×10^7		1			
	AGING	40 years		1			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP- 2 Class 13 Equipment List, 9/82	1. Man.and model on Class 1E List but no evaluation. The qualification status of these components has not yet been determined. Requalification activities will be implemented, if required.

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WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-MO-8	OPERATING TIME	6 months	Equivalent to > 6 months	1	3,4	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident: See profile 4, 12,13	See enclosed profile	1	3	Simultaneous Test	None
MANUFACTURER Limitorque MODEL NUMBER SMB-00-7.5/D56C	PRESSURE (PSIA)	14.7 normal Accident--profile 12,13	See enclosed profile	1	N/A	N/A	None
COMPONENT Valve motor operator	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	1	3	Simultaneous Test	None
FUNCTION/SERVICE Operate RCIC Valves	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	2.6×10^6	1×10^7	2	3	Sequential Test	None
	AGING	40 years	40 years	1	3, 4	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 510 COLUMN J.1/4.9	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-501P 3. Limitorque Report B0009, 4/30/76 4. QID 221001	Qualified.

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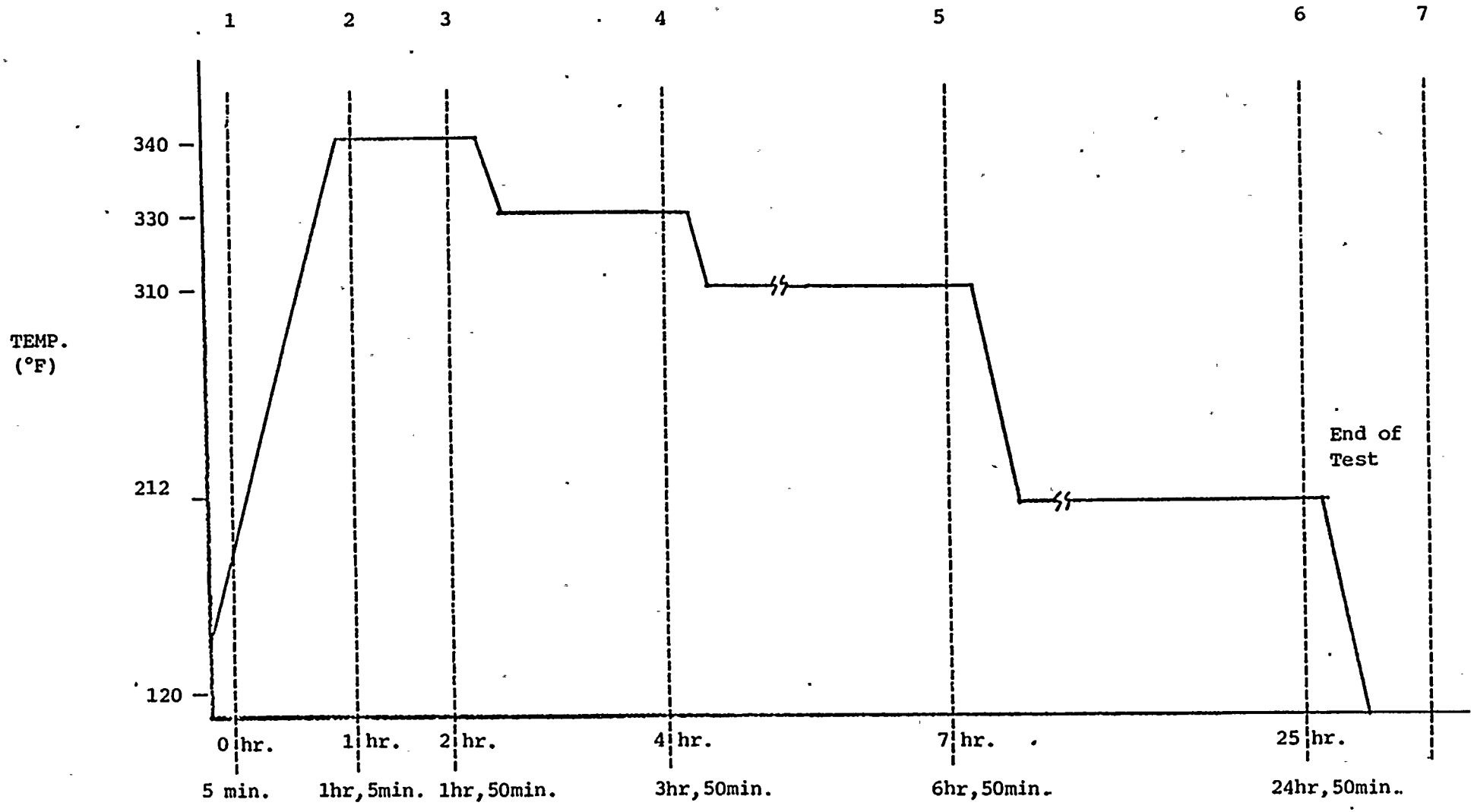
1
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6
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340
330
310
212
120
TEMP.
(°F)
End of
Test
0 hr.
5 min.
1 hr.
1hr,5min.
2 hr.
1hr,50min.
4 hr.
3hr,50min.
7 hr.
6hr,50min.
25 hr.
24hr,50min.

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-MO- 80,86	OPERATING TIME	6 months	Equivalent to >6 months	1	4, 5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4	See enclosed profile	2	4	Simultaneous Test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	14.7	See enclosed profile	2	N/A	N/A	None
MODEL NUMBER SMB-000-5	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident profile 4	100	2	4	Simultaneous Test	None
COMPONENT Motor Operator	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
FUNCTION/SERVICE Operators for Valves RCIC-V-110 and 113	RADIATION (RAD)	4.8×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4,5	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 474 COLUMN J.3/7.2	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Ch 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-4711 4. Limitorque Test Report B0003 5. QID 221001	Qualified

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TEMPERATURE PROFILE

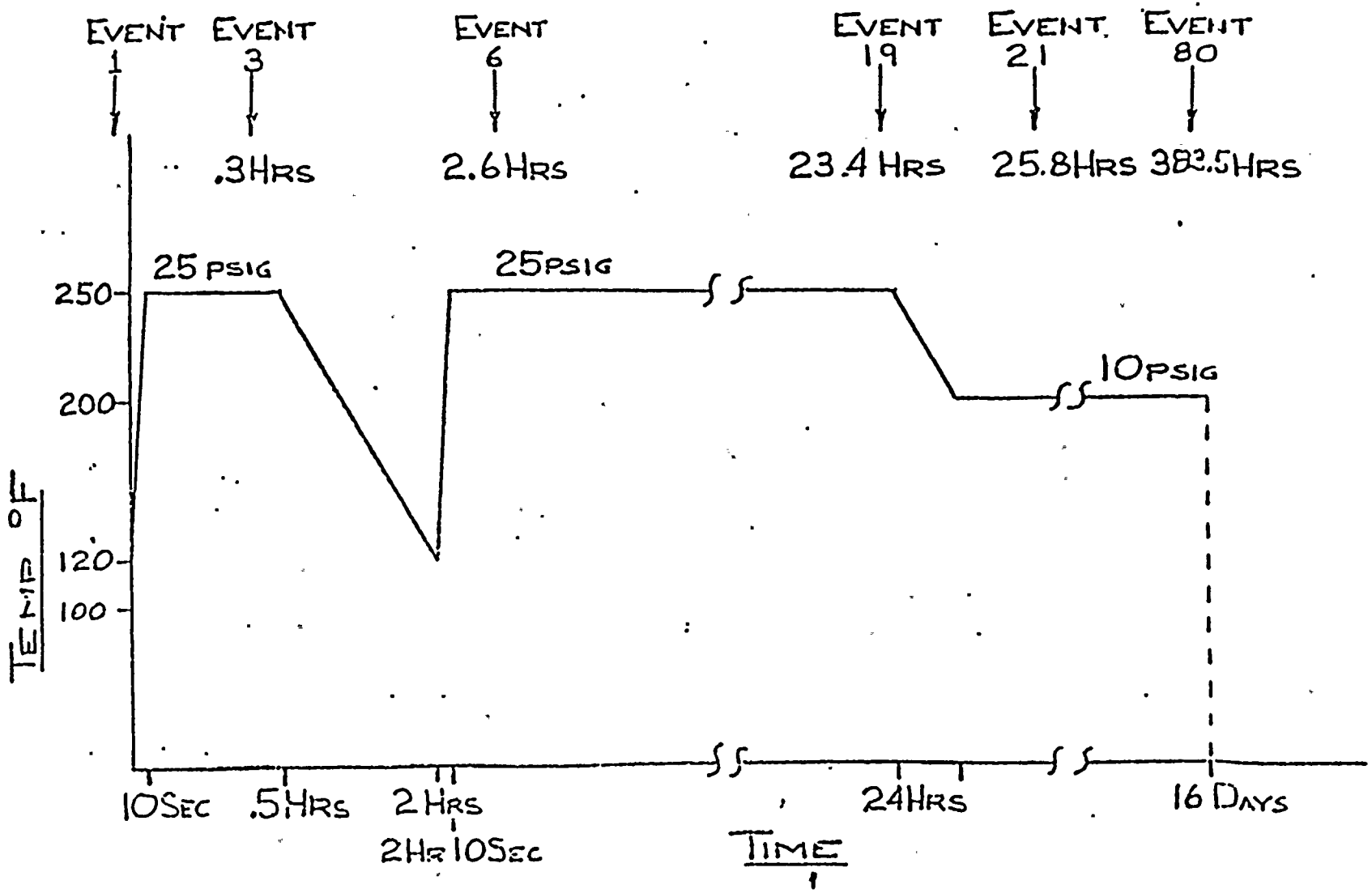

FIGURE 1

WPPSS QID #256005

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E31
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling TAG NUMBER RCIC-PS-22A,B,C,D	OPERATING TIME	Assume 6 months	Equivalent to > 6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4	212° F.	2	4	Simultaneous Test	None
MANUFACTURER Barksdale	PRESSURE (PSIA)	40 normal 90 max. abnormal Accident profile 4	N/A	2	N/A	N/A	N/A
MODEL NUMBER PIH-M85SS-V	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 accident	100%	2	4	Simultaneous Test	None
COMPONENT Pressure Switch	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	N/A
FUNCTION/SERVICE Steam line pressure penetration monitoring	RADIATION (RAD)	5.0×10^5	5.0×10^6	3	5	Engineering Analysis	None
	AGING	40 years	Note 1	2	5		
LOCATION: BLDG R ELEVATION 471 COLUMN L.0/8.0 K.9/3.9	ACCURACY		1.9 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By: [illegible] 9/4/82

Reviewed By: [illegible] 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-471A,D 4. Barksdale Environmental Test Procedure No. 9993, 6/23/75. 5. QID File #256005	Qualified 1. An evaluation is being performed to identify age susceptible parts and is scheduled for completion by October 15, 1982.

WP-1881

WPPSS QID315004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

PAGE NO: 232
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Core Isolation Cooling System TAG NUMBER RCIC-SPV- 65 and 66	OPERATING TIME	6 months	>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Profile 4	Envelopes Profile 4 with >8C margin	2	4	Simultaneous Test Engineering Analysis	None
MANUFACTURER Automatic Switch (ASCO)	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
MODEL NUMBER WJHT 831654 COMPONENT Solenoid Pilot Valve	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal Profile 4	(<90%)	2	6	Engineering Analysis	None
FUNCTION/SERVICE RCIC to Reactor Isolation Valve and Solenoid pilot for Reactor Head Spray	CHEMICAL SPRAY	N/A	N/A	2	6	N/A	None
	RADIATION (RAD)	2.4×10^4	6×10^5	3	5	Engineering Analysis	None
LOCATION: BLDG R ELEVATION 528 556 COLUMN J.0/6.9 5.8/H8	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. S. Johnson

Reviewed by: J P Kullman

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List dated 9/1/82 2. FSAR Para 3.11 & WPPSS Calculation NE-02-82-14-0 3. EDS Study 0746-004-522K (worst case) 4. Calculation QID315004-1 5. Calculation QID315004-2 6. Calculation QID315004-3	1. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life. Qualified

WP-1881

WPPSS QID #091001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-59
MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Building Exhaust Air TAG NUMBER REA-DPT-(Note 2) MANUFACTURER Rosemont MODEL NUMBER 1151 COMPONENT Differential pressure transmitter FUNCTION/SERVICE Secondary containment pressure control LOCATION: BLDG R ELEVATION 576 COLUMN Note 2	OPERATING TIME	6 months	Equivalent to>6 months	1	5,6,8	Engineering Analysis Separate effects	None
	TEMPERATURE (F)	90 normal 104 abnormal accident profile 4, 31	300 max.	2	5	Separate effects	None
	PRESSURE (PSIA)	Normal 14.7 accident profile 31	accident profile 31	2	5,6,7	Separate effects	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 accident	100	2	7	Separate effects	None
	CHEMICAL SPRAY	N/A	N/R	2	N/A	N/A	None
	RADIATION (RAD)	1.0×10^6	2×10^6	3	6	Separate effects	None
	AGING	40 years	Note 1	2			None
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By: [illegible]

Reviewed By: Alan Seiler 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572 C,F,I,L,N 4. Rosemont Report 97215A, 2/9/72 5. Rosemont Report 127227, 12/27/72 6. Rosemont Report 117415, 9/19/75 7. QID File #091001.	Qualified 1. An evaluation is being performed to identify age susceptible parts and is scheduled for completion by October 15, 1982.

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	2. EPN — Column REA-DPT-1A1 — H.3/8.2 REA-DPT-1A2 — M.7/3.5 REA-DPT-1A3 — N.8/3.9 REA-DPT-1A4 — H.8/9.4 REA-DPT-1B1 — H.3/5.3 REA-DPT-1B2 — N.7/3.5 REA-DPT-1B3 — H.8/7.6 REA-DPT-1B4 — N.1/9.4

WPPSS QID #200010

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-68

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Building Exhaust Air TAG NUMBER REA-LMS-1, 2 MANUFACTURER Namco MODEL NUMBER -74080100 COMPONENT Limit Switches FUNCTION/SERVICE Limit Switch on REA-V-1 and REA-V-2 LOCATION: BLDG R ELEVATION 593 COLUMN H.5/6.0	OPERATING TIME	6 months	Equivalent To or > 6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	340	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/A	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	N/A
	RADIATION (RAD)	1.1×10^6	2×10^8	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4,5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N 4. Qualification of NAMCO Controls Limit Switch Model EA-740 to IEEE Stds. 344 (1975), 323 (1974) and 382 (1972), Rev. 1, dated 2/22/79; Rev. 0, dtd. 2/20/78 5. QID #200010	Qualified.

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

PAGE NO: 236
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Building Exhaust Air TAG NUMBER REA-RE-19	OPERATING TIME	4320		2			Note 1
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Profiles 4, 32 accident		1			
MANUFACTURER	PRESSURE (PSIA)	14.7		1			
MODEL NUMBER COMPONENT Radiation Detection	RELATIVE HUMITY (%)	40 normal 90 abnormal Profile 4 accident		1			
FUNCTION/SERVICE Detector for elevated discharge beta radiation	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	2.4×10^4		3			
	AGING	40 years		1			
LOCATION: BLDG R ELEVATION 606 COLUMN H4/6.8	ACCURACY	N/A		N/A	N/A	N/A	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: J.L. Sullivan 9-11-82 Reviewed by: _____

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 Class 1E List, dated September 1982 3. EDS Study 0740-004-606A	1. Manufacturer is now qualifying this equipment. Awaiting data.

WPS-1041

WPPSS QID315004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Building Exhaust Air TAG NUMBER REA-SPV-1 and 2 MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER WJIIT 831654 COMPONENT Solenoid Pilot Valve FUNCTION/SERVICE Reactor Building Normal Exhaust Isolation LOCATION: BLDG R ELEVATION 552 530 COLUMN H.7/8.6 J/6.9 H7/8.6	OPERATING TIME	6 months	>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Profile 4	Envelopes Profile 4 >8C margin	2	4	Simultaneous Test Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 max. normal 90 max. normal Profile 4	(<90%)	2	6	Engineering Analysis	Note 1
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.5×10^4	6×10^5	3	5	Engineering Analysis	None
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared By: [illegible]

Reviewed By: [illegible]

DOCUMENTATION REFERENCES

1. WNP-2 CIE Equipment List dated 9/1/82
2. FSAR Para 3.11 and WPPSS Calculation ME-02-82-14-0
3. EDS Study 0740-004-548P
4. Calculation QID 315004-1
5. Calculation QID 315004-2
6. Calculation QID 315004-3

NOTES

1. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life.

Qualified

WP-1981

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION:
DATE:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Feedwater TAG NUMBER RFW-MO-65A RFW-MO-65B MANUFACTURER Limitorque MODEL NUMBER SMB-4-250/326UR4 COMPONENT Motor Operator (RH insulation on MO-65B) FUNCTION/SERVICE Motor Operator for RFW-V-65A RFW-V-65B LOCATION: BLDG R ELEVATION 505 COLUMN H.4/5.7 H.4/6.3	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Simultaneous Test	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 3, 4	See enclosed profile	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident profile 3	See enclosed profile	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100%	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	4.2×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4,5	Separate Effect Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 1/5/82

Reviewed by: Raymond [illegible] 7/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated 12/16/81 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-5010 4. Limitorque Reports, B0003, 5/76; B0058 5. QID#221001	Qualified

WP-1081

TEMPERATURE PROFILE

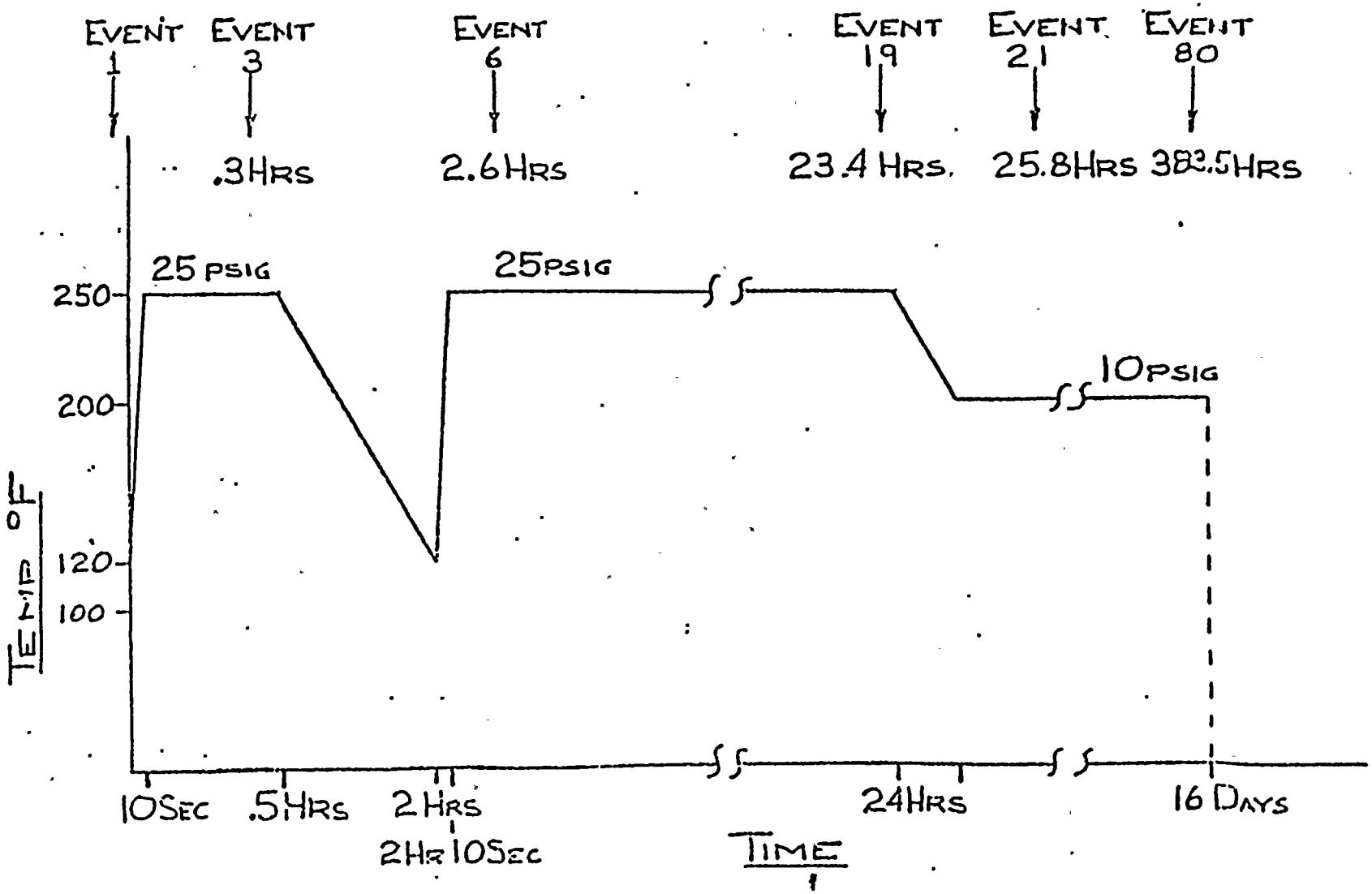

FIGURE 1

WPPSS QID315004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-58

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Feedwater TAG NUMBER RFW-SPV-32A1 -32A2 -32B1 -32B2	OPERATING TIME	6 months	>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Profile 4	Envelopes Profile 4 with>8C margin	2	4	Simultaneous Test Engineering Analysis	None
MANUFACTURER Automatic Switch (ASCO)	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
MODEL NUMBER WJHT831654 COMPONENT Solenoid Pilot Valve	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal Profile 4	(<90%)	2	6	Engineering Analysis	None
FUNCTION/SERVICE Solenoid Pilot for RFW-V-32A -32B	CHEMICAL SPRAY	N/A	N/A	2		N/A	None
	RADIATION (RAD)	1.7×10^5	6×10^5	3	5	Engineering Analysis	None
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
LOCATION: BLDG R ELEVATION 471 COLUMN H4/6.8	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. P. Volmer

Reviewed by: J L Sullivan

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List dated 9/1/82 2. FSAR Para. 3.11 and WPPSS Calculation NE-02-82-14-0 3. EDS Study 0740-004-471J (Pinpoint Study) 4. Calculation QID315004-1 5. Calculation QID315004-2 6. Calculation QID315004-3	1 The Solenoid valves will be rebuilt on a schedule based on the 7-year qualified life. Qualified

WP-1841

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: E12-N001A,B
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-CE-1A RHR-CE-1B	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,11		2			None
MANUFACTURER Beckman Instruments	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11		2			None
MODEL NUMBER CEL-IT-(SS) X3-002-KGX35-Y69X2-Y224N COMPONENT Conductivity Element	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			None
FUNCTION/SERVICE Conductivity at HX outlet	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	8.3×10^5					None
	AGING	40 years		2			None
LOCATION: BLDG R ELEVATION 40 COLUMN J.9/8.5	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/7/82 Reviewed by: Raymond [illegible] 9/7/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September, 1982 2. FSAR Paragraph 3.11	1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function. Qualified.

WP-1081

WPPSS QID #086001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02 E12

MPL: E31-N012A,B,29A,B,9A,B,C
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-DPIS-12A RHR-DPIS-12B RHR-DPIS-29A RHR-DPIS-29B RHR-DPIS-9A,B,C MANUFACTURER Barton MODEL NUMBER 288 COMPONENT Differential Pressure Indicating Switch FUNCTION/SERVICE Measure Differential Pressure for Suction Flow LOCATION: BLDG R ELEVATION 501, 475 COLUMN H.6/7.3 M.6/8.1 M.5/4.6	OPERATING TIME	6 months	Equivalent to > 6 months	1	4,5	Engineering Analysis Simultaneous Test	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,10,16	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 10,16	Accident Profile 10,16	2	4,5	Simultaneous Test, Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.7×10^6	3.0×10^6	3	4, 5	Separate Effect-Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
	ACCURACY	N/A	1.5 FSPE		5	Simultaneous Test	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: A. Naderi 8/23/82 Reviewed by: Raymond Cox 8/25/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-501B and 501K 4. QID File #086001 5. Qualification Test Report for Barton 289 switch, Report #R3-288A-1 (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #140001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E12

MPL: E12-N010A,B,C
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-FIS-10A, B, C MANUFACTURER ITT Barton MODEL NUMBER 289 COMPONENT Flow Indicating Switch FUNCTION/SERVICE Shutdown Cooling Loop "A", "B" flow; Loop "C" flow to vessel LOCATION: BLDG R ELEVATION 501 COLUMN J.7/3.6 H.8/9.3	OPERATING TIME	6 months	Equivalent to > 6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4, 10	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 10	Accident Profile 10	2	4.5	Simultaneous Test, Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max. accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	4.6×10^5	3×10^6	3	4, 5	Separate Effect Engineering Analysis	None
	AGING	40 years	12 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		1.5% FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by Ali Nadeem 8/28/82 Reviewed by: Raymond [illegible] 8/25/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-501B,I 4. QID File #140001 5. Qualification Test Report for Barton 289 Switch, Report #R3-288A-1 (QSR-027-01)	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #156003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: E12-N013
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-FT-13	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 29,4		2			None
MANUFACTURER G.E.	PRESSURE (PSIA)	Normal 14.7 Accident Profile 29		2			None
MODEL NUMBER 555 COMPONENT Flow Transmitter	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			None
FUNCTION/SERVICE Flow Transmitter to Reactor HD Spray	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	1.6×10^6		3			None
	AGING	40 years		2			None
LOCATION: BLDG R ELEVATION 553 COLUMN M.7/5.4	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Qi 8/28/82 Reviewed by: [illegible] 8/31/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-548G	1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function. Qualified.

WP-1081

WPPSS QID #156003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: E12-N015A
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-FT-15A,B,C MANUFACTURER Bailey MODEL NUMBER 555111 BMAA4HBM COMPONENT Flow Transmitter FUNCTION/SERVICE Flow Transmitter to Cooling Loop A,B,C LOCATION: BLDG R ELEVATION 501 COLUMN J6/3.6 H8/9.3 H8/7.3	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4,10		2			
	PRESSURE (PSIA)	Normal 14.7 Accident profile 10		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	4.6×10^5		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List dated September, 1982. 2. FSAR Par. 3.11 3. EDS Study 0740-004-501B,K 4. Letter GE-02-JLS-81-022	1. These components are being replaced by transmitters qualified to IEEE 323-74 and 344-75. (Ref.4)

WP-1081

WPPSS QID #200005

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E12
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-LMS-(see note below) MANUFACTURER Namco MODEL NUMBER 1703100 COMPONENT Position Switch FUNCTION/SERVICE	OPERATING TIME	6 months	Note 1	1	3		
	TEMPERATURE (F)	135 normal 150 abnormal Accident - profile 1		2			
	PRESSURE (PSIA)	14.7 normal 16.7 abnormal Accident - profile 1		2			
	RELATIVE HUMITY (%)	55 normal 90 abnormal Accident Profile 2		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	7.7×10^7		2			
	AGING	40 years		2			
LOCATION: BLDG C ELEVATION 512, 563 COLUMN 20, 58, 79, 100, 158 165, 265, 325, 360 degrees	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES

1. WNP-2 CIE Equipment List, September, 1982
2. FSAR Paragraph 3.11
3. WPPSS Letter GE-02-JLS-81-04

NOTES

1. These limit switches are being replaced by Namco Limit Switch EA-180, which is qualified to IEEE-323-74 and IEEE-344-75. (Ref. 3)

TAG NUMBERS

RHR-LMS-111A	RHR-LMS-113	RHR-LMS-50B
RHR-LMS-111B	RHR-LMS-41A	
RHR-LMS-111C	RHR-LMS-41B	
RHR-LMS-112A	RHR-LMS-41C	
RHR-LMS-112B	RHR-LMS-50A	

WP-1081

WPPSS QID #200005

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual heat removal TAG NUMBER RHR-LMS-V/89 MANUFACTURER NAMCO MODEL NUMBER EA1703100 COMPONENT Limit Switch FUNCTION/SERVICE RHR-V-89 LOCATION: BLDG R ELEVATION 553 COLUMN N.2/8.0	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)						
	PRESSURE (PSIA)						
	RELATIVE HUMITY (%)						
	CHEMICAL SPRAY						
	RADIATION (RAD)						
	AGING						
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nadeni 9/4/82 Reviewed by: Aron Siibon 9/14/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82	1. The evaluation documented in the Justification for Interim Operation has determined that this component is not required for accident mitigation. Therefore, it will be removed from the list.

