

SNUPPS

Standardized Nuclear Unit
Power Plant System

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Nicholas A. Petrick
Executive Director

February 4, 1982

SLNRC 82-06 FILE: 0541
SUBJ: NRC Request for Information-
Seismic Qualification of
Equipment



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

Docket Nos: STN 50-482 and STN 50-483

References: 1. NRC (Tedesco) letter to UE (Bryan), dated September
11, 1981, same subject
2. NRC (Tedesco) letter to KGE (Koester), dated September
11, 1981, same subject

Dear Mr. Denton:

The referenced letters requested additional information concerning the seismic and dynamic qualification of equipment for the SNUPPS plants. The requested information is, in part, attached to this letter.

Brief answers to the NRC questions are attached and will be included in Revision 8 to the SNUPPS FSAR. The first part of the NRC request was for an equipment and data listing and a complete set of floor response spectra. The equipment and data listing is attached to this letter. The floor response spectra, because of the paper bulk (about six inches thick) will be hand-delivered to the NRC Staff. The second part of the NRC request, more detailed information on certain pieces of equipment, can only be made after the NRC identifies the particular equipment selected.

Very truly yours,

Nicholas A. Petrick

RLS/jdk

Enclosures: A. Responses to NRC Questions
B. Seismic and Dynamic Qualification Status Sheets

cc: G. L. Koester KGE
D. T. McPhee KCPL
D. F. Schnell UE
T. E. Vandel NRC/WC
J. H. Neisler NRC/CAL

Handwritten note: A049 5/11

271.1

In accordance with the requirements of GDC 2 and 4 all safety-related equipment is required to be designed to withstand the effects of earthquakes and dynamic loads from normal operation, maintenance, testing and postulated accident conditions. GDC 2 further requires that such equipment be designed to withstand appropriate combinations of the effects of normal and accident conditions with the effects of earthquake loads.

The criteria to be used by the staff to determine the acceptability of your equipment qualification program for seismic and dynamic loads are IEEE Std. 344-1975 as supplemented by Regulatory Guides 1.100 and 1.92, and Standard Review Plan Sections 3.9.2, 3.9.3 and 3.10. State the extent to which the equipment in your plant meets these requirements and the above requirements to combine seismic and dynamic loads. For equipment that does not meet these requirements justification will be needed for the use of other criteria.

RESPONSE

All safety related equipment is designed to withstand the effects of earthquake and dynamic loads. The extent to which the SNUPPS equipment meets the questioned documents is provided in the FSAR Sections referenced below.

IEEE Std. 344-1975 - 3.10(B), 3.10(N)

Regulatory Guide 1.100 - 3.10(B), Appendix 3A

Regulatory Guide 1.92 - Appendix 3a, 3.7(B), 3.7(N)

Standard Review Plan (SRP) 3.9.2 - 3.9.2(B), 3.9.2(N)

SRP 3.9.3 - 3.9.3(B), 3.9.3(N)

SRP 3.10 - 3.10(B), 3.10(N)

In addition, the extent to which SNUPPS equipment meets the recommendations of Regulatory Guide 1.29, "Seismic Design Classification" is provided in FSAR Section 3.2 and Appendix 3A.

271.2 and To confirm the extent to which the equipment important to safety meets
271.3 the requirements of General Design Criterion 2 and 4, the Seismic Qualification Review Team (SQRT) will conduct a plant site review. For selected equipment, SQRT will review the combined required response spectra (RRS) or the combined dynamic response, examine the equipment configuration and mounting, and then determine whether the test or analysis which has been conducted demonstrates compliance with the RRS if the equipment was qualified by test, or the acceptable analytical criteria if qualified by analysis.

~~271.3C~~ In order to select equipment types for a detailed review it is necessary to obtain a list of all equipment important to safety. Equipment should be divided first by system then by component type. Attachment #1 shows a tabular format which should be followed to present the status summary of seismic and dynamic qualification of all equipment important to safety. Attachment #2 shows suggested categories of component type to be listed in Attachment #1. Provide a complete set of floor response spectra identifying their applicability to the equipment listed in Attachment #1.

After the information on Attachment #1 is received, a selection will be made of the equipment to be reviewed by the site audit. Specific information on equipment selected for audit should be presented as shown on Attachment #3 which should be provided to the NRC staff two weeks prior to the plant site visit. The applicant should make available at the plant site for SQRT review all the pertinent documents and reports of the qualification for the selected equipment. After the visit, the applicant should be prepared to submit certain selected documents and reports for further staff review.

The purpose of the site audit is to confirm the acceptability of the seismic and dynamic qualification of all equipment important to safety based on the review of a few selected pieces. If a number of deficiencies are observed or significant generic concerns arise, the deficiencies should be removed for all equipment important to safety subject to confirmation by a follow-up audit of randomly selected items before the fuel loading date.

RESPONSE

A list of all equipment important to safety was provided to the NRC by letter from Nicholas A. Petrick to Harold R. Denton dated February 4, 1982.

SEISMIC AND DYNAMIC QUALIFICATION
STATUS SHEETS

NOTES TO SEISMIC AND DYNAMIC
QUALIFICATION STATUS SHEET

- A. Function: HSD - used for hot shutdown
CSD - used for cold shutdown
LOCA - used to mitigate Loss of Coolant Accident
MSLB - used to mitigate Main Steam Line Break Analysis
- B. Elevation: 1. The various components listed are mounted on the skid-mounted diesel generator between the two following elevations:
Elevation of the base of machine: 2000'0"
Elevation of the top of machine: 2014'0"
- C. Codes and Standards: 1. IEEE 344-1975
2. Regulatory Guide 1.29
3. Other applicable seismic standards
4. Westinghouse supporting documentation contains appropriate margins for the dynamic seismic design calculation.
- D. Status: C - Complete
CN - Qualified but not onsite
CE - Qualified with exception
NC - Not complete
- E. Load Input: 1. ZPA value is worst case ZPA taken from TRS.
2. Line mounted component qualified to random input motion requirements with maximum input equal to 4.5g.
3. Value given is from RRS, equipment is qualified at least to this value.
4. Test result not presently available.
5. See Colt's Seismic Analysis Report on the Diesel Generator Book 1 (10466-M018-0316-02).
6. In the analyses of piping systems, valves and other in-line components are considered as concentrated masses and rules of Subarticle 3600 are satisfied. Under earthquake loading, the piping system, not the valves nor other in-line components will be limiting and the integrity of the component pressure retaining body is therefore adequately considered under the piping requirements (Subarticle 3600).
7. All Westinghouse valves are designed, built and tested to the ASME Code.
X = Dynamic loads other than seismic considered.
- F. Natural Frequency: 1. Rigid $> 33\text{Hz}$
2. Flexible $\leq 33\text{Hz}$
3. One natural frequency $< 33\text{Hz}$
4. WCAP-7709L, and WCAP-9346
5. Resonant search was based on 6V and 6H accelerometers
6. Vertical excitation showed resonant frequency $> 33\text{Hz}$
Horizontal excitation (F-B and S - S) showed resonant frequency $\leq 33\text{Hz}$.
7. Item qualified as assembled & it, no resonant effects $\leq 33\text{Hz}$.
8. See Colt's Seismic Analysis Report on the Diesel Generator Book 1 (10466-M018-0316-02).

G. Floor Response
Spectra ID No.:

1. Required input motion curve transmitted to vendor reflecting 4.5g(0 - 33Hz) and 2.0g(>33Hz).
2. A seismic load factor (SLF) of 4.5g has been applied in horizontal and vertical directions. Both acting simultaneously.
3. Deleted.
4. Westinghouse valves are rigidly designed for a 4,4,4 static load.
5. In the analyses of piping systems, valves and other in-line components are considered as concentrated masses and rules of Subarticle 3600 are satisfied. Under earthquake loading, the piping system, not the valves nor other in-line components will be limiting and the integrity of the component pressure retaining body is therefore adequately considered under the piping requirements (Subarticle 3600).
6. Qualification level envelopes the actual response spectra.

H. Identity:

1. All Westinghouse valves are designed and built to ASME Code. Operators (motor, limit switch, solenoid) for active valves are qualified in accordance with IEEE 344-1975. The specific qualification plan for the valve operators for active valves are as follows:

Motor operators -	HE-1, HE-4
Limit switches -	HE-3
Solenoids -	HE-2, HE-5

I. Qualification
Method: Stat,
Dyn, Test, Comp.

1. See Colt's Seismic Analysis Report on the Diesel Generator Book 1 (10466-M018-0316-02).

J. Vendor:

1. Colt-Fairbank Morse
2. Goulds
3. Crane-Chempump
4. I-R
5. Carrier
6. Buffalo Forge Co.
7. American Air Filter/Joy Manufacturing
8. Mine Safety Appliances Co.
9. Bahnson
10. American Warming & Ventilating, Inc.
11. Terry Corp.
12. Westinghouse
13. Anchor Darling
14. FMC Corp. (Reliance Electric)
15. R. P. Adams (Limitorque)
16. Marley (Allis-Chalmers)
17. Fisher Controls Co.
18. Jamesbury Corp.
19. Anchor Darling Valve Co.
20. Fisher Controls Co.
21. Velan Engineering Ltd.
22. Yarway Corp.
23. General Electric
24. Southern Transformer Co.
25. Bunker Ramo Corp. (Anphenol)

26. General Electric
27. Solid State Controls
28. Beta Products
29. Deleted
30. Consolidated Controls Corp.
31. General Electric
32. Gould (ITE)
33. General Electric
34. ITE/Gould
35. Power Conversion Products, Inc.
36. Comsip Customline
37. Comsip Customline Corp.
38. Consolidated Controls Corp.
39. Sigma Instruments, Inc.
40. Foxboro
41. Foxboro
42. Foxboro
43. Comsip Customline Corp.
44. Harlo Corporation
45. Cutler Hammer, Electro-Switch, Sigma, Foxboro,
Beta, General Electric, Eberline
46. Cutler Hammer, Electro-Switched, General Electric,
Sigma, Foxboro
47. Rosemount
48. Comsip Delphi Inc.
49. General Atomic
50. Eberline
51. MDA Scientific Inc.
52. Transamerica Delaval Inc. (GEMS Level Sensors Div.)
53. Transamerica Delaval Inc. (GEMS Level Sensors Div.)
54. Thermo Electric
55. Masoneilan International, Inc.
56. Limitorque, Masoneilan International, Inc.
57. Valcor Engineering Corp.
58. Fisher Controls Co.
59. General Electric
60. Consolidated Controls Corp.
61. Crosby
62. Borg-Warner NVD
63. Walworth
64. Hills-McCanna
65. Dresser
66. Struthers Wells
67. RECO
68. Atwood & Morrill
69. Penberthy
70. Joy
71. Y-Strainers-NUC.
72. Viking
73. For this equipment Westinghouse is the primary
equipment contact.

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
STN 50-483

PAGE 1 OF 223

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MAIN STEAM (AB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1)	(1)	(1)	NATL TEST COMP FREQ (F)	
X	X	X	X	EBB01A STEAM GENERATOR A LOOP 1	X		73	2000	N/A	208833	3, 4	C			X		X		(2)	
X	X	X	X	PT-514 MAIN STEAM PRESSURE LOOP 1	X		73	1411	2030'11 1/2'	ESE-1	1	C		2.8				X	(2)	
X	X	X	X	PT-515 MAIN STEAM PRESSURE LOOP 1	X		73	1411	2029'11 1/2'	ESE-1	1	C		2.8				X	(2)	
X	X	X	X	PT-516 MAIN STEAM PRESSURE LOOP 1	X		73	1411	2029'11 1/2'	ESE-1	1	C		2.8				X	(2)	
X	X	X	X	PV-1 ATM. DUMP VALVE LOOP 1		X	55	1508	2046'	J601B	1	NC	(2)		X			X	(7)	J601B, App. M

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MAIN STEAM (AB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1) STAT	(1) DYN	(1) TEST	NATL FREQ (F)	
X	X	X	X	V-055 → V-059 SAFETY VALVES LOOP 1		X	61	1508	2042'	M140	(2)	C	4.5H 4.5V	4.5H 4.5V	X		X	X	(1)	(2)
X	X	X	X	LV-9 DRAIN VALVE LOOP 1		X	55	1508	2026'7½"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	HV-14 MAIN STEAM ISO. VALVE LOOP 1		X	13	1508	2039'	M628	1	C	4.24H 3.0V	4.24H 3.0V		X	X		(1)	(1)
X	X	X	X	HV-15 MAIN STEAM ISO. BYPASS VALVE LOOP 1		X	55	1508	2042'9"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	PT-1 MAIN STEAM PRESSURE LOOP 1		X	47	1411	2017'5"	J301	1	C		4.2	X			X	(7)	J820

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MAIN STEAM (AB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	EBB01B STEAM GENERATOR B LOOP 2	X		73	2000	N/A	208833	3,4	C			X		X		(2)	
X	X	X	X	PT-524 MAIN STEAM PRESSURE LOOP 2	X		73	1412	2030'8½"	ESE-1	1	C		2.8				X	(2)	
X	X	X	X	PT-525 MAIN STEAM PRESSURE LOOP 2	X		73	1412	2029'11½"	ESE-1	1	C		2.8				X	(2)	
X	X	X	X	PT-526 MAIN STEAM PRESSURE LOOP 2	X		73	1412	2030'10½"	ESE-1	1	C		2.8				X	(2)	
X	X	X	X	PV-2 ATM. DUMP VALVE LOOP 2		X	55	1509	2046'	J601B	1	NC	(2)		X			X	(7)	J601B, App. M

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MAIN STEAM (AB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1) STAT	(1) DYN	(1) TEST	NATL FREQ (F)	
X	X	X	X	V-065 → V-069 SAFETY VALVES LOOP 2		X	61	1509	2041	M140	2	C	4.5H 4.5V	4.5H 4.5V	X		X	X	(1)	(2)
X	X	X	X	LV-8 DRAIN VALVE LOOP 2		X	55	1509	2026'10"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	HV-17 MAIN STEAM ISO. VALVE LOOP 2		X	13	1509	2039'	M628	1	C	4.24H 3.0V	4.24H 3.0V		X	X		(1)	(1)
X	X	X	X	HV-18 MAIN STEAM ISO. BYPASS VALVE LOOP 2		X	55	1509	2042'9"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	PT-2 MAIN STEAM PRESSURE LOOP 2		X	47	1412	2017'4"	J301	1	C		4.4	X			X	(7)	J820

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

SAFETY SYSTEM: MAIN STEAM (AB)

A/E: BECHTEL POWER CORPORATION

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT DYN	(1) TEST	(1) COMB	NATL CONF (F)	
X	X	X	X	EBB01C STEAM GENERATOR C LOOP 3	X		73	2000	N/A	208833	3,4	C					X		(2)	
X	X	X	X	PT-534 MAIN STEAM PRESSURE LOOP 3	X		73	1412	2029'11 1/2"	ESE-1	1	C		2.8		X			(2)	
X	X	X	X	PT-535 MAIN STEAM PRESSURE LOOP 3	X		73	1412	2029'11 1/2"	ESE-1	1	C		2.8			X		(2)	
X	X	X	X	PT-536 MAIN STEAM PRESSURE LOOP 3	X		73	1412	2031'	ESE-1	1	C		2.8			X		(2)	
X	X	X	X	PV-3 ATM. DUMP VALVE LOOP 3		X	55	1509	2046'	J601B	1	NC	(2)		X		X		(7)	J601B, App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MAIN STEAM (AB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA ORE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL FREQ (F)	
X	X	X	X	V-075 → V-079 SAFETY VALVES LOOP 3		X	61	1509	2042'	M140	2	C	4.5H 4.5V	4.5H 4.5V	X		X	X	(1)	(2)
X	X	X	X	LV-7 DRAIN VALVE LOOP 3		X	55	1509	2026'10 1/2"	J601A	1	NC		(2)	X			X	(7)	J601A, App. A
X	X	X	X	HV-20 MAIN STEAM ISO. VALVE LOOP 3		X	13	1509	2039'	M628	1	C	4.24H 3.0V	4.24H 3.0V		X	X		(1)	(1)
X	X	X	X	HV-21 MAIN STEAM ISO. BYPASS VALVE LOOP 3		X	55	1509	2042'9"	J601A	1	NC		(2)	X			X	(7)	J601A, App. A
X	X	X	X	PT-3 MAIN STEAM		X	47	1412	2017'5"	J301	1	C		4.4	X			X	(7)	J820

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SHUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MAIN STEAM (AB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	MATL FREO (F)	
X	X	X	X	EBB01D STEAM GENERATOR D LOOP 4	X		73	2000	N/A	208833	3,4	C			X		X		(2)	
X	X	X	X	PT-544 MAIN STEAM PRESSURE LOOP 4	X		73	1411	2030'11½"	ESE-1	1	C		2.8				X	(2)	
X	X	X	X	PT-545 MAIN STEAM PRESSURE LOOP 4	X		73	1411	2030'8½"	ESE-1	1	C		2.8				X	(2)	
X	X	X	X	PT-546 MAIN STEAM PRESSURE LOOP 4	X		73	1411	2029'11½"	ESE-1	1	C		2.8				X	(2)	
X	X	X	X	PV-4 ATM. DUMP VALVE LOOP 4		X	55	1508	2046	J601B	1	NC		(2)	X			X	(7)	J601B, App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MAIN STEAM (AB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL CONF (F)	
X	X	X	X	V-045 → V-047 SAFETY VALVES LOOP 4		X	61	1508	2042'	M140	2	C	4.5H 4.5V	4.5H 4.5V	X		X		X (1)	(2)
X	X	X	X	LV-10 DRAIN VALVE LOOP 4		X	55	1508	2026'9"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	HV-11 MAIN STEAM ISO. VALVE LOOP 4		X	13	1508	2039'	M628	1	C	4.24H 3.0V	4.24H 3.0V		X	X		(1)	(1)
X	X	X	X	HV-12 MAIN STEAM ISO. BYPASS VALVE LOOP 4		X	15	1508	2042'9"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	PT-4 MAIN STEAM PRESSURE LOOP 4		X	47	1411	2017'5"	J301	1	C		4.4	X			X	Ø	J820

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MAIN STEAM (AB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)	
X	X	X	X	HV-5 STEAM SUPPLY VALVE TO AUX. FEEDWTR. TURBINE		X	55	1509	2028'	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	HV-48 BYPASS WARMING VALVE FOR HV-5		X	55	1509	2028'	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	HV-6 STEAM SUPPLY VALVE TO AUX. FEED PUMP TURBINE		X	55	1509	2028'	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	HV-49 BYPASS WARMING VALVE FOR HV-6		X	55	1509	2028'	J601A	1	NC		(2)	X			X	(7)	J601A, App. M

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM 4: FEEDWATER (AE)

[illegible]

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FEEDWATER (AE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT(E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	DYN	(I) TEST	(I) COM	NATL FREQ (F)	
X	X	X	X	V-133 (CHECK) AMMONIA AND HYDRAZINE ISO. VALVE LOOP 1		X	62	1508	2029'9"	M231C	-	-	-	-	-	-	-	-	-	-	(5)
X	X	X	X	FV-43 (AIR) AMMONIA AND HYDRAZINE ISO. VALVE LOOP 1		X	55	1508	2029'9"	J601A	1	NC		(2)	X			X		(7)	J601A, App. M
X	X	X	X	LT-517 S.G. LEVEL NARROW RANGE LOOP 1	X		73	2201	2029'3"	ESE-3	1	C		2.8				X		(2)	
X	X	X	X	LT-518 S.G. LEVEL NARROW RANGE LOOP 1	X		73	2201	2029'3"	↓	↓	↓		↓				↓		↓	
X	X	X	X	LT-519 S.G. LEVEL NARROW RANGE LOOP 1	X		73	2201	2029'3"	↓	↓	↓		↓				↓		↓	

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

[illegible]

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FEEDWATER (AE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (C)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL(I) STAT	(I) DYN	(I) TEST	NATL COM FREQ (F)	
X	X	X	X	FV-44 (AIR) AMMONIA AND HYDRAZINE ISO. VALVE LOOP 2		X	55	1509	2029'9"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	LT-527 SG LEVEL NARROW RANGE LOOP 2	X		73	2201	2029'3"	ESE-3	1	C		2.8				X	(2)	
X	X	X	X	LT-528 SG LEVEL NARROW RANGE LOOP 2	X		73	2201	2029'3"	↓	↓	↓		↓				↓	↓	
X	X	X	X	LT-529 SG LEVEL NARROW RANGE LOOP 2	X		73	2201	2029'3"	↓	↓	↓		↓				↓	↓	
			X	FCV-530 (AIR) FEEDWATER CONTROL VALVE LOOP 3	X		73	4401	2035'	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)

A. HSD - Used for Hot Shutdown
CSD - Used for Cold Shutdown
LOCA - Used to Mitigate Loss
of Coolant Accident
MSLB - Used to Mitigate Main

B. List Applicable codes
and Standards
1 - IEEE 344-1975
2 - Regulatory Guide 1.100
3 - Regulatory Guide 1.92

C. C - Complete
CN - Qualified, but not onsite
CE - Qualified with exception
NC - Not complete

D. a - Rigid > 33 Hz
b - Flexible ≤ 33 HZ
c - One Natural Frequency < 33 Hz

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FEEDWATER (AE)

[illegible]

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

WSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FEEDWATER (AE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA	DYN		ANAL (I)	(I)	(I)	NATL FREQ (F)	
X	X	X	X	PV-45 (AIR) AMMONIA AND HYDRAZINE ISO. VALVE LOOP 3		X	55	1509	2029'9"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	LT-537 SG LEVEL NARROW RANGE LOOP 3	X		73	2201	2029'4"	ESE-3	1	C		2.8				X	(2)	
X	X	X	X	LT-538 SG LEVEL NARROW RANGE LOOP 3	X		73	2201	2029'4"	↓	↓	↓		↓				↓	↓	
X	X	X	X	LT-539 SG LEVEL NARROW RANGE LOOP 3	X		73	2201	2029'4"	↓	↓	↓		↓				↓	↓	
			X	FCV-540 (AIR) FEEDWATER CONTROL VALVE LOOP 4	X		73	4401	2035'	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: FEEDWATER (AE)

[illegible]

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FEEDWATER (AE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM (F)	
X	X	X	X	AUX. FEEDWATER ISO. VALVE LOOP 2		X	19	1509	2021'	M224A	-	-	-	-	-	-	-	-	-	(5)
	X	X	X	FV-46 (AIR) AMMONIA AND HYDRAZINE ISO. VALVE LOOP 4		X	55	1508	2029'9"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	LT-547 SG LEVEL NARROW RANGE LOOP 4	X		73	2201	2029'4"	ESE-3	1	C		2.8				X	(2)	
X	X	X	X	LT-548 SG LEVEL NARROW RANGE LOOP 4	X		73	2201	2029'4"	↓	↓	↓		↓				↓	↓	
X	X	X	X	LT-549 SG LEVEL NARROW RANGE LOOP 4	X		73	2201	2029'4"	↓	↓	↓		↓				↓	↓	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTIN HOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FEEDWATER (AE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECT ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1) STAT DYN	(1) TEST	(1) COM	NATL FREQ (F)	
X	X	X	X	LT-501 SG LEVEL WIDE RANGE LOOP 1	X		73	2201	2008' 7 1/2"	ESE-3	1	C		2.8				X	(2)	
X	X	X	X	LT-502 SG LEVEL WIDE RANGE LOOP 2	X		73	2201	2008' 1 1/2"	↓	↓	↓	↓	↓			↓	↓	↓	
X	X	X	X	LT-503 SG LEVEL WIDE RANGE LOOP 3	X		73	2201	2008' 6"	↓	↓	↓	↓	↓			↓	↓	↓	
X	X	X	X	LT-504 SG LEVEL WIDE RANGE LOOP 4	X		73	2201	2008' 6"	↓	↓	↓	↓	↓			↓	↓	↓	
X	X	X	X	LT-551 SG LEVEL NARROW RANGE LOOP 1	X		73	2201	2029' 3"	↓	↓	↓	↓	↓			↓	↓	↓	

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
STN 50-483

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FEEDWATER (AE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	L/C	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)	
X	X	X	X	LT-552 SG LEVEL NARROW RANGE LOOP 2	X		73	2201	2029'3"	ESE-3	1	C		2.8				X	(2)	
X	X	X	X	LT-553 SG LEVEL NARROW RANGE LOOP 3	X		73	2201	2029'4"	↓	↓	↓	↓					↓	↓	
X	X	X	X	LT-554 SG LEVEL NARROW RANGE LOOP 4	X		73	2201	2029'4"	↓	↓	↓	↓					↓	↓	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY FEEDWATER (AC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1) STAT	(2) DYN	(3) TEST	(4) COM		NATL FREQ (F)
X	X		X	HV-31 (MOTOR) ESW TO AUX. FEED PUMP A		X	20	1128	1992'	M236	1	NC	(4)	(4)	(4)			X		(7)	M236, App. I
X	X		X	V-009 (CHECK) ESW TO AUX. FEED PUMP A		X	19	1326	2002'6"	M223A	-	-	-	-	-	-	-	-	-	-	(5)
X	X		X	HV-35 (MOTOR) CST TO AUX. FEED PUMP A		X	19	1128	1991'	M223A	1	C		4.5 (6)					X	(1)	(2)
X	X		X	V-002 (CHECK) CST TO AUX. FEED PUMP A		X	19	1128	2002'	M223A	-	-	-	-	-	-	-	-	-	-	(5)
X			X	PT-25 AUX. FEED PUMP A SUCTION PRESSURE		X	47	1326	2001'11"	J301	1	C		4.4	X			X		(7)	J820

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY FEEDWATER (AC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I)	(I)	NATL TEST COM FREQ (F)		
X	X		X	PALOIA AUX. FEED PUMP A (MOTOR)		X	26	1326	2003'3"	E012.2	1,3	C		OBE	SSE		X				(1)	C-04A03B,S
X	X		X	V-041 (CHECK) AUX. FEED PUMP A RECIRC. LINE		X	62	1326	2013'	M231C	-	-	-	-	-	-	-	-	-	-		(5)
X	X		X	V-042 (CHECK) AUX. FEED PUMP A DISCHARGE		X	21	1328	2002'7"	M224B	-	-	-	-	-	-	-	-	-	-		(5)
X	X		X	HV-9 (MOTOR) AF PUMP A DISCHARGE TO SG B		X	56	1328	2001'6"	J601A	1	NC			(2)	X			X		(7)	J601A, App. M
X	X		X	V-048 (CHECK) AF PUMP A DISCHARGE TO SG B		X	21	1328	2001'6"	M224B	-	-	-	-	-	-	-	-	-	-		(5)

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY FEEDWATER (AC)

[illegible]

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY FEEDWATER (AC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (R)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I) TEST	(I) COM	NATL FREQ (F)	
													OBE	SSE		STAT	DYN				
			X	HV-12 (AIR) TURBINE AF PUMP DISCHARGE TO SG C		X	55	1330	2001'6"	J601A	1	NC		(2)	X			X		(7)	J601A, App. M
X	X		X	HV-30 (MOTOR) ESW TO AUX. FEED PUMP B		X	20	1128	1993'6"	M236	1	NC	(4)	(4)	(4)			X		(7)	M236, App. I
X	X		X	V-006 (CHECK) ESW TO AUX. FEED PUMP B		X	19	1325	2002'6"	M223A	-	-	-	-	-	-	-	-	-	-	(5)
X	X		X	HV-34 (MOTOR) CST TO AUX. FEED PUMP B		X	19	1128	1991'	M223A	1	C	4.5 (6)						X	(1)	(2)
X	X		X	V-003 (CHECK) CST TO AUX. FEED PUMP B		X	19	1128	1991'	M223A	-	-	-	-	-	-	-	-	-	-	(5)

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: AUXILIARY FEEDWATER (AC)

[illegible]

PLANT NAME: SNUPPS

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM 4: AUXILIARY FEEDWATER (AC)

[illegible]

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY FEEDWATER (AC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I) TEST	(I) CONF		NATL FREQ (F)
													OBE	SSE		STAT	DYN				
			X	V-057 (CHECK) TURBINE AF PUMP DISCHARGE TO SG A		X	21	1327	2001'6"	M224B	-	-	-	-	-	-	-	-	-	(5)	
			X	HV-8 (AIR) TURBINE AF PUMP TO SG A		X	55	1327	2001'6"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M	
X	X		X	PT-37 AUX FEEDWATER PUMP SUCTION		X	47	1207	1990'11"	J301	1	C		4.4	X			X	(7)	J820	
X	X		X	PT-38 AUX. FEED PUMP SUCTION		X	47	1207	1990'11"	↓	↓	↓		↓	↓			↓	↓		
X	X		X	PT-39 AUX. FEED PUMP SUCTION		X	47	1207	1990'11"	↓	↓	↓		↓	↓			↓	↓		

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY FEEDWATER (AC)

[illegible]

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SAFETY SYSTEM: AUXILIARY FEEDWATER (AC)

[illegible]

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

PAGE 29 OF 223

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY FEEDWATER (AC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLN		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)	
X	X		X	FT-1		X	47	1324	2016'6 1/2"	J301	1	C		4.4	X				(7)	J820
X	X		X	FT-2		X	47	1324	2016'6 1/2"											
X	X		X	FT-3		X	47	1328	2016'6 1/2"											
X	X		X	FT-4		X	47	1328	2016'6 1/2"											
X	X		X	FT-7		X	47	1324	2017'2 1/2"											
X	X		X	FT-9		X	47	1328	2016'2 1/2"											
X	X		X	FT-11		X	47	1328	2016'6 1/2"											
X	X		X	PALOLA INDUCTION MOTOR DRIVEN AUX. FEED PUMP		X	4	1326	2003'2"	M021	1	C	1.27H 1.2V	2.12H 2.0V		X			(1)	OBE-10466-C-04A03B SSE-10466-C-04A03S
X	X		X	PALOLA INDUCTION MOTOR DRIVEN AUX. FEED PUMP		X	4	1325	2003'2"	M021	1	C	1.27H 1.2V	2.12H 2.0V		X			(1)	OBE-10466-C-04A03B SSE-10466-C-04A03S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BFW)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	L/C	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	RB001 REACTOR VESSEL	X		73	2000	N/A	207951	3,4	C			X		X		(2)	(4)
X	X	X	X	PT-405 REACTOR COOLANT SYSTEM PRESSURE (HOT LEG)	X		73	2201	2008'-6"	ESE-1	1	C		2.8				X	(2)	
	X			PV-8702A (MOTOR) RHR PUMP SUCTION ISO. VALVE	X		73	2000	2007'-9"	1	3,4	C	(7)	(7)	(7)	X			(1)	
X	X	X	X	PT-403 REACTOR COOLANT SYSTEM PRESSURE (HOT LEG)	X		73	2201	2008'-8"	ESE-1	1	C		2.8				X	(2)	
	X			PV-8702B (MOTOR) RHR PUMP SUCTION ISO. VALVE	X		73	2000	2008'-0"	1	3,4	C	(7)	(7)	(7)	X			(1)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (C)
HSD	CSD	LOCA	MSLN		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM FREQ (F)	
X	X		X	TE-411A RCS HOT-LEG MANIFOLD TEMP. LOOP 1	X		73	2201	2016'-8"	ESE-5	1	C						X	(2)	
X	X		X	TE-411B RCS COLD-LEG RTD MANIFOLD TEMP. LOOP 1	X		73	2000	2016'-8"	↓	↓	↓						↓	↓	
X	X	X	X	TE-413A RCS HOT-LEG TEMP. ELEMENT LOOP 1	X		73	2201	2014'-6"	ESE-6	↓	↓						↓	↓	
X	X			FT-416 RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 1	X		73	2201	2002'-11"	ESE-4	1	C		2.8				X	(2)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTIN HOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1)	(2)	(3)	NATL FREQ (F)	
X	X			FT-415 RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 1	X		73	2201	2003'-1"	ESE-4	1	C		2.8				X	(2)	
X	X			FT-414 RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 1	X		73	2201	2002'-11"	↓	↓	↓		↓				↓	↓	
X	X	X	X	TE-413B RCS COLD LEG TEMP. ELEMENT LOOP 1	X		73	2201	2014'-6"	ESE-6	1	C						X	(2)	
	X	X	X	V-8948A (CHECK) SAFETY INJECTION ACCUMULATOR ISO. CHECK VALVE	X		73	2000	2019'-10"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (RB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (O)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I)	NATL FREQ (F)		
X	X	X	X	V-8378B (CHECK) CVCS CHARGING ISO. CHECK VALVE TO RCS LOOP 1	X		73	2000	2019'-2"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
X	X	X	X	V-8378A (CHECK) CVCS CHARGING ISO CHECK VALVE TO RCS LOOP 1	X		73	2000	2019'-2"	↓	↓	↓	↓	↓	↓	↓			↓	↓	
X	X	X	X	V-001 (CHECK) INJECTION TANK INJECTION LINE ISO. CHECK VALVE		X	62	2000	2009'-2"	M2310	-	-	-	-	-	-	-	-	-	(5)	
		X	X	V-8940A (CHECK) SAFETY INJECTION PUMP ISO. CHECK VALVE LOOP 1	X		73	2000	2007'-9"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNIPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COLLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLM		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZFA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMBINED (F)	
		X	X	V-8949B (CHECK) SI & RHR PUMPS ISO. CHECK VALVE LOOP 2	X		73	2000	2018'-1"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
X	X		X	TE-421A RCS HOT LEG MANIFOLD TEMP. LOOP 2	X		73	2201	2016'-8"	ESE-5	1	C						X	(2)	
X	X		X	TE-421B RCS COLD LEG RTD MANIFOLD TEMP. LOOP 2	X		73	2201	2016'-8"	✓	✓	✓						✓	✓	
X	X	X	X	TE-423A RCS HOT LEG TEMP. LOOP 2	X		73	2201	2014'-6"	ESE-6	1	C						X	(2)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