WP-1681

WPPSS QID #207011

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215
MPL:
PPD:

PAGE NO: 248
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-LS-10A RHR-LS-11C RHR-LS-10B RHR-LS-11D RHR-LS-10C RHR-LS-10D RHR-LS-11A RHR-LS-11B MANUFACTURER Magnetrol MODEL NUMBER 751-SPX-M14 COMPONENT Level Switch FUNCTION/SERVICE	OPERATING TIME	24 hours	160 hours	1	5	Simultaneous Test and Eng. Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	300	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/A	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A		2	N/A	N/A	None
	RADIATION (RAD)	1.0×10^6	1.0×10^6	3	4	Engineering Analysis	None
	AGING	40 years	Note 1	2			
LOCATION: BLDG R ELEVATION 474 COLUMN H.0/7.8, H.0/7.9 K.0/8.0	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [illegible] 9/3/82 Reviewed by: [illegible] 9/3/82

DOCUMENTATION REFERENCES

1. WNP Class 1E Equipment List, dated September, 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-471E and 471F
4. QID# 207011
5. BWR Equipment Qualification Summary Report OSR-030-H-1

NOTES

1. An evaluation is currently being performed to identify age susceptable parts and is scheduled to be completed by Oct. 15,1982.

Qualified.

WP-1981

WPPSS QID #209001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808- 317

MPL: E12-N008A, B
PPD:

PAGE NO: 249
REVISION:2
DATE:September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-LT-8A,B	OPERATING TIME	24 hours		1			Note 1
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4		2			
MANUFACTURER Barton	PRESSURE (PSIA)	14.7		2			
MODEL NUMBER 352/358 COMPONENT Level Transmitter	RELATIVE HUMITY (%)	40 Normal 90 Abnormal Accident Profile 4		2			
FUNCTION/SERVICE Level Transmitter to Heat Exchanger A,B	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	3.1×10^6		3			
	AGING	40 years		2			
LOCATION: BLDG R ELEVATION 548 COLUMN J.0/8.6	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YESX NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond Chin 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-548J	1. A documentation search is being performed to obtain qualification data.

WP-1081

WPPSS

QID213032

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E12

MPL: E12-C002
PPD:

PAGE NO: 250
REVISION: 2
DATE: 8-25-82

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-M-2A -2B -2C MANUFACTURER General Electric MODEL NUMBER 5K6339XC122A COMPONENT Motor FUNCTION/SERVICE Drive Pumps LOCATION: BLDG R ELEVATION 429 COLUMN H7/4.6, K2/8.5, L8/8.5	OPERATING TIME	4320 hours	94,746 hours	5	3,4 7,8	Sequential Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal 139.1 max accident or profile 8	212.	1,6	3,4 7,8	Simultaneous Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 100 max accident	100% & Steam	1	3,4 7,8	Simultaneous Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	2.5×10^6	5.5×10^6	2	3, 7,8	Sequential Engineering Analysis	None
	AGING	40 years	40 years	1	3,4	Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: J. Sullivan

Reviewed by: RL Abbott

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-4221 (worst case) 3. GE #22A4722 (BWR 111-A-05) 4. GE #NEDM-10672, 8/72 (BWR 111-A-05) 5. WNP-2 Class 1E Equipment List 6. B&R Calculation 9-46-02 7. GE #456HA898 8. Calculations 213032-1, -2, -3, -4	1. Qualified.

WP-1881

WPPSS QID #213016

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-35A

MPL:
PPD:

PAGE NO: 251
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-M-3	OPERATING TIME	6 months	6 months	1	4,5,6	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 8	484	2	4,5,6	Simultaneous Test and Engineering Analysis	None
MANUFACTURER Westinghouse	PRESSURE (PSIA)	Normal 14.7 Accident profile 8	Accident Profile 8	2	4,5,6	Simultaneous Test and Engineering Analysis	None
MODEL NUMBER 75D40786 COMPONENT Motor	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	4,5,6	Simultaneous Test and Engineering Analysis	None
FUNCTION/SERVICE 15hp motor for RHR-P-3+	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.9×10^6	1×10^8	3	4,5,6	Separate Effects and Engineering Analysis	None
	AGING	40 years	Note 1	2			
LOCATION: BLDG R ELEVATION 429 COLUMN H 4/4.8	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/14/82

Reviewed by: [illegible] 9/14/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report #0740-004-422M 4. W Report #9112, Medium A.C. motors dated Nov. 18, 1980, Rev. 4. 5. EPRI Report #RP 1707-3 6. QID #213016	Qualified 1. An evaluation is being performed to identify age susceptible parts and is scheduled for completion by December 1, 1982.

WP-1041

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-11A -MO-11B MANUFACTURER Limitorque MODEL NUMBER SMB-000-5/K48 COMPONENT - Motor Operator Motor: Reliance, B insulation FUNCTION/SERVICE Operate HX to suppression pool valve LOCATION: BLDG R ELEVATION 475 COLUMN K.2/8/1 L.8/8.1	OPERATING TIME	6 months	Equivalent to >6 months	1	4	Engineering Analysis Simultaneous Test	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4	see enclosed profile	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	see enclosed profile	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident profile 4	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
	RADIATION (RAD)	2.2×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Aron Dietz 9/1/82

Reviewed by: Al Nadeau 9/14/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-471F, E 4. Limitorque Test Report B0003 5. QID #221001	Qualified

WP-1081

TEMPERATURE PROFILE

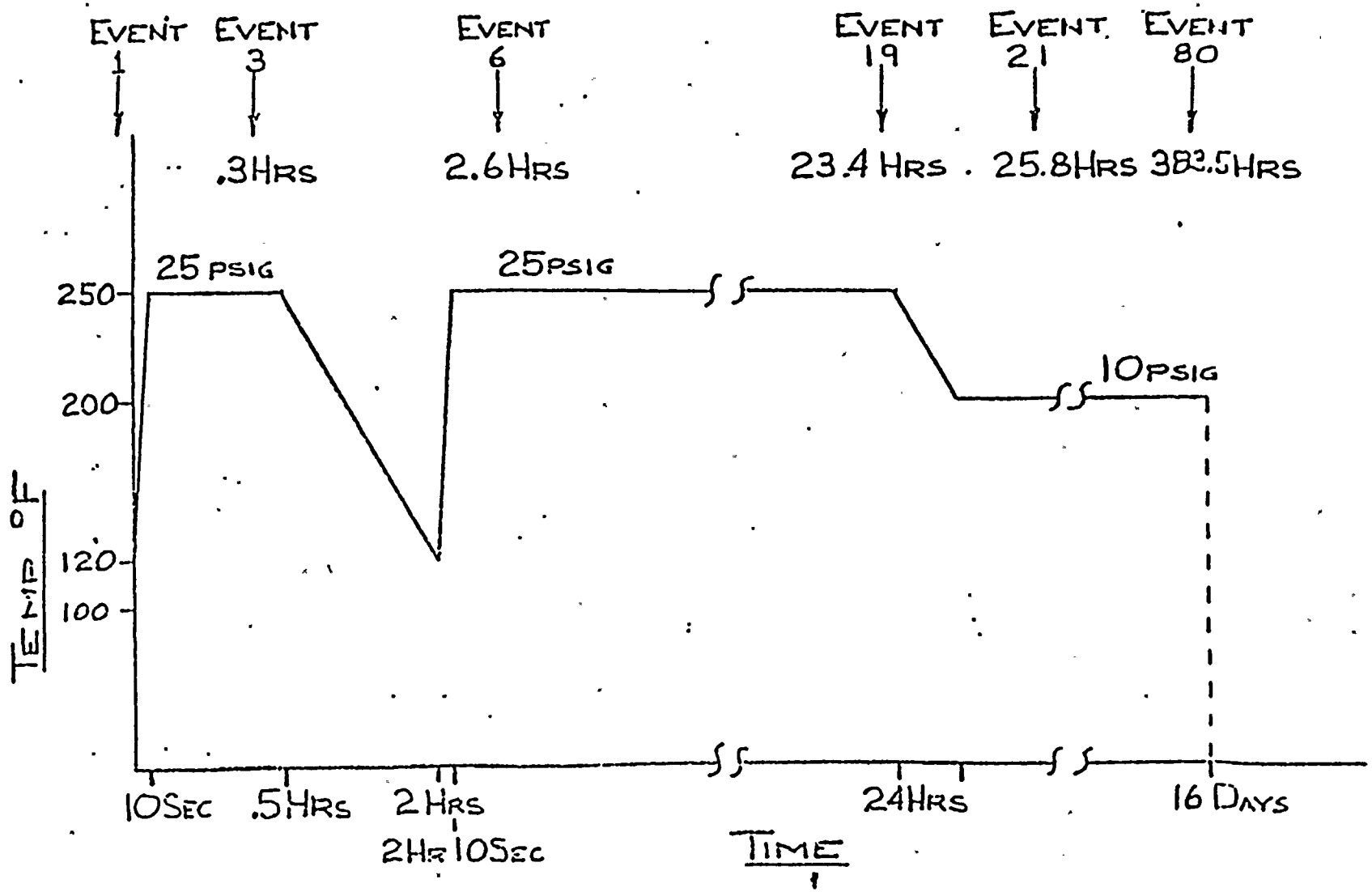

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

PAGE NO: 254
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-124A -124B -125A -125B MANUFACTURER Limitorque MODEL NUMBER SMC-04-5/42 COMPONENT Motor Operator FUNCTION/SERVICE Operate RHR Valves LOCATION: BLDG R ELEVATION 471 COLUMN K3/8.1, K9/8.1 L5/8, L4/8	OPERATING TIME	24 hours	Equivalent to > 6 months	3	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	See enclosed profile	1	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	See enclosed profile	1	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4	Steam for 24 hours 100% for 15 days	1	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	2.19×10^6	2×10^7	2	4,5	Sequential Test	None
	AGING	40 years	40 years +	1	4,5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 9/1/82 Reviewed by: [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-471F (worst case) 3. WNP-2 CIE Equipment List, September 1982 4. Limitorque Reports B0003, 5/76; B0058, 1/11/80 5. QID #221001	Qualified.

WP-1001

TEMPERATURE PROFILE

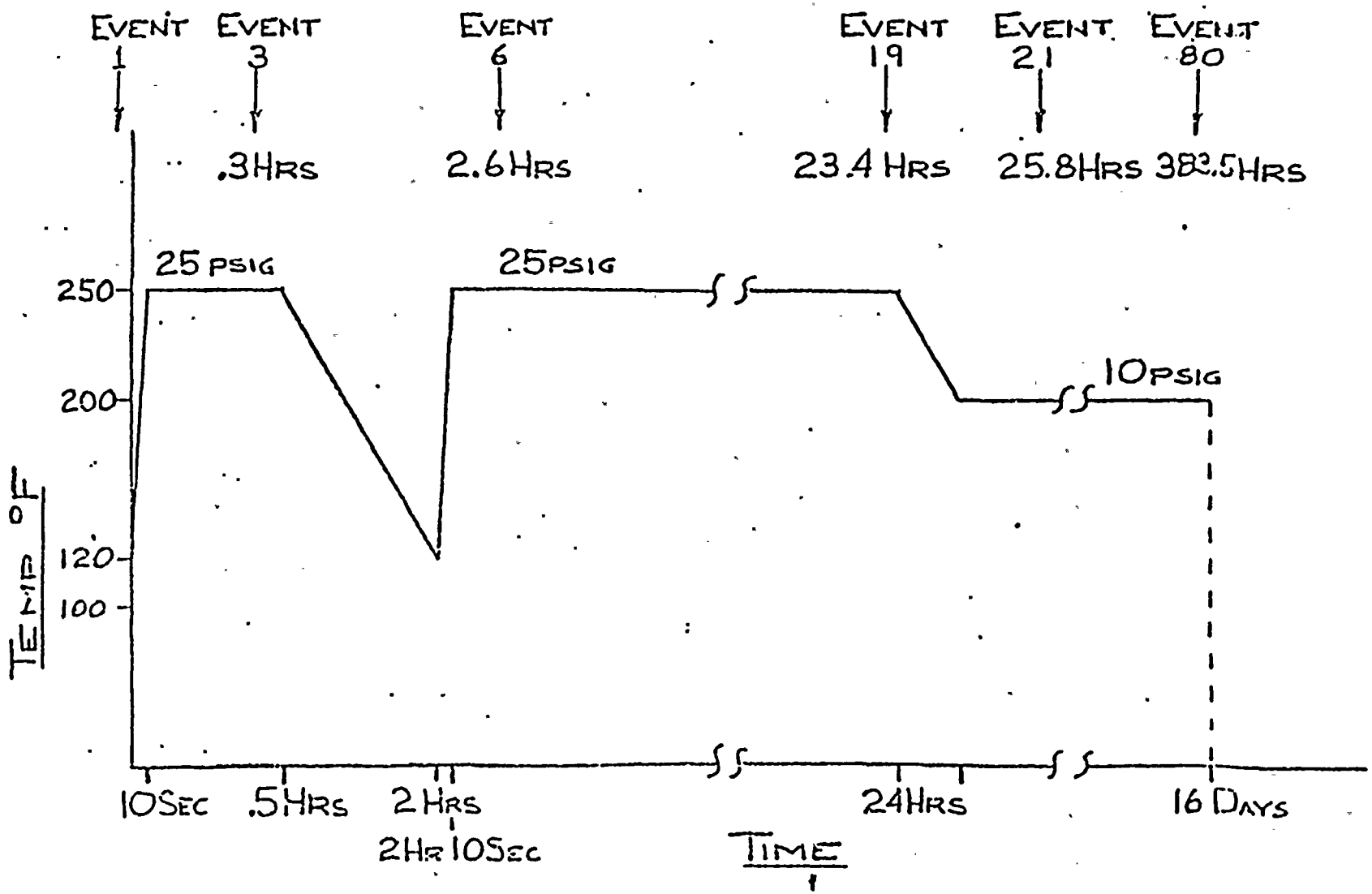

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

PAGE NO: 256
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-134A, 134B MANUFACTURER Limitorque MODEL NUMBER SMB-04-5 COMPONENT Motor Operator Motor: Reliance, B insulation FUNCTION/SERVICE RHR-V-139A, 139B LOCATION: BLDG R ELEVATION 548 COLUMN K.1/9.0 L.5/9.2	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4, 32	See enclosed profile	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 32	See enclosed profile	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
	RADIATION (RAD)	1.5×10^5	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Simultaneous Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Ali 8/26/82

Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-548L, M 4. Limitorque Test Report B0003 5. QID 221001	Qualified.

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TEMPERATURE PROFILE

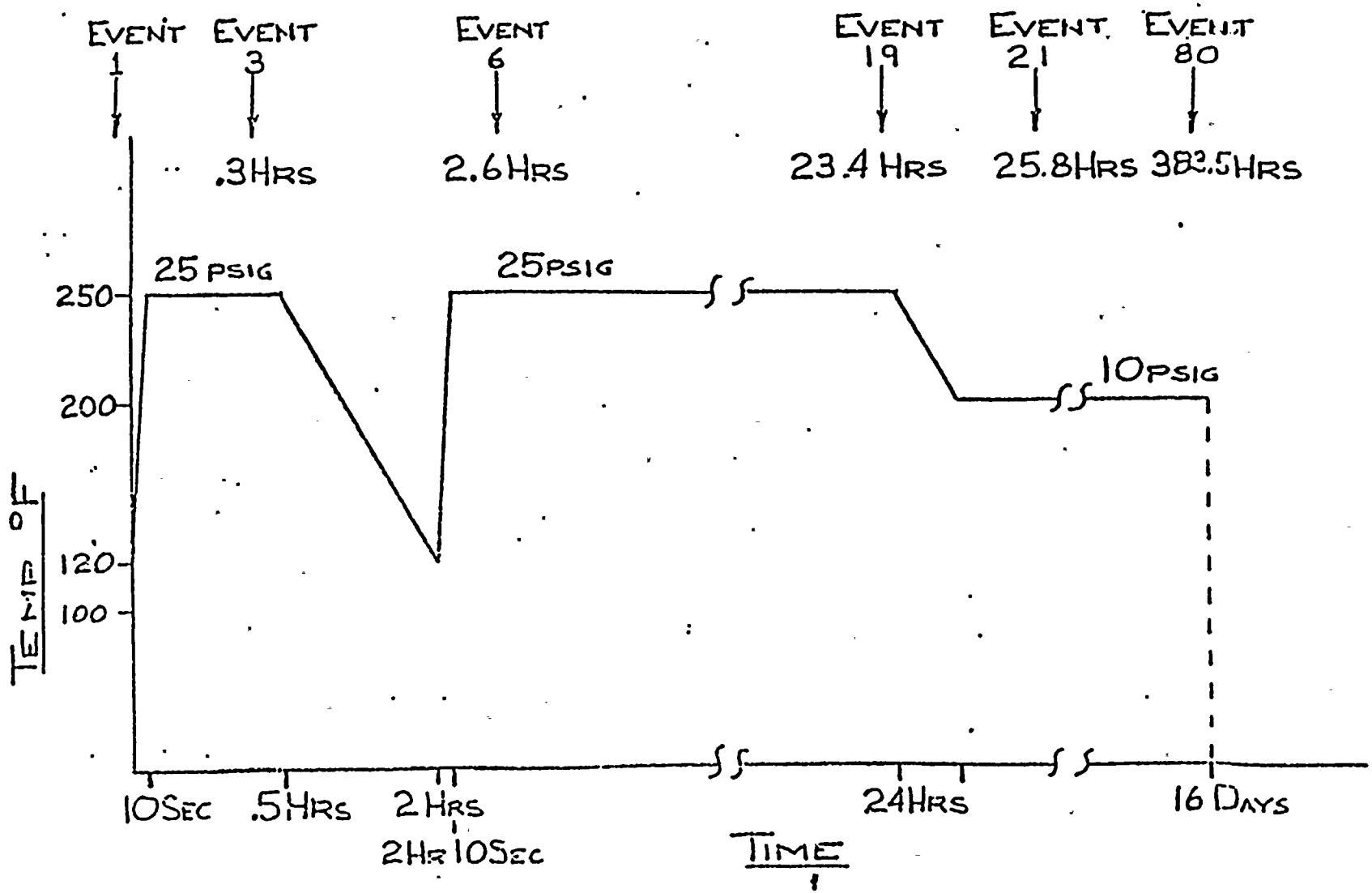

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

PAGE NO: 258
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-16A,B -17A,B MANUFACTURER Limitorque MODEL NUMBER SMB-2-80/C215Y COMPONENT Valve Motor Operator FUNCTION/SERVICE Operate RHR Valve LOCATION: BLDG R ELEVATION 556,516 COLUMN L/4.4 K.7/8-1,K.5/8.1	OPERATING TIME	24 hours	16 days	5	3	Simultaneous Test	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	See enclosed profile	1	3	Simultaneous	None None
	PRESSURE (PSIA)	14.7	See enclosed profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4	100	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	3.4×10^6	2×10^7	2	3	Sequential Test	None
	AGING	40 years	40+ years	1	3,4	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-501M 3. Limitorque Report B0003 with Addendum A (BWR-054-C-04) 4. QID #221001 5. WNP-2 Class 1E Equipment List dated September, 1982	Qualified

WP-1081

TEMPERATURE PROFILE

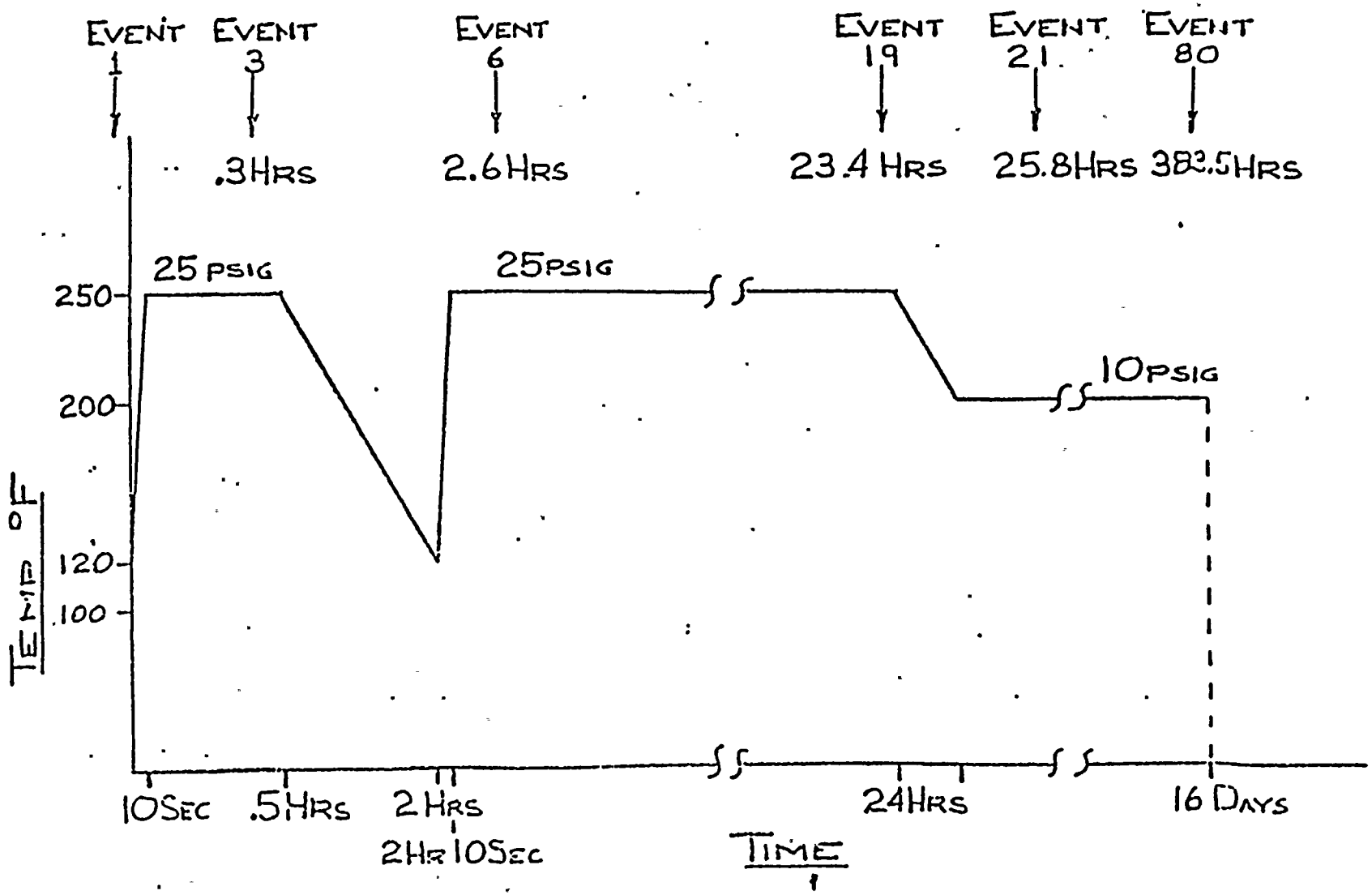

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41B

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-21	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Engineering Analysis Simultaneous Test	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4,8	see enclosed profile	2	4	Simultaneous Test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	Normal 14.7 Accident Profile 8	see enclosed profile	2	4	Simultaneous Test	None
MODEL NUMBER SMB-3-80/213R3 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	4	Simultaneous Test	None
Motor Operator Motor: Reliance B Insulation FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
Operates Loop Test Return Valve	RADIATION (RAD)	3.1×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 450 COLUMN H.4/5.7	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Cho 8/23/82

Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-441J 4. Limitorque Test Report B0003 5. QID 221001	Qualified.

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TEMPERATURE PROFILE

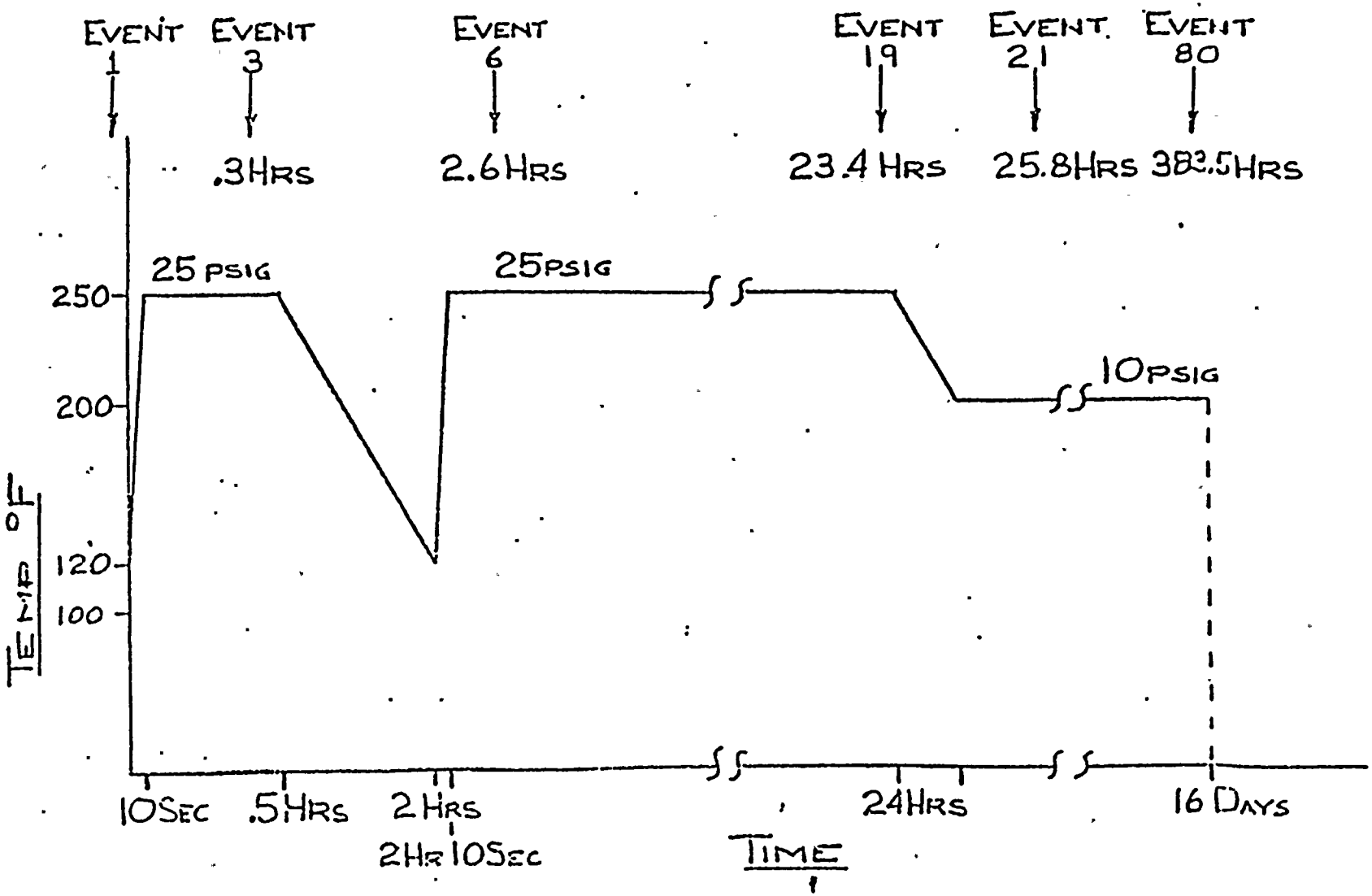

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41B
MPL:
PPD:

PAGE NO: 262
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-23 -40	OPERATING TIME	6 months	Equivalent to > 6 months	5	3,4	Simultaneous Testing Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	See enclosed profile	1	3	Simultaneous Testing	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	14.7	See enclosed profile	1	3	Simultaneous Testing	None
MODEL NUMBER SMB-0-15/D56F SMB-000-2/D56AA COMPONENT	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident Profile 4	100%	1	3	Simultaneous Testing	None
Valve Motor Operator FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
Operate RHR Valve	RADIATION (RAD)	3.1×10^6	1×10^7	2	3	Sequential Testing	None
	AGING	40 years	40 years+	1	3,4	Sequential Testing Engineering Analysis	None
LOCATION: BLDG R ELEVATION 553, 555 COLUMN M.4/5.4 M.3/1.5	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-548J (worst case) 3. Limitorque Report B0009, 4/30/76 4. QID #221001 5. WNP-2 Class 1E Equipment List, September, 1982	Qualified.