NSSS: WESTIN HOUSE
SAFETY SYSTEM: REACTOR COOLANT SYSTEM (8B)

FUNCTION (A)			EQUIPMENT TYPE		SUPPLIER		LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)		QUALIFICATION METHOD			FLOOR RESPONSE SPECTRA ID NO. (G)
HSD	CSD	LOCATIONS			NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES STANDARDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	ANAL (I)	TEST COMPT (F)	
X	X		FT-426	RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 2	X		73	2201	2003'-4"	ESE-4	1	C		2.8	X	(2)	
X	X		FT-425	RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 2	X		73	2201	2003'-4"								
X	X		FT-424	RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 2	X		73	2201	2003'-4"								
X	X		TE-423B	RCS COLD LEG TEMP. ELEMENT LOOP 2	X		73	2201	2014'-6"	ESE-6	1	C			X	(2)	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD						FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST COM	NATL FREQ (F)			
	X	X	X	V-8948B (CHECK) SAFETY INJECTION ACCUMULATOR ISO. CHECK VALVE	X		73	2000	2019'-10"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)		
		X	X	V-8949C (CHECK) SAFETY INJECTION PUMP CHECK VALVE LOOP 3	X		73	2000	2009'-2"	✓	✓	✓	✓	✓	✓	✓			✓	↓		
X	X		X	TE-431A RCS HOT LEG MANIFOLD TEMP. LOOP 3	X		73	2201	2020'-6"	ESE-5	1	C						X	(2)			
X	X		X	TE-431B RCS COLD LEG RTD MANIFOLD TEMP. LOOP 3	X		73	2201	2016'-8"	✓	✓	✓						✓	✓			
X	X	X	X	V-022 (CHECK) BORON INJ. TANK INJ. LINE ISO. CHECK VALVE		X	62	2000	2009'2"	M231C	-	-	-	-	-	-	-	-	-	(5)		

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	TEST DYN	COMB (I)	NATL FREQ (F)	
X	X	X	X	TE-433A RCS HOT LEG TEMP. ELEMENT LOOP 3	X		73	2201	2014'-6"	ESE-6	1	C						X	(2)	
X	X			FT-436 RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 3	X		73	2201	2003'-4"	ESE-4	1	C	2.8					X	(2)	
X	X			FT-435 RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 3	X		73	2201	2003'-4"	↓	↓	↓	↓				↓	↓	↓	
X	X			FT-434 RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 3	X		73	2201	2003'-4"	↓	↓	↓	↓				↓	↓	↓	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (I)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (1) STAT	(1) DYN	(1) TEST	(1) COM	NATL FREQ (F)	
X	X	X	X	TE-433-B RCS COLD LEG TEMP. ELEMENT LOOP 3	X		73	2201	2014'-6"	ESE-6	1	C						X		(2)	
	X	X	X	V-8948C (CHECK) SAFETY INJECTION ACCUMULATOR ISO. CHECK VALVE	X		73	2000	2019'-10"	1	3,4	C	(7)	(7)	(7)	X				(1)	(4)
X	X	X	X	V-040 (CHECK) BORON INJECTION TANK INJECTION LINE ISO. CHECK VALVE		X	62	2000	2006'-6"	M231C	-	-	-	-	-	-	-	-	-	-	(5)
X	X		X	TE-441A RCS HOT LEG RTD MANIFOLD TEMP. ELEMENT LOOP 4	X		73	2201	2016'-8"	ESE-5	1	C						X		(2)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA ORB	SSE	DYN	ANAL (1) STAT	(1) DYN	(1) TEST	NATL FREQ (F)	
X	X		X	TE-441B RCS COLD LEG RTD MANIFOLD TEMP. ELEMENT LOOP 4	X		73	2201	2016'-8"	ESE-5	1	C						X	(2)	(4)
		X	X	V-8949D (CHECK) SAFETY INJECTION PUMP ISO. CHECK VALVE	X		73	2000	2011'-7"	1	3,4	C	(7)	(7)	(7)	X			(1)	
X	X	X	X	TE-443A RCS HOT LEG TEMP ELEMENT LOOP 4	X		73	2201	2014'-6"	ESE-6	1	C						X	(2)	
X	X			FT-446 RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 4	X		73	2201	2003'-4"	ESE-4	1	C		2.8				X	(2)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (I)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT DYN	(I) TEST	(I) COMB	NATL REQ (F)	
X	X			FT-445 RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 4	X		73	2201	2003'-4"	ESE-4	1	C		2.8			X		(2)	
X	X			FT-444 RCS CROSSOVER LEG FLOW TRANSMITTER LOOP 4	X		73	2201	2003'-1"	↓	↓	↓	↓	↓			↓	↓	↓	
X	X	X	X	TE-443B RCS COLD LEG TEMP ELEMENT LOOP 4	X		73	2201	2014'-6"	↓	↓	↓	↓	↓			↓	↓	↓	
X	X	X	X	V-8379A (CHECK) CVCS ALTERNATE CHARGING VALVE	X		73	2000	2014'-6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
X	X	X	X	V-8379B (CHECK) CVCS ALTERNATE CHARGING LINE ISO. CHECK VALVE	X		73	2000	2009'-0"	↓	↓	↓	↓	↓	↓	↓		↓	↓	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLR		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREO (F)	
	X	X	X	V-8948D (CHECK) SAFETY INJECTION ACCUM. ISO. VALVE LOOP 4	X		73	2000	2019'-10"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
X	X	X	X	V-059 (CHECK) SIS BORON INJECT. TANK ISO. CHECK VALVE		X	62	2000	2006'-6"	M231C	-	-	-	-	-	-	-	-	-	(5)
X	X	X	X	LT-461 PRESSURIZER LEVEL TRANSMITTER	X		73	2201	2029'-4"	ESE-3	1	C		2.8			X		(2)	
X	X	X	X	LT-459 PRESSURIZER LEVEL TRANSMITTER	X		73	2201	2029'-3"	↓	↓	↓								
X	X	X	X	LT-460 PRESSURIZER LEVEL TRANSMITTER	X		73	2201	2029'-3"	↓	↓	↓								

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO. : STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTIN-HOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM 4: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)	
													OBE	SSE		STAT	DYN	TEST	COM	FREQ
X	X	X	X	TBB03 PRESSURIZER	X		73	2000	N/A	215903	3,4	C				X				(2)
X	X	X	X	PT-455 PRESSURIZER PRESSURE TRANSMIT.	X		73	2201	2029'-4"	ESE-1	1	C		2.8				X		(2)
X	X	X	X	PT-456 PRESSURIZER PRESSURE TRANSMIT.	X		73	2201	2029'-4"	↓	↓	↓		↓				↓		↓
X	X	X	X	PT-457 PRESSURIZER PRESSURE TRANSMIT.	X		73	2201	2051'-8"	↓	↓	↓		↓				↓		↓
X	X	X	X	PT-458 PRESSURIZER PRESSURE TRANSMIT.	X		73	2201	2051'-8"	↓	↓	↓		↓				↓		↓

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)		
X				V-084 (CHECK) CVCS AUXILIARY SPRAY ISO. CHECK VALVE		X	62	2602	2071'-2"	M231C	-	-	-	-	-	-	-	-	-	(5)	
			X	V-8010A (RELIEF) PRESSURIZER SAFETY RELIEF VALVE	X		73	2602	2080'-3"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
			X	V-8010B (RELIEF) PRESSURIZER SAFETY RELIEF VALVE	X		73	2602	2080'-3"	↓	↓	↓	↓	↓	↓	↓			↓		
			X	V-8010C (RELIEF) PRESSURIZER SAFETY RELIEF VALVE	X		73	2602	2080'-3"	↓	↓	↓	↓	↓	↓	↓			↓		
X	X	X	X	PCV-455A (SOLENOID) PRESSURIZER POWER- OPERATED RELIEF VALVE	X		73	2601	2070'-1"	↓	↓	↓	↓	↓	↓	↓			↓		

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)		
X	X	X	X	PCV-456A (SOLENOID) PRESSURIZER POWER- OPERATED RELIEF VALVE	X		73	2601	2070'-1"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
X	X	X	X	HV-8000A (MOTOR) PRESSURIZER PORV ISO. VALVE	X		73	2601	2070'-1"	↓	↓	↓	↓	↓	↓	↓			↓	↓	
X	X	X	X	HV-8000B (MOTOR) PRESSURIZER PORV ISO. VALVE	X		73	2601	2070'-1"	↓	↓	↓	↓	↓	↓	↓			↓	↓	
X	X	X	X	HV-8351A, B, C, D (MOTOR) RCP SEAL INJECT. CONTAINMENT ISO. VALVE	X		73	1322	2002'-0"	↓	↓	↓	↓	↓	↓	↓			↓	↓	

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (F)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (C)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(J)	(K)	NATL STAT DYN	TEST CONF (F)	
X	X	X	X	V-118, 148, 178, 203 (CHECK) RCP SEAL INJECT. CONTAINMENT ISO. VALVE		X	62	2000	2009'-6" 2005'-6" 2009'-6" 2009'-6"	M231C	-	-	-	-	-	-	-	-	-	-	(5)
X	X	X	X	V-120, 150, 180, 210, (CHECK) RCP SEAL INJECTION RCS ISOLATION CHECK VALVE		X	62	2000	2017'-6½" 2018'-0½" 2005'-7½" 2012'-3"												
X	X	X	X	V-121, 151, 181, 211 (CHECK) RCP SEAL INJECTION RCS ISOLATION CHECK VALVE		X	62	2000	2017'-6½" 2018'-0½" 2005'-7½" 2012'-3"												
		X	X	HV-8026 (AIR) CONTAINMENT ISO. VALVE NITROGEN SUPPLY TO PRT	X		73	2000	2013'-6"	1	3,4	C	(7)	(7)	(7)	X				(1)	(4)

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL COMFREQ (F)		
		X	X	HV-8027 (AIR) CONTAINMENT ISO. VALVE NITROGEN SUPPLY TO PRT	X		73	1322	2012'-6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
X	X		X	V-122, 152, 182, 212 (CHECK) CCW TO RCP THERMAL BARRIER COOLER		X	21	2000	2027'-0" 2027'-0" 2030'-6" 2027'-0"	M224B ↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	(5)	
X	X		X	HV-13, 14, 15, 16 (MOTOR) RCP THERMAL BARRIER COOLER ISO. VALVE	X		73	2000	2027'-0" 2001'-0" 2027'-0" 2027'-0"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
X	X		X	FT-17, 18, 19, 20 RCP THERMAL BARRIER FLOW TRANSMITTER	X		73	2000	2028'-2½" 2010'-10½" 2029'-7½" 2029'-7½"	J301	1	C		4.4	X			X	(7)	J-820	
	X	X		HV-8001A (SOLENOID) REACTOR VESSEL HEAD VENT	X		73	2000	2048'-3"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOC	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM (F)	
	X	X		HV-8001B (SOLENOID) REACTOR VESSEL HEAD VENT	X		73	2000	2048'-3"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
	X	X		HV-8002A (SOLENOID) REACTOR VESSEL HEAD VENT	X		73	2000	2048'-3"	↓	↓	↓	↓	↓	↓	↓			↓	↓
	X	X		HV-8002B (SOLENOID) REACTOR VESSEL HEAD VENT	X		73	2000	2048'-3"	↓	↓	↓	↓	↓	↓	↓			↓	↓
X	X			HV-8037A (MOTOR) PRT EMERGENCY DRAIN LINE	X		73	2000	2001'-6"	↓	↓	↓	↓	↓	↓	↓			↓	↓
X	X			HV-8037B (MOTOR) PRT EMERGENCY DRAIN LINE	X		73	2000	2001'-6"	↓	↓	↓	↓	↓	↓	↓			↓	↓

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR COOLANT SYSTEM (BB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (I)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)	
X	X			V-8038A/B CHECK) ISOLATION FOR PRT INLET LINE	X		73	2000	2016'-6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
X	X			HV-8157A (SOLENOID) EXCESS LETDOWN PATH TO PRT ISO.	X		73	2000	2013'-0"	↓	↓	↓	↓	↓	↓	↓			↓	↓
X	X			HV-8157B (SOLENOID) EXCESS LETDOWN PATH TO PRT ISO.	X		73	2000	2013'-0"	↓	↓	↓	↓	↓	↓	↓			↓	↓
X	X			V-124 RCP-A THERM.BARRIER COOLING COIL PRESS. RELIEF VALVE		X	61	2000	2031'8½"	M141	2	C	4.5H 4.5V	4.5H 4.5V		X			(1)	(2)
X	X			V-154 RCP-B THERMAL BARRIER COOLING COIL PRESS. RELIEF VALVE		X	61	2000	2002'7"	↓	↓	↓	↓	↓		↓			↓	↓

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER & LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	L	C		NSSS	BOP	VENDOR (J)	ROOM NO	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM (F)	
		X	X	HV-8160 (AIR) LETDOWN CONTAINMENT ISO. VALVE (INSIDE)	X		73	2000	2005'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	HV-8152 (AIR) LETDOWN CONTAINMENT ISO. VALVE (OUTSIDE)	X		73	1322	2001'	1	3,4	C								
		X	X	HV-8112 (MOTOR) SEAL WATER RETURN CONTAINMENT ISO. VALVE (INSIDE)	X		73	2000	2005'2"	1	3,4	C								
		X	X	HV-8100 (MOTOR) SEAL WATER RETURN CONTAINMENT ISO. VALVE (OUTSIDE)	X		73	1322	2001'3"	1	3,4	C								
X	X	X	X	LCV-112B (MOTOR) VCT ISO. VALVE FROM CHARGING PUMP SUCTION	X		73	1318	2002'5"	1	3,4	C								

PLANT NAME: SNUPPS

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) CONF	NATL FREO (F)	
X	X	X	X	LCV-112C (MOTOR) VCT ISO. VALVE FROM CHARGING PUMP SUCTION	X		73	1318	2002'½"	I	3,4	C	(7)	(7)	(7)	X			(1)	(4)
X	X	X	X	V-8440 (CHECK) CHARGING PUMP SUCTION CHECK VALVE	X		73	1318	2002'½"											
X	X	X	X	V-8497 (CHECK) PD PUMP DISCHARGE CHECK VALVE	X		73	1115	2202'½"											
X	X	X	X	V-8546A (CHECK) CHARGING PUMP SUCTION FROM RWST	X		73	1114	1975'6"											
X	X	X	X	V-8546B (CHECK) CHARGING PUMP SUCTION FROM RWST	X		73	1107	1975'6"	↓	↓	↓	↓	↓	↓	↓			↓	↓