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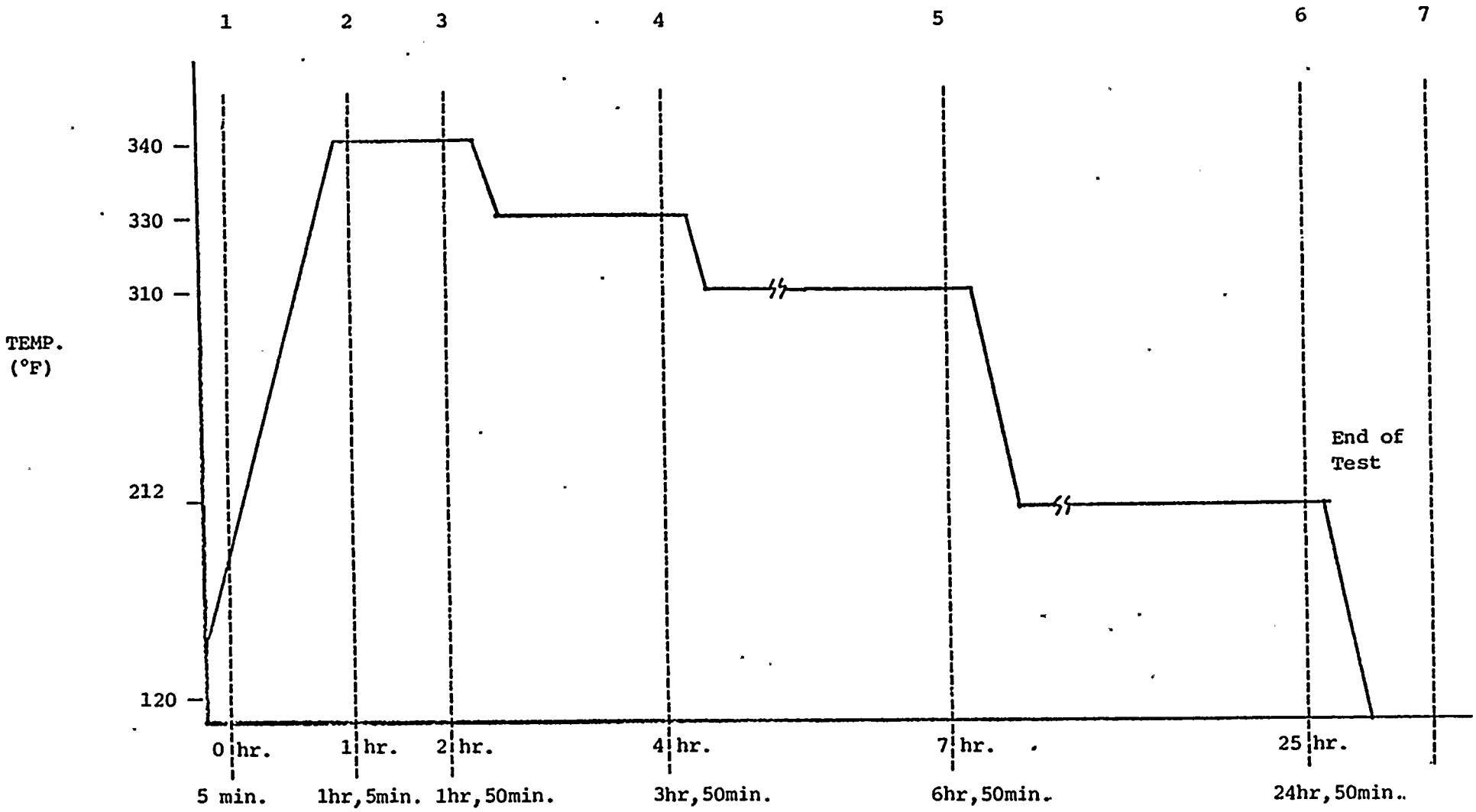
1
2
3
4
5
6
7
340
330
310
212
120
TEMP.
(°F)
End of
Test
0 hr.
1 hr.
2 hr.
4 hr.
7 hr.
25 hr.
5 min.
1hr,5min.
1hr,50min.
3hr,50min.
6hr,50min.
24hr,50min.

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41B

MPL:
PPD:

PAGE NO: 264
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-24A -MO-24B	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Engineering Analysis Simultaneous Test	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	see enclosed profile	2	4	Simultaneous Test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	14.7	see enclosed profile	2	4	Simultaneous Test	None
MODEL NUMBER SMB-3-80/213R3 COMPONENT Motor Operator Motor: Reliance, B insulation	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	4	Simultaneous Test	None
FUNCTION/SERVICE Operates Loop Test Return Valve	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
	RADIATION (RAD)	2.2×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 476 COLUMN K.0/8.1 L.8/8.2	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/18/82

Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-471F, E 4. Limitorque Test Report B0003 5. QID 221001	Qualified

WP-1081

TEMPERATURE PROFILE

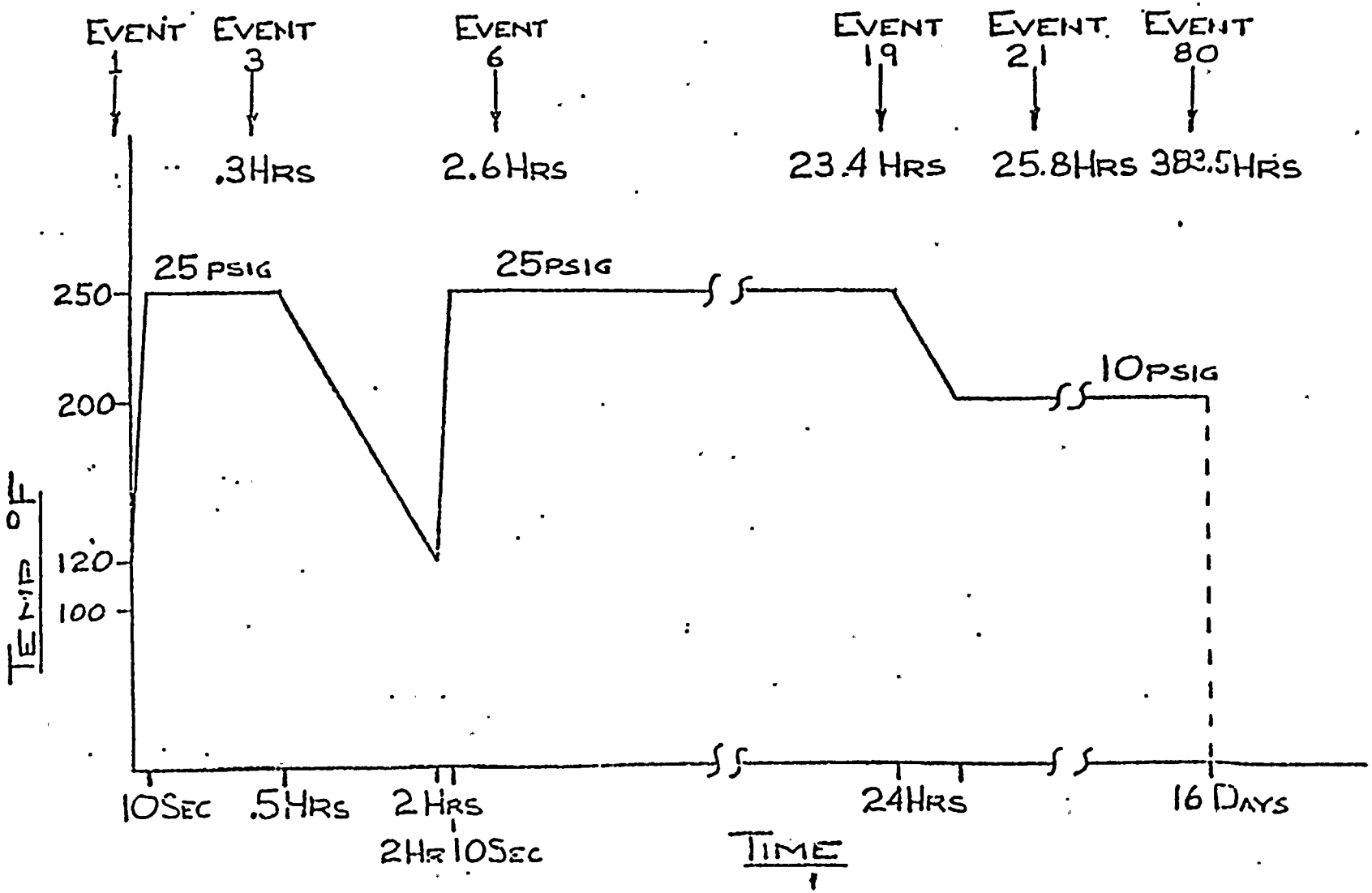

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

PAGE NO: 266
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-27A -MO-27B MANUFACTURER Limitorque MODEL NUMBER SMB-00-7.5/L56 COMPONENT - Motor Operator Motor: Reliance, B insulation FUNCTION/SERVICE Operates wetwell spray valve LOCATION: BLDG R ELEVATION 495 COLUMN K.2/4.1 M.1/7.7	OPERATING TIME	24 hours	Equivalent to>6 months	1	4	Engineering Analysis Simultaneous Test	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4,9	see enclosed profile	2	4,5	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 9	see enclosed profile	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
	RADIATION (RAD)	1.7×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/25/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-471A, E 4. Limitorque Test Report B0003 5. QID 221001	Qualified

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TEMPERATURE PROFILE

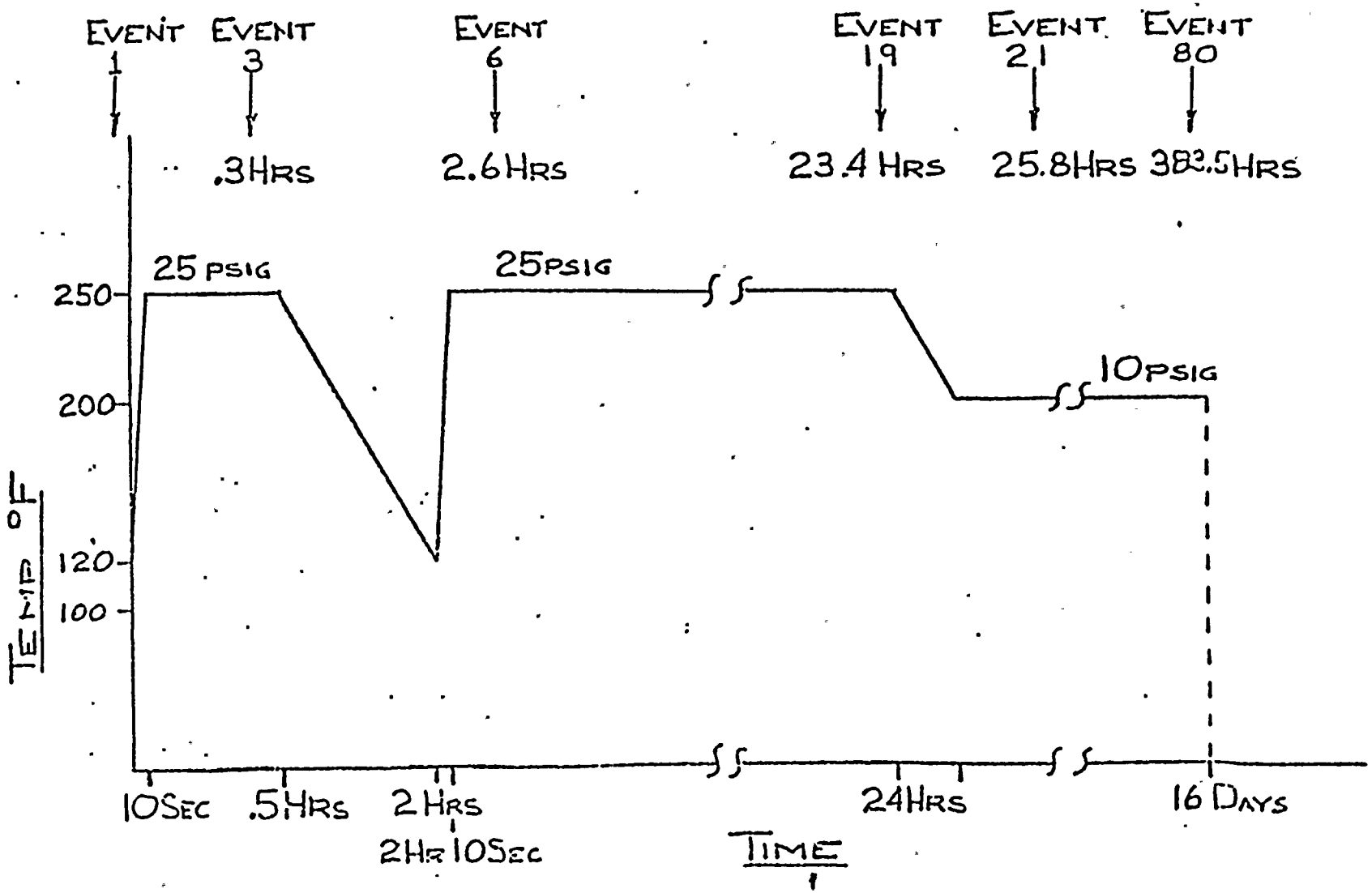

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

PAGE NO: 268
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual heat removal TAG NUMBER RHR-MO-(See Note 1) MANUFACTURER Limitorque MODEL NUMBER SMB-1-40/T56 SMB-3-150/256VR3 SMB-0-40/T56 COMPONENT Motor Operator - Reliance, RH insulation FUNCTION/SERVICE Operates LPCI injection valve LOCATION: BLDG R ELEVATION See Note 1 COLUMN See Note 1	OPERATING TIME	6 months	Equivalent to>6 months	4	3,6	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4,8,16,18, 21	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 8,16,18, 21	See enclosed profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal 100 accident	100	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/R	1	N/R	N/R	None
	RADIATION (RAD)	3.1×10^6	2.04×10^8	5	3	Sequential Test	None
	AGING	40 years	40 years	1	2, 3 6	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/28/82

Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES

1. FSAR Par. 3.11
2. Limitorque Report B0058
3. Limitorque Report B600376A
4. WNP-2 Class 1E Equipment List, dated September 1982
5. EDS Study 0740-004-548 J,N
6. QID #221001

NOTES

1. Qualified

Tag #	Elevation	Column
RHR-MO-3A	562	J.9/8.5
-3B	560	M.2/8.4
-42A	528	J.0/6.0
-42B	528	N.0/5.8
-42C	528	J.0/6.0
-4A	460	K.0/8.3
-4B	450	L.2/8.3
-4C	450	J.7/4.3
-47A	582	M.3/8.4
-47B	527	N.1/9.4

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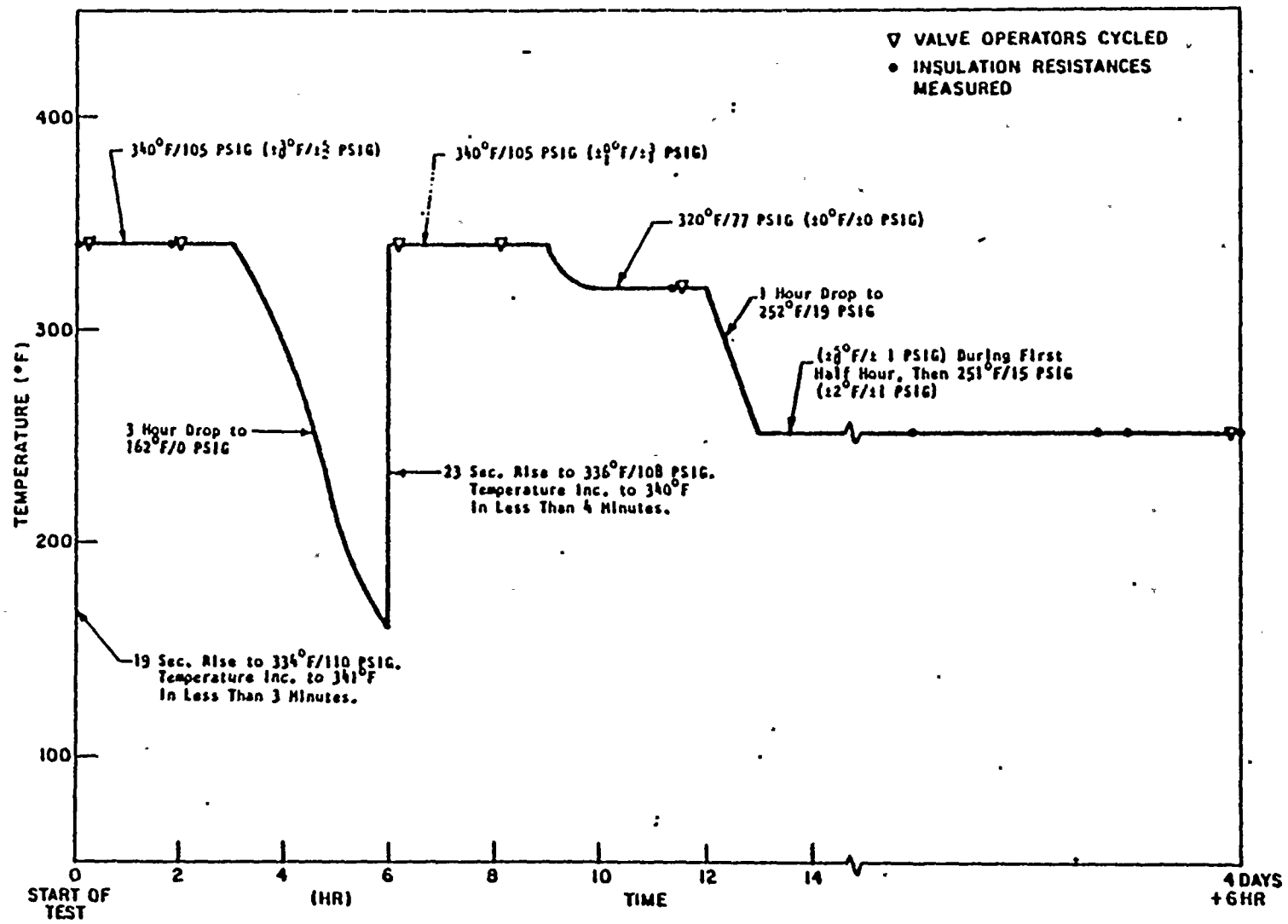

Figure 3. Actual Steam Exposure Profile

F-C3441

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID #221001

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-42A

MPL:
PPD:

PAGE NO: 270
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-52A -52B -48A -48B MANUFACTURER Limitorque MODEL NUMBER SMB-00-10/L56 SMB-3-80/213R3 COMPONENT - Motor Operator Motor: Reliance, B insulation FUNCTION/SERVICE	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Engineering Analysis Simultaneous Test	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	see enclosed profile	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/A	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
	RADIATION (RAD)	3.1×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 578,555 COLUMN H.6/9.2 H.1/8.6 J.2/8.6 M.8/8.7	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/23/82 Reviewed by: Mark Baker 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-548N 4. Limitorque Test Report B0003 5. QID 221002	Qualified.

WP-1881

TEMPERATURE PROFILE

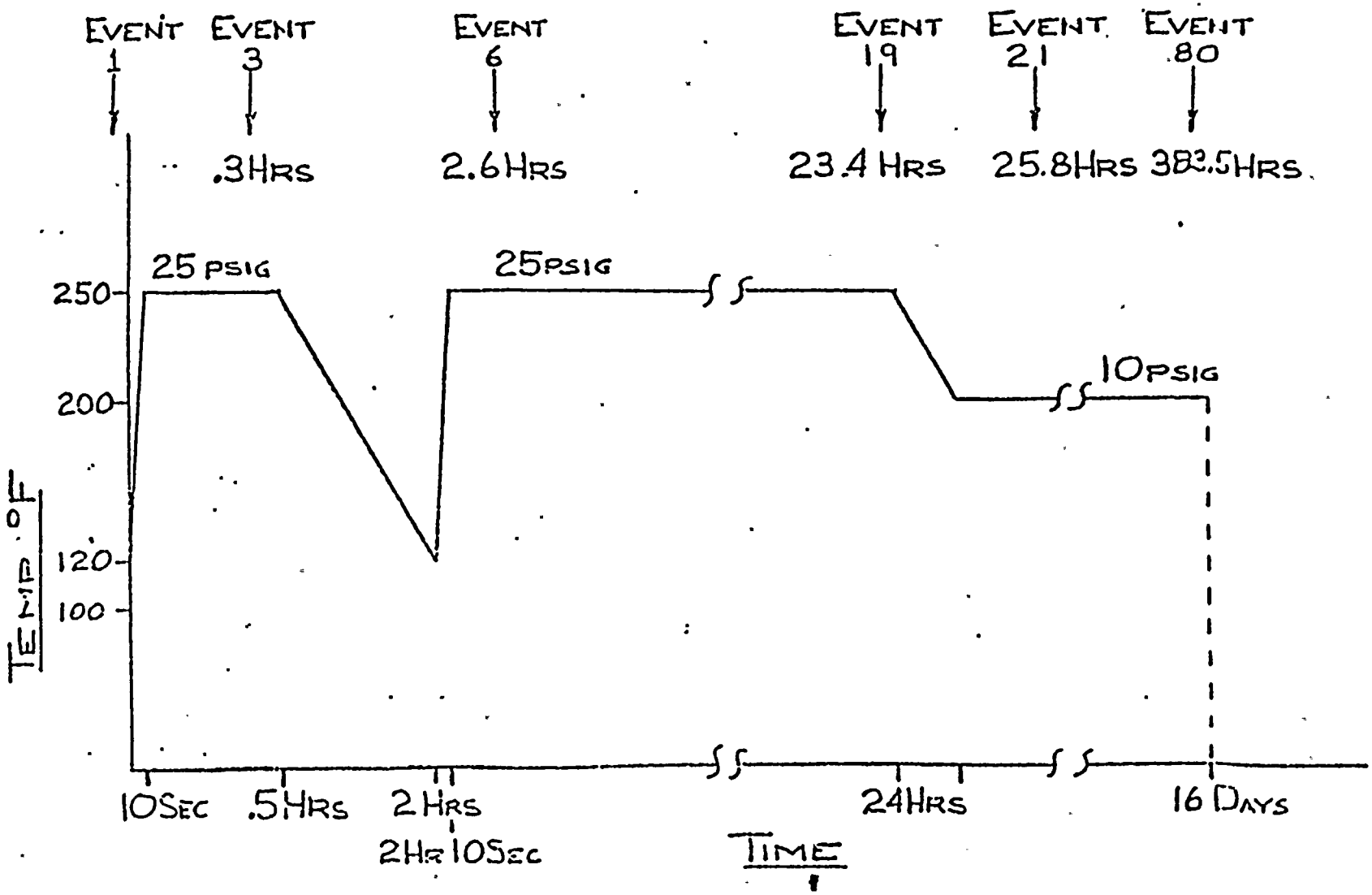

FIGURE 1

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

PAGE NO: 272
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-49	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4	see enclosed profile	2	4	Simultaneous Test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	14.7	see enclosed profile	2	4	Simultaneous Test	None
MODEL NUMBER SMB-000-5/K48 COMPONENT - Motor Operator Motor: Reliance, B insulation	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident profile 4	100	2	4	Simultaneous Test	None
FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
Operates RHR discharge to Radwaste	RADIATION (RAD)	3.1×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 553 COLUMN M.8/8.4	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Clie 8/23/82 Reviewed by: Alan Barr 8/23/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September, 1982 2. FSAR Par. 3.11 3. EDS study 0740-004-548J 4. Limitorque Test Report B0003 5. QID 221001	Qualified.

WP-1081

TEMPERATURE PROFILE

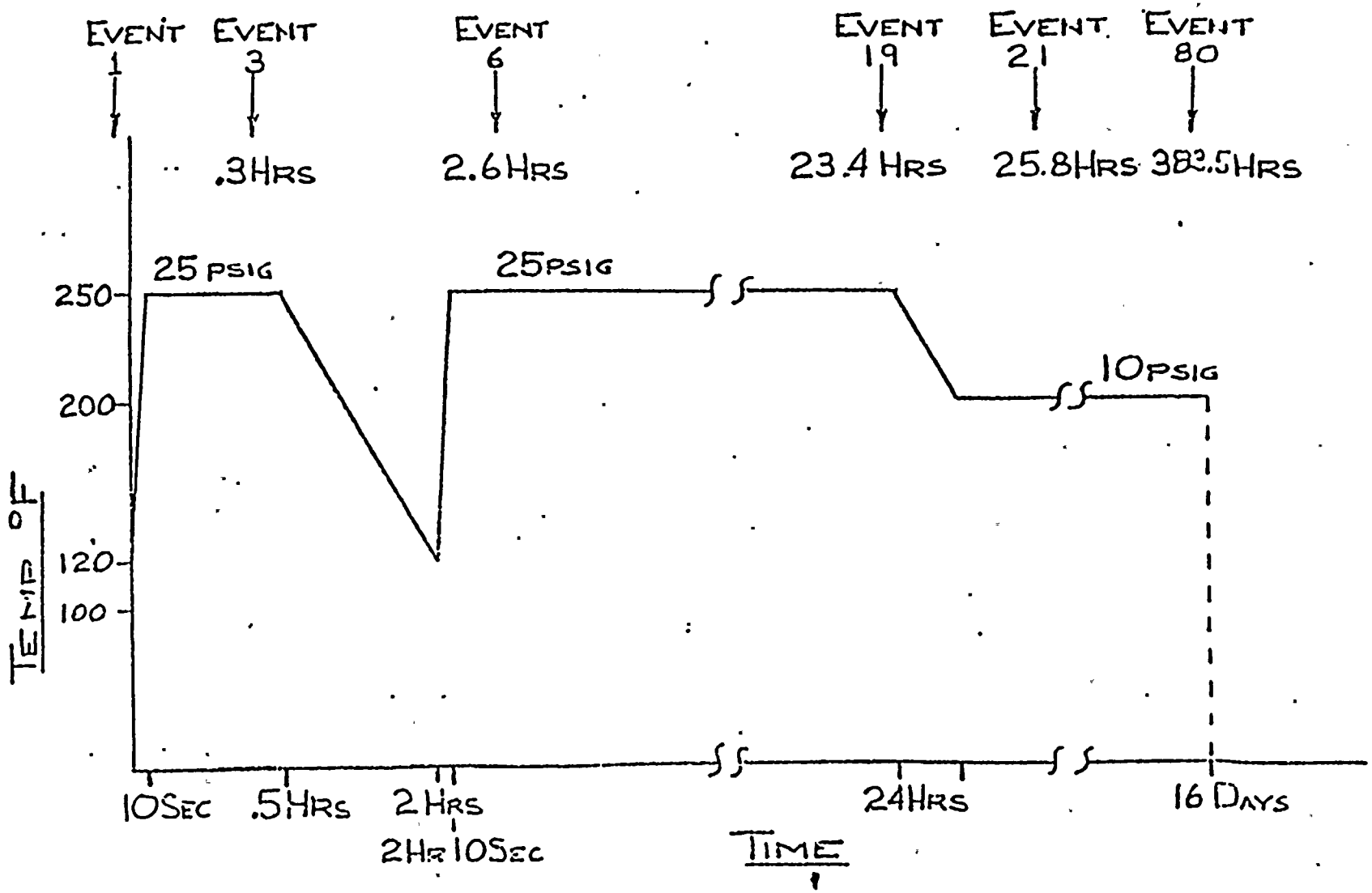

FIGURE 1

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID #221001

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41B, 41A

MPL:
PPD:

PAGE NO: 274
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-53A -MO-53B -MO-6A -MO-6B MANUFACTURER Limitorque MODEL NUMBER SMB-0-25/R56 SMB-2-60/215RZ COMPONENT Motor Operator - Reliance, RH insulation FUNCTION/SERVICE Operates SD cooling injection valve LOCATION: BLDG R ELEVATION 516, 435 COLUMN K.9/4.1 L.2/8.0 K.8/8.3 L.8/8.5	OPERATING TIME	6 months	Equivalent to >6 months	4	3, 6	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4,12,13, 14,15	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 12,13,14, 15	See enclosed profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	50 max. normal 90 max. abnormal 100 accident	100	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/R	1	N/A	N/A	None
	RADIATION (RAD)	2.6×10^6	2.04×10^8	5	3	Sequential Test	None
	AGING	40 years	40 years	1	2, 3 6	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/28/82 Reviewed by: Mark Baker 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Limitorque Report B0058 3. Limitorque Report 500367A 4. WNP-2 Class 1E Equipment List, September, 1982 5. EDS Study 0740-004-501M,S 6. QID #221001	Qualified.

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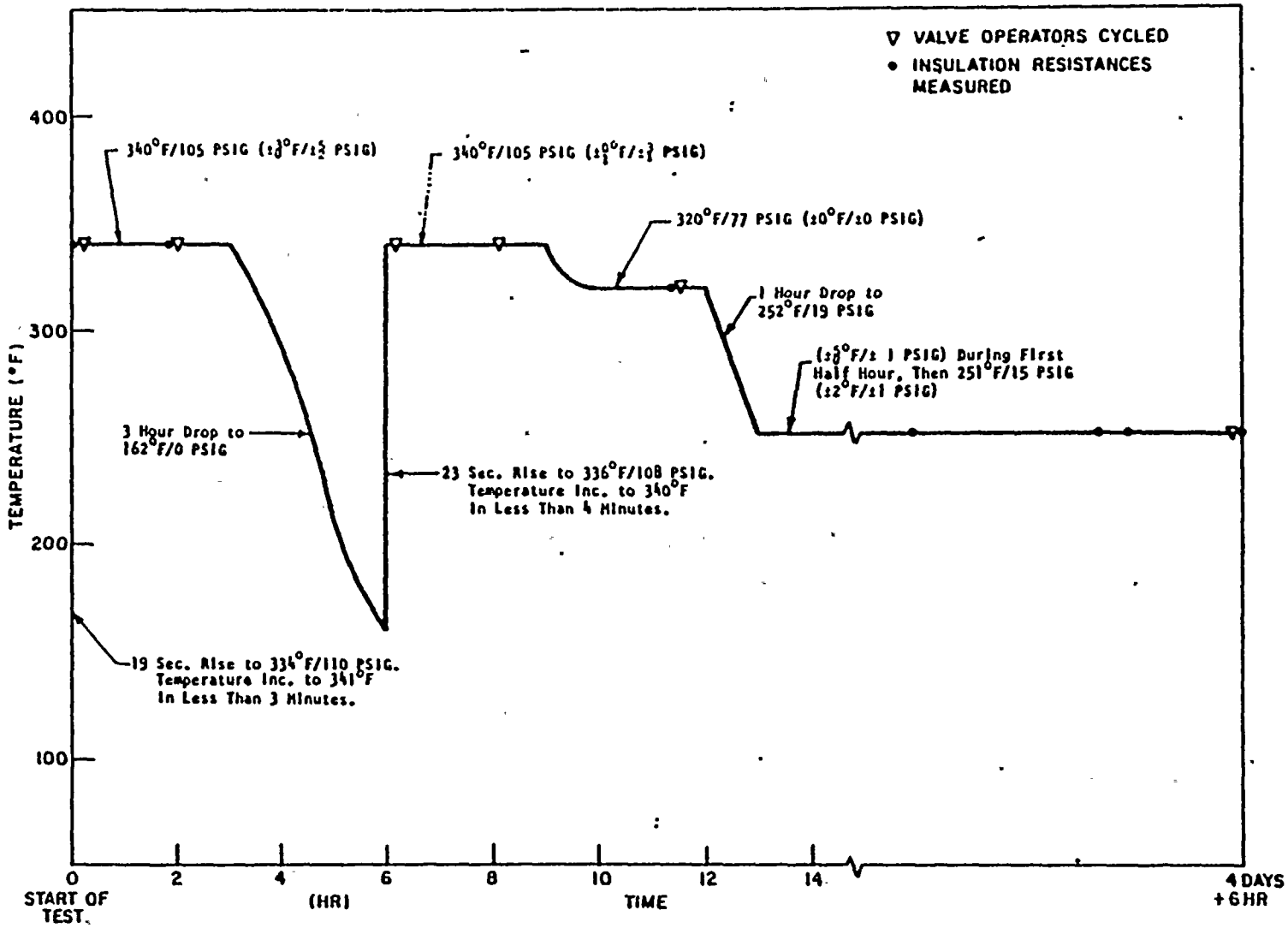

Figure 3. Actual Steam Exposure Profile

F-C3441

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

PAGE NO: 276
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-64A -64B -64C MANUFACTURER Limitorque MODEL NUMBER SMB-000 -5/48 COMPONENT Motor Operator FUNCTION/SERVICE Operate RHR Valves LOCATION: BLDG R ELEVATION 441 COLUMN K/9.3, J/5 , M/9.0	OPERATING TIME	6 months	Equivalent to > 6 months	1	3,4	Simultaneous Testing Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4,8	See enclosed profile	1	3	Simultaneous Testing	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 8	See enclosed profile	1	3	Simultaneous Testing	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 max. accident	Steam from 24 hrs 100% from 15 days	1	3	Simultaneous Testing	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	3.1×10^6	2×10^7	2	3	Sequential Testing	None
	AGING	40 Years	40 Years+	1	3,4	Sequential Testing Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-441J (worst case) 3. Limitorque Report B0003 with addendum A, 5/8/76 in BWR054-C-04 4. Calculations in QID 221001	Qualified.

WP-1081

TEMPERATURE PROFILE

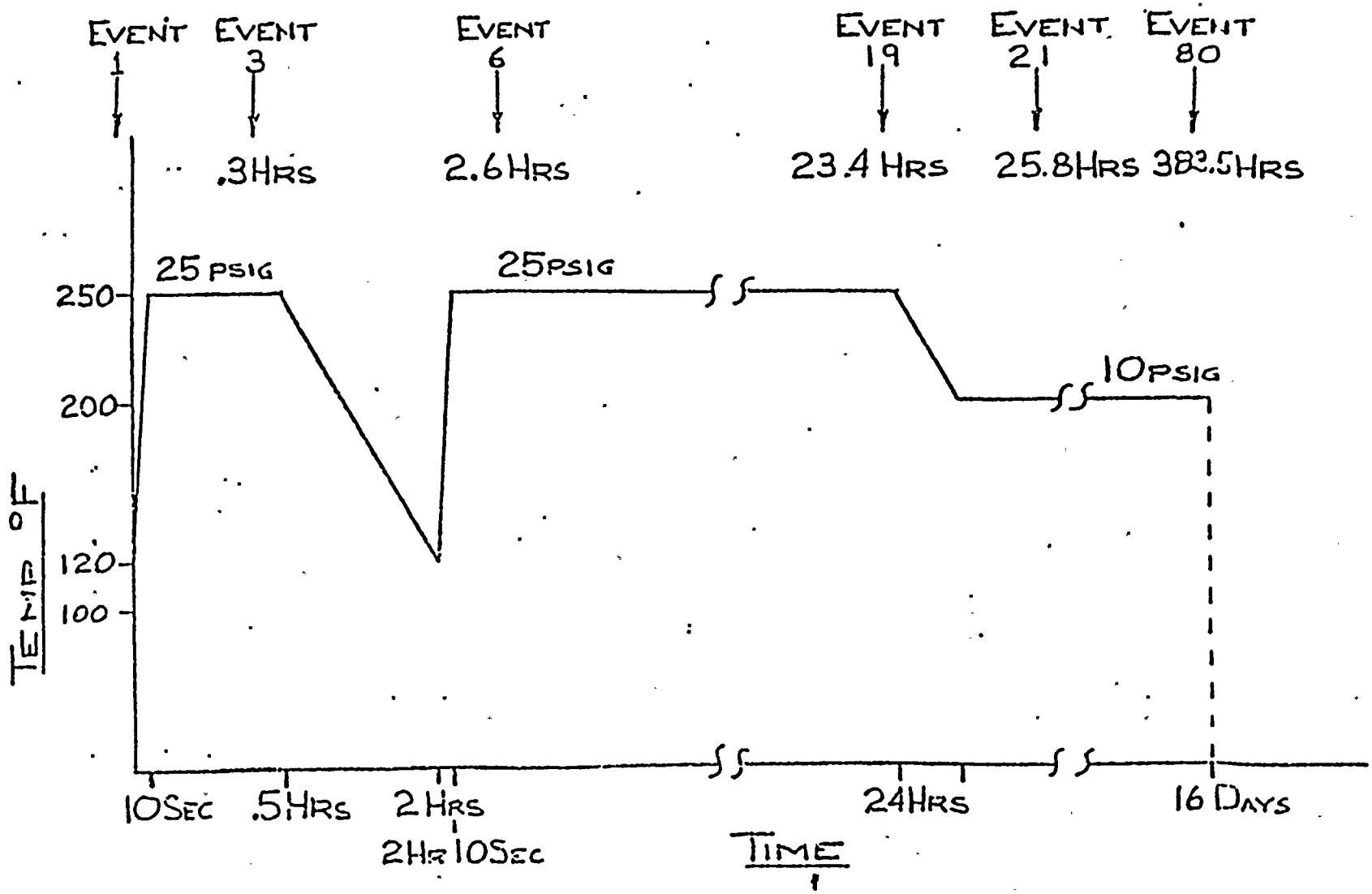

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual heat removal TAG NUMBER RHR-MO-68A RHR-MO-68B MANUFACTURER Limitorque MODEL NUMBER SMB-0-40/T56 COMPONENT Motor Operator- Reliance, RH insulation FUNCTION/SERVICE Operates RHR heat exchanger inlet valve LOCATION: BLDG R ELEVATION 548 COLUMN J.1/9.3 M.8/9.3	OPERATING TIME	6 months	Equivalent to>6 months	4	3,6	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	See enclosed profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal Accident profile 4	100	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/R	1		N/A	None
	RADIATION (RAD)	3.1×10^6	2.04×10^8	5	3	Sequential Test	None
	AGING	40 years	40 years	1	2, 3, 6	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond G. 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Limitorque Report B0058 3. Limitorque Report B600376A 4. WNP-2 Clas 1E Equipment List, September, 1982 5. EDS Study 0740-004-548J, N 6. QID #221001	Qualified.

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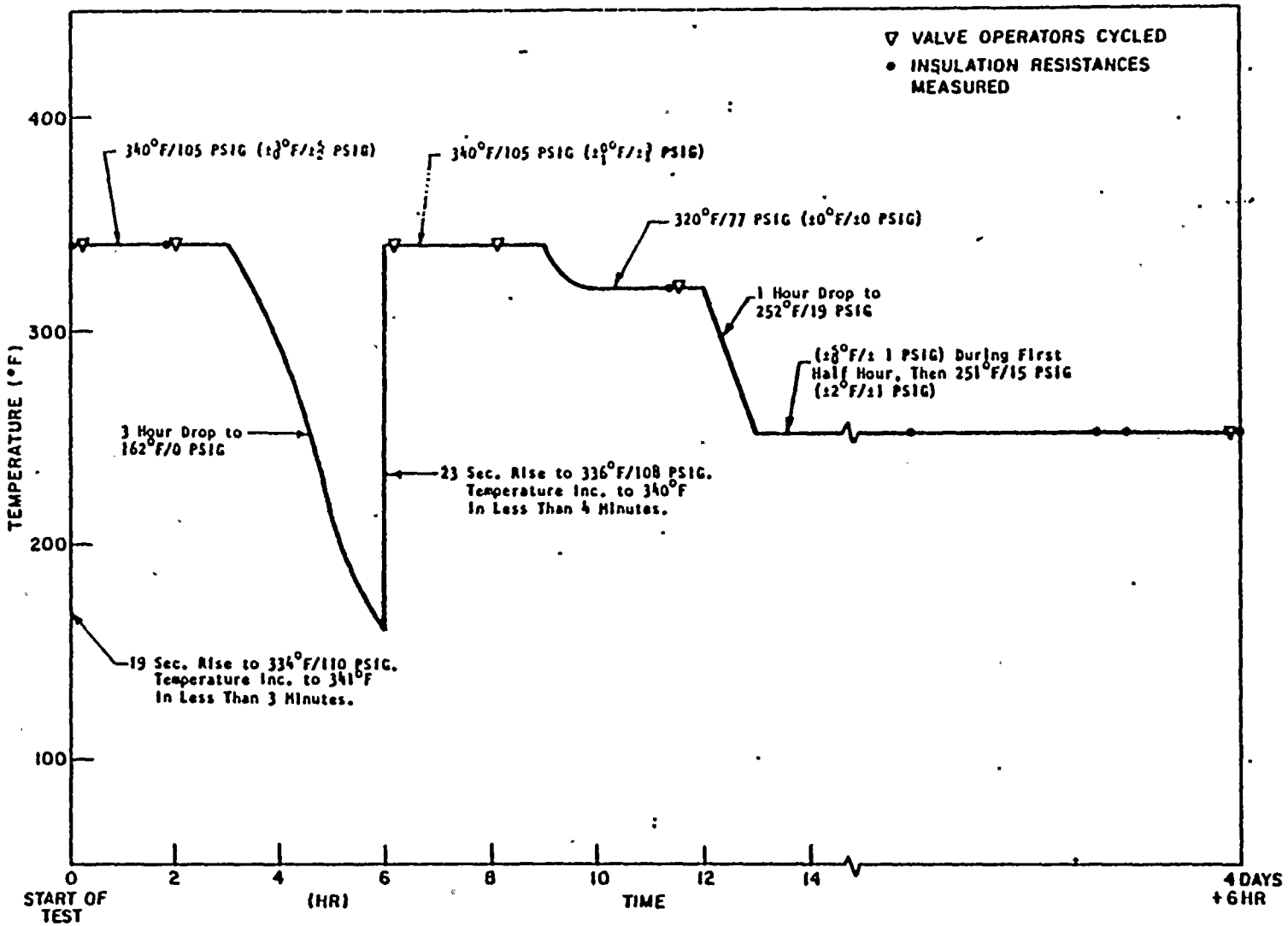

Figure 3. Actual Steam Exposure Profile

F-C3441

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID #221001

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-73A, B 74A, B MANUFACTURER Limitorque MODEL NUMBER SMC-04-5 COMPONENT Motor Operator Reliance, Class B Insulation FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 572 COLUMN J8/9	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	See enclosed profile	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	See enclosed profile	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	4	N/A	None
	RADIATION (RAD)	1.2×10^6	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4, 5	Simultaneous Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Oli 8/23/82

Reviewed by: Mark Baker 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-572L, I 4. Limitorque Test Report B0003 5. QID 221001	Qualified.

WP-1081

TEMPERATURE PROFILE

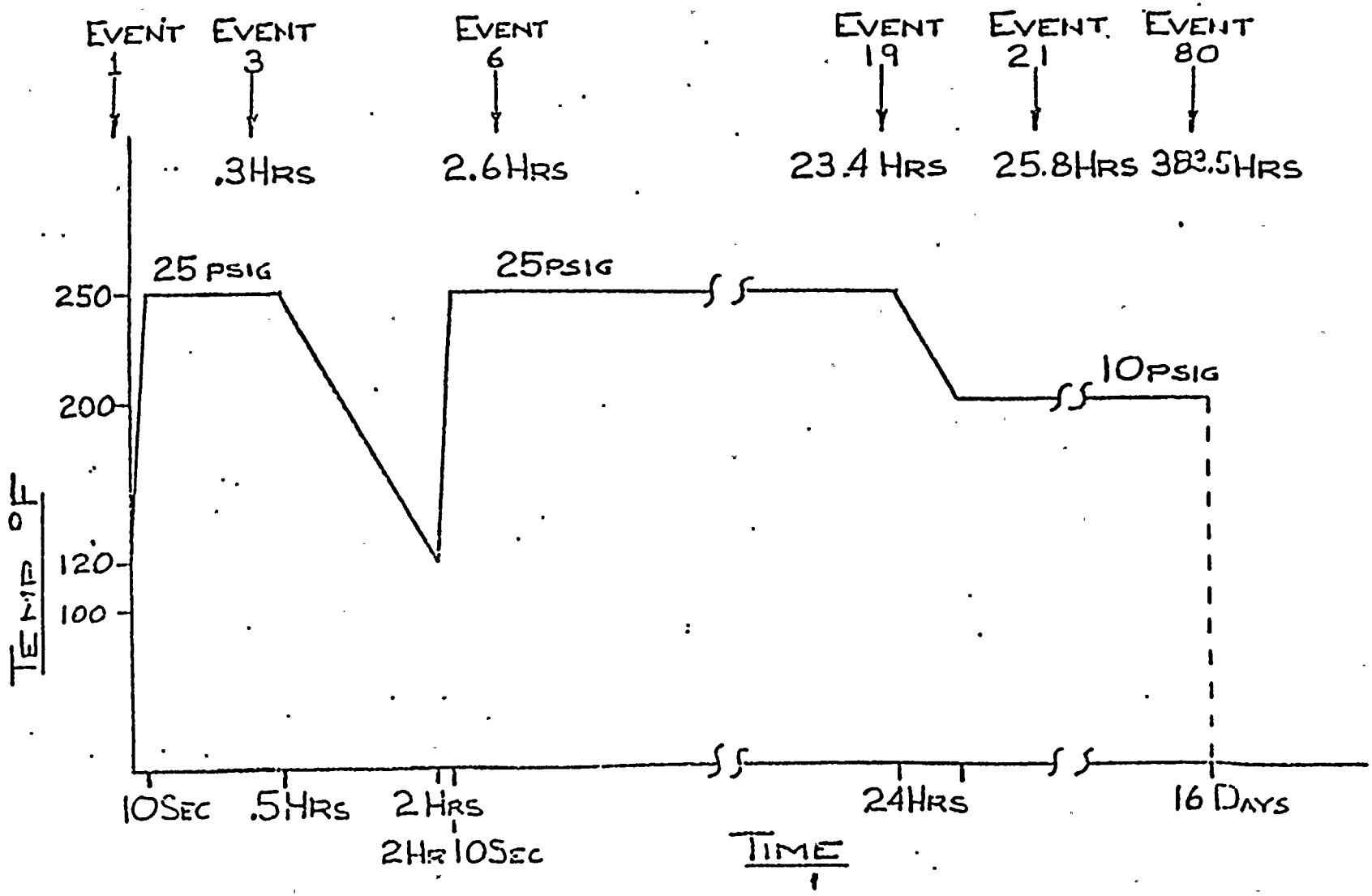

FIGURE 1

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

PAGE NO: 282
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Residual Heat Removal TAG NUMBER: RHR-MO-8 MANUFACTURER: Limitorque MODEL NUMBER: SMB-2-80/DS224B COMPONENT: Valve Motor Operator FUNCTION/SERVICE: Operate RHR Valves LOCATION: BLDG R ELEVATION 512 COLUMN M9/7.3	OPERATING TIME	6 months	Equivalent to > 6 months	5	3, 4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 maximum normal 104 maximum abnormal Accident Profile 4	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/A	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 maximum abnormal Accident Profile 4	100%	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.5×10^6	1×10^7	2	3	Sequential Test	None
	AGING	40 years	40+ years	1	3, 4	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	Engineering Analysis	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/23/82

Reviewed by: Mark Baker 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-501I 3. Limitorque Report B0009, 4/30/76 Section E 4. QID #221001 5. WNP- 2 Class 1E Equipment List, September, 1982	1. Qualified

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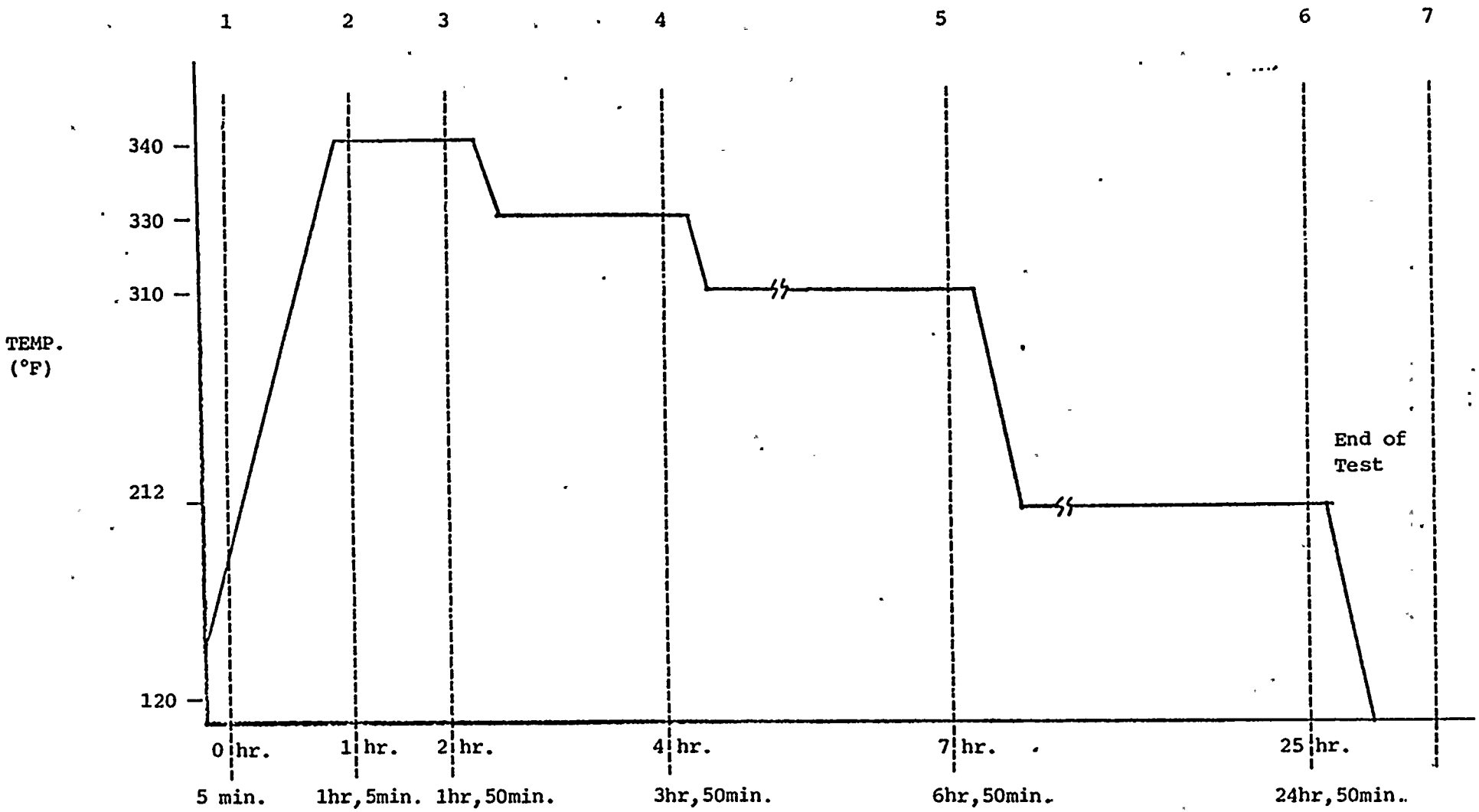
1
2
3
4
5
6
7
340
330
310
212
120
TEMP.
(°F)
End of
Test
0 hr.
1 hr.
2 hr.
4 hr.
7 hr.
25 hr.
5 min.
1hr,5min.
1hr,50min.
3hr,50min.
6hr,50min.
24hr,50min.

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-42A

MPL:
PPD:

PAGE NO: 284
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-87A, B	OPERATING TIME	6 months	Equivalent to>6 months	5	3,4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident profile 4	See enclosed profile	1	3	Simultaneous Test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	14.7	See enclosed profile	1	3	Simultaneous Test	None
MODEL NUMBER SMB-00-10/L56 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident profile 4	100	1	3	Simultaneous Test	None
Valve Motor Operator FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
Operate RHR Valve	RADIATION (RAD)	1.2×10^6	2×10^7	2	3	Sequential Test	None
	AGING	40 years	40+ years	1	3,4	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 578 COLUMN J/9.3 M.8/8.6	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Q. 8/23/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-572I 3. Limitorque Report B0003 with Addendum A (BWR-054-C-04) 4. QID #221001 5. WNP-2 Class 1E Equipment List dated September, 1982	Qualified

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TEMPERATURE PROFILE

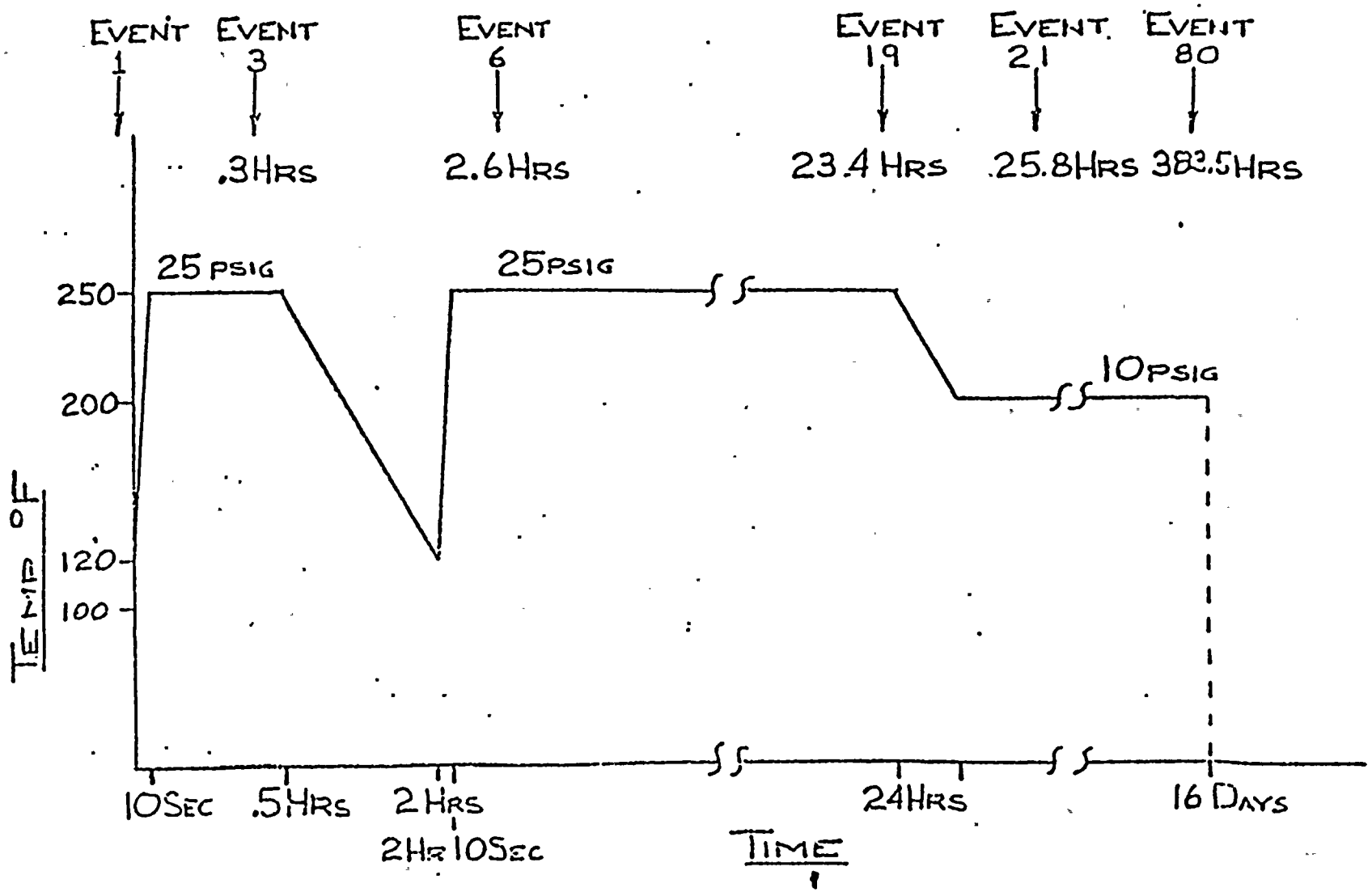

FIGURE 1

WPPSS

QID#221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

PAGE NO: 286
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-9	OPERATING TIME	6 months	Note 1	2			
	TEMPERATURE (F)	135 Normal 150 abnormal Accident - Profile 1		1			
MANUFACTURER Limitorque	PRESSURE (PSIA)	16.7 normal Accident - Profile 1		1			
MODEL NUMBER SMB-2601215R2 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 2		1			
Motor Operator FUNCTION/SERVICE	CHEMICAL SPRAY	Demineralized water		1			
	RADIATION (RAD)	7.0×10^7		1			
	AGING	40 years		1			
LOCATION: BLDG C ELEVATION 509 COLUMN 150°D	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82

Reviewed by: Raymond Ollis 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 Class 1E Equipment List, dated September, 1982	1. Man and model on Class 1E List but no evaluation. The qualification status of these components has not yet been determined. Requalification activities will be implemented, if required.