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482

STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (I)		(I) TEST	(I) COM		NATL FREQ (F)
													OBE	SSE	DYN	STAT	DYN				
X	X			TBG03A BORIC ACID TANK A		X	67	1117	1974'	M105B	3	C	1.33V 0.27H	2.0V 0.38H			X			(3)	See M105B attachments
X	X			LT-102 BORIC ACID TANK A LEVEL TRANSMITTER	X		73	1117	1978'	ESE-4	I	C		2.8				X		(2)	
X	X			LT-104 BORIC ACID TANK A LEVEL TRANSMITTER	X		73	1117	1978'	↓	↓	↓	↓	↓				↓	↓		
X	X			V-8486 (CHECK) BORIC ACID BATCHING TANK ISO. FROM BATP SUCTION	X		73	1117	1975'2"	I	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
X	X			V-8476 (MANUAL) BATP MANUAL ISO. VALVE	X		73	1117	1975'2"	↓	↓	↓	↓	↓	↓	↓			↓	↓	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1) STAT DYN	(1) TEST	(1) COM	NATL FREQ (F)	
X	X			PBG02A (MOTOR) BORIC ACID TRANS. PUMP A	X		73	1117	1975'2 1/2"	248052 AE-3	3,4	C	(3)	(3)	(3)	X			(1)	(6)
X	X			V-147 (CHECK) BATP A DISCHARGE CHECK VALVE		X	63	1117	1977'6"	M221	-	-	-	-	-	-	-	-	-	(5)
X	X			TBG03B BORIC ACID TANK B		X	6	1116	1974'	M105B	3	C	1.33V 0.27H	2.0V 0.38H		X			(3)	See M105B attachments
X	X			LT-105 BAT B LEVEL TRANS- MITTER	X		73	1116	1978'	ESE-4	1	C		2.8			X		(2)	
X	X			LT-106 BAT B LEVEL TRANS- MITTER	X		73	1116	1978'	↓	↓	↓	↓	↓			↓	↓		
X	X			PBG02B (MOTOR) BORIC ACID TRANS. PUMP B	X		73	1116	1978'	248052 AE-3	3,4	C	(3)	(3)	(3)	X			(1)	

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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VSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
NSD	CSD	LXCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (1) STAT	(1) DYN	(1) TEST	(1) CONF	NATL FREO (F)	
X	X			V-165 (CHECK) BATP B DISCHARGE CHECK VALVE		X	63	1116	1977'6"	M221	-	-	-	-	-	-	-	-	-	-	(5)
X	X			PBG07 BORIC ACID FILTER	X		73	1302	2002'3 1/2"	233991	3,4	C	(3)	(3)	(3)	X				(3)	(6)
X	X			V-173 MANUAL VALVE IN BORIC ACID FILTER BYPASS LINE		X	64	1116	1978'11 1/4"	M243	-	-	-	-	-	-	-	-	-	-	(5)
X	X			V-172 MANUAL VALVE IN BYPASS LINE AROUND BORIC ACID FILTER		X	64	1116	1978'11 1/4"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X			HV-8104 (MOTOR) ISO. VALVE IN EMERGENCY BORATION PATH	X		73	1116	1975'	1	3,4	C	(7)	(7)	(7)	X				(1)	(4)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM 4: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE SSE DYN			ANAL (I) STAT DYN		(I) TEST	(I) CONF	
X	X			V-174 (CHECK) EMERGENCY BORATION PATH CHECK VALVE		X	63	1116	1975'	M221	-	-	-	-	-	-	-	-	-	(5)
X	X			V-184 (CHECK) EMERGENCY BORATION PATH ISO. CHECK VALVE		X	62	1116	1977'	M231C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X			V-183 MANUAL ISO. VALVE TO EMERGENCY BORATION PATH		X	64	1116	1977'	M243	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X			V-154 (CHECK) BORIC ACID SUPPLY TO CHARGING PUMPS		X	62	1116	1975'	M231C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X			V-170 (MANUAL) BORIC ACID SUPPLY TO CHARGING PUMPS		X	64	1116	1975'	M243	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT(E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA IL NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COMB	NATL FREQ (F)		
X	X			V-180 (CHECK) REACTOR MAKEUP WATER ISOLATION		X	62	1318	200' "	M231C	-	-	-	-	-	-	-	-	-	(5)	
X	X	X	X	PBG05A (MOTOR) CENTRIFUGAL CHARGING PUMP A	X		73	1114	1977'11"	236930 AE -2	3,4	C	(3)	(3)	(3)	X			(1)	(6)	
X	X	X	X	V-259 (MANUAL) CCW TO CCP A OIL COOLER		X	65	1114	1978'7"	M231A	↓	↓	↓	↓	↓	↓	↓	↓	↓	(5)	
X	X	X	X	V-091 (CHECK) CCP A MINIFLOW ISO CHECK VALVES		X	62	1114	1975'3"	M231C	↓	↓	↓	↓	↓	↓			↓	↓	

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM 4: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LICA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREO (F)		
X	X	X	X	V-8481A (CHECK) CCP A DISCHARGE CHECK VALVE	X		73	1114	1975'3"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
X	X	X	X	HV-8357A (SOLENOID) CCP A DISCHARGE TO RCP SEALS	X		73	1114	1979'9"	↓		↓	↓	↓	↓	↓			↓	↓	
X	X	X	X	PBG05B (MOTOR) CENTRIFUGAL CHARGING PUMP B	X		73	1107	1977'11"	236930 AE-2	↓	↓	(3)	(3)	(3)	↓			↓	(6)	
X	X	X	X	V-25B (MANUAL) CCW TO CCP B OIL COOLERS		X	65	1107	1979'1"	M231A	-	-	-	-	-	-	-	-	-	(5)	
X	X	X	X	V-095 (CHECK) CCP B MINIFLOW ISO. VALVE		X	62	1117	1975'3"	M231C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BC)

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SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: NUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLM		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	HV-8105 (MOTOR) CHARGING LINE CONTAINMENT ISO. VALVE	X		73	1323	2001'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	V-8381 (CHECK) CHARGING LINE CONTAINMENT ISO. VALVE	X		73	2000	2009'6"	↓	↓	↓	↓	↓	↓	↓			↓	↓
X	X			V-591 (CHECK) CHARGING TO RCP SEAL INJECTION ISOLATION VALVE		X	62	1114	1983'8"	M231C	-	-	-	-	-	-	-	-	-	(5)
X	X			FBG04A SEAL WATER INJECT. FILTER	X		73	1302	2001'6"	237351	3,4	C	(3)	(3)	(3)	X			(3)	(6)
X	X			FBG04B SEAL WATER INJECT. FILTER	X		73	1302	2001'6"	↓	↓	↓	↓	↓	↓	↓			↓	↓

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR	ROOM NO.	ELEV.	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL		
													OBE	SSE		STAT	DYN	TEST	CONF	FREQ (F)	
X	X	X	X	V-198 (MANUAL) RCP A SEAL INJECT. THROTTLING VALVE		X	22	1322	2002'	M231B	-	-	-	-	-	-	-	-	-	-	
X	X	X	X	V-199 (MANUAL) RCP B SEAL INJECT. THROTTLING VALVE		X	22	1322	2002'												
X	X	X	X	V-200 (MANUAL) RCP C SEAL INJECT. THROTTLING VALVE		X	22	1322	2002'												
X	X	X	X	V-201 (MANUAL) RCP D SEAL INJECT. THROTTLING VALVE		X	22	1322	2002'												
		X	X	V-135 (CHECK) SEAL WATER RETURN CONTAINMENT PENETRATION PRESSURE RELIEF		X	62	2000	2008'10"	M231C											

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL FREO (F)	
X	X	X	X	FT-215A RCP SEAL INJECT. FLOW	X		73	1202	1990'7"	ESE-1	1	C		2.8				X	(2)	
X	X	X	X	FT-215B RCP SEAL INJECT. FLOW	X		73	1202	1990'11 1/2"	↓	↓	↓		↓				↓	↓	
X	X			HV-8154A (SOLENOID) EXCESS LETDOWN/ RCS ISO. VALVES	X		73	2000	2006'9"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
X	X			HV-8154B (SOLENOID) EXCESS LETDOWN/ RCS ISO. VALVES	X		73	2000	2006'9"	↓	↓	↓	↓	↓	↓	↓			↓	↓
X	X			FT-138A EXCESS LETDOWN PATH TO PRT FLOWRATE	X		73	2000	2002'11 1/2"	ESE-1	1	C		2.8			X		(2)	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER
UNION ELECTRIC COMPANY

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL(I) STAT DYN	(I) TEST	(I) COMFREQ (F)		
X	X			FT-138B EXCESS LETDOWN PATH TO PRT FLOWRATE	X		73	2000	2003'15"	ESE-1	1	C		2.8			X	(2)		
X	X			TT-137A EXCESS LETDOWN PATH TO PRT TEMPERATURE	X		73	2000	2004'10"	↓	↓	↓		↓			↓			
X	X			TT-137B EXCESS LETDOWN PATH TO PRT TEMPERATURE	X		73	2000	2004'10"	↓	↓	↓		↓			↓			
X	X			HV-8153A (SOLENOID) EXCESS LETDOWN/RCS ISOLATION VALVES	X		73	2000	2006'9"	1	3,4	C	(7)	(7)	(7)	X		X	(4)	
X	X			HV-8153B (SOLENOID) EXCESS LETDOWN/RCS ISOLATION VALVES	X		73	2000	200'9"	↓	↓	↓	↓	↓	↓	↓	↓	↓		

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I) (I)	NATL FREQ (F)			
													OBE	SSE		STAT	DYN	TEST	COM		
X	X		X	V-203 PRESSURE RELIEF VALVE - EXCESS LETDOWN HEAT EXCH. (THERMAL RELIEF)		X	61	Reactor Coolant Pump Area No. 1	2079'9 1/2"	M-141	2	C	4.5H 4.5V	4.5H 4.5V		X				(1)	(2)
										↓	↓	↓	↓	↓		↓				↓	↓
X	X	X	X	V-020 PRESSURE RELIEF VALVE - SEAL WATER HEAT EXCHANGER (THERMAL RELIEF)		X	61	1120	1983'												
X	X		X	V-207 PRESSURE RELIEF VALVE - LETDOWN HEAT EXCHANGER-CCW (THERMAL RELIEF)		X	61	1315	2002'5"												
										↓	↓	↓	↓	↓		↓				↓	↓

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I) (I) TEST COM	NATL FREQ (F)	
													OBE	SSE		STAT	DYN			
X	X	X	X	V-524 PRESSURE RELIEF VALVE CCP "A" CCW LINE		X	61	1114	1979'11"	M141	2	C	4.5H 4.5V	4.5H 4.5V		X			(1)	(2)
X	X	X	X	V-525 PRESSURE RELIEF VALVE CCP "B" CCW LINE		X	61	1107	1980'4"											
				V-545 PRESSURE RELIEF VALVE PDCP. CCW LINE		X	61	1115	1978'											
		X	X	ENG03 SEAL WATER HEAT EXCHANGER	X		73	1317	2000'	240533	3,4	C	(3)	(3)	(3)	X			(3)	(6)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CHEMICAL AND VOLUME CONTROL SYSTEM (BC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL FREQ (F)	
X	X	X	X	V-524 PRESSURE RELIEF VALVE CCP "A" CCW LINE		X	61	1114	1979'11"	M141	2	C	4.5H 4.5V	4.5H 4.5V		X			(1)	(2)
X	X	X	X	V-525 PRESSURE RELIEF VALVE CCP "B" CCW LINE		X	61	1107	1980'4"											
				V-545 PRESSURE RELIEF VALVE PDCP. CCW LINE		X	61	1115	1978'											
		X	X	EBG03 SEAL WATER HEAT EXCHANGER	X		73	1317	2000'	240533	3,4	C	(3)	(3)	(3)	X			(2)	(6)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTIN HOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: REACTOR MAKEUP WATER SYSTEM (BL)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)	
		X	X	HV-8047 (AIR) CONTAINMENT ISO. VALVE	X		73	1322	2002'-0"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	HV-8045 (CHECK) CONTAINMENT ISO. VALVE	X		73	2000	2002'-2"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: SPENT FUEL POOL COOLING AND CLEANUP (EC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I) TEST	(I) COM	NATL FREQ (F)	
													OBE	SSE		STAT	DYN				
X	X	X	X	LSL-57 SPENT FUEL POOL LEVEL LOOP A		X	52	6104	2047'-8"	J481	1	NC		2.0	X			X		(7)	J-820
X	X	X	X	PECO1A SPENT FUEL POOL COOLING PUMP A		X	2	6104	2002'-6"	M084	2	C	0.5H 0.5V	3.0H 2.0V			X		X	(1)	10466-C-04F05S 10466-C-04F05B
X	X	X	X	V-004 (CHECK) S.F. POOL PUMP A DISCHARGE		X	63	6104	2009'-0"	M221	-	-	-	-	-	-	-	-	-	(5)	
X	X	X	X	EEO1A FUEL POOL COOLING HEAT EXCHANGER LOOP A		X	66	6104	2005'-6"	M071	2	C	.25H .39V	.415H .65V		X			X	(1)	10466-C-04F05S 10466-C-04F05B
X	X	X	X	HV-11 (MOTOR) F.P.C.H. EX CCW ISO. VALVE LOOP A		X	20	6104	2005'-3½"	M236	1	NC	(4)	(4)	(4)			X		(7)	M236, App. I

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: SPENT FUEL POOL COOLING AND CLEANUP (EC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (I)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	LSL-58 SPENT FUEL POOL LEVEL LOOP B		X	52	6105	2047'-8"	J481	1	NC		2.0	X			X	(7)	J-820
X	X	X	X	PEC01B SPENT FUEL POOL COOLING PUMP B		X	2	6105	2002'-6"	M064	2	C	0.5H 0.5V	3.0H 2.0V			X		X (1)	10466-C-04F05S 10466-C-04F05B
X	X	X	X	V-013 (CHECK) S.F. POOL PUMP B DISCHARGE		X	63	6105	2009'-0"	M221	-	-	-	-	-	-	-	-	-	(5)
X	X	X	X	EEO01B FUEL POOL COOLING HEAT EXCHANGER LOOP B		X	66	6105	2005'6"	M071	2	C	.25H .39V	.415H .65V			X		X (1)	10466-C-04F05B 10466-C-04F05S
X	X	X	X	HV-12 (MOTOR) F.P.C.H. EX. CCW ISO. VALVE LOOP B		X	20	6105	2005'-3½"	M236	1	NC	(4)	(4)	(4)			X	(7)	M236, App. I

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

[illegible]

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTIN HOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STEAM GENERATOR BLOWDOWN (BM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	L/C	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL FREQ (F)	
X		X	X	HV-1 (AIR) BLOWDOWN ISO. VALVE LOOP 1		X	55	1508	2028'	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X		X	X	HV-35 (SOLENOID) BLOWDOWN SAMPLE ISO. VALVE LOOP 1		X	57	2000	2017'6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
X		X	X	HV-19 (SOLENOID) BLOWDOWN SAMPLE ISO. VALVE LOOP 1		X	57	2000	2017'6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
X		X	X	HV-65 (SOLENOID) BLOWDOWN SAMPLE ISO. VALVE LOOP 1		X	57	1508	2017'6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
X		X	X	HV-2 (AIR) BLOWDOWN ISO. VALVE LOOP 2		X	55	1509	2028"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STEAM GENERATOR BLOWDOWN (BM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (B)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (E)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM FREQ (F)	
X		X	X	HV-21 (SOLENOID) BLOWDOWN SAMPLE ISO. VALVE LOOP 3		X	57	2000	2013'-6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. M
X		X	X	HV-67 (SOLENOID) BLOWDOWN SAMPLE ISO. VALVE LOOP 3		X	57	1509	2013'-6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. M
X		X	X	HV-4 (AIR) BLOWDOWN ISO. VALVE LOOP 4		X	55	1508	2028'-0"	J601A	1	NC		(2)	X			X	(7)	J601A, App. J
X		X	X	HV-38 (SOLENOID) BLOWDOWN SAMPLE ISO. VALVE LOOP 4		X	57	2000	2013'-6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. M
X		X	X	HV-22 (SOLENOID) BLOWDOWN SAMPLE ISO VALVE LOOP 4		X	57	2000	2013'-6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. M
X		X	X	HV-68 (SOLENOID) BLOWDOWN SAMPLE ISO VALVE LOOP 4		X	57	1508	2013'-6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STEAM GENERATOR BLOWDOWN (BM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM FREQ (E)	
X		X	X	HV-36 (SOLENOID) BLOWDOWN SAMPLE ISO. VALVE LOOP 2		X	57	2000	2013'-6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. M
X		X	X	HV-20 (SOLENOID) BLOWDOWN SAMPLE ISO. VALVE LOOP 2		X	57	2000	2013'-6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. M
X		X	X	HV-66 (SOLENOID) BLOWDOWN SAMPLE ISO. VALVE LOOP 2		X	57	1509	2013'-6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. M
X		X	X	HV-3 (AIR) BLOWDOWN ISO. VALVE LOOP 3		X	55	1509	2028'-0"	J601A	1	NC		(2)	X			X	(7)	J601A, App. J
X		X	X	HV-37 (SOLENOID) BLOWDOWN SAMPLE ISO. VALVE LOOP 3		X	57	2000	2013'-6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: IUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