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WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID #221001

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02G11

MPL: G11-F093 and G11-F094
PPD: 21A1883

PAGE NO: 287
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-93 -94	OPERATING TIME	6 months	Equivalent to > 6 months	4	2,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	See enclosed profile	1	2	Simultaneous Test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	14.7	N/A	1	N/A	N/A	None
MODEL NUMBER SMB-0-40/T56	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident Profile 4	Steam for 24 hours 100% for 15 days	1	2	Simultaneous Test	None
COMPONENT Valve Motor Operator (Reliance Class B)	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
FUNCTION/SERVICE Operate RHR/SSW Crosstie Valve	RADIATION (RAD)	3.1×10^6	2×10^7	3	2	Sequential Test	None
	AGING	40 years	40 years	1	2,5	Sequential Test Engineering Analysis	None
LOCATION: BLDG R ELEVATION 552 COLUMN N/8.6, N/9	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/20/82 Reviewed by: Alan Baker 8/20/82

DOCUMENTATION REFERENCES	NOTES
1. Par. 3.11 2. Limitorque Test Report B0003, with Addendum A, prepared 5/8/76 3. EDS Study 0740-004-548J 4. WNP-2 Class 1E Equipment List, dated September, 1982 5. Calculations in QID 221001	Qualified

WP-1081

TEMPERATURE PROFILE

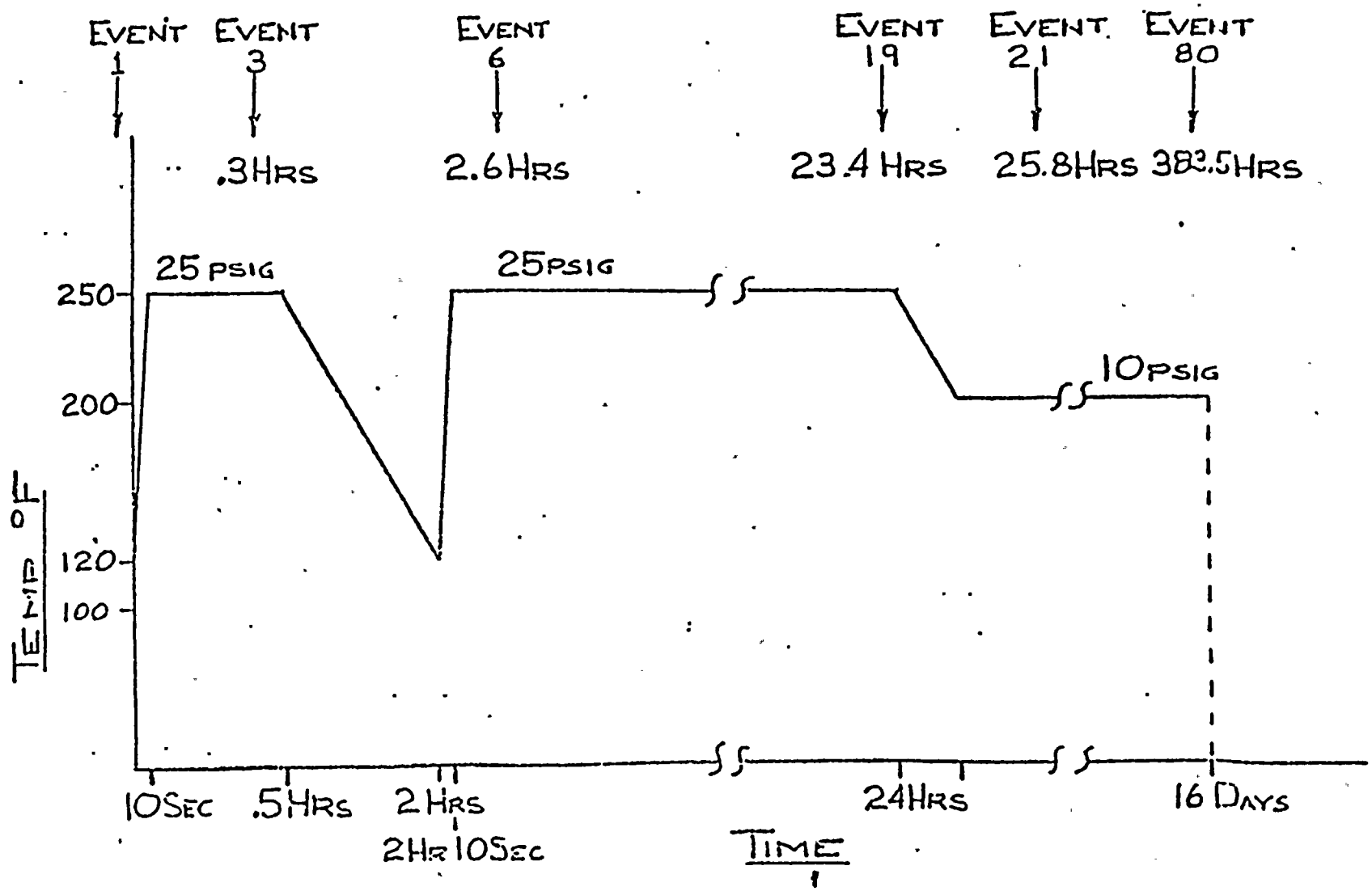

FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

PAGE NO: 289
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-MO-99A RHR-MO-99B MANUFACTURER Limitorque MODEL NUMBER SMB-000-5/P48 COMPONENT Valve Motor Operator FUNCTION/SERVICE Operate RHR Valves LOCATION: BLDG C ELEVATION 510 COLUMN 95° + 270°	OPERATING TIME	6 months	Equivalent to > 6 months	5	2, 3	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	135 normal 150 maximum abnormal Accident - profile 1	See enclosed profile	1	2	Simultaneous Test	None
	PRESSURE (PSIA)	16.7 normal Accident - Profile 1	See enclosed profile	1	2	Simultaneous Test	None
	RELATIVE HUMITY (%)	50 normal 90 maximum abnormal Accident Profile 2	100	1	2	Simultaneous Test	None
	CHEMICAL SPRAY	Demineralized water	Chemical spray with pH 10	1	4	Simultaneous Test	None
	RADIATION (RAD)	7.7×10^7	2.04×10^8	1	2	Sequential Test	None
	AGING	40 years	40+ years	1	2, 3	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/25/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Limitorque Report 600376A, 5-13-76 3. QID #221001 4. Limitorque Report 600456, 12-9-75, Section C Appendix c. 5. WNP-2 Class 1E Equipment List, September, 1982	1. Qualified

WP-1081

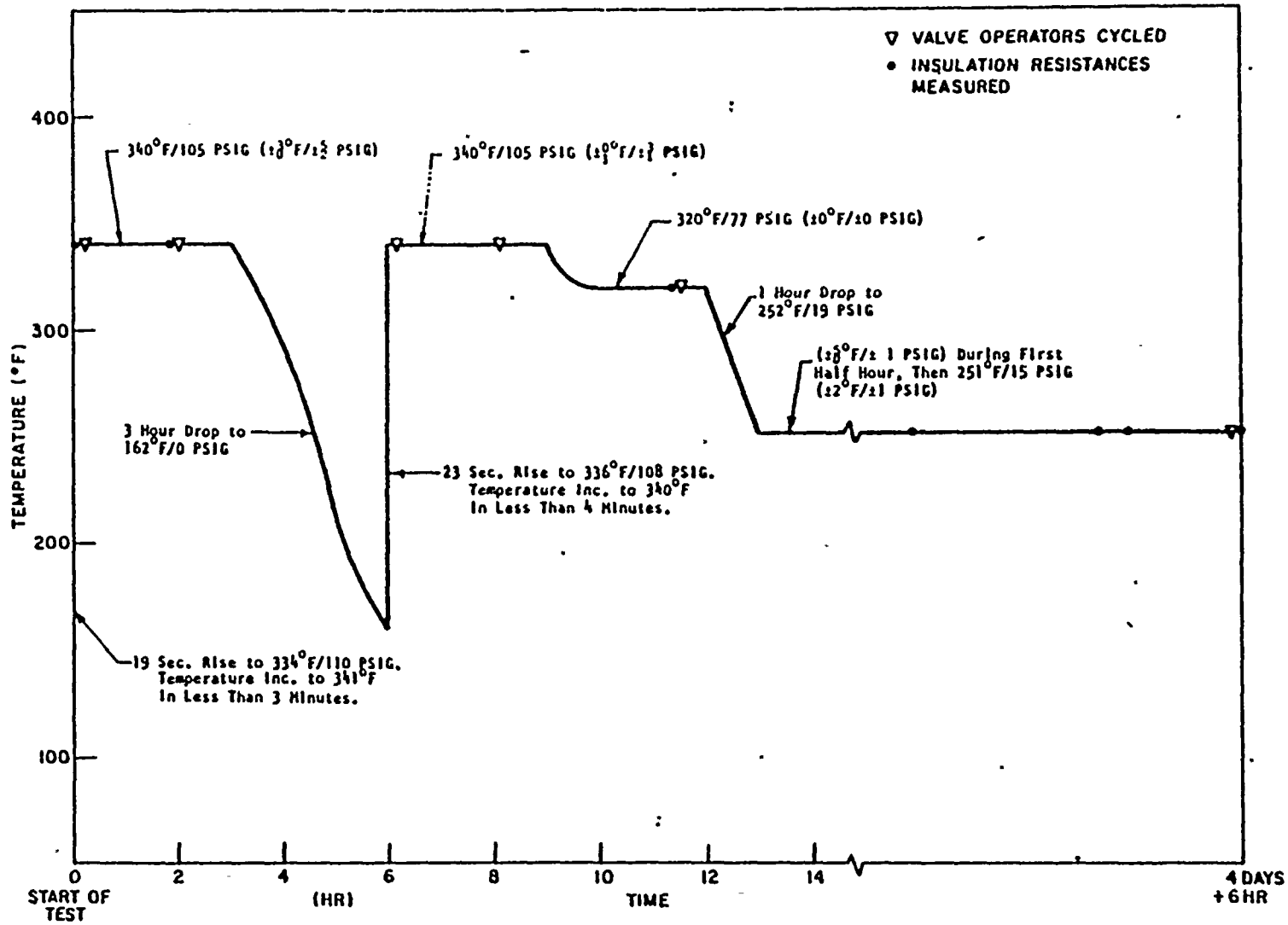

Figure 3. Actual Steam Exposure Profile

F-C3441

WPPSS QID #156003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2802-02

MPL: E12-N022A,C
PPD:

PAGE NO: 291
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-PIS-22A RHR-PIS-22C MANUFACTURER Robert Shaw MODEL NUMBER COMPONENT Pressure Indicating Switch FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 503 501 COLUMN J /9.4 K/3.8	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4		2			None
	PRESSURE (PSIA)	14.7		2			None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	4.6×10^5		3			None
	AGING	40 years		2			None
	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YESX NO

Prepared by: Ali Nadeem 8/28/82 Reviewed by: Raymond [illegible] 8/28/82

DOCUMENTATION REFERENCES

1. WNP Class 1E Equipment List, dated September, 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-501B, K

NOTES

1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function.

   Qualified.

WP-1081

WPPSS QID #245002, 256016

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E12

MPL: E12-N016A,B,C,E12-N019, E12-N022B
PPD:

PAGE NO: 292
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-PS-16 A-C PS-19 A-C PIS-22B MANUFACTURER Static-O-Ring MODEL NUMBER 5N-AA3-X105TT COMPONENT Pressure Switch FUNCTION/SERVICE LPCI Permissive Pump Pressure Switch LOCATION: BLDG R ELEVATION 501 COLUMN See Note 2	OPERATING TIME	24 hours	Equivalent to>6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4, 10	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 Normal Accident Profile 10	Accident Profile 10	2	4,5	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	4.6×10^5	8.3×10^5	3	4	Engineering Analysis	None
	AGING	40 years	26 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		0.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated 9/82
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-501B
4. QID File #245002, 256016
5. Viking Lab.Inc. Test letter Report #30203-2 dated 11/20/73. Steam testing of Static-O-Ring Pressure Switch, P/N 12N-AA4-TTX10.

NOTES

Qualified

1. A preventive maintenance/surveillance program is being developed to extend the qualified life
2.

Tag#	Column	Tag#	Column
RHR-PS-16A	J 3/3.6	RHR-PIS-22B	R 503 J/9.4
RHR-PS-16B-C	H8/9.3		
RHR-PS-19A	J5/3.6		
RHR-PS-19B-C	H8/9.4		

WP-1981

WPPSS QID# 256020

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02 E12

MPL: E12-N018
PPD:

PAGE NO: 293
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-PS-18	OPERATING TIME	6 months	Equivalent to>6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	212	2	5	Simultaneous Test	None
MANUFACTURER Static-O-Ring MODEL NUMBER 5N-AA3	PRESSURE (PSIA)	14.7	14.95	2	5	Simultaneous Test	None
COMPONENT Pressure Switch	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	5	Simultaneous Test	None
FUNCTION/SERVICE Pressure Switch Shutdown Cooling	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.5×10^6	8.3×10^5	3	4, 5	Engineering Analysis	Note 2
	AGING	40 years	26 years	2	4	Engineering Analysis	None Note 1
LOCATION: BLDG R ELEVATION 501 COLUMN M.8/7.9	ACCURACY		0.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: A. Nadir 8/22/82 Reviewed by: Raymond [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-501M 4. QID File #256020 5. Viking Lab., Inc. Test Letter Report 30203-2, 11/20/73	1. A preventive maintenance/surveillance program is being developed to extend the qualified life. 2. Requalification methods are being evaluated.

WP-1081

WPPSS QID #259012

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E12

MPL:
PPD:

PAGE NO: 294
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Heat Removal TAG NUMBER RHR-PT-26A,B MANUFACTURER Bailey MODEL NUMBER 556 COMPONENT Pressure Transmitter FUNCTION/SERVICE RCIC Loop A,B LOCATION: BLDG R ELEVATION 597 COLUMN J.0/9.0 N.0/8.3	OPERATING TIME	24 hours	Note 1	1			
	TEMPERATURE (F)						
	PRESSURE (PSIA)						
	RELATIVE HUMITY (%)						
	CHEMICAL SPRAY						
	RADIATION (RAD)						
	AGING						
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared By: AK Nadri 9/4/82

Reviewed By: Raymond Ch 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82	1. The evaluation documented in the Justification for Interim Operation identifies these components are not being safety related. They will be removed from the Class 1E list.

WP-1081

WPPSS ID #339011

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02, 02E12

MPL: E12-N004A, B, 5A, 5B
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-TE-27A, B RHR-TE-4A, B RHR-TE-5A, B MANUFACTURER NECI-Nuclear Engineering MODEL NUMBER 117C3485P022 COMPONENT Temperature Element FUNCTION/SERVICE Temperature element (primary) RHR-HX SSW Outlet LOCATION: BLDG R ELEVATION 572, 560 COLUMN L.0/8.3(-5A, B)	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4, 30, 32		2			
	PRESSURE (PSIA)	14.7 normal Accident Profile 30, 32		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	3.1×10^6		3			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naiemi 9/4/82 Reviewed by: Raymond Chin 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated 12/16/81 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-548N, L and 572L, I	1. Test data is being reviewed for applicability.

WP-1081

WPPSS QID324006

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

PAGE NO: 296
REVISION: 2
DATE: August, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Residual Heat Removal TAG NUMBER RHR-V-182 -60A -60B -75A -75B MANUFACTURER Marotta MODEL NUMBER MV36RP-H3 COMPONENT Solenoid Valve FUNCTION/SERVICE	OPERATING TIME	4320 hours		3			Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident-Profile 4		1			
	PRESSURE (PSIA)	14.7		1			
	RELATIVE HUMITY (%)	40-70 normal 90 abnormal Accident-Profile 4		1			
	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	3.1×10^6		2			
	AGING	40 years		1			
LOCATION: BLDG R ELEVATION 548 COLUMN L/9, N/8.3, K/8.3	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: Carl J. Blume

Reviewed by: J.F. Sullivan

DOCUMENTATION REFERENCES

1. FSAR Par. 3.11
2. EDS Study 0740-004-548J
3. WNP-2 Class 1E Equipment List dated 12/16/81

NOTES

1. Environmental Qualification Test Program for these components is currently being negotiated with manufacturer.

WP-1081

WPPSS QID #200014

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-216

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Outside Air TAG NUMBER ROA-LMS- 10, 11, 12, 13 14, 15, 17, 19 MANUFACTURER Namco MODEL NUMBER 70050100 COMPONENT Limit Switch FUNCTION/SERVICE Limit Switch for Air Dampers LOCATION: BLDG R ELEVATION See Note 2 COLUMN See Note 2	OPERATING TIME	6 months	Note 1	1	4		
	TEMPERATURE (F)	90 maximum normal 104 maximum abnormal Accident Profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	45 normal 90 abnormal Accident Profile 4		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	1.0×10^5		3			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List September, 1982 2. FSAR Paragraph 3.11 3. EDS Report #0740-004-548K 4. WPPSS Letter GE-02-JLS-81-021	1. These limit switches are being replaced by Namco Limit Switch EA-740 which is qualified to IEEE 323-74 and IEEE-75. (Ref. 4).

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)

2.

Tag Number	Elevation	Column
LMS-10	542	M.5/3.9
-11	542	H.7/8.3
-13	591	M.5/6.0
-14	591	N.1/8.3
-15	563	N.0/9.3
-17	563	N.0/4.9
-19	560	L.0/8.0

WPPSS QID315004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2803-216

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Building Outside Air TAG NUMBER ROA-SPV- See Note 2 MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER HBX8320A1 COMPONENT Solenoid Pilot Valve FUNCTION/SERVICE Operate HVAC Dampers LOCATION: BLDG R ELEVATION See Note 2 COLUMN	OPERATING TIME	6 months	>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Profile 4	Envelopes Profile 4 with >8C margin	2	4	Simultaneous Test Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal Profile 4	(< 90%)	2	6	Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	2	6	N/A	None
	RADIATION (RAD)	5.4×10^4	6×10^5	3	5	Engineering Analysis	None
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. L. Robinson

Reviewed by: F. Sullivan

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List dated 9/1/82. 2. FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0 3. EDS Study 0740-004-572D (worst case) 4. Calculation QID315004-1 5. Calculation QID315004-2 6. Calculation QID315004-3	1. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life. Qualified

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	2. TAG NUMBER -10 522 H6/4 -11 522 H4/8.3 -12 471 H4/8 -13 575 H4/5.7 -14 572 H8/7.8 -15 548 H4/4.3 -17 548 H4/4.4

WPPSS

QID315004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL:
PPD:

PAGE NO: 301
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Building Outside Air TAG NUMBER ROA-SPV-100 MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER HJIIT8316E35F COMPONENT Solenoid Pilot Valve FUNCTION/SERVICE Solenoid Pilot for ROA-V-1 LOCATION: BLDG R ELEVATION 548 COLUMN H.8/5.7	OPERATING TIME	6 months	> 6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Profile 4	Envelopes Profile 4 with >8C margin	2	4	Simultaneous Test Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 max normal 90 max abnormal Profile 4	< 90%	2	6	Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.2×10^4	6×10^5	3	5	Engineering Analysis	None
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [signature]

Reviewed by: [signature]

DOCUMENTATION REFERENCES

1. WNP-2 CIE Equipment List dated 9/1/82
2. FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0
3. EDS Study 0740-004-548G
4. Calculation QID315004-1
5. Calculation QID315004-2
6. Calculation QID315004-3

NOTES

1. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life.

   Qualified.

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WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID315004

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP 2
SPEC: 2808-02

MPL:
PPD:

PAGE NO: 302
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Building Outside Air TAG NUMBER ROA-SPV-200	OPERATING TIME	6 months	> 6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Profile 4	Envelopes Profile 4 with > 8C margin	2	4	Simultaneous Test Engineering Analysis	None
MANUFACTURER Automatic Switch (ASCO)	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
MODEL NUMBER WJHT8316E35F	RELATIVE HUMITY (%)	40 max normal 90 max abnormal Profile 4	< 90%	2	6	Engineering Analysis	None
COMPONENT Solenoid Pilot Valve	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
FUNCTION/SERVICE	RADIATION (RAD)	8.3×10^5	6×10^5	3	5	Engineering Analysis	Note 1
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 2
LOCATION: BLDG R ELEVATION 528 COLUMN N/8.2	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. S. Johnson

Reviewed by: J. Sullivan

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List dated 9/1/82. 2. FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0 3. EDS Study 0740-004-522H 4. Calculation QID315004-1 5. Calculation QID315004-2 6. Calculation QID315004-3	1. A pin-point radiation analysis is being performed. 2. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life.

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WPPSS QID# 256016

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02C72

MPL: C72-N002A,B,C,D
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Protection System TAG NUMBER RPS-PS-2A-D MANUFACTURER Static-O-Ring MODEL NUMBER 12N-AA5-X10TT 12N-AA4-X10TT COMPONENT Pressure Switch FUNCTION/SERVICE Drywell High Pressure LOCATION: BLDG R ELEVATION 522 COLUMN See Note 2	OPERATING TIME	1 Min.	6 hours	1	4	Simultaneous Test	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profile 4	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	14.95	2	5	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal Accident Profile 4	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	8.33×10^5	8.33×10^5	3	4	Engineering Analysis	None
	AGING	40 years	26 years	2	4	Engineering Analysis	None Note 1
	ACCURACY		0.5 FSPE		5	Simultaneous Test	

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nadiri 8/25/82 Reviewed by: Raymond [illegible] 3/25/87

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September, 1982.
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-522H
4. QID# 256016
5. Viking Lab. Inc. Test letter Report #30203-2 dated 11/20/73. Steam test of Static-O-Ring Pressure Switch, P/N 12N-AA4-TTX10.

NOTES

Qualified

1. A preventive maintenance/surveillance program is being developed to extend the qualified life.
2.

Component	Column
RPS-PS-2A	J5/7.1
RPS-PS-2B	M.8/6.6
RPS-PS-2C	N8/5.8
RPS-PS-2D	J8/4.8

WP-1981

WPPSS QID #213012, 13, 15, 21, 25

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-67
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Building Return Air TAG NUMBER RRA-M-(See Note 2) MANUFACTURER Westinghouse MODEL NUMBER See Note 2 COMPONENT Motors FUNCTION/SERVICE See Note 2 LOCATION: BLDG R ELEVATION See Note 2 COLUMN	OPERATING TIME	6 months	Equivalent to 6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 Max Normal 104 Max Abnormal Accident Profiles 4, 8, 9	484	2	4,5	Simultaneous Test and Engineering Analysis	None
	PRESSURE (PSIA)	14.7 Normal Accident Profiles 8, 9	Accident Profiles 8, 9	2	4,5	Simultaneous Test and Engineering Analysis	None
	RELATIVE HUMITY (%)	40 Normal 90 Abnormal 100 Accident	100	2	4,5	Simultaneous Test and Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	4.0×10^6 Maximum	1×10^8	3	4,5	Separate Effects and Engineering Analysis	None
	AGING	40 years	Note 1	2			None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL? YES X NO

Prepared by: [illegible] 9/3/82 Reviewed by: Raymond Chi 9/3/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-441J
4. Westinghouse Test Report MM-9112, "Class 1E Medium A. C. Motors (Outside Containment)," Revision 4, November 18, 1980.
5. QID Files 213012, 213013, 213015, 213021, 213025

NOTES

Qualified

1. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

2.

Tag Number	Model	Function/Service	Elevation	Column
RRA-M-1	SBFC	Motor for RRA-FC-1	445	H7/4.3
RRA-M-2	SBFC	Motor for RRA-FC-2	445	M/8.3
RRA-M-3	7BFC	Motor for RRA-FC-3	445	M5/4.1

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DOCUMENTATION REFERENCES (Cont'd)

NOTES (Cont'd)

Tag Number	Model	Function/Service	Elevation	Column
RRA-M-4	TBFC	Motor for RRA-FC-4	445	M/8.3
RRA-M-5	SBFC	Motor for RRA-FC-5	445	K7/3.7
RRA-M-6	TBFC	Motor for RRA-FC-6	445	H7/7.7
RRA-M-10	SBFC	Motor for RRA-FC-10	522	N3/3.8
RRA-M-11	SBFC	Motor for RRA-FC-11	522	H5/8
RRA-M-12	TBAN	Motor for RRA-FC-12	490	H6/7.8
RRA-M-13	TBAN	Motor for RRA-FC-13	585	M3/6.1
RRA-M-14	TBAN	Motor for RRA-FC-14	585	M7/8.0
RRA-M-15	TBAN	Motor for RRA-FC-15	548	M5/4.5
RRA-M-17	TBAN	Motor for RRA-FC-17	548	M5/4.7
RRA-M-19	SBFC	Motor for RRA-FC-19	445	L.0/8.3
RRA-M-20	TBFC	Motor for RRA-VC-20	445	M.0/8.3

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Building Return Air TAG NUMBER RRA-RMS- S1, S2, S3 -S4, S5, S6 MANUFACTURER General Electric MODEL NUMBER CR2940 COMPONENT Remote Manual Switch FUNCTION/SERVICE Local Control Switches LOCATION: BLDG R ELEVATION 444 COLUMN H.8/4.3 M4/4.7 K2/B.2 K7/3.8 L8/8.2 H.6/8.0	OPERATING TIME	6 months	Equivalent to 6 months at 150°F	3	4,5	Sequential Testing Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4,8	267	1	4	Sequential Testing	None
	PRESSURE (PSIA)	14.7 Accident Profile 8	N/R	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 max normal 90 max abnormal 100 max accident	95%	1	5	Sequential Testing	Note 1,2
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	4.0×10^6	1×10^6	2	4	Sequential Testing	Note 1,2
	AGING	40 years		1			
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/4/82 Reviewed by: [illegible] 9/4/82

DOCUMENTATION REFERENCES

1. FSAR Par. 3.11
2. EDS Report 0740-004-441C, 444G, 444F, 444J
3. WNP-2 Class 1E Equipment List dated 9/82
4. General Electric Qualification Report for CR2940YC212B2 Indicating Light, CR2940YA202B1 Pushbutton, and CR2940YB202B1 Selector Switch to IEEE Standard 323-1974, January 29, 1974
5. QID No. 285002

NOTES

1. These components are Use Code 2 and are, therefore, not required to perform an active safety function following an accident. However, failure modes must be evaluated to determine whether failure would be detrimental to plant safety. The evaluation is currently being performed.
2. EQUATE members are planning to test this component. This program will be joined if required.