V/E: BECHTEL POWER CORPORATION

SAFETY SYSTE : BORATED REFUELING WATER STORAGE (BN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1) STAT DYN	(1) TEST	(1) COM	NATL FREQ (F)	
		X		HV-8813 (MOTOR) ISO. VALVE FOR SI PUMP MIN. RECIRC.	X		73	1113	1975'-6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
X	X	X	X	TBN01 REFUELING WATER STORAGE TANK		X	67	Yard Tank	N/A	M109	2	C	0.13H 0.13V	0.25H 0.25V		X			(1)	10466-C-G00B, 00S 10466-C-04B07B, 7S
X	X	X	X	LT-930 LEVEL TRANSMITTER FOR RWST	X		73	7133	1994'-5"	ESE-3	1	C		2.8			X		(2)	
X	X	X	X	LT-931 LEVEL TRANSMITTER FOR RWST	X		73	7133	1994'-5"	↓	↓	↓	↓	↓			↓	↓	↓	
X	X	X	X	LT-932 LEVEL TRANSMITTER FOR RWST	X		73	7133	1994'-2"	↓	↓	↓	↓	↓			↓	↓	↓	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM 4: BORATED REFUELING WATER STORAGE (BN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (J) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)		
X	X	X	X	LT-933 LEVEL TRANSMITTER FOR RWST	X		73	7133	1994'-2"	ESE-3	1	C		2.8				X		(2)	
X	X	X	X	HCV-8800B (AIR) ISO. VALVE FOR FUEL POOL CLEANUP PUMPS	X		73	1202	1990'-0"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
X	X	X	X	HCV-8800A (AIR) ISO. VALVE FOR FUEL POOL CLEANUP PUMPS	X		73	1202	1990'-0"	↓	↓	↓	↓	↓	↓	↓			↓	↓	
X	X	X	X	LCV-112E (MOTOR) CHARGING PUMP SUCTION VALVE	X		73	1107	1975'-6"	↓	↓	↓	↓	↓	↓	↓			↓	↓	
		X	X	HV-8806B (MOTOR) SAFETY INJECT. PUMP SUCTION ISO. VALVE	X		73	1108	1976'-10"	↓	↓	↓	↓	↓	↓	↓			↓	↓	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: BORATED REFUELING WATER STORAGE (BN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM FREQ (F)	
	X	X	X	HV-8812B (MOTOR) RHR PUMP SUCTION ISOLATION VALVE	X		73	1109	1968'-1"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	HV-3 (MOTOR) CONTAINMENT SPRAY PUMP SUCTION ISO. VALVE		X	19	1110	1971'-11"	M225	1	C		4.5 (6)				X		(2)
	X	X	X	HV-8812A (MOTOR) RHR PUMP SUCTION ISOLATION VALVE	X		73	1111	1968'-1"	1	3,4	C	(7)	(7)	(7)	X				(4)
		X	X	HV-4 (MOTOR) CONTAINMENT SPRAY PUMP SUCTION ISO. VALVE		X	19	1112	1971'-11"	M225	1	C		4.5 (6)				X		(2)
		X	X	HV-8806A (MOTOR) SAFETY INJECT PUMP SUCTION ISO. VALVE	X		73	1113	1984'-6"	1	3,4	C	(7)	(7)	(7)	X				(4)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: BORATED REFUELING WATER STORAGE (BN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)		
													OBE	SSE		STAT	DYN	TEST	COM		
X	X	X	X	LCV-112D (MOTOR) CHARGING PUMP SUCTION VALVE	X		73	1114	1975'-6"	1	3,4	C	(7)	(7)	(7)	X				(1)	(4)

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (EF)

FUNCTION (A)					EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	L	A	MSLB		NSSS	BOP	VENDOR (I)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREO (F)		
X	X	X	X		HV-25 (MOTOR) SERVICE WATER ISO. VALVE		X	18	3101	1976'-0"	M235	1	C	-	4.5 (2)	-			X		(1)	M235, App. I
X	X	X	X		HV-23 (MOTOR) SERVICE WATER ISO VALVE		X	18	3101	1976'-0"	M235											
X	X	X	X		HV-51 (MOTOR) CCW ISO. VALVE		X	20	1406	2029'-1"	M236		NC	(4)	(4)	(4)					(7)	M236, App. I
X	X	X	X		HV-59 (MOTOR) CCW ISO. VALVE		X	20	1406	2029'-2"	M236											
X	X	X	X		HV-31 (MOTOR) CONTAINMENT COOLER ISOLATION VALVE		X	20	1323	2003'-3"	M237											M237, App. I
X	X	X	X		HV-33 (MOTOR) CONTAINMENT COOLER ISOLATION VALVE		X	20	2000	2009'-10"	M237											

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

DOCKET NO.: STN 50-482
STN 50-483

PLANT NAME: SNUPPS

A/E: BECHTEL POWER CORPORATION

NSSS: WESTINGHOUSE
SAFETY SYSTEM: ESSENTIAL SERVICE WATER (ESW)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN		LOAD INPUT (E)			QUALIFICATION METHOD			FLOOR RESPONSE SPECTRA T_j , NO. (G)
HSD	LSD	LOCA	MSLB		NSSS	BOP	VENDOR (I)	ROOM NO.	ELEV. (R)	IDENT (H)	CODES/STANDARDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) (I) TEST COMPREO (F)	NATL (I) (I) TEST COMPREO (F)	
X	X	X	X	HV-45 (MOTOR) CONTAINMENT COOLER ISOLATION VALVE	X	X	20	2000	2009'-10"	M237	1	NC	(4)	(4)	(4)	X	(7)	M237, App. I
X	X	X	X	HV-49 (MOTOR) CONTAINMENT COOLER ISOLATION VALVE	X	X	20	1323	2002'-0"	M237								
X	X	X	X	HV-47 (MOTOR) CONTAINMENT COOLER ISOLATION VALVE	X	X	20	1323	2002'-0"	M237								
X	X	X	X	HV-43 (AIR) AIR COMPRESSOR ISO. VALVE	X	X	55	1320	2002'-0"	J601A				(2)	X			J601A, App. M
X	X	X	X	V-046 (CHECK) AIR COMPRESSOR ISO. VALVE	X	X	21	1320	2002'-0"	M223C								(5)

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
X	X	X	X	HV-87 (SOLENOID) RADIATION MONITOR ISOLATION VALVE		Z	57	3101	1977'-0"	J603A	1	NC		(2)	X		X		(1)	J603A, App. J
X	X	X	X	HV-41 (MOTOR) SERVICE WATER ISOLATION VALVE		X	18	3101	1976'-0"	M235		C	-	4.5 (2)			X			M235, App. I
X	X	X	X	HV-39 (MOTOR) SERVICE WATER ISOLATION VALVE		X	18	3101	1976'-0"											
X	X	X	X	HV-37 (MOTOR) ULTIMATE HEAT SINK ISOLATION VALVE		X	18	3101	1979'-6"											
X	X	X	X	HV-26 (MOTOR) SERVICE WATER ISOLATION VALVE		X	18	3101	1976'-0"											

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA NO. (C)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COMB	NATL FREQ (F)	
X	X	X	X	HV-24 (MOTOR) SERVICE WATER ISOLATION VALVE		X	18	3101	1976'-0"	M235	1	C	-	4.5 (2)				X	(1)	M235, App. I
X	X	X	X	HV-44 (AIR) AIR COMPRESSOR ISOLATION VALVE		X	55	1320	2002'-0"	J601A	1	NC		(2)	X			X	(7)	J601A, App. M
X	X	X	X	V-076 (CHECK) AIR COMPRESSOR ISOLATION VALVE		X	21	1320	2002'-0"	M223C	-	-	-	-	-	-	-	-	-	(5)
X	X	X	X	HV-32 (MOTOR) CONTAINMENT COOLER ISOLATION VALVE		X	18	1322	2003'-3"	M235	1	C	-	4.5 (2)				X	(1)	M235, App. I
X	X	X	X	HV-34 (MOTOR) CONTAINMENT COOLER ISOLATION VALVE		X	20	2000	2009'-10"	M237	1	NC	(4)	(4)	(4)				(7)	M237, App. I

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL FREQ (F)	
X	X	X	X	HV-46 (MOTOR) CONTAINMENT COOLER ISOLATION VALVE		X	20	2000	2009'-10"	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I
X	X	X	X	HV-50 (MOTOR) CONTAINMENT COOLER ISOLATION VALVE		X	20	1322	2003'-3"	M-237										
X	X	X	X	HV-48 (MOTOR) CONTAINMENT COOLER ISOLATION VALVE		X	20	1322	2003'-3"	M237										
X	X	X	X	HV-52 (MOTOR) CCW ISO. VALVE		X	20	1401	2029'-1"	M236										M236, App. I
X	X	X	X	HV-60 (MOTOR) CCW ISO. VALVE		X	20	1401	2029'-2"	M236										
X	X	X	X	HV-88 (SOLENOID) RADIATION MONITOR ISOLATION VALVE		X	55	3101	1979'-6"	J603A				(2)	X				(1)	J603A, App. J

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (R)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) CONF	NATL FREQ (F)	
X	X	X	X	HV-42 (MOTOR) SERVICE WATER ISOLATION VALVE		X	18	3101	1976'-0"	M235	1	C	-	4.5 (2)				X	(1)	M235, App. I
X	X	X	X	HV-40 (MOTOR) SERVICE WATER ISOLATION VALVE		X	18	3101	1976'-0"	M235			-							
X	X	X	X	HV-38 (MOTOR) ULTIMATE HEAT SINK ISOLATION VALVE		X	18	3101	1979'-6"	M235			-							
X	X	X	X	PDT-43 ESW TRAIN A ISO. FROM AIR COMPRESSOR		X	47	1320	2002'-9"	J8				4.4	X				(7)	J820
X	X	X	X	PDT-44 ESW TRAIN B ISO. FROM AIR COMPRESSOR		X	47	1320	2002'-9"											

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (WOLF CREEK) (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA I NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I) TEST	(I) COMB		NATL FREQ (F)
													OBE	SSE		STAT	DYN				
X	X	X	X	PEF01A ESW PUMP A		X	26	K105	2003'-6"	M089	1	C	.42H .13V	.69H .24V			X			(1,2)	10466-C-E01B,E01S, U4P02B, U4P02S
X	X	X	X	PEF01B ESW PUMP B		X	26	K104	2003'-6"	M089			↓	↓			↓			↓	
X	X	X	X	HV97 (MOTOR) ESW PUMP A VENT VALVE		X	21	K105	2001'-0"	M223C			↓	4.5 (6)					X	(1)	(2)
X	X	X	X	HV98 (MOTOR) ESW PUMP B VENT VALVE		X	21	K104	2001'-0"				↓	↓						↓	
X	X	X	X	HV91 (MOTOR) TRAVELING WATER SCREEN A SPRAY VALVE		X	21	K105	2010'-10"				↓	↓						↓	↓

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (WOLF CREEK) (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR R SPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I) TEST	(I) COM	NATL FREO (F)		
X	X	X	X	HV92 (MOTOR) TRAVELING WATER SCREEN B SPRAY VALVE		X	21	K104	2010'-10"	M223C	1	C		4.5 (6)					X	(1)	(2)
X	X	X	X	FEFO1A TRAVELING WATER SCREEN A		X	14	K105	2003'-5½"	M020	2		1.8H 1.2V	SH 2V		X	X			(1,2)	
X	X	X	X	FEFO1B TRAVELING WATER SCREEN B		X	14	K104	2003'-5½"	M020	2						↓			↓	
X	X	X	X	DFFEO1A TRAVELING WATER SCREEN A MOTOR		X	14	K105	2009'-4½"	M020	1									(1)	
X	X	X	X	DFFEO1B TRAVELING WATER SCREEN B MOTOR		X	14	K104	2009'-4½"	M020	1	↓	↓	↓		↓				(1)	

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NESS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (WOLF CREEK) (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREO (F)	
X	X	X	X	FEF02A SELF-CLEANING STRAINER A		X	15	K105	2003'-6"	M154	2	C	1.8H 1.2V	3H 2V		X			(1)	10882-C-N4P, 01B, 02B, 03B, 04B, 01S, 02S, 03S, 04S
X	X	X	X	FEF02B SELF-CLEANING STRAINER B		X	15	K104	2003'-6"	M154	2	C	↓	↓		↓			↓	
X	X	X	X	DFF02A SELF-CLEANING STRAINER A MOTOR		X	15	K105	2003'-6"	M154	1	C	3H 3V	3H 3V			X	(2)		
X	X	X	X	DFF02B SELF-CLEANING STRAINER B MOTOR		X	15	K104	2003'-6"	M154	1	C	3H 3V	3H 3V			X	(2)		
X	X	X	X	PDV19 (MOTOR) STRAINER A TRASH VALVE		X	21	K105	2003'-6"	M223C	1	C	-	4.5 (6)			X	(1)	(3)	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (WOLF CREEK) (EF)

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (WOLF CREEK) (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL(I) STAT	(I) DYN	(I) TEST	NATL COM FREQ (F)	
X	X	X	X	PT1 ESW PUMP A DISCHARGE PRESSURE		X	47	K105	2003'-4"	J301	1	C		4.4	X			X	(7)	J820
X	X	X	X	PT2 ESW PUMP B DISCHARGE PRESSURE		X	47	K104	2003'-4"											
X	X	X	X	PDT19 STRAINER A DIFFERENTIAL PRESSURE TRANSMIT.		X	47	K105	2003'-0½"											
X	X	X	X	PDT20 STRAINER B DIFFERENTIAL PRESSURE TRANSMIT.		X	47	K104	2003'-0½"											

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (WOLF CREEK) (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)		
X	X	X	X	1FEFO3A ESW PRE- LUBE STD TK FILTER TRAIN A		X	67	K105	2018'3"	M105B	2	C	0.48H 0.42V	0.7H 0.65V		X				(1)	10736-C-R4P03S 10736-C-R4P03B
X	X	X	X	1FEFO3B ESW PRE- LUBE STD TK FILTER TRAIN B		X	67	K104	2018'3"	M105B	2	C	0.48H 0.42V	0.7H 0.65V		X				(1)	10736-C-R4P03S 10736-C-R4P03B

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (CALLAWAY) (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA ORZ	SSE	DYN	ANAL (I) STAT DYN	(J) TEST	(J) COMB	NATL FREQ (F)	
X	X	X	X	PEF-1A ESW PUMP A		X	26	U104	2003'-6"	M089	1	C	.42H .13V	.69H .24V		X			(1,2)	10466-C-E01B,01S 10466-C-U4P02B, 10466-C-U4P02S
X	X	X	X	PEF01B ESW PUMP B		X	26	U105	2003'-6"	↓	↓	↓	↓	↓		↓			↓	↓
X	X	X	X	HV97 (MOTOR) ESW PUMP A VENT VALVE		X	21	U104	2001'-0"	M223C	↓	↓	-	4.5 (6)			X	(1)	↓	(2)
X	X	X	X	HV98 (MOTOR) ESW PUMP B VENT VALVE		X	21	U105	2001'-0"	↓	↓	↓	↓	↓			↓		↓	↓
X	X	X	X	HV65 (MOTOR) UHS COOLING TOWER BYPASS		X	18	U302	2003'-3"	M235	↓	↓	↓	4.5 (2)			X		↓	M235, App. I
X	X	X	X	HV66 (MOTOR) UHS COOLING TOWER BYPASS		X	18	U305	2003'-3"	↓	↓	↓	↓	↓			↓		↓	↓

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (CALLAWAY) (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA 1. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC OBE	ZPA SSE	DYN	ANAL (I) STAT DYN	(I) TEST	(I) COMB	NATL FREQ (F)	
X	X	X	X	DCEFO1A UHS COOLING TOWER FAN MOTOR A		X	16	U306	2038'-9"	M015	↓	C	1.8H 1.2V	3H 2V		X			(1)	10466-C-U4H-00B, 01B, 02B, 03B, 04B, 05B, 00B, 01S, 02S, 03S, 04S, 05S
X	X	X	X	DCEFO1B UHS COOLING TOWER FAN MOTOR B		X	16	U307	2038'-9"	M015	↓									
X	X	X	X	DCEFO1C UHS COOLING TOWER FAN MOTOR C		X	16	U306	2038'-9"	M015	↓									
X	X	X	X	DCEFO1D UHS COOLING TOWER FAN MOTOR D		X	16	U307	2038'-9"	M015	↓									
X	X	X	X	DCEFO2A SELF-CLEANING STRAINER A MOTOR		X	16	U104	2003'-6"	M154	↓							X	(2)	10882-C-N4P01B, 02B, 03B, 04B, 01S, 02S, 03S, 04S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (CALLAWAY) (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA I ¹ NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)		
													OBE	SSE		STAT	DYN	TEST	CONF		
X	X	X	X	DFEF02B SELF-CLEANING STRAINER B MOTOR		X	15	U105	2003'-6"	M154	1	C	3H 3V	3H 3V				X		(2)	10882-C-N4P01B, 02B,03B,04B,01S, 02S,03S,04S
X	X	X	X	PDV19 (MOTOR) STRAINER A TRASH VALVE		X	21	U104	2003'-6"	M223C	1	C		4.5 (6)					X	(1)	(2)
X	X	X	X	PDV20 (MOTOR) STRAINER B TRASH VALVE		X	21	U105	2003'-6"	M223C	1	C		4.5 (6)					X	(1)	(2)
X	X	X	X	FEF02A SELF-CLEANING STRAINER A		X	15	U104	2003'-6"	M154	2	C	1.8H 1.2V	3H 2V		X				(1)	10882-C-N4P01B, 02B,03B,04B,01S, 02S,03S,04S
X	X	X	X	FEF02B SELF-CLEANING STRAINER B		X	15	U105	2003'-6"	M154	2	C	↓	↓		↓			↓		10882-C-N4P01B, 02B,03B,04B,01S, 02S,03S,04S

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (CALLAWAY) (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I) TEST	(I) COM		NATL FREQ (F)
X	X	X	X	PDT19 STRAINER A DIFFERENTIAL PRESSURE TRANSMIT.		X	47	U104	2003'-0 1/2"	J301	1	C		4.4	X			X		(7)	J820
X	X	X	X	PDT20 STRAINER B DIFFERENTIAL PRESSURE TRANSMIT.		X	47	U105	2003'-0 1/2"	J301	1	C		4.4	X			X		(7)	J820
X	X	X	X	TE67A UHS COOLING TOWER BYPASS TEMP. ELEMT.		X	54	3101	1979'-6"	J558B	1	NC		4.0	X			X		(7)	J820
X	X	X	X	TE68A UHS COOLING TOWER BYPASS TEMP. ELEMT.		X	54	3101	1979'-6"	J558B	1	NC		4.0	X			X		(7)	J820
X	X	X	X	PT1 ESW PUMP A DISCHARGE PRESSURE		X	47	U104	2003'-4"	J301	1	C		4.4	X			X		(7)	J820

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: ESSENTIAL SERVICE WATER (CALLAWAY) (EF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)		
X	X	X	X	PT2 ESW PUMP B DISCHARGE PRESSURE		X	47	U105	2003'-4"	J301	1	C		4.4	X			X	(7)	J820	
X	X	X	X	V001 (CHECK) ESW PUMP A DISCHARGE PRESSURE		X	68	U104	2003'-4"	M223B	-	-	-	-	-	-	-	-	-	(5)	
X	X	X	X	V004 (CHECK) ESW PUMP B DISCHARGE PRESSURE		X	68	U105	2003'-4"	M223B	-	-	-	-	-	-	-	-	-	(5)	
X	X	X	X	2FEFO3A ESW PRE- LUKE STD TK FILTER TRAIN A		X	67	U104	2018'3"	M105B	2	C	0.48H 0.42V	0.7H 0.65V		X			(1)	10736-C-R4P03S 10736-C-R4P03B	
X	X	X	X	2FEFO3B ESW PRE- LUKE STD TK FILTER TRAIN B		X	67	U105	2018'3"	↓	↓	↓	↓	↓		↓			↓	↓	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CIT POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPONENT COOLING WATER (EG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					'FLOOR :PONSE 'ECTRA NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) CONF	NATL FREQ (F)		
X	X	X	X	TEG01A CCW SURGE TANK A		X	6	1503	2048'	M105A	2	C	0.55H 0.35V	0.87H 0.55V		X			(1)	10466-C-04A05B 10466-C-04A05B	
X	X	X	X	LT-1 CCW SURGE TANK A LEVEL		X	47	1503	2051'8 1/2"	J301	1	C		4.4	X		X		(7)	J820	
X	X	X	X	HV-11 (MOTOR) EMERGENCY MAKEUP WATER TRAIN A		X	22	1406	2029'1"	M231B	1	C		4.5 (2)				X	(1)	M231B, App. I	
X	X	X	X	HV-13 (MOTOR) EMERGENCY MAKEUP WATER TRAIN A		X	22	1406	2029'1"	M231B	1	C		4.5 (2)				X	(1)	M231B, App. I	
X	X	X	X	PEG01A CCW PUMP A TRAIN A		X	2	1406	2028'10"	M082	2	C	1.8H 1.2V	3.0H 2.0V			X	X	(1)	10466-C-04A04B, 10466-C-04A04S	
X	X	X	X	V-003 (CHECK) CCW PUMP A DISCHARGE		X	19	1406	2028'10"	M223A	-	-	-	-	-	-	-	-	-	(5)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPONENT COOLING WATER (CC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREO (F)		
X	X	X	X	PEGO1C CCW PUMP C TRAIN A		X	2	1406	2028'10"	M082	2	C	1.8H 1.2V	3.0H 2.0V			X		X	(1)	10466-C-04A04S 10466-C-04A04B
X	X	X	X	V-007 (CHECK) CCW PUMP C DISCHARGE		X	19	1406	2028'10"	M223A	-	-	-	-	-	-	-	-	-	-	(5)
X	X	X	X	EEG01A CCW HEAT EXCHANGE A TRAIN A		X	66	1406	2034'	M072	2	C	.41H .29V	.61H .46V		X			X	(1)	10466-C-04A04S 10466-C-04A04B
X	X	X	X	TV-29 (AIP) TEMPERATURE CONTROLLED BYPASS VALVE		X	38	1406	2039'3 1/2"	J605A	1	NC		(2)	X			X		(7)	J605A, App. H
X	X	X	X	TE-31 TRAIN A OUTLET TEMP		X	54	1406	2042'	J588B	1	NC		4.09	X			X		(7)	J820
	X	X		HV-101 (MOTOR) RHR INLET CCW ISOLATION VALVE		X	20	1310	2038'8"	M236	1	NC	(4)	(4)	(4)		X		(7)	M236, App. I	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

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SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPONENT COOLING WATER (EG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I) TEST	(I) COMB	NATL FREO (F)	
													OBE	SSE		STAT	DYN				
X	X	X	X	PEGO1D CCW PUMP D TRAIN B		X	6	1401	2028'10"	M082	2	C	1.8H 1.2V	3.0H 2.0V			X		X	(1)	10466-C-04A04S 10466-C-04A04B
X	X	X	X	V-016 (CHECK) CCW PUMP D DISCHARGE		X	19	1401	2028'10"	M223A	-	-	-	-	-	-	-	-	-	-	(5)
X	X	X	X	EEGO1B CCW HEAT EXCHANGER B TRAIN B		X	66	1401	2034'	M072	2	C	.41H .29V	.61H .46V		X			X	(1)	10466-C-04A04S 10466-C-04A04B
X	X	X	X	TV-30 (AIR) TEMP. CONTROL BYPASS VALVE		X	58	1401	2039'3 1/4"	J605A	1	NC		(2)	X			X		(7)	J605A, App. M
X	X	X	X	TE-32 TRAIN B OUTLET TEMP.		X	54	1401	2031'3"	J558B		NC		4.0	X			X		(7)	J820
	X	X		HV-102 (MOTOR) RHR B INLET CCW ISOLATION VALVE		X	20	1402	2028'3"	M236	1	NC	(4)	(4)	(4)			X		(7)	M236, App. I

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
 DOCKET NO.: STN 50-482
 STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
 UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPONENT COOLING WATER (EC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
	X			HV-53 (MOTOR) TRAIN A CCW TO COMMON HEADER		X	20	1406	2028'6"	M236	1	NC	(4)	(4)	(4)			X	(7)	M236, App. I
	X			V-036 (CHECK) TRAIN A CCW TO COMMON HEADER		X	68	1406	2028'6"	M223B	-	-	-	-	-	-	-	-	-	(5)
	X			HV-54 (MOTOR) TRAIN B CCW TO COMMON HEADER		X	20	1401	2030'6"	M236	1	NC	(4)	(4)	(4)			X	(7)	M236, App. I
	X			V-061 (CHECK) TRAIN B CCW TO COMMON HEADER		X	68	1401	2034'6"	M223B	-	-	-	-	-	-	-	-	-	(5)
		X	X	HV-71 (MOTOR) ISO. VALVE CCW SUPPLY TO RC PUMP		X	19	1323	2002'	M223A	1	C		4.5 (6)				X	(1)	(2)
		X	X	HV-58 (MOTOR) CONT. ISO. VALVE CCW SUPPLY TO RC PUMP		X	19	1323	2002'	M223A	1	C		4.5 (6)				X	(1)	(2)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPONENT COOLING WATER (EG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA			ANAL. (I)		(I)	NATL TEST COM FREQ (F)		
												OBE	SSE	DYN	STAT	DYN					
		X	X	V-204 (CHECK) CONT. ISO. VALVE CCW SUPPLY TO RC PUMP		X	68	2000	2005'6"	M223B	-	-	-	-	-	-	-	-	(5)		
		X	X	HV-62 (MOTOR) CONT. ISO. VALVE CCW RETURN FROM RC PUMP THERMAL BARRIER		X	21	2000	2005'6"	M224B	1	C		4.5 (6)				X	(1)	(2)	
		X	X	HV-61 (MOTOR) CONT. ISO. VALVE CCW RETURN FROM RC PUMP THERMAL BARRIER		X	21	1323	2002'6"	M223C											
		X	X	HV-60 (MOTOR) RC PUMP CCW RETURN CONT. ISOLATION		X	19	2000	2005'6"	M223A											
		X	X	HV-59 (MOTOR) RC PUMP CCW RETURN CONT. ISOLATION		X	19	1323	2002'6"	M223A	↓	↓		↓				↓	↓	↓	

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPONENT COOLING WATER (EG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL FREQ (F)	
	X	X		HV-69A (AIR) NON-ESF ISOLATION		X	58	1314	2017'	J605A	1	NC		(2)	X			X	(7)	J605A, App. M
	X	X		HV-69B (AIR) NON-ESF ISOLATION		X	58	1314	2017'	J605A	1	NC		(2)	X			X	(7)	J605A, App. M
	X	X		HV-70A (AIR) NON-ESF ISOLATION		X	58	1314	2017'	J605A	1	NC		(2)	X			X	(7)	J605A, App. M
	X	X		HV-70B (AIR) NON-ESF ISOLATION		X	58	1314	2017'	J605A	1	NC		(2)	X			X	(7)	J605A, App. M
X	X	X	X	PT-77 CCW TRAIN A HEADER PRESSURE		X	47	1406	2030'11"	J301	1	C		4.4	X			X	(7)	J820
X	X	X	X	PT-78 CCW TRAIN B HEADER PRESSURE		X	47	1401	2030'5"	J301	1	C		4.4	X			X	(7)	J820

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPONENT COOLING WATER (EG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COMB	NATL FREQ (F)	
	X			HV-15 (MOTOR) CCW COMMON HEADER RETURN ISO. TRAIN A		X	20	1406	2028'6"	M236	1	NC	(4)	(4)	(4)		X		(7)	M236, App. I
	X			V-130 (CHECK) CCW COMMON HEADER RETURN ISO. TRAIN A		X	68	1406	2028'6"	M223B	-	-	-	-	-	-	-	-	-	(5)
	X			HV-16 (MOTOR) CCW COMMON HEADER RETURN ISO. TRAIN B		X	20	1401	2028'6"	M236	1	NC	(4)	(4)	(4)		X		(7)	M236, App. I
	X			V-131 (CHECK) CCW COMMON HEADER RETURN ISO. TRAIN B		X	68	1401	2028'6"	M223B	-	-	-	-	-	-	-	-	-	(5)
X	X			HV-130 (MOTOR) HV-60 BYPASS VALVE		X	19	2000	2003'2"	M223A	1	C		4.5 (6)				X	(1)	(2)
X	X			HV-131 (MOTOR) HV-59 BYPASS VALVE		X	19	1323	2002'6"	M223A	1	C		4.5 (6)				X	(1)	(2)

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER & LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPONENT COOLING WATER (EG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL. (I)		(I)	(I)		NATL TEST COM FREQ (F)
													OBE	SSE	DYN	STAT	DYN	TEST	COM	FREQ (F)	
X	X			HV-132 (MOTOR) HV-62 BYPASS VALVE		X	21	2000	2005'6"	M224B	1	C		4.5 (6)					X	(1)	(2)
X	X			HV-133 (MOTOR) HV-61 BYPASS VALVE		X	21	1323	2002'6"	M223C											
X	X			HV-127 (MOTOR) HV-58 BYPASS VALVE		X	19	1323	2002'	M223A											
X	X			HV-126 (MOTOR) HV-71 BYPASS VALVE		X	19	1323	2002'												
X	X			FT-128 CCW TO CONTAINMENT		X	47	1323	2004'2½"	J301	1	C		4.4	X			X		(7)	J820
X	X			FT-129 CCW TO CONTAINMENT		X	47	1323	2004'2½"												
X	X	X	X	FT-62 RCP THERMAL BARRIER RETURN		X	47	1323	2002'2½"												

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPONENT COOLING WATER (EG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL(I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
				V-159 SURGE TANK PRESSURE RELIEF VALVE	X	61	1503	2067'6½"	M-141	2	C	4.5H 4.5V	4.5H 4.5V		X				(1)	(2)
				V-170 SURGE TANK PRESSURE RELIEF VALVE	X	61	1502	2067'6½"												
				V-024 CCW HEAT EXCHANGER RELIEF VALVE (THERMAL RLF)	X	61	1406	2038'¼"												
				V-027 CCW HEAT EXCHANGER RELIEF VALVE (THERMAL RLF)	X	61	1406	2038'1¼"												
				V-049 CCW HEAT EXCHANGER RELIEF VALVE (THERMAL RLF)	X	61	1401	2038'¾"												

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPONENT COOLING WATER (EG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLR		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)		
				V-052 CCW HEAT EXCHANGER RELIEF VALVE (THERMAL RLF)		X	61	1401	2038'1½"	M-141	2	C	4.5H 4.5V	4.5H 4.5V		X			(1)	(2)	
				V-305 SURGE TANK RELIEF VALVE (VACUUM RELIEF)		X	61	1503	2067'6"	↓	↓	↓	↓	↓		↓			↓	↓	
				V-306 SURGE TANK RELIEF VALVE (VACUUM RELIEF)		X	61	1502	2067'6"	↓	↓	↓	↓	↓		↓			↓	↓	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: RESIDUAL HEAT REMOVAL (EJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO.
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (I) STAT DYN	(I) TEST DYN	(I) COM TEST	NATL FREQ (F)	
	X			HV-8701A (MOTOR) RHR SHUTDOWN LINE LOOP A	X		73	2000	2009'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
	X			HV-8701B (MOTOR) RHR SHUTDOWN LINE LOOP B	X		73	2000	2009'6"											
		X		HV-8811A (MOTOR) CONT. RECIRC. PUMP ISOLATION VALVE	X		73	1204	1993'7"											
		X		HV-8811B (MOTOR) CONT. RECIRC. PUMP ISOLATION VALVE	X		73	1203	1993'7"											
	X	X		8958A (CHECK) RHR SUCTION LINE FROM RWST	X		73	1111	1968'1"											