WP-1081

WPPSS

QID#221001

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Circulation TAG NUMBER RRC-MO-16A, 16B	OPERATING TIME	6 months	Equivalent to>6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4	See enclosed profile	2	4	Simultaneous Test	None
MANUFACTURER Limitorque	PRESSURE (PSIA)	14.7	See enclosed profile	2	4	Simultaneous Test	None
MODEL NUMBER SMC-04 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident profile 4	100	2	4	Simultaneous Test	None
Motor Operator FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
2 HP m.o. for valves RRC-V-16A, 16B	RADIATION (RAD)	7.9×10^4	2×10^7	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4,5	Separate Effect Engineering Analysis	None
LOCATION: BLDG R ELEVATION 504 COLUMN J.3/7.4	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 7/2/82 Reviewed by: Raymond [illegible] 7/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-501K 4. Limitique Report, B0003, 5/76, B0058 5. QID#221001	Qualified

WP-1081

TEMPERATURE PROFILE

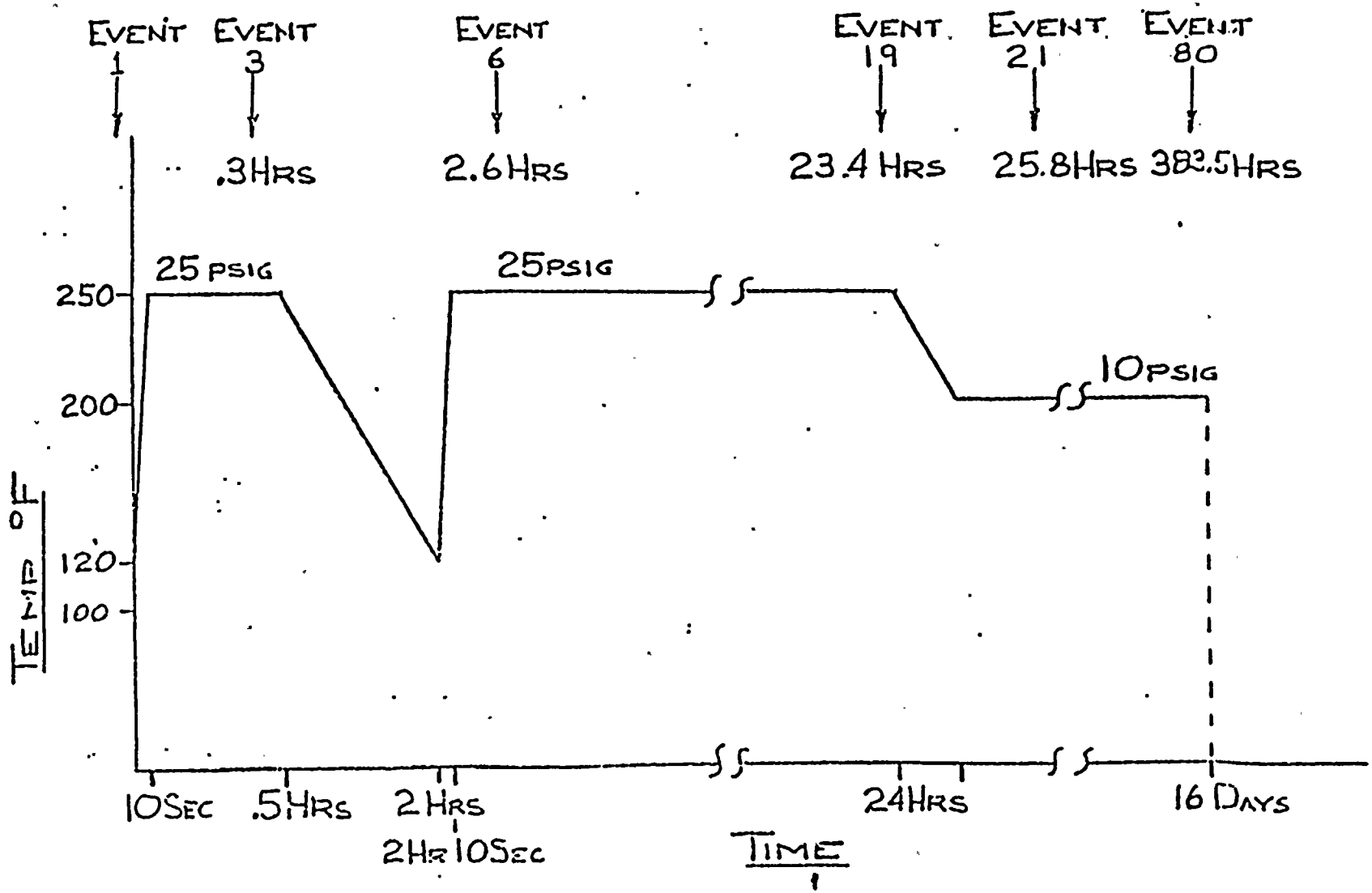


FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: 335-F023A, B
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Recirculation System TAG NUMBER RRC-MO-67B MANUFACTURER Limitorque MODEL NUMBER SMB-2-25 COMPONENT Motor Operator FUNCTION/SERVICE LOCATION: BLDG C ELEVATION 510 COLUMN 160 D AZ R17 102 D AZ R20 275 D AZ R20	OPERATING TIME	0.017 hr.	Note 1	1	1		None
	TEMPERATURE (F)	135 max. normal 150 max. abnormal accident--see profile 1		2			None
	PRESSURE (PSIA)	14.7 normal 16.7 max. abnormal accident--see profile 1		2			None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident Profile 2		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	7.0×10^7		2			None
	AGING	40 years		2			None
	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 4/1/82

Reviewed by: Raymond Chen 4/7/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Par. 3.11	1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundy under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function. Qualified.

WP-1081

WPPSS QID #256002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02B35
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Recirculation Cooling TAG NUMBER RRC-PS-18B MANUFACTURER Barksdale MODEL NUMBER B2T-M12SS COMPONENT Pressure Switch FUNCTION/SERVICE	OPERATING TIME	6 months	Equivalent to >6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4	212	2	5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	14.7	2	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal accident profile 4	100	2	5	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	7.1×10^4	2×10^6	3	4	Engineering Analysis	None
	AGING	40 years	16 years	2	4	Engineering Analysis	None Note 1
LOCATION: BLDG R ELEVATION 471 COLUMN M.6/8.1	ACCURACY		±1%	N/A	5	Simultaneous Test	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/14/82

Reviewed by: [illegible] 9/14/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-471D 4. QID #256002 5. Barksdale Environmental Test. Delaval Turbines Inc. Test Procedure 9993 Report dated August 13, 1975.	Qualified 1. A preventive maintenance/surveillance program is being developed to extend the qualified life.

WP-1081

WPPSS QID #361008

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Recirculation Cooling TAG NUMBER RRC-V-19,20	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	135 normal 150 abnormal Accident Profile 1		2			
MANUFACTURER Borg Warner	PRESSURE (PSIA)	14.7 normal 16.7 abnormal Accident profile 1		2			
MODEL NUMBER 81560	RELATIVE HUMITY (%)	55 normal 90 abnormal Accident Profile 2		2			
COMPONENT Solenoid Valve	CHEMICAL SPRAY	N/A		2			
FUNCTION/SERVICE	RADIATION (RAD)	7.0×10^7		3			
	AGING	40 years		2			
LOCATION: BLDG R, C ELEVATION 522, 501 COLUMN J/6.7 319°	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 4/1/82 Reviewed by: Raymond [illegible] 7/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-5220	1. A documents search is being performed to obtain qualification data. If data is not available, the component will be tested or replaced.

WP-1081

WPPSS QID #156003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02E31

MPL: E31-N036, G33-N037, E31-N041
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Water Cleanup TAG NUMBER RWCU-FT-36 RWCU-FT-37 RWCU-FT-41 MANUFACTURER G.E. MODEL NUMBER 555111BMAA4WDP COMPONENT Flow Transmitter FUNCTION/SERVICE	OPERATING TIME	6 months	Note 1	1	1		None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 23, 4		2			None
	PRESSURE (PSIA)	Accident Profile 23, 4		2			None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	5.8×10^5		3			None
	AGING	40 years		2			None
LOCATION: BLDG R ELEVATION 526, 471 COLUMN J/7.6 N8/5.0	ACCURACY	N/A					None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES x NO

Prepared by: Ali Nakini 8/28/82 Reviewed by: Raymond Ch... 8/28/82

DOCUMENTATION REFERENCES

1. WNP Class 1E Equipment List, dated September 1982
2. FSAR Pragraph 3.11
3. EDS Report 0740-004-522K and 471B

NOTES

1. These components are designated as use code 2, equipment classification G. Therefore, they have no active safety function. They are only required to maintain a pressure boundary under seismic conditions. No environmental failure mechanism will cause the component to not perform its safety function.

   Qualified.

WP-1081

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor water clean-up TAG NUMBER RHCU-MO-1 MANUFACTURER Limitorque MODEL NUMBER SMB-0-25/R56 COMPONENT Motor Operator - Reliance RH insulation FUNCTION/SERVICE Operates Containment Isolation valve LOCATION: BLDG C ELEVATION 540 COLUMN 150 Degrees	OPERATING TIME	24 hours	30 days	4	3	Simultaneous Test	None
	TEMPERATURE (F)	135 max. normal 150 max. abnormal accident: see profile 1	See enclosed profile	1	3	Simultaneous Test	None
	PRESSURE (PSIA)	14.7 normal 16.7 abnormal accident: see profile 1	See enclosed profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	55 normal 90 abnormal Accident Profile 2	100	1	3	Simultaneous Test	None
	CHEMICAL SPRAY	Demineralized water	Chemical spray pH 10	1	3	Simultaneous Test	None
	RADIATION (RAD)	7.7×10^7	2.04×10^8	1	3	Sequential Test	None
	AGING	40 years	40 years	1	2, 3, 5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [signature] 8/28/82

Reviewed by: [signature] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Limitorque Report B0058 3. Limitorque Report 600367A 4. WNP-2 Class 1E Equipment List, September, 1982 5. QID #221001	Qualified

WP-1681

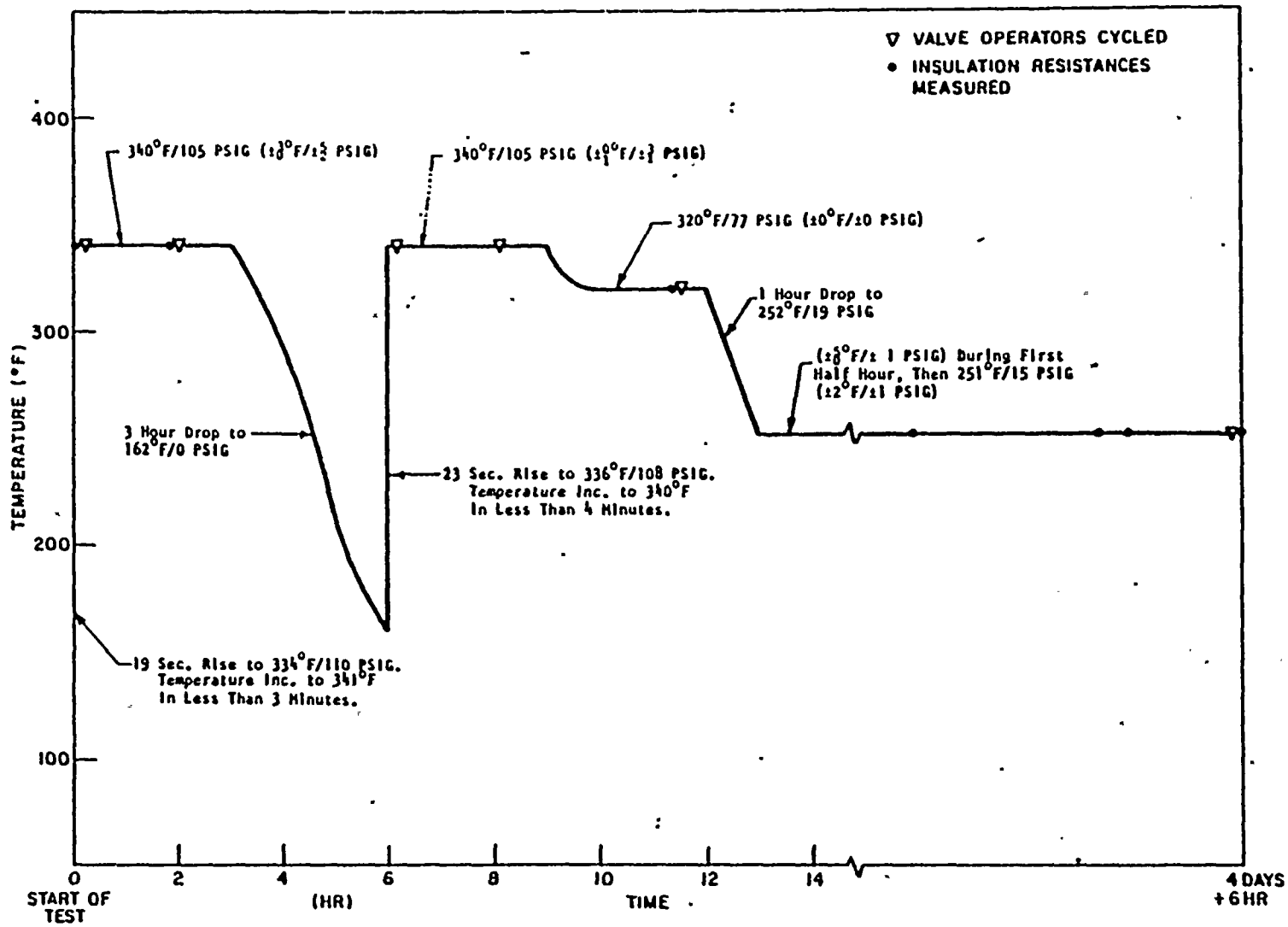


Figure 3. Actual Steam Exposure Profile

F-C3441

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

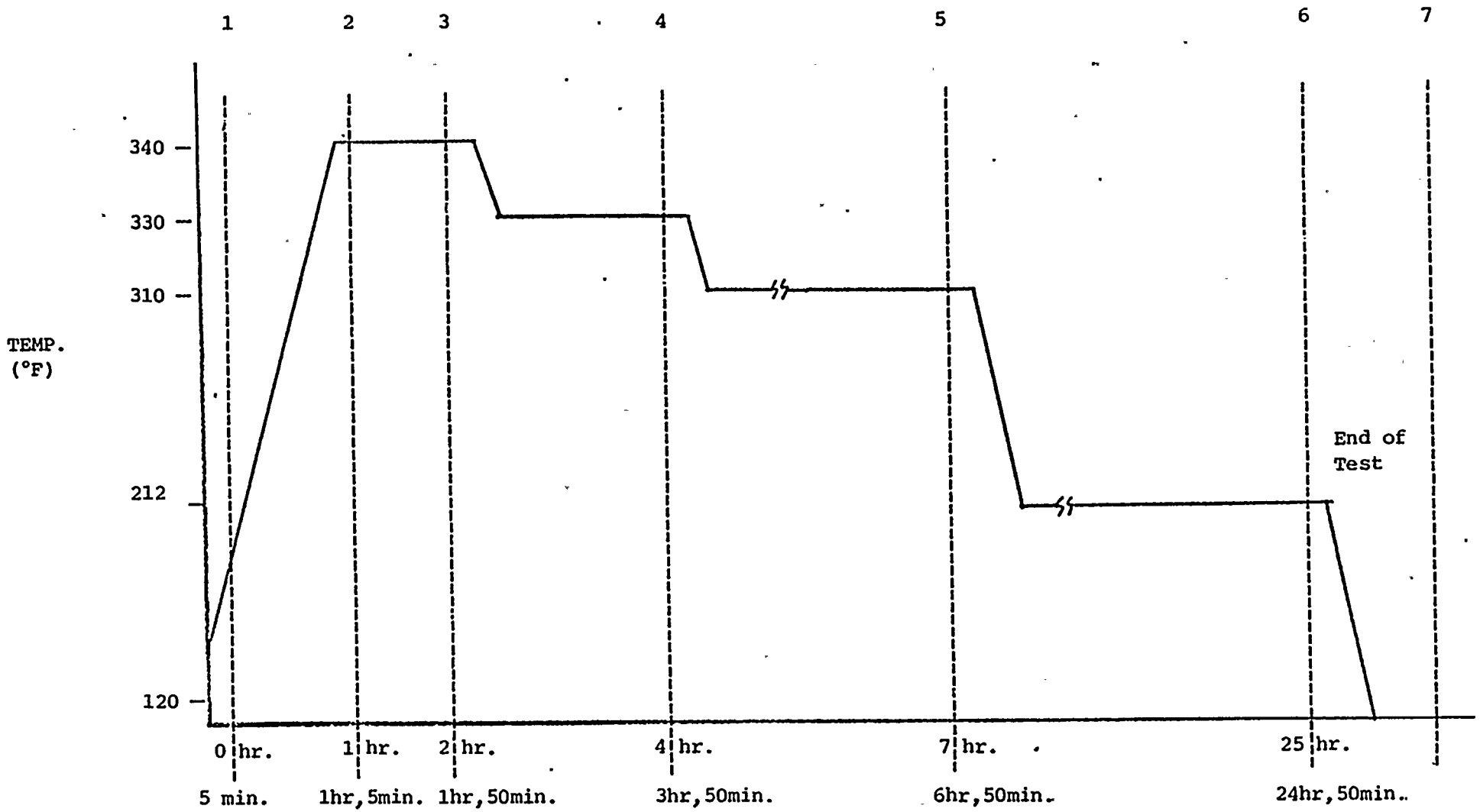
EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Water Clean Up TAG NUMBER RWCU-MO-4	OPERATING TIME	24 hours	Equivalent to > 6 months	5	3,4	Simultaneous Testing Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident: See profile 4,17, 20	See enclosed profile	1	3	Simultaneous Testing	None
MANUFACTURER Limitorque MODEL NUMBER SMB-0-25/DK56H	PRESSURE (PSIA)	Normal 14.7 Accident Profile 17,20	See Enclosed Profile	1	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	90 max normal 90 max abnormal 100 accident	100%	1	3	Simultaneous Testing	None
COMPONENT Valve Motor Operator FUNCTION/SERVICE Operate RWCU Valve 4	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	8.4×10^5	1×10^7	2	3	Sequential Testing	None
	AGING	40 years	40 years	1	3,4	Sequential Testing Engineering Analysis	None
LOCATION: BLDG R ELEVATION 540 COLUMN M.4/5.1	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chin 8/23/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 074-004-522F 3. Limitorque Report B0009, 4/30/76 4. Applicability calculations in QID #221001 5. WNP-2 Class 1E Equipment List, September, 1982	Qualified.

WP-1081


1
2
3
4
5
6
7
340
330
310
212
120
TEMP.
(°F)
End of
Test
0 hr.
1 hr.
2 hr.
4 hr.
7 hr.
25 hr.
5 min.
1hr,5min.
1hr,50min.
3hr,50min.
6hr,50min.
24hr,50min.

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Reactor Water Clean Up TAG NUMBER RWCU-MO- 40 MANUFACTURER Limitorque MODEL NUMBER SMB-0-25/R56 COMPONENT Motor Operator Reliance, RH Insulation FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 515 COLUMN J8/4.3	OPERATING TIME	24 hours	30 days	4	2,3	Sequential Test	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4,15	See enclosed profile	1	2,3	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 15	See enclosed profile	1	2,3	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 max normal 90 max abnormal 100 accident	100	1	2,3	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/R	1		N/A	None
	RADIATION (RAD)	2.6×10^6	2.04×10^8	5	2,3	Sequential Test	None
	AGING	40 years	40 years	1	2,3,6	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	1	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond [illegible] 8/28/82 Reviewed by: Mark Bar[illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Limitorque Report B0058 3. Limitorque Report 600376A 4. WNP-2 Class 1E Equipment List dated September, 1982 5. EDS Study 0740-004-510S 6. QID #221001	Qualified

WP-1081

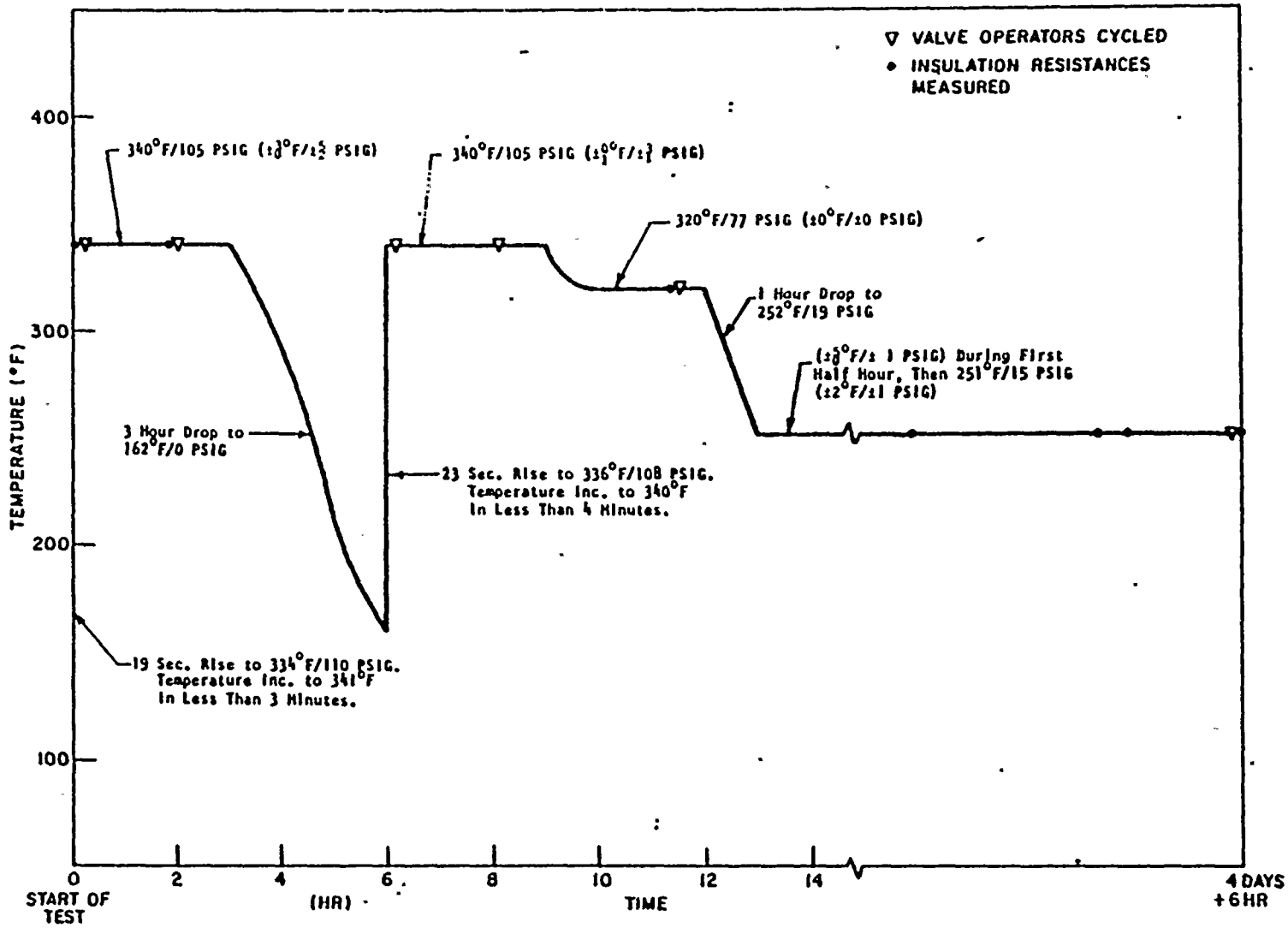


Figure 3. Actual Steam Exposure Profile

F-C3441

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Sampling TAG NUMBER S-SR-13, 14 MANUFACTURER MODEL NUMBER COMPONENT Sample rack FUNCTION/SERVICE Support sampling components H_2-O_2 Analyzer LOCATION: BLDG R ELEVATION 548 COLUMN M.6/4.6	OPERATING TIME	6 months	Note 1	1			None
	TEMPERATURE (F)	90 normal 104 max abnormal 106 accident		2			None
	PRESSURE (PSIA)	14.7		2			None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 90 accident		2			None
	CHEMICAL SPRAY	N/A		2			None
	RADIATION (RAD)	9.0×10^3		3			None
	AGING	40 years	Note 2	2			None
	ACCURACY	N/A		N/A			None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82

Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-548F	Qualified. 1. These components are located in isolated rooms serviced by Class 1 HVAC and the radiation is less than 10^4 radiation. Therefore, the room is a mild environment. 2. Aging of equipment in mild environments is adequately addressed by current maintenance/surveillance programs.

WP-1981

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Sampling TAG NUMBER S-SR-42, 43 MANUFACTURER MODEL NUMBER COMPONENT Sample Rack FUNCTION/SERVICE Sample Rack for SW-RE-4 (SSW) LOCATION: BLDG R ELEVATION 522 COLUMN K.6/9.5 H.1/9.5	OPERATING TIME	6 months	N/R	1	N/A	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	N/R	2	N/A	Note 1	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	N/R	2	N/A	Note 1	None
	CHEMICAL SPRAY	N/A	N/R	2	N/A	Note 1	None
	RADIATION (RAD)	8.3×10^5	N/R	3	N/A	Note 1	None
	AGING	40 years	N/R	2	N/A	Note 1	None
	ACCURACY	N/A	N/R		N/A	Note 1	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-522H, K	Qualified 1. The racks are metallic, and are not subject to environmental degradation.

WP-1081

WPPSS QID #109008

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-EHC-1A1, 1A2 -1B1, 1B2 MANUFACTURER Chromalox MODEL NUMBER 27-47499 COMPONENT Heater FUNCTION/SERVICE Limit Relative Humidity LOCATION: BLDG R ELEVATION 572 COLUMN H7/5.6, J.3/5.6	OPERATING TIME	6 months	Equivalent To >6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4	150	2	4,5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 80 max abnormal Accident Profile 4	100%	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	N/A
	RADIATION (RAD)	4.4×10^7	2×10^8	3	4	Sequential Test	None
	AGING	40 years	40 years	2	5	Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N 4. Westinghouse Test Report WCAP 7709-L, Supplements 1-7 5. QID File #109008	Qualified.

WP-1081

WPPSS QID #110004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-28

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-EHO-1A1 -1A2 -1B1 -1B2 MANUFACTURER ITT-General Controls MODEL NUMBER NH91 COMPONENT Electro-Hydraulic Operator FUNCTION/SERVICE Operate inlet vanes for SGT Fans LOCATION: BLDG R ELEVATION 572 COLUMN J4/7.8 H6/7.8	OPERATING TIME	6 months	Equivalent to >6 months	5	3,4	Simultaneous Test and Engineering Analysis	Note 1
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	150	1	3	Simultaneous Test	Note 1
	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident Profile 4	100	1	3	Simultaneous Test	Note 1
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	3.0×10^5	3.9×10^7	2	3	Sequential Test	Note 1
	AGING	40 years	10.6 years	1	3,4	Sequential Test Engineering Analysis	Note 1
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By Chan Seiler 9/4/82 Reviewed By: Raymond Chi 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study #0740-004-572N 3. MCC Powers #377-80.010 with Appendices A through D 4. Calculation QID 110001 5. WNP-2 Class 1E Equipment List, dated September 1982	1. The vendor is currently retesting these components. The test results will be evaluated when testing is completed to resolve discrepancies in the original test program.

WP-1981

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-FS-2A2 -2B1	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal 150 accident		2			
MANUFACTURER	PRESSURE (PSIA)	14.7		2			
MODEL NUMBER COMPONENT Flow Switch	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
FUNCTION/SERVICE SGT-FN-1A-1, 1B-2, discharge	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	4.4×10^7		3			
	AGING	40 years					
LOCATION: BLDG R ELEVATION 572 COLUMN H.9/7.8 J.2/8.0	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 11/8/82 Reviewed by: [illegible] 9/8/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-572N	1. These components are on order. The qualification documentation will be reveiwed when it is received.

WP-1081

WPPSS QID #156005

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-59

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-FT-1A1, 1A2, 1B1, 1B2	OPERATING TIME	6 months	Equivalent to > 6 months	4	2,6,8	Engineering Analysis Separate Effects	None Note 1
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident profile 4	300 max	1	2	Separate Effects	None
MANUFACTURER Rosemount	PRESSURE (PSIA)	14.7	N/R	1	N/A	N/A	None
MODEL NUMBER 1151DP3022MBGE01 COMPONENT	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident profile 4	100	1	7	Separate Effects	None
Flow Transmitter FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
Transmit Fan Flow Signal for Associated SGT Fans	RADIATION (RAD)	9.71×10^5	2×10^6	5	3	Separate Effects	None
	AGING	40 years	Note 2	1	N/A	N/A	None
LOCATION: BLDG R ELEVATION 585 COLUMN H8/7.1	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Aron Seiler 9/9/82 Reviewed by: [illegible] 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Rosemount Report 97251A dated 2/9/72 3. Rosemount Report 127227 dated 12/27/72 4. WNP-2 Class 1E Equipment List dated September 1982 5. EDS Study 0740-004-572N 6. Rosemount Product Data Sheet 2256 7. Rosemount Report 117415 dated 9/19/75 8. QID #156005	Qualified 1. Test data and product specs data ensure the component will operate 6 months at the required temperatures. 2. An evaluation is being performed to identify age susceptible parts and is scheduled for completion by October 15, 1982.

WP-1081

WPPSS QID #200015

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-68

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-LMS-2A, B MANUFACTURER Namco MODEL NUMBER 74080100 COMPONENT Limit Switches FUNCTION/SERVICE V-2A,B Position Indicator LOCATION: BLDG R ELEVATION 572 COLUMN J.3/5.5, J.4/5.2	OPERATING TIME	6 months	Equivalent to or > 6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal 150 max accident	340	2	4,5	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/A	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 100 max accident	100	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	N/A
	RADIATION (RAD)	1.9×10^8	2×10^8	3	4	Sequential Test	None
	AGING	40 years	40 years	2	4,5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N 4. Qualification of NAMCO Controls Limit Switch Model EA-740 to IEEE Stds. 344 (1975), 323 (1974) and 382 (1972), Rev. 1, dtd 2/22/79; Rev. 0, dtd 2/20/78 5. QID #200015	Qualified.

WP-1081

WPPSS QID #213017

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-28

MPL:
PPD:

REVISION:
DATE:

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-M-1A1, 2 -1B1, 2 MANUFACTURER Westinghouse MODEL NUMBER TBDP COMPONENT Fan Motor FUNCTION/SERVICE Motor for SGT-FN-1A2 -1B1 -1B1 -1B2 LOCATION: BLDG R ELEVATION 576 COLUMN H 7/7.6 H 9/7.6 J2/7.6 J7/7.7	OPERATING TIME	6 months	Equivalent to >6 months	1	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident profile 4	150	2	4	Simultaneous Test Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal Accident profile 4	100	2	4	Simultaneous Test Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	N/A
	RADIATION (RAD)	3.03×10^5	9.4×10^6	3	5	Engineering Analysis	None
	AGING	40 years	40 years	2	5	Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	N/A

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Nader 9/4/82 Reviewed by: Raymond Ch: 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N 4. W Report MN-9112, Class 1E medium A.C. masters dated Nov. 18, 1980, Rev. 4 5. QID #213017	Qualified.

WP-1051

WPPSS QID #217001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-MC-6A, B; -7A, B ME-6A, B; -7A, B	OPERATING TIME	6 months	Equivalent to >6 months	1	4,5	Simultaneous Test and Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	120° C.	2	4	Simultaneous Test	None
MANUFACTURER Hygrometrix	PRESSURE (PSIA)	14.7	N/A	2	N/A	N/A	None
MODEL NUMBER XMA/C-103 COMPONENT Xeristat Moisture Control System	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident profile 4	70%	2	4	Simultaneous Test	None
FUNCTION/SERVICE Heater control to limit relative hum.	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	4.4×10^7	5.0×10^7	3	4	Sequential Test	None
	AGING	40 years	Note 1	2			
LOCATION: BLDG R ELEVATION 572' COLUMN H.7-J.3/5.5, N.7/5.5	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/4/82

Reviewed by: [illegible] 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N 4. Work Release Order No. 002, Contract No. C-0608, from WPPSS to ANCO Engineers, Document No. A-000021 5. QID File #217001	Qualified 1. An evaluation is bein performed to identify age susceptible parts and is scheduled for completion by October 15, 1982.

WP-1081

WPPSS

QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-68

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-MO-See Note Below MANUFACTURER Limitorque MODEL NUMBER SMB-00-10/P56 COMPONENT Motor Operator FUNCTION/SERVICE Various Valve Operators Reliance, Class B Insulation LOCATION: BLDG R ELEVATION 572 COLUMN See Notes Below	OPERATING TIME	6 months	Equivalent to>6 months	1	3,5	Sequential Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	See enclosed profile	2	3	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	See enclosed profile	2	3	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	100	2	3	Simultaneous	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.1×10^6	2×10^7	6	3	Sequential Test	None
	AGING	40 years	40 years	2	3,5	Sequential Test	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Ox 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List dated September, 1982
2. FSAR Par. 3.11
3. Limitorque Test Report B003
4. Limitorque Test Report B0058
5. QID #221001
6. EDS Report 0740-004-572N

NOTES

Qualified

Tag Number	Location	Tag Number	Location	Tab Number	Location
SGT-MO-1A	H.8/5.2	SGT-MO-4A1	H.4/7.0	SGT-MO-5A1	H.4/7.0
-1B	J.4/5.2	-4A2	J.1/7.0	-5A2	H.9/7.0
-3A1	H.4/7.6	-4B1	H.8/7.0	-5B1	J.1/7.0
-3A2	H.6/7.6	-4B2	J.8/7.0	-5B2	J.6/7.0
-3B1	J.4/7.6				
-3B2	J.6/7.6				

WP-1081

TEMPERATURE PROFILE

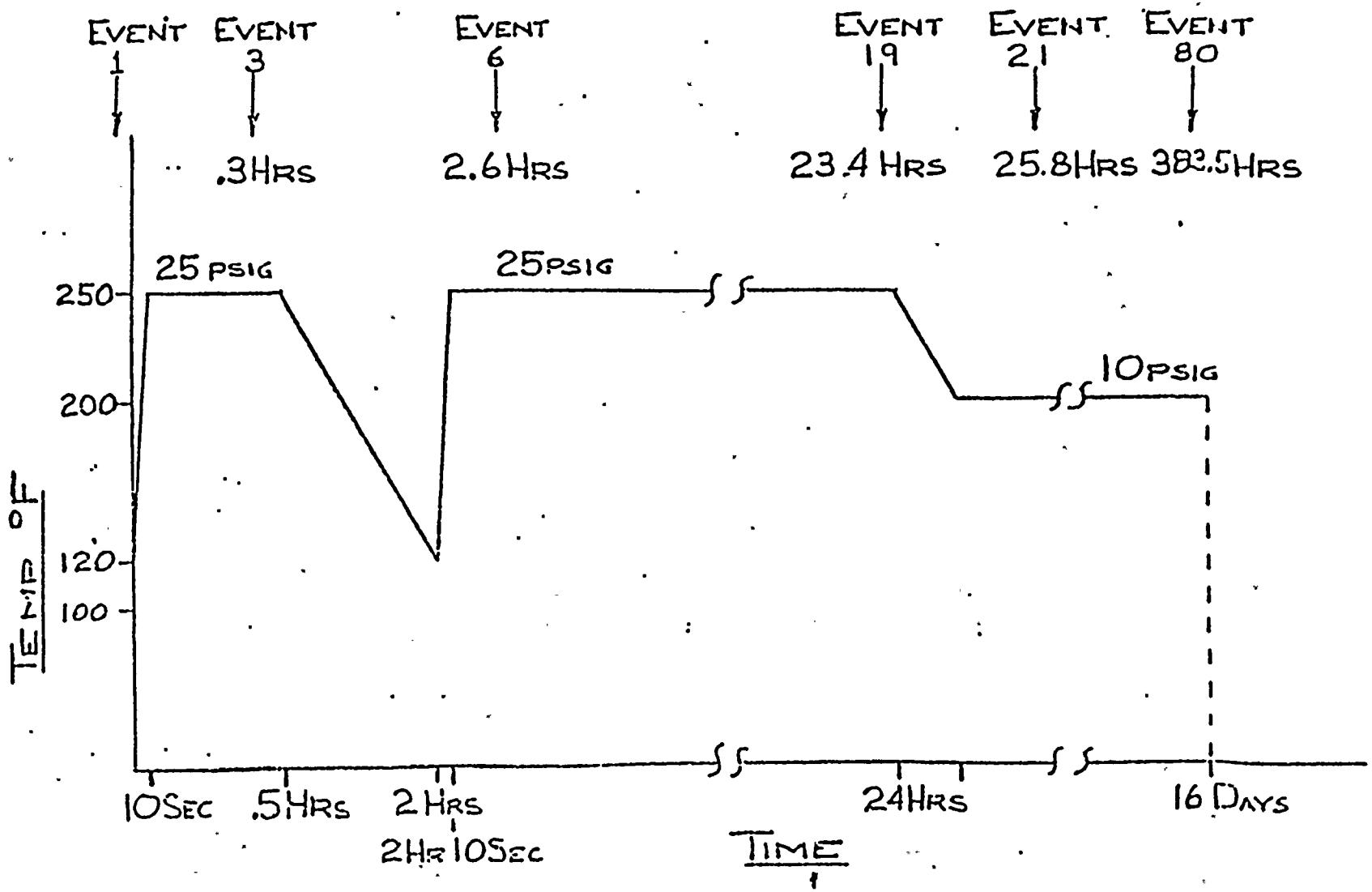


FIGURE 1

WPPSS QID #252004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-PP-EHC/1A1 -EHC/1A2 -EHC/1B1 -EHC/1B2 MANUFACTURER Farr Co. MODEL NUMBER COMPONENT Power Panel FUNCTION/SERVICE Heater Control Box LOCATION: BLDG R ELEVATION 572 COLUMN M.0/6.0 M.0/8.3 M.0/5.5	OPERATING TIME	6 months	N/R	3	N/A	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	N/R	1	N/A	Note 1	None
	PRESSURE (PSIA)	14.7	N/R	1	N/A	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	N/R	1	N/A	Note 1	None
	CHEMICAL SPRAY	N/A	N/R	1	N/A	Note 1	None
	RADIATION (RAD)	5.7×10^4	N/R	2	N/A	Note 1	None
	AGING	40 years	N/R	1	N/A	Note 1	None
	ACCURACY	N/A	N/R		N/A	Note 1	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond Chin 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-572D, H 3. WNP-2 Class 1E Equipment List dated September 1982	Qualified 1. The component is metallic and not subject to environmental degradation.

WP-1001

WPPSS QID #256008

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment System TAG NUMBER SGT-PS-EH1A11, EH1A21, EH1B11, EH1B21 MANUFACTURER Beckman Instruments, Inc. MODEL NUMBER A900-20C0EAA-20 COMPONENT Pressure Switch FUNCTION/SERVICE Controls for SGT-EHC-1A1, 1A2, 1B1, 1B2 LOCATION: BLDG R ELEVATION 572 COLUMN H.6/5.9 J.5/16.0 J.2/6.0	OPERATING TIME	6 months	Note 1	1	4		
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	4.4×10^7		3			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 11/1/82

Reviewed by: Reviewed [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class IE Equipment List, dated 9/82 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N 4. Work Release Order No. 002, Contract No. C-0608, from WPPSS to ANCO Engineers.	1. Requalification methods are currently being investigated.

WP-1061

WPPSS QID #283044

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-RLY-EH1A15, 16, 17, 21, 22, 23, 24, 25, 26, 27; SGT-RLY-EH1B11, 12, 13, 14, 15, 16, 17, 21, 22, 23, 24 25, 26 MANUFACTURER Allen Bradley Company MODEL NUMBER 700N400A1, 700N600A1, 7004N800A1 COMPONENT Relay FUNCTION/SERVICE Control of heater SGT-EHC-1A1, 1A2, 1B1, 1B2 LOCATION: BLDG R ELEVATION 572 COLUMN M.0/6.0 M.0/8.2 M.0/5.8 M.0/8.0	OPERATING TIME	6 months	Equivalent to > 6 months	1	4, 5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4	250	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/A	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal Accident Profile 4	70%	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	5.7×10^4	5.0×10^7	3	4	Sequential Test	None
	AGING	40 years	Note 1	2			None
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 1/15/82 Reviewed by: Raymond [illegible] 1/5/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N 4. Work Release Order No. 002, Contract No. C-0608, from WPPSS to ANCO Engineers, Document No. A-000021 5. QID file #283044	Qualified 1. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-RMS-(Note 4) MANUFACTURER MODEL NUMBER COMPONENT Remote manual switch FUNCTION/SERVICE Test switches for SGT-EHC LOCATION: BLDG R ELEVATION 572 COLUMN M.1/5.8 M.7/6.0 M.0/6.0 M.1/6.0 M.0/8.3	OPERATING TIME	6 months	N/A	1	N/A	Note 1	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal 106 max. accident	N/A	2	N/A	Note 1	None
	PRESSURE (PSIA)	14.7	N/A	2	N/A	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 90 accident	N/A	2	N/A	Note 1	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	9.1×10^3	N/A	3	N/A	Note 2	None
	AGING	40 years	Note 3	2	N/A	Note 3	None
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By: [illegible] 9/4/82

Reviewed By: Raymond Chin 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572D, H	Qualified 1. These components are located in isolated rooms serviced by Class 1 HVAC System, and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment. 2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads.

WP-1001

DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	3. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures. 4. SGT-RMS-EH1A1T1 -EH1B1T1 -EH1A1T2 -EH1B1T2 -EH1A1T3 -EH1B1T3 -EH1A2T1 -EH1B2T1 -EH1A2T2 -EH1B2T2 -EH1A2T3 -EH1B2T3

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID315006

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

PAGE NO: 335
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-SPV-2A, 2B MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER 8210 D2M0 COMPONENT Solenoid Pilot Valve FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 578 COLUMN 116/3.6	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 max normal 104 max abnormal Profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 max normal 90 abnormal Profile 4		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	6.8×10^4		2			
	AGING	40 years		2			
	ACCURACY	N/A		N/A			

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. L. Robinson

Reviewed by: J. S. Sullivan

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List dated 9/1/82 2. FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0 3. EDS Study 0740-004-572N1	1. These valves are being replaced with Model NP8316 PED 220-I-0172 (B&R).

WP-1081

WPPSS QID315007

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-SPV-F1, F2, F3, F4, F5, F6 MANUFACTURER Automatic Switch (ASCO) MODEL NUMBER 8211 D2H0 COMPONENT Solenoid Pilot Valve FUNCTION/SERVICE ½" S. O. Deluge Valve Assy SGT-DV-1B LOCATION: BLDG R ELEVATION 578 COLUMN H6/3.6	OPERATING TIME	6 months	>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Profile 4	Envelopes Profile 4 with >8C margin	2	4	Simultaneous Test Engineering Analysis	None
	PRESSURE (PSIA)	14.7	N/R	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 max. normal 90 max. normal Profile 4	(<90%)	2	6	Engineering Analysis	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	6.8×10^4	4.4×10^6	3	5	Engineering Analysis	None
	AGING	40 years	7 years	2	4	Operating Experience Maintenance	None Note 1
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: M. L. Robinson

Reviewed by: J. L. Sullivan

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List dated 9/1/82 2. FSAR Para 3.11 and WPPSS Calculation NE-02-82-14-0 3. EDS Study 0740-004-572N1 4. Calculation QID315004-1 5. Calculation QID315004-2 6. Calculation QID315004-3	1. The solenoid valves will be rebuilt on a schedule based on the 7-year qualified life and coils will be changed to HT prior to plant operation.

WP-1061

WPPSS QID#339001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-TE-6A1, 6B1 7A1, 7B1 8A1, 8B1 MANUFACTURER Fenwal MODEL NUMBER 21110-0 COMPONENT Temperature Element FUNCTION/SERVICE Temperature Controllers LOCATION: BLDG R ELEVATION 572' COLUMN H8/5.5, J5/6	OPERATING TIME	6 months	Note 1	1	4		
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident profile 4		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	4.4×10^7		3			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] Reviewed by: [illegible] 2/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September, 1982 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N 4. Work Release Order No. 002, Contract No. C-0608, from WPPSS to ANCO Engineers, Document No. A-000021	1. Environmental qualification testing has been performed. Applicability of the test data to the installed equipment is being evaluated.

WP-1081

WPPSS QID #355006

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-TS-6A1 6B1 7A1 7B1 8A1 8B1 MANUFACTURER Kidde, Walter & Company MODEL NUMBER CSD-3 (A) COMPONENT Temperature Switch FUNCTION/SERVICE Carbon bed air high temperature alarm for associated SGT carbon filters LOCATION: BLDG R ELEVATION 572' COLUMN H8/5.5 J4/5.5 H8/6.8	OPERATING TIME	6 months	Note 1	1	4		
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 max. normal 90 max. abnormal Accident Profile 4		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	4.4×10^7		3			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible]

Reviewed by: Ann Sailer 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N 4. Work Release Order No. 002, Contract No. C-0608, from WPPSS to ANCO Engineers	1. Replacement options are being explored with the vendor.

WP-1081

WPPSS QID #355003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-TS-(see note 1) MANUFACTURER Fenwal MODEL NUMBER 18000-0 COMPONENT Temperature switch FUNCTION/SERVICE Control of heater LOCATION: BLDG R ELEVATION 572' COLUMN H4/5.9 H.8/6 J.5/6 J.2/6	OPERATING TIME	6 months	Equivalent to>6 months	1	4	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4	248	2	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/A	2	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident Profile 4	65	2	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	4.4×10^7	2×10^8	3	4	Simultaneous Test	None
	AGING	40 years	40 years	2	4	Sequential Test Engineering Analysis	None
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/1/82 Reviewed by: Raymond [illegible] 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Par. 3.11 3. EDS Report 0740-004-572N 4. Work Release Order No. 002, Contract No. C-0608, from WPPSS to ANCO Engineers, Document No. A-000021	Qualified

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	1. TAG NUMBERS SGT-TS-EH1A10 -EH1A11 -EH1A111 -EH1A112 -EH1A113 -EH1A114 -EH1A115 -EH1A116 -EH1A117 -EH1A118 -EH1A12 -EH1A13 -EH1A14 -EH1A15 -EH1A16 -EH1A17 -EH1A18 -EH1A19 -EH1A21 -EH1A210 -EH1A211 -EH1A212 -EH1A213 -EH1A214 -EH1A215 -EH1A216 -EH1A217 -EH1A218 -EH1A22 -EH1A23 -EH1A24 -EH1A25 -EH1A26 -EH1A27 -EH1A28 -EH1A29 -EH1B10 -EH1B11 -EH1B111 -EH1B112 SGT-TS-EH1B113 -EH1B114 -EH1B115 -EH1B116 -EH1B117 -EH1B118 -EH1B12 -EH1B13 -EH1B14 -EH1B15 -EH1B16 -EH1B17 -EH1B18 -EH1B19 -EH1B21 -EH1B210 -EH1B211 -EH1B212 -EH1B213 -EH1B214 -EH1B215 -EH1B217 -EH1B218 -EH1B22 -EH1B23 -EH1B24 -EH1B25 -EH1B26 -EH1B27 -EH1B28 -EH1B29

WPPSS QID #383002, 4

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-18

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Gas Treatment TAG NUMBER SGT-XE-(Note 4) MANUFACTURER Hygrometrix MODEL NUMBER XMA-103 COMPONENT Moisture element FUNCTION/SERVICE Humidity control LOCATION: BLDG R ELEVATION 572 COLUMN M.0/5.5 M.0/6.0	OPERATING TIME	6 months	N/A	1	N/A	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal 106 max. accident	N/A	2	N/A	Note 1	None
	PRESSURE (PSIA)	14.7	N/A	2	N/A	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 90 accident	N/A	2	N/A	Note 1	None
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	9.1×10^3	N/A	3	N/A		None Note 2
	AGING	40 years	Note 3	2		Note 3	None
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By: [illegible] 9/4/82

Reviewed By: Raymond Chi 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-572 D, H	Qualified 1. These components are located in isolated rooms serviced by Class 1 HVAC Systems and the total radiation dose is less than 10^4 rads. Therefore, the area is a mild environment. 2. A location specific evaluation has been performed to show the radiation level to be less than 10^4 rads. 3. Aging and equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	4. SGT-XE-1RH/1A1 1RHS/1A1 1RH/1A2 1RHS/1A2 1RH/1B1 1RHS/1B1 1RH/1B2 1RHS/1B2 2RH/1A1 2RHS/1A1 2RH/1A2 2RHS/1A2 2RH/1B1 2RHS/1B1 2RH/1B2 2RHS/1B2 3RH/1A1 3RHS/1A1 3RH/1A2 3RHS/1A2 3RH/1B1 3RHS/1B1 3RH/1B2 3RHS/1B2

WPPSS QID #109010

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02C41

MPL: C41-D002,3
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Liquid Control TAG NUMBER SLC-EHC 2, 3 MANUFACTURER General Electric MODEL NUMBER 2D433G3 2D507G140 COMPONENT Electric Heating Coil FUNCTION/SERVICE Heaters for SLC-TK-2 LOCATION: BLDG R ELEVATION 548 COLUMN M.5/3.8	OPERATING TIME	24 hours	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal 150 accident		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	1.1×10^4		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Aeon Geiler 9/1/82 Reviewed by: Ali Nadeem 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004-548C	1. The qualification status of these components has not yet been determined. Requalification activities will be implemented if required.

WP-1001

WPPSS QID #209008

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Liquid Control TAG NUMBER SLC-LT-1 MANUFACTURER G. E. MODEL NUMBER 555 COMPONENT Level Transmitter FUNCTION/SERVICE SLC-TK-1 Level LOCATION: BLDG R ELEVATION 548 COLUMN M.8/3.7	OPERATING TIME	24 hours	Note 1				
	TEMPERATURE (F)						
	PRESSURE (PSIA)						
	RELATIVE HUMITY (%)						
	CHEMICAL SPRAY						
	RADIATION (RAD)						
	AGING						
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Reviewed By: Ann Seiler 9/9/82

Prepared By: Raymond Chi 9/9/82

DOCUMENTATION REFERENCES	NOTES
	1. The evaluation documented in the Justification for Interim Operation identifies these components as not being safety related. They will be removed from the Class 1E list.

WP-1081

WPPSS QID #213030

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Liquid Control TAG NUMBER SLC-M-1A, B	OPERATING TIME	24 hours		3			Note 1
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident profile 4	150	1			Note 1
MANUFACTURER G.E.	PRESSURE (PSIA)	14.7	R/R	1	N/A	N/A	None
MODEL NUMBER 5K324AK2120/324T COMPONENT	RELATIVE HUMITY (%)	40 normal 90 max. abnormal Accident profile 4	100	1			None
Electric Motor FUNCTION/SERVICE	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
Drive SLC Pumps	RADIATION (RAD)	1.1×10^4		2			Note 1
	AGING	40 years	Note 2	N/A			
LOCATION: BLDG R ELEVATION 548 COLUMN M2/3.7,M2/3.8	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Aron Scilca 9/1/82 Reviewed by: A.C. Nader 9/1/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Report 0740-0040548C 3. WNP-2 Class 1E Equipment List, dated September 1982	1. Similar motors have been tested to more severe conditions. A detailed comparison is being made to confirm applicability of the test date. 2. An evaluation is being performed to identify age susceptible parts and is scheduled for completion December 1, 1982.

WP-1081

WPPSS QID #259001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: C41-N004
PPD:

REVISION:2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Liquid Control TAG NUMBER SLC-PT-4 MANUFACTURER GE MODEL NUMBER 556110EAAA1WEN COMPONENT Pressure Transmitter FUNCTION/SERVICE SCC Pump Discharge Pressure Transmitter LOCATION: BLDG R ELEVATION 553 COLUMN N.0/3.5	OPERATING TIME	24 hours	Note 1	1	4		
	TEMPERATURE (F)	90 normal 104 abnormal 150 accident		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	1.1×10^4		3			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES x NO

Prepared by: Ali Naderi 8/28/82 Reviewed by: Raymond A. 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 CIE Equipment List, dated September 1982. 2. FSAR Par. 3.11 3. EDS Report 0740-004-548C 4. WPPSS Letter GE-02-JLS-81-022	1. This component will be replaced with Rosemount 1153, Series D, qualified to IEEE 323-1974 and 344-1975.

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WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID285002

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL:
PPD:

PAGE NO: 347
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Liquid Control TAG NUMBER SLC-RHS-S2 MANUFACTURER General Electric MODEL NUMBER CR2940 COMPONENT Remote Manual Switch FUNCTION/SERVICE Local SLC Heater Switch LOCATION: BLDG R ELEVATION 548 COLUMN H.8/3.7	OPERATING TIME	24 hours	N/R	3	5	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal	N/R	1	5	Note 1	None
	PRESSURE (PSIA)	14.7	N/R	1	4	Note 1	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal	N/R	1	4	Note 1	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	Note 1	None
	RADIATION (RAD)	8.8×10^2	N/R	2	5	Note 1	None
	AGING	40 years	40 years	1	4	Note 2	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [illegible] 9/5/82 Reviewed by: [illegible] 9/5/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, 9/82
2. FSAR Par. 3.11
3. EDS Study 0740-004-
4. EDI-4.8, Paragraph 5.1, I
5. General Electric Qualification Report for, CR2940YC212B2 Indicating Light; CR294-YA202B1, Pushbutton; and CR2940YB202B1, Selector Switch to IEEE Standard 323-1974, January 29, 1979.
6. QID No. 285002

NOTES

Qualified

1. This component is only required for operation under normal environmental conditions and is, therefore, considered a mild environment component. Specific qualification of components in mild environments is not required at this time. However, the component has been tested to the following conditions and satisfactorily maintained its operability (Ref. 5):

   - Radiation exposure to 1×10^7 Rad

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	1. (Cont'd) - Thermal Aging for 14 days at 267°F. - 95% Humidity Exposure - Qualified to operating time of >6 months at 150°F (Ref. 6). 2. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

WPPSS QID #361003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02 C41

MPL: C41-F004
PPD: 21A9370

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Liquid Control TAG NUMBER SLC-V-4A -4B MANUFACTURER Conax MODEL NUMBER 1832159 COMPONENT Valve and Trigger Assembly FUNCTION/SERVICE SLC Inlet Valve LOCATION: BLDG R ELEVATION 548 COLUMN M.2/3.7	OPERATING TIME	6 months	Equivalent to > 7 months	4	2,5	Simultaneous Testing Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4,32	185 maximum	1	2	Simultaneous Testing	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 32	Accidental Profile 32	1	N/A	Engineering Analysis	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 100 max accident	100%	1	2	Simultaneous Testing	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	1.1×10^4	2.2×10^4		2	Sequential Testing	None
	AGING	40 years	Note 1	1	3		
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES x NO

Prepared by: Ali Nadeem 8/28/82 Reviewed by: Raymond R. Fisher

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. Conax TR-39, 12/22/76 3. EDS Study 0740-004-548C 4. WNP-2 Class 1E Equipment List, dated September 1982 5. Calculations in QID No. 361003	Qualified. 1. An evaluation is being performed to identify age susceptable parts and is scheduled for completion by October 15, 1982.