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: RESIDUAL HEAT REMOVAL (EJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NAIL COM (F)	
	X	X		8958B (CHECK) RHR SUCTION LINE FROM RWST	X		73	1109	1968'1"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
	X	X		PEJ01A RHR PUMP A	X		73	1111	1971'9½"	237013 AE-2	3,4	C	(3)	(3)	(3)	X			(1)	(6)
	X	X		PEJ01B RHR PUMP B	X		73	1109	1971'9½"	237013 AE-2	3,4	C	↓	↓	↓	X			(1)	↓
	X	X		FCV-610 (MOTOR) MINI FLOW RETURN LINE LOOP A	X		73	1111	1968'1"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
	X	X		FCV-611 (MOTOR) MINI FLOW RETURN LINE LOOP B	X		73	1109	1968'1"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
	X	X		HV-14 (SOLENOID) SAMPLE VALVE - MINI FLOW LINE LOOP A		X	57	1310	2001'3"	J603A	1	NC		(2)	X		X		(1)	J603A, App. J

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CIT POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: RESIDUAL HEAT REMOVAL (EJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA			ANALYSIS		TEST		NATL FREQUENCY (F)	
													OBE	SSE	DYN	STAT	DYN	TEST	COMP		
	X	X		HV-15 (SOLENOID) SAMPLE VALVE - MINI FLOW LINE LOOP A		X	57	1309	2001'3"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J	
	X	X		EEJ01A RHR HEAT EXCHANGER A	X		73	1310	2004'	240503	3,4	C	(3)	(3)	(3)	X			(1)	(6)	
	X	X		EEJ01B RHR HEAT EXCHANGER B	X		73	1304	2004'	240503	3,4	C	↓	↓	↓	X			(1)	↓	
	X			V-001 (MANUAL) BLEED LINE TO CVCS LOOP A		X	65	1310	2002'3½"	M231A	-	-	--	-	-	-	-	-	-	(5)	
	X			V-002 (MANUAL) BLEED LINE TO CVCS LOOP B		X	65	1309	2002'3½"	M231A	-	-	.	-	-	-	-	-	-	(5)	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER
UNION ELECTRIC COMPANY

SAFETY SYSTEM: RESIDUAL HEAT REMOVAL (EJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT(E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREO (F)	
	X	X		8730A (CHECK) RHR HEAT EXCHANGE OUTLET LOOP A	X		73	1317	2001'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
	X	X		8730B (CHECK) RHR HEAT EXCHANGE OUTLET LOOP B	X		73	1309	2001'6"	↓	↓	↓	↓	↓	↓	↓			↓	
	X	X		HV-8809A (MOTOR) ISO. VALVE TO COLD LEG RCS LOOPS 1 & 2	X		73	1323	2002'	↓	↓	↓	↓	↓	↓	↓			↓	
	X	X		HV-8809B (MOTOR) ISO. VALVE TO COLD LEG RCS LOOPS 3 & 4	X		73	1322	2002'6"	↓	↓	↓	↓	↓	↓	↓			(3)	
		X		8804A (MOTOR) FEED TO CHARGING/ SI PUMP SUCTIONS	X		73	1310	2001'6"	↓	↓	↓	↓	↓	↓	↓			(1)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: RESIDUAL HEAT REMOVAL (EJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA I. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)	
		X		8969A (CHECK) FEED TO CHARGING/ SI PUMP SUCTIONS	X		73	1310	2001'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X		8804B (MOTOR) FEED TO CHARGING/ SI PUMP SUCTIONS	X		73	1108	1976'10½"	↓	↓	↓	↓	↓	↓	↓			↓	↓
		X		8969B (CHECK) FEED TO CHARGING/ SI PUMP SUCTIONS	X		73	1108	1976'10½"	↓	↓	↓	↓	↓	↓	↓			↓	↓
		X		8716A (MOTOR) INJECTION BALANCE LINE/HOT LEG FEED LINE	X		73	1310	2001'6"	↓	↓	↓	↓	↓	↓	↓			↓	↓
		X		8716B (MOTOR) INJECTION BALANCE LINE/HOT LEG FEED LINE	X		73	1309	2001'6"	↓	↓	↓	↓	↓	↓	↓			↓	↓

DOCKET NO. : STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: RESIDUAL HEAT REMOVAL (EJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA 1 NO. (G)
HSD	CSD	LOCAL	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA			ANAL STAT	(I) DYN	(I) TEST	(I) COMFREQ (F)	
													OBE	SSE	DYN					
		X		8840 (MOTOR) ISO. VALVE TO HOT LEG RCS LOOPS 2 & 3	X		73	1322	2002'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X		8841A (CHECK) RCS BOUNDARY VALVE - RCS LOOP 2	X		73	2000	2010'											
		X		8841B (CHECK) RCS BOUNDARY VALVE - RCS LOOP 2	X		73	2000	2010'											
		X		HCV-8825 (AIR) TEST LINE ISO. HOT LEG INJECT. LINE	X		73	2000	2005'6"											
	X	X		HCV-8890A (AIR) SI TEST LINE ISO.	X		73	2000	2013'6"											
	X	X		HCV-8890B (AIR) SI TEST LINE ISO.	X		73	2000	2002'6"											

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CIT POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: RESIDUAL HEAT REMOVAL (EJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (E)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)		
													OBE	SSE		STAT	DYN	TEST	COM		
		X		LT-8 CONT. RECIRC SUMP LEVEL		X	52	220.	2052'5"	J481	1	NC		2.0	X			X		(7)	J820
	X	X		FIS 610 RHR PUMP A MIN. FLOW	X		73	1301	2003'1"	237013	3,4	C	(3)	(3)	(3)	X				(1)	(6)
	X	X		FIS 611 RHR PUMP B MIN. FLOW	X		73	1301	2003'3"	237013	3,4	C	↓	↓	↓	X				(1)	↓

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: RESIDUAL HEAT REMOVAL (EJ)

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SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: HIGH-PRESSURE COOLANT INJECTION (EM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL REQ (F)	
		X		HV-8924 (MOTOR) CROSSOVER RHR HEAT EXCHANGE TO CVCS CHARGING PUMP AND SI PUMP A	X		73	1108	1975'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X		HV-8807B CROSSOVER RHR HEAT EXCHANGER TO CVCS CHARGING PUMP AND SI PUMP A	X		73	1108	1977'3"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X		HV-8807A CROSSOVER RHR HEAT EXCHANGE TO CVCS CHARGING PUMP AND SI PUMP A	X		73	1113	1976'10 $\frac{1}{2}$ "	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	HV-8923A (MOTOR) SUCTION FROM RWST TO SI PUMP A	X		73	1113	1976'10 $\frac{1}{2}$ "	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: HIGH-PRESSURE COOLANT INJECTION (EM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (I)	(I)	(I)	NATL FREQ (F)	
		X	X	8926A (CHECK) SUCTION FROM RWST TO SI PUMP A	X		73	1113	1976'10 1/2"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	PEM01A SI PUMP A	X		73	1113	1977'4"	236983 AE-2	3,4	C	(3)	(3)	(3)	X			(1)	(6)
		X	X	HV-8923B (MOTOR) SUCTION FROM RWST TO SI PUMP B	X		73	1108	1976'10 1/2"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	8926B (CHECK) SUCTION FROM RWST TO SI PUMP B	X		73	1108	1976'10 1/2"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	PEM01B SI PUMP B	X		73	1108	1977'4"	236983 AE-2	3,4	C	(3)	(3)	(3)	X			(1)	(6)
		X		HV-8814A (MOTOR) ISO. VALVE MINIFLOW LINE OF SI PUMP A	X		73	1113	1978'2"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSE	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	(I) COM	NATL FREO (F)	
		X		HV-8814B (MOTOR) ISO. VALVE MINIFLOW LINE OF SI PUMP B	X		73	1113	1976'	1	3,4	C	(7)	(7)	(7)	X				(1)	(4)
		X		V005 (CHECK) IN MINIFLOW LINE FROM SI PUMP A		X	62	1113	1978'2"	M231C	-	-	-	-	-	-	-	-	-	(5)	
		X	X	V007 (CHECK) IN MINIFLOW LINE FROM SI PUMP B		X	62	1112	1976'	M231C	-	-	-	-	-	-	-	-	-	(5)	
		X	X	8922A (CHECK) DISCHARGE SI PUMP A	X		73	1113	1976'11"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
		X	X	8922B (CHECK) DISCHARGE SI PUMP B	X		73	1108	1976'11"	↓	↓	↓	↓	↓	↓	↓			↓	↓	
		X		HV-8888 (AIR) ACC. FILL LINE CONTAINMENT ISO. VALVE	X		73	1322	2013'6"	✓	✓	✓	✓	✓	✓	✓			✓	✓	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: HIGH-PRESSURE COOLANT INJECTION (EM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COMF	NATL FREQ (F)	
		X		V006 (CHECK) ACC. FILL LINE CONTAINMENT ISO. VALVE		X	62	2000	2013'6"	M231C	-	-	-	-	-	-	-	-	-	(5)
		X	X	HV-8821A (MOTOR) SI PUMP A DISCHARGE TO RCS COLD LEGS	X		73	1113	1976'11"	↓	3,4	C	(7)	(7)	(7)	X		(1)	(4)	
		X	X	HV-8821B (MOTOR) SI PUMP B DISCHARGE TO RCS COLD LEGS	X		73	1108	1976'11"	↓			↓	↓	↓	↓				
		X	X	HV-8835 (MOTOR) SI PUMPS A & B DISCHARGE TO RCS COLD LEGS	X		73	1322	2002'	↓			↓	↓	↓	↓				
		X		HV-8802A (MOTOR) SI PUMP A DISCHARGE TO HOT LEGS 2 & 3	X		73	1323	2002'	↓			↓	↓	↓	↓				

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: HIGH-PRESSURE COOLANT INJECTION (EM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	(I) COM	NATL FREO (F)	
		X		HV-8802B (MOTOR) SI PUMP B DISCHARGE TO HOT LEGS 1 & 4	X		73	1322	2002'	1	3,4	C	(7)	(7)	(7)	X				(1)	(4)
		X		V001 (CHECK) CONTAINMENT ISO.		X	62	2000	2005' 10 1/2"	M231C	-	-	-	-	-	-	-	-	-	-	(5)
		X		V002 (CHECK) CONTAINMENT ISO.		X	62	2000	2002'												
		X		V003 (CHECK) CONTAINMENT ISO.		X	62	2000	2002' 6"												
		X		V004 (CHECK) CONTAINMENT ISO.		X	62	2000	2005'	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
		X	X	HV-8823 (AIR) TESTLINE/CONTAINMENT ISOLATION	X		73	2000	2026'	1	3,4	C	(7)	(7)	(7)	X				(1)	(4)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: HIGH-PRESSURE COOLANT INJECTION (EM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREO (F)	
		X	X	HV-8824 (AIR) TESTLINE/CONTAINMENT ISOLATION	X		73	2000	2002'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	HV-8881 (AIR) TESTLINE/CONTAINMENT ISOLATION	X		73	2000	2006'											
		X		HV-8871 (AIR) TESTLINE/CONTAINMENT ISOLATION	X		73	2000	2013'6"											
		X		HV-8964 (AIR) TESTLINE/CONTAINMENT ISOLATION	X		73	1323	2013'6"											
X	X	X	X	HV-8803A (MOTOR) CHARGING PUMP DISCHARGE TO BIT	X		73	1126	1975'8"	↓	↓	↓	↓	↓	↓	↓				

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFE SYSTEM: HIGH-PRESSURE COOLANT INJECTION (EM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (I)	(I)	(I)	NATL FREO (F)	
													OBE	SSE	DYN	STAT	DYN	TEST	CONF	
X	X	X	X	HV-8803B (MOTOR) CHARGING PUMP DISCHARGE TO BIT	X		73	1126	1975'9"	1 ↓	3,4 ↓	C ↓	(7) ↓	(7) ↓	(7) ↓	X ↓			(1) ↓	(4) ↓
X	X	X	X	HV-8883 (AIR) ISO. VALVE FOR RECIRC. LOOP	X		73	1126	1979'7"	↓	↓	↓	↓	↓	↓	↓			↓	↓
X	X	X	X	VO14 (CHECK) ISO. VALVE FOR RECIRC. LOOP		X	62	1126	1976'11½"	M231C ↓	- ↓	- ↓	- ↓	- ↓	- ↓	- ↓	- ↓	- ↓	- ↓	(5) ↓
X	X	X	X	VO17 (CHECK) ISO. VALVE FOR RECIRC. LOOP		X	62	1126	1976'11½"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X	X	X	HV-8870A (AIR) ISO. VALVE FOR RECIRC. LOOP	X		73	1323	2002'	1 ↓	3,4 ↓	C ↓	(7) ↓	(7) ↓	(7) ↓	X ↓			(1) ↓	(4) ↓
X	X	X	X	HV-8870B (AIR) ISO. VALVE FOR RECIRC. LOOP	X		73	1126	1977'	↓	↓	↓	↓	↓	↓	↓			↓	↓

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: HIGH-PRESSURE COOLANT INJECTION (EM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1)	(1)	(1)	NATL FREQ (F)	
X	X	X	X	HV-8801A (MOTOR) DISCHARGE TO RCS	X		73	1323	2002'	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
X	X	X	X	HV-8801B (MOTOR) DISCHARGE TO RCS	X		73	1323	2002'	1	3,4	C	(7)	(7)	(7)	X				
X	X	X	X	8815 (CHECK) DISCHARGE TO RCS	X		73	2000	2009'6"	1	3,4	C	(7)	(7)	(7)	X				
X	X	X	X	HV-8843 (AIR) TESTLINE AND CONTAINMENT ISO.	X		73	2000	2013'6"	1	3,4	C	(7)	(7)	(7)	X				
X	X	X	X	TEM01 BORON INJECT. TANK	X		73	1126	1975'	215173	3,4	C	(3)	(3)	(3)	X			(3)	(6)
X	X			HV-8837A (SOLENOID) HV-8803A BYPASS	X		73	1126	1975'8"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
X	X			HV-8837B (SOLENOID) HV-8803B BYPASS VALVE	X		73	1126	1975'8"	1	3,4	C	(7)	(7)	(7)	X				

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: HIGH-PRESSURE COOLANT INJECTION (EM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMB (F)		
X	X			V-240 (CHECK) HV-8803A BYPASS		X	62	1126	1975'8"	M231C	-	-	-	-	-	-	-	-	-	(5)	
X	X			V-241 (CHECK) HV-8803B BYPASS		X	62	1126	1975'8"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
		X	X	V-188 SI Pump B CCW Line Press. Relief Valve (Thermal Relief)		X	61	1108	1981'11"	M141	2	C	4.5H 4.5V	4.5H 4.5V		X				(1)	(1)
		X	X	V-189 SI Pump A CCW Line Pressure Relief Valve (Thermal Relief)		X	61	1113	1979'6 1/2"	M141	2	C	4.5H 4.5V	4.5H 4.5V		X				(1)	(3)