WP-1081

WPPSS QID #339002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-218

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Suppression Pool Temperature Monitoring TAG NUMBER SPTM-TE-(Note 2)	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	135 normal 150 abnormal Accident - profile 1		2			
MANUFACTURER Hy-Cal Engineering	PRESSURE (PSIA)	14.7 normal 16.7 abnormal Accident - profile 1		2			
MODEL NUMBER TC-113X-T-A-24-3 COMPONENT Thermocouple	RELATIVE HUMITY (%)	55 normal 90 abnormal Accident - profile 2		2			
FUNCTION/SERVICE Suppression Pool Temp., Operator info.	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	7.0×10^7		2			
	AGING	N/A		2			
LOCATION: BLDG C ELEVATION 446 COLUMN Suppression Pool	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Ali Naderi 9/4/82

Reviewed by: Raymond Chu 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, 9/82 2. FSAR Par. 3.11	1. The qualification status of these components has not yet been determined. Requalification activities will be implemented if required.

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DOCUMENTATION REFERENCES (Cont'd)	NOTES (Cont'd)
	2. TAG NUMBERS SPTM-TE-1A -1B -10 -11 -12 -13 -14 -15 -16 -2A -2B -3A -3B -4A -4B -5A -5B -6A -6B -7A -7B -8A -8B -9

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02C51
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Source Range Monitor TAG NUMBER SRM-CONN-01 02 03 04	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	135 normal 150 abnormal Accident profile 1		2			
MANUFACTURER	PRESSURE (PSIA)	14.7 normal 16.7 abnormal Accident profile 1		2			
MODEL NUMBER COMPONENT Connector	RELATIVE HUMITY (%)	55 normal 90 abnormal Accident profile 2		2			
FUNCTION/SERVICE	CHEMICAL SPRAY	Demineralized water		2			
Connectors for SRM-DET	RADIATION (RAD)	7.0×10^7		2			
	AGING						
LOCATION: BLDG C ELEVATION Beneath RPV COLUMN	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By: [illegible] 9/9/82

Reviewed By: Raymond Chu 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, Dated 9/82 2. FSAR Paragraph 3.11	1. Qualification options are being explored with General Electric.

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WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Source Range Monitor TAG NUMBER SRM-DET-1A, B, C, D MANUFACTURER General Electric MODEL NUMBER 807E162TC COMPONENT Radiation Monitor FUNCTION/SERVICE LOCATION: BLDG C ELEVATION COLUMN In RPV	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	135 max. normal 150 abnormal Accident - see profile 1		2			
	PRESSURE (PSIA)	14.7 Normal 16.7 Abnormal Accident - see profile 1		2			
	RELATIVE HUMITY (%)	40-50 normal 90 abnormal Accident Profile 2		2			
	CHEMICAL SPRAY	Demineralized water		2			
	RADIATION (RAD)	7.0×10^7		2			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/3/82

Reviewed by: Raymond [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 Class 1E Equipment List, 9/82	1. Discussions are being held with General Electric to obtain qualification data. Requalification activities will be implemented, if required.

WP-1081

WPPSS QID #106002

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02C51
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Source Range Monitor TAG NUMBER SRM-EAMP-1A,B,C,D MANUFACTURER G.E. MODEL NUMBER 112C22766001 COMPONENT Voltage Amplifier FUNCTION/SERVICE Amps for SRM-DET LOCATION: BLDG R ELEVATION 501 COLUMN L.6/3.5 L.5/3.5 H.4/7.7 H.8/8.3	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal accident profile 4, 10		2			
	PRESSURE (PSIA)	14.7 normal accident profile 10		2			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	6.4×10^5		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared By: Chan Seiler 9/9/82

Reviewed By: Raymond Chin 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated 9/82 2. FSAR Paragraph 3.11 3. EDS Report 0740-004-501K, B	1. Qualification options are being explored with General Electric.

WP-1081

WPPSS QID156003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC:

MPL:
PPD:

PAGE NO: 355
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Service Water System TAG NUMBER SH-FT-7A MANUFACTURER Rosemount MODEL NUMBER 1151 COMPONENT Flow Transmitter FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 501 COLUMN J.6/3.6	OPERATING TIME	6 months	Equivalent to > 6 months	1	4,5,8	Engineering Analysis Separate Effects	None Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4,10	300 max.	2	5	Separate Effects	None
	PRESSURE (PSIA)	14.7 normal Accident profile 10	10 psig	2	5	Seperate Effects	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident	100	2	7	Seperate Effects	None
	CHEMICAL SPRAY	N/A	N/R	2	N/A	N/A	None
	RADIATION (RAD)	2.4×10^4	2×10^6	3	6	Separate Effects	None
	AGING	40 years	Note 2	2			None
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [illegible] 9/5/82 Reviewed by: [illegible] 9/5/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List dated September, 1982
2. FSAR Par. 3.11
3. EDS Study 0740-004-522
4. Rosemount Product Data Sheet 2256
5. Rosemount Report 97215A dated 2/9/72
6. Rosemount Report 127227 dated 12/17/72
7. Rosemount Report 117415 dated 9/19/75
8. OID #156005

NOTES

Qualified

1. Test data and equipment product specification ensure the component will operate the required time at the required temperatures.
2. An evaluation is being performed to identify age susceptable parts and is schedules for completion by October 15, 1982.

WPS-1981

WPPSS QID #156003

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: E12-N007
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Service Water System TAG NUMBER SW-FT-7B MANUFACTURER General Electric MODEL NUMBER 50-555111BMAA4WCF COMPONENT Flow Transmitter FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 501 COLUMN H.8/7.3	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal 150 accident		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	7.8×10^4		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 8/13/82 Reviewed by: Raymond [illegible] 8/13/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, dated September 1982 2. FSAR Par. 3.11 3. EDS Study 0740-004-501K	1. This component is scheduled to be replaced with a transmitter qualified to IEEE 323-74 and 344-75.

WP-1081

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-41A

MPL:
PPD:

REVISION: 2
DATE: Seotember 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Service Water TAG NUMBER SW-MO-187A SW-MO-187B SW-MO-188A SW-MO-188B MANUFACTURER MODEL NUMBER COMPONENT FUNCTION/SERVICE LOCATION: BLDG R548 ELEVATION COLUMN	OPERATING TIME	6 months	Note 1	1	1		
	TEMPERATURE (F)	90 normal 104 abnormal Accident profile 4,30,32		2			
	PRESSURE (PSIA)	Normal 14.7 Accident profile 30,32		2			
	RELATIVE HUMITY (%)	40 normal 90 normal 100 accident		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	
	RADIATION (RAD)	1.5×10^5		3			
	AGING	40 years		2			
	ACCURACY	N/A					

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] 9/4/82

Reviewed by: [illegible] 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP Class 1E Equipment List, dated September 1982 2. FSAR Paragraph 3.11 3. EDS Study 0740-004-548L	1. Qualification documentation is being obtained for these components.

WP-1081

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215
MPL:
PPD:

REVISION: 2
DATE: September, 1982

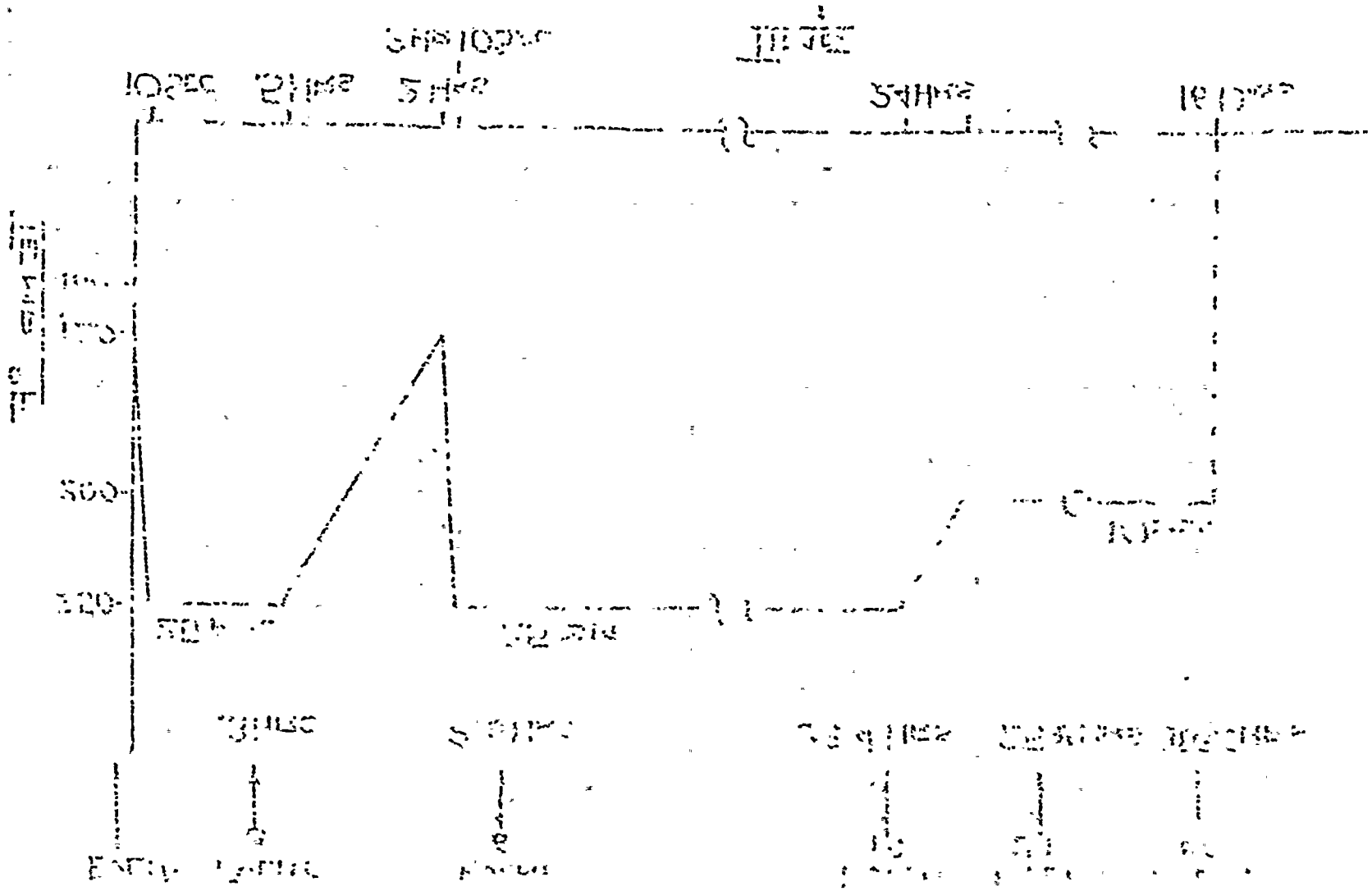
EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Service Water TAG NUMBER SW-MO-24A -24B -24C -44 -54 MANUFACTURER Limitorque MODEL NUMBER SMC-04-5/42 COMPONENT Motor Operator FUNCTION/SERVICE Operate SW Valves LOCATION: BLDG R ELEVATION 441,448,450,455 COLUMN H7/4.4, K6/8, K9/3.9, L8/8.3, K.6/3.8	OPERATING TIME	6 months	Equivalent to > 6 months	3	4,5	Simultaneous Test Engineering Analysis	None
	TEMPERATURE (F)	90 max normal 104 max abnormal Accident Profile 4,8	See enclosed profile	1	4	Simultaneous Test	None
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 8	See enclosed profile	1	4	Simultaneous Test	None
	RELATIVE HUMITY (%)	40 normal 90 max abnormal 100 max accident	Steam for 24 hours 100% for 15 days	1	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	3.1×10^6	2×10^7	2	4	Sequential Test	None
	AGING	40 year	40 years +	1	4,5	Sequential Test Engineering Analysis	None
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Gh 8/28/82 Reviewed by: Mark Baker 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-441 (worst case) 3. WNP-2 CIE Equipment List, dated, September 1982 4. Limitorque Reports B0003, 5/76; B0058, 1/11/80 5. QID #221001	Qualified.

WP-1001



TEMPERATURE PROFILE

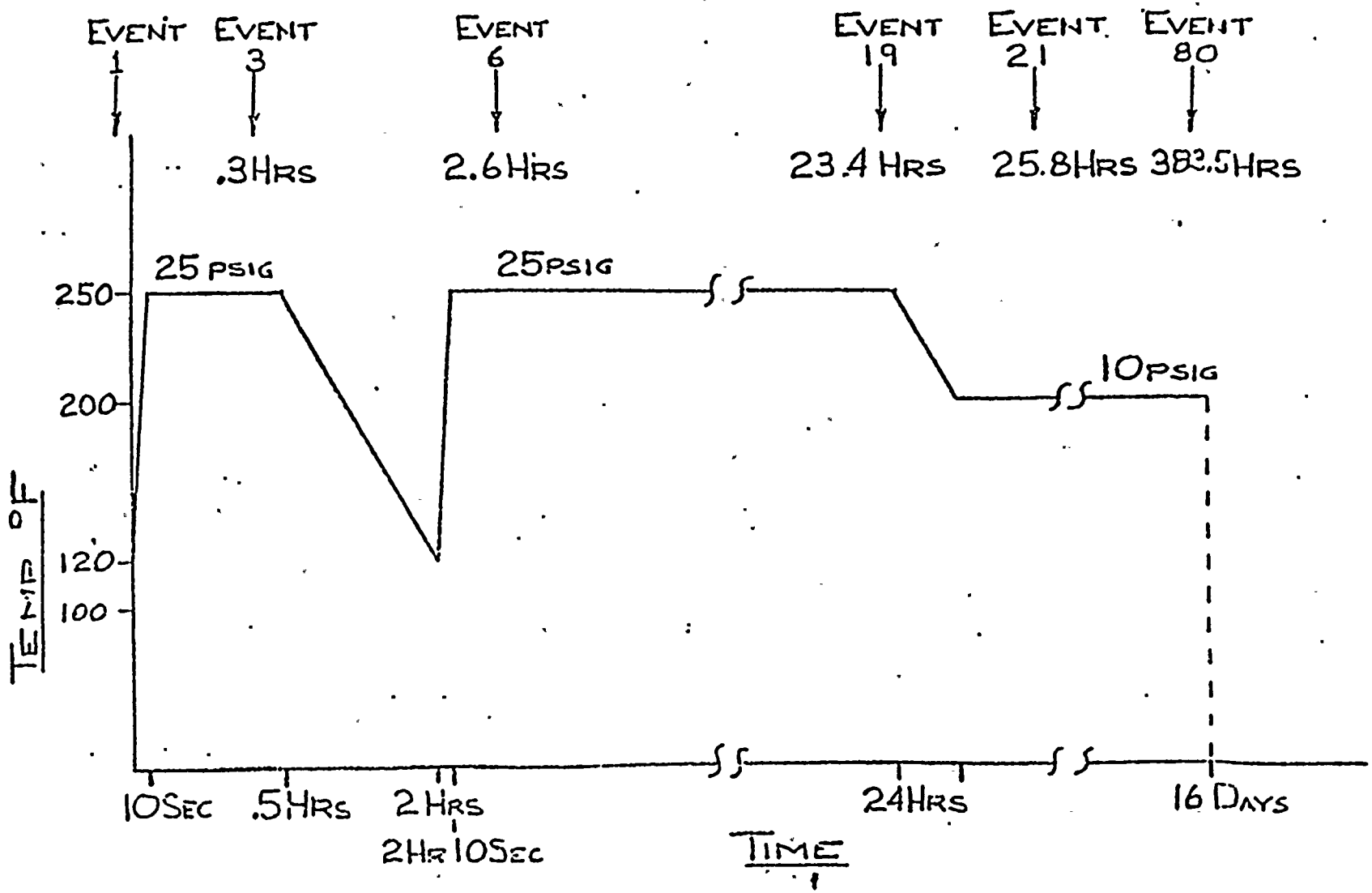


FIGURE 1

WPPSS QID #221001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-215
MPL:
PPD:
REVISION: 2
DATE: September, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Standby Service Water TAG NUMBER SW-MO-75A -75B MANUFACTURER Limitorque MODEL NUMBER COMPONENT Motor Operator FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 522 COLUMN J/9.4, H6/9.4	OPERATING TIME	6 months		3			Note 1
	TEMPERATURE (F)	90 normal 104 abnormal Accident Profile 4,11		1			
	PRESSURE (PSIA)	Normal 14.7 Accident Profile 11		1			
	RELATIVE HUMITY (%)	40-70 normal 90 abnormal 100 accident		1			
	CHEMICAL SPRAY	N/A		1			
	RADIATION (RAD)	8.33×10^5		2			
	AGING	40 years		1			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 8/28/82 Reviewed by: [illegible] 8/28/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. EDS Study 0740-004-522H 3. WNP-2 Class 1E Equipment List dated September, 1982 4. QID #221001	1. These are being purchased on Contract 2808-215, by WBG, qualified to NUREG 0588, Category I.

WP-1001

WPPSS QID #256001

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

REVISION:
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Service Water TAG NUMBER SW-PS-1014 -1015 MANUFACTURER Asco MODEL NUMBER SC11AR/GT10A44R COMPONENT Switch FUNCTION/SERVICE Supply to H_2 - O_2 analyzer LOCATION: BLDG R ELEVATION 548 COLUMN M.7/5	OPERATING TIME	4320 hours	63 days	2	4	Sequential Test	None
	TEMPERATURE (F)	90 normal 104 abnormal 106 accident	175	1	4	Simultaneous Test	None
	PRESSURE (PSIA)	14.7	N/A	1	N/A	N/A	None
	RELATIVE HUMITY (%)	40 normal 90 abnormal 90 accident	95	1	4	Simultaneous Test	None
	CHEMICAL SPRAY	N/A	N/A	1	N/A	N/A	None
	RADIATION (RAD)	9×10^3	5×10^7	3	4	Sequential Test	None
	AGING	40 years			4	Sequential Test	None Note 1
	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible]

Reviewed by: [illegible] 7/7/82

DOCUMENTATION REFERENCES	NOTES
1. FSAR Par. 3.11 2. WNP-2 Class 1E Equipment List, dated September 1982 3. EDS Study 0740-004-548E 4. Asco Valve Report 169A, QID 256001	1. Aging of this component located in mild environment is adequately addressed in the current Maintenance/Surveillance Program.

WP-1081

WPPSS QID #277004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02D17

MPL: D17-N004,5
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Service Water TAG NUMBER SW-RE-4, 5 MANUFACTURER General Electric MODEL NUMBER 117B1681G001 COMPONENT Radiation Monitor FUNCTION/SERVICE Service water discharge from RHR-HX-1B, 1A LOCATION: BLDG R ELEVATION 522 COLUMN K.6/9.5 N.1/9.5	OPERATING TIME	6 months	Note 1	1			
	TEMPERATURE (F)	90 normal 104 abnormal 150 accident		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal 100 accident		2			
	CHEMICAL SPRAY	N/A		2			
	RADIATION (RAD)	8.3×10^5		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: [illegible] Reviewed by: [illegible] 9/3/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004-522K, H	1. Discussions are being held with General Electric to obtain qualification data. Requalification activities will be implemented, if required.

WP-1981

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MOBILE/MOVEABLE [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CONTROLLED [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FUNCTIONPRESVIC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SE-V-11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Prepared by [illegible] Reviewed by [illegible]

INSTALLATION REFERENCES

1. Sub-2 Class II, Equipment Elec. Rated Systems 1982.
2. [illegible] Paragraph 3.11
3. EDS Report 0740-001-5229
4. EDI-4.8, Paragraph 5.1.1

NOTES

1. Power transformers are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^5 rad. Therefore, the area is a mild environment.
2. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

Qualified.

WPPSS QID #283041

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-

MPL:
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM: Service Water TAG NUMBER: SW-RLY-CRV44	OPERATING TIME	6 months max	N/R	1	4	Note 1	None
	TEMPERATURE (F)	90 normal 104 abnormal 106 accident	N/R	2	4	Note 1	None
MANUFACTURER: Struthers Dunn, Inc.	PRESSURE (PSIA)	14.7	N/R	2	4	Note 1	None
MODEL NUMBER: 219BBXP COMPONENT: Relay	RELATIVE HUMITY (%)	40 normal 90 abnormal	N/R	2	4	Note 1	None
FUNCTION/SERVICE: SW-V-44	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	6.73×10^3	N/R	3	4	Note 1	None
	AGING	40 years	Note 2	2	4	Note 2	None
LOCATION: BLDG R ELEVATION 522 COLUMN H.4/8.1	ACCURACY	N/A	N/A	N/A	N/A	N/A	None

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Raymond Chi 9/1/82 Reviewed by: [illegible] 9/1/82

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, dated September 1982
2. FSAR Paragraph 3.11
3. EDS Report 0740-004-522N
4. EDI-4.8, Paragraph 5.1, I

NOTES

1. These components are located in isolated rooms serviced by Class 1 HVAC systems and the total radiation dose is less than 10^4 rad. Therefore, the area is a mild environment.
2. Aging of equipment in mild environments is adequately addressed by current maintenance and surveillance procedures.

Qualified.

WP-1001

System 2	TEMPERATURE (F)					
MANUFACTURER General Electric MODEL NUMBER [illegible] COMPONENT Radiation Transmitter FUNCTION/SERVICE	PRESSURE (PSIA)					
	RELATIVE HUMIDITY (%)					
	CHEMICAL SPRAY					
	RADIATION (RADS)					
	AGING					
LOCATION: [illegible] ELEVATION [illegible]	ACCURACY					
FLOOD LEVEL ELEV. ABOVE FLOOD LEVEL YES X NO	Prepared by: [illegible]		Reviewed by: [illegible]			

DOCUMENTATION REFERENCES

1. WNP-2 Class IE Equipment List, 9-82
2. FSAR Fig. 3.11
3. EQS Study 0740-001-5408 (worst case)

NOTES

1. The evaluation documented in the Justification for Interim Operation has determined that these components are not required. They will be removed from the list

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-02

MPL: D17-K001, 2
PPD:

REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Service Water TAG NUMBER SW-RT-1, 2	OPERATING TIME	6 months	Note 1				
	TEMPERATURE (F)						
MANUFACTURER General Electric	PRESSURE (PSIA)						
MODEL NUMBER 112C2276G001 COMPONENT	RELATIVE HUMITY (%)						
Radiation Transmitter FUNCTION/SERVICE	CHEMICAL SPRAY						
	RADIATION (RAD)						
	AGING						
LOCATION: BLDG R ELEVATION 522 COLUMN	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES X NO

Prepared by: Aron Seiben 9/4/82 Reviewed by: Al Nordeen 9/4/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-2 Class 1E Equipment List, 9/82 2. FSAR Par. 3.11 3. EDS Study 0740-004-548B (worst case)	1. The evaluation documented in the Justification for Interim Operation has determined that these components are not required. They will be removed from the list.

WP-1081

[illegible]		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	TEMPERATURE (°F)	90 Normal 104 Abnormal	104	2	4	Analysis	
MAKE: [illegible] Barrett	PRESSURE (psig)	14.7	N/A	2			
MODEL NUMBER HV2208S 1X	RELATIVE HUMIDITY (%)	40 Normal 90 Abnormal	100	2	4	Analysis	
COMPONENT Solenoid Valve	CHEMICAL SPRAY	N/A	N/A				
FUNCTIONSERVICE							
	RADIATION (RAD)	5.0×10^3	1×10^4	2	4	Analysis	
	AGING	40 Years	2.5 Years	2	4	Analysis	
LOCATION: Bldg R ELEVATION 588 COLUMN R 7/8 R 7/4.5	ACCURACY						
FLOOD LEVEL ELEV: ABOVE FLOOD LEVEL? YES NO	Reviewed by:		Reviewed by:				

DOCUMENTATION REFERENCES

1. NUREG 0588 Class 1E Equipment Lists
2. FSAR Paragraph 3.11
3. EQS Study 0240 004 Sub [illegible]
4. Wyle Laboratories Report 26360-03

NOTES

1. The qualified life of these valves will be changed pending the outcome of a qualification program currently being negotiated with manufacturer.

Qualified.

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID324004

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

PAGE NO: 365
REVISION: 2
DATE: August, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Service Water	OPERATING TIME	4320 hours	4320 hours at 104F	1	4	Analysis	Note 1
TAG NUMBER SW- V-201, 206, 211, 213	TEMPERATURE (F)	90 Normal 104 Abnormal	104	2	4	Analysis	
MANUFACTURER Marotta	PRESSURE (PSIA)	14.7	N/A	2			
MODEL NUMBER HV229HS-L2	RELATIVE HUMITY (%)	40 Normal 90 Abnormal	100	2	4	Analysis	
COMPONENT Solenoid Valve	CHEMICAL SPRAY	N/A	N/A				
FUNCTION/SERVICE	RADIATION (RAD)	9.0×10^3	1×10^4	2	4	Analysis	
	AGING	40 years	2.5 years	2	4	Analysis	
LOCATION: BLDG R ELEVATION 548 COLUMN H.7/5 H.7/4.5	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: [signature] Reviewed by: [signature]

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List
2. FSAR Paragraph 3.11
3. EDS Study 0740-004-548 E, F
4. Wyle Laboratories Report 26367-03

NOTES

1. The qualified life of these valves will be changed pending the outcome of a qualification program currently being negotiated with manufacturer.

   Qualified.

WP-1061

WPPSS

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

QID324004

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 2808-220

MPL:
PPD:

PAGE NO: 366
REVISION: 2
DATE: August, 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Service Water TAG NUMBER SW- V-204, 209, 210, 212 MANUFACTURER Marotta MODEL NUMBER MV229MQ-L2 COMPONENT Solenoid Valve FUNCTION/SERVICE LOCATION: BLDG R ELEVATION 548 COLUMN H.7/5, H.7/4.5	OPERATING TIME	4320 hours	242 hours	1		Analysis	Note 1
	TEMPERATURE (F)	90 normal 104 abnormal	104	2	4	Analysis	
	PRESSURE (PSIA)	14.7	N/A	2			
	RELATIVE HUMITY (%)	40 normal 90 abnormal	100	2		Analysis	
	CHEMICAL SPRAY	N/A	N/A	2			
	RADIATION (RAD)	9.0×10^3	1×10^4	3	4	Analysis	
	AGING	40 years	3 years	2	4	Analysis	
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES NO

Prepared by: Cecil Beaver Reviewed by: JF Hillman

DOCUMENTATION REFERENCES

1. WNP-2 Class 1E Equipment List, 12/16/81
2. FSAR Para 3.11
3. EDS Study 0740-004-548E, F
4. Wyle Laboratories Report 26367-03

NOTES

1. The qualification status of these valves will be changed as a result of the outcome of a Qualification Program currently being neggtiated with manufacturer.

WPPSS QID #361004

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

EQUIPMENT QUALIFICATION REPORT

OWNER: WPPSS
FACILITY: WNP-2
SPEC: 208-02C51
MPL:
PPD:
REVISION: 2
DATE: September 1982

EQUIPMENT DESCRIPTION	ENVIRONMENT			DOCUMENT REF.		QUALIFICATION METHOD	OUTSTANDING ITEMS
	PARAMETER	FSAR	QUALIFICATION	FSAR	QUAL.		
SYSTEM Transversing Incore Probe TAG NUMBER TIP-V-1,2,3,4,5 MANUFACTURER G.E. MODEL NUMBER P136B13026002 COMPONENT Valve FUNCTION/SERVICE Explosive valve for isolation shear valve LOCATION: BLDG R ELEVATION 501 COLUMN J.0/4.5	OPERATING TIME	6 months		1			
	TEMPERATURE (F)	90 max. normal 104 max. abnormal Accident Profile 4		2			
	PRESSURE (PSIA)	14.7		2			
	RELATIVE HUMITY (%)	40 normal 90 max. abnormal accident profile 4		2			
	CHEMICAL SPRAY	N/A	N/A	2	N/A	N/A	None
	RADIATION (RAD)	1.1×10^6		3			
	AGING	40 years		2			
	ACCURACY						

FLOOD LEVEL ELEV:
ABOVE FLOOD LEVEL?
YES x NO

Prepared By: Alan Siebert 9/9/82

Reviewed By: Raymond Chi 9/9/82

DOCUMENTATION REFERENCES	NOTES
1. WNP-Z Class 1E Equipment Listed, dated 9/82 2. FASR Paragraph 3.11 3. EDS Report 0740-004-501P	1. Qualification options are being explored with General Electric.

WP-1881