PLANT NAME: SNAPP'S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT SPRAY SYSTEM (EN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA I NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOF	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)		
		X	X	HV-1 (MOTOR) CONTAINMENT ISO.		X	19	1204	1993'6"	M225	1	C		4.5 (6)					X	(1)	(2)
		X	X	HV-7 (MOTOR) CONTAINMENT ISO.		X	19	1203	1993'6"	↓	↓	↓		↓					↓	↓	↓
		X	X	V002 (CHECK)		X	63	1204	1993'6"	M221	-	-	-	-	-	-	-	-	-	-	(5)
		X	X	V008 (CHECK)		X	63	1203	1993'6"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
		X	X	V003 (CHECK) RWST TO CONTAINMENT SPRAY PUMP		X	63	1112	1971'11"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
		X	X	V009 (CHECK) RWST TO CONTAINMENT SPRAY PUMP		X	63	1110	1971'11"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
		X	X	PEN01A CONTAINMENT SPRAY PUMP		X	4	1112	1967'	M088	1	C	3.0H 2.0V	3.0H 2.0V		X			X	(1)	10466-C-04A01B 10466-C-04A01S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO. : STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT SPRAY SYSTEM (EN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	SLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (I)		(I)	(I)	NATL FREQ (F)	
													OBE	SSE	DYN	STAT	DYN	TEST	CONF		
		X	X	PEN01B CONTAINMENT SPRAY PUMP		X	4	1110	1967'	M088	1	C	3.0H 2.0V	3.0H 2.0V		X			X	(1)	10466-C-04A01B 10466-C-04A01S
		X	X	V004 (CHECK) CONTAINMENT SPRAY PUMP TO CONTAINMENT		X	63	1112	1972'	M221	-	-	-	-	-	-	-	-	-	(5)	
		X	X	V010 (CHECK) CONTAINMENT SPRAY PUMP TO CONTAINMENT		X	63	1110	1972'	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
		X	X	HV-6 (MOTOR) CONTAINMENT ISO.		X	19	1323	2002'	M225	1	C		4.5 (6)					X	(1)	(2)
		X	X	HV-12 (MOTOR) CONTAINMENT ISO.		X	19	1322	2002'	↓	↓	↓		↓					↓	↓	↓
		X	X	V013 (CHECK) CONTAINMENT ISO.		X	63	2000	2016'6"	M221	-	-	-	-	-	-	-	-	-	-	(5)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

ESSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT SPRAY SYSTEM (EN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (J)		(I)	(I)	NATL CONF (F)	
		X	X	VO17 (CHECK) CONTAINMENT ISO.		X	63	2000	2016'6"	M221	-	-	-	-	---	-	-	-	-	-	(5)
		X	X	TEN01 SPRAY ADDITIVE TANK		X	67	1315	2016'6"	M105B	2	C	0.4H 0.3V	0.6H 0.5V	X	X	X		X	(1)	See M105B attachments
		X	X	VO57 (PRESSURE RELIEF) ON SPRAY ADDITIVE TANK		X	61	1315	2000'7½"	M141	2	C	4.5H 4.5V	4.5H 4.5V		X				(1)	(2)
		X	X	VO58 (VACUUM RELIEF) ON SPRAY ADDITIVE TANK		X	61	1315	2016'6"						X	X					
		X	X	VI06 (VACUUM RELIEF) ON SPRAY ADDITIVE		X	61	1315	2016'7"						X	X					

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT SPRAY SYSTEM (EN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID, NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC	ZPA	DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREO (F)	
		X	X	LT-15 SPRAY ADDITIVE TANK		X	47	1315	2003'½"	J301	1	C		4.4	X			X	(7)	J-820
		X	X	LT-16 ON SPRAY ADDITIVE TANK		X	47	1315	2003'½"	↓	↓	↓	↓	↓	↓		↓	↓	↓	↓
		X	X	LT-17 ON SPRAY ADDITIVE TANK		X	47	1315	2003'½"	↓	↓	↓	↓	↓	↓		↓	↓	↓	↓
		X	X	LT-19 ON SPRAY ADDITIVE TANK		X	47	1315	2003'½"	↓	↓	↓	↓	↓	↓		↓	↓	↓	↓
		X	X	HV-15 (MOTOR) SPRAY ADDITIVE TANK TO SPRAY ADDITIVE EDUCTOR		X	19	1315	2001'7½"	M225	1	C		4.5 (6)				X	(1)	(2)

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT SPRAY SYSTEM (EN)

[illegible]

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT SPRAY SYSTEM (EN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		WSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)		
		X	X	SEN02 CONTAINMENT SPRAY NOZZLES		X	61	2000	2165'8" 2170'3" 2195'3" 2196'10"	M151	2	C	(6)	(6)	(6)					(2)	
		X	X	TEN02A & B CONTAINMENT SPRAY ISOLATION VALVE ENCAPSULATION TANK		X	67	1203 1204	1988'	M109A	2	C	0.5H 0.5V	1.0H 1.0V		X			1	10466-C-04A02B 10466-C-04A02S	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ACCUMULATOR SAFETY INJECTION (EP)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)		
		X		TEP01A ACCUMULATOR TANK A	X		73	2000	2008'8"	215273	3,4	C	(3)	(3)	(3)	X			(3)	(6)	
		X	X	8956A (CHECK) RC BOUNDARY VALVE ACC. TANK A	X		73	2000	2010'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
	X	X	X	8818A (CHECK) RC BOUNDARY VALVE RHR PUMP	X		73		2009'6"	↓	↓	↓	↓	↓	↓	↓			↓	↓	
		X	X	V-010 (CHECK) RC BOUNDARY VALVE SI PUMP		X	62		2001'7½"	M231C	-	-	-	-	-	-	-	-	-	(5)	
		X		TEP01B ACCUMULATOR TANK B	X		73		2008'8"	215273	3,4	C	(3)	(3)	(3)	X			(3)	(6)	
		X	X	8956A (CHECK) RC BOUNDARY VALVE ACC. TANK B	X		73		2010'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ACCUMULATOR SAFETY INJECTION (EP)

[illegible]

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ACCUMULATOR SAFETY INJECTION (EP)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSIB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)		
		X		TEP01D ACCUMULATOR TANK D	X		73	2000	2008'8"	215273	3,4	C	(3)	(3)	(3)	X			(3)	(6)	
		X	X	8956D (CHECK) RC BOUNDARY VALVE ACC. TANK D	X		73	↓	2009'10"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
	X	X	X	8818D (CHECK) RC BOUNDARY VALVE RHR PUMP	X		73		2013'9"	↓	↓	↓	↓	↓	↓	↓	↓			↓	↓
		X	X	V-040 (CHECK) RC BOUNDARY VALVE SI PUMP		X	62		2004'	M231C	-	-	-	-	-	-	-	-	-	-	(5)
		X		HV-8880 (AIR) N ₂ SUPPLY CONT. ISO. VALVE	X		73		1322	2012'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
	X			HV-8950A (SOLENOID) ACCUMULATOR TANK A VENT VALVE	X		73	2000	2032'5"	↓	↓	↓	↓	↓	↓	↓			↓	↓	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ACCUMULATOR SAFETY INJECTION (EP)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST DYN	(I) COM FREQ	NATL FREO (F)		
	X			HV-8950B (SOLENOID) ACCUMULATOR TANK B VENT	X		73	2000	2028'	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)	
	X			HV-8950C (SOLENOID) ACCUMULATOR TANK B VENT	X		73														
	X			HV-8950D (SOLENOID) ACCUMULATOR TANK C VENT	X		73														
	X			HV-8950E (SOLENOID) ACCUMULATOR TANK C VENT	X		73		↓												
	X			HV-8950F (SOLENOID) ACCUMULATOR TANK D VENT	X		73	↓	2031'7"	↓	↓	↓	↓	↓	↓	↓			↓	↓	
		X		V-046 (CHECK) N ₂ SUPPLY CONT. ISO VALVE		X	62	2000	2009'6"	M231C	-	-	-	-	-	-	-	-	-	(5)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY TURBINES (FC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL. FREO (F)	
X			X	V001 (CHECK) MAIN STEAM ISO.		X	21	1412	2027'10"	M223B	--	--	--	--	--	--	--	--	--	(5)
X			X	V024 (CHECK) MAIN STEAM ISO.		X	21	1412	2027'10"											
X			X	V025 (CHECK) MAIN STEAM ISO.		X	21	1412	2027'10"											
X			X	V002 (CHECK) MAIN STEAM ISO.		X	21	1412	2027'10"											
X			X	V003 (CHECK) AUX. STEAM ISO.		X	21	1331	2012'6"											
X			X	HV-312 (MOTOR) TURBINE MANUAL TRIP AND THROTTLE VALVE		X	4	1331	2003'7 1/4"	M021	1	C	.65H .80V	1.0H 1.25V				X	(2)	OBE-10466-C-04A03B SSE-10466-C-04A03S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY TURBINES (FC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
X			X	FV-313 (E/H) TURBINE SPEED- GOVERNING VALVE		X	4	1331	2003'	M021	1	C	.65H .80V	1.0H 1.25V			X		(2)	OBE-10466-C-04A03B SSE-10466-C-04A03S
X			X	KFC02 AUX. FEED PUMP TURBINE		X	4	1331	2004'2"											
X			X	PFC04 TURBINE L.O. PUMP		X	4	1331	2002'											
X			X	PFC02 TURBINE L.O. FILTER		X	4	1331	2003'	M021	1	C	1.27H 1.2V	2.12H 2.0V		X	X		(1)	
			X	FV-310 (AIR) STEAM DRAIN FLOW CONTROL VALVE		X	55	1331	1990'8"	J601A	1	NC		(2)	X		X		(7)	J601A, App. M
X			X	EFC02 AUX. FW PUMP TURBINE L.O. HX		X	4	1331	2002'10 1/2'	M021	1	C	1.27H 1.2V	2.12H 2.0V		X	X		(1)	10466-C-04A03B 10466-C-04A03S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLAN NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER PUMP HOUSE HVAC (WOLF CREEK) (GD)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE SSE	DYN		ANAL STAT	(I) TEST	(I) CONF	NATL FREQ (F)	
X	X	X	X	CGD01A ESW PUMP ROOM SUPPLY FAN		X	6	K105	2017'8"	M619.2	1	C	1.8H 1.2V	3.0H 2.0V		X			(1)	10881-C-K4P03S, 10881-C-K4P03P
X	X	X	X	TZ-1A (E/H) FLOW CONTROL DAMPER		X	10	K 105	2020'4"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App.
X	X	X	X	TZ-1B (E/H) FLOW CONTROL DAMPER		X	10	K 105	↓	↓	↓	↓	↓	↓	↓			↓	↓	↓
X	X	X	X	TZ-1C (E/H) FLOW CONTROL DAMPER		X	10	K 105	↓	↓	↓	↓	↓	↓	↓			↓	↓	↓
X	X	X	X	TE-1 ROOM TEMP. SENSOR		X	54	K 105	2004'6"	J588B	1	NC		4.0	X			X	(7)	J-820
X	X	X	X	CGD01B ESW PUMP ROOM SUPPLY FAN		X	6	K 104	2017'8"	M619.2	1	C	1.8H 1.2V	3.0H 2.0V		X			(1)	10881-C-K4P03S, 10881-C-K4P03B
X	X	X	X	TZ-11A (E/H) FLOW CONTROL DAMPER		X	10	K 105	2024'4"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER PUMP HOUSE HVAC (WOLF CREEK) (GD)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL STAT	(1) DYN	(1) TEST	NATL COMFREQ (F)	
X	X	X	X	TZ-11B (E/H) FLOW CONTROL DAMPER		X	10	K 104	2020'4"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
X	X	X	X	TZ-11C (E/H) FLOW CONTROL DAMPER		X	10	K 104	2020'	↓	↓	↓	↓	↓	↓			↓	↓	↓
X	X	X	X	TE-11 ROOM TEMP. SENSOR		X	54	K 104	2004'6"	J588B	1	NC		4.0	X			X	(7)	J-820

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER PUMP HOUSE HVAC (CALLAWAY) (GD)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	CGD01A ESW PUMP ROOM SUPPLY FAN		X	6	U 104	2017'8"	M619.2	1	C	1.8H 1.2V	3.0H 2.0V		X			(1)	10884-C-U4P03S 10884-C-U4P03B
X	X	X	X	TZ-1A (E/H) FLOW CONTROL DAMPER		X	10	U 104	2020'4"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
X	X	X	X	TZ-1B (E/H) FLOW CONTROL DAMPER		X	10	U 104	↓	↓	↓	↓	↓	↓	↓			↓	↓	↓
X	X	X	X	TZ-1C (E/H) FLOW CONTROL DAMPER		X	10	U 104	↓	↓	↓	↓	↓	↓	↓			↓	↓	↓
X	X	X	X	TE-1 ROOM TEMP. SENSOR		X	54	U 104	2004'	J588B	1	NC		4.0	X			X	(7)	J-820
X	X	X	X	CGD01B ESW PUMP ROOM SUPPLY FAN		X	6	U 105	2017'8"	M619.2	1	C	1.8H 1.2V	3.0H 2.0V		X			(1)	10884-C-U4P03S 10884-C-U4P03B
X	X	X	X	TZ-11A (E/H) FLOW CONTROL DAMPER		X	10	U 105	2020'4"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER PUMP HOUSE HVAC (CALLAWAY) (GD)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO.
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	TEST (I) DYN	CONF (I) TEST	NATL FREQ (F)	
X	X	X	X	TZ-11B (E/H) FLOW CONTROL DAMPER		X	10	U 105	2020'4"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
X	X	X	X	TZ-11C (E/H) FLOW CONTROL DAMPER		X	10	U 105	2020'	↓	↓	↓	↓	↓	↓			↓	↓	↓
X	X	X	X	TE-11 ROOM TEMP. SENSOR		X	54	U 105	2004'	J588B	1	NC		4.0	X			X	(7)	J-820
X	X	X	X	TZ-51A (E/H) FLOW CONTROL DAMPER		X	10	U 302	2017'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
X	X	X	X	TZ-51B (E/H) FLOW CONTROL DAMPER		X	10	U 302	↓	↓	↓	↓	↓	↓	↓			↓	↓	↓
X	X	X	X	CGD02A COOLING TOWER ELECT. ROOM SUPPLY FAN		X	6	U 302	2012'7"	M619.2	1	C	1.8H 1.2V	3.0H 2.0V		X			(1)	See M619.2 Attachments
X	X	X	X	TZ-51C (E/H) FLOW CONTROL DAMPER		X	10	U 301	2017'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: ESSENTIAL SERVICE WATER PUMP HOUSE HVAC (CALLAWAY) (GD)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANA ¹ STAT	(I) DYN	(I) TEST	(I) COMF	NATL FREQ (F)	
X	X	X	X	TE-51 ROOM TEMP. SENSOR		X	54	U 301	2004'	J588B	1	NC		4.0	X			X		(7)	J-820
X	X	X	X	TZ-61A (E/H) FLOW CONTROL DAMPER		X	10	U 305	2017'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X		(2)	M627A(Q), App. M
X	X	X	X	TZ-61B (E/H) FLOW CONTROL DAMPER		X	10	U 305	↓	↓	↓	↓	↓	↓	↓			↓		↓	↓
X	X	X	X	CGD02B COOLING TOWER ELECT ROOM SUPPLY FAN		X	6	U 305	2012'7"	M619.2	1	C	1.8H 1.2V	3.0H 2.0V		X				(1)	See M619.2 attachments
X	X	X	X	TZ-61C (E/H) FLOW CONTROL DAMPER		X	10	U 304	2017'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X		(2)	M627A(Q), App. M
X	X	X	X	TE-61 ROOM TEMP. SENSOR		X	54	U 304	2004'	J588B	1	NC		4.0	X			X		(7)	J-820

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: TURBINE BUILDING HVAC (GE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (E)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA	OBE	SSE	DYN	ANAL (I)	TEST (I)	NATL COMFREQ (F)	
		X		HZ-101 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2060'	M-627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M-627A(Q), App. M
		X		HZ-102 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2060'	M-627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M-627A(Q), App. M
		X		HZ-103 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2066'3"	M-627A	1	C	3.1H 3.1V	4.55H 4.55H	X			X	(2)	M-627A(Q), App. M
		X		HZ-104 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2066'3"	M-627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M-627A(Q), App. M

DOCKET NO. : STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: MISCELLANEOUS BUILDINGS HVAC (GF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO.
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			METHOD				
													OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL CONF (F)	
		X		HZ-20 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2065'7"	M-627A	1	C	3.1H 3.1V	4.55H 4.55H	X			X	(2)	M-627A(Q), App. M
		X		HZ-21 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2065'7"											
		X		HZ-22 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1504	2066'3"											
		X		HZ-23 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1504	2066'3"											
		X		HZ-31A (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1410	2037'8"											

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MISCELLANEOUS BUILDINGS HVAC (GF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREO (F)	
		X		HZ-30A (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1410	2039'8"	M-627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M-627A(Q), App. M
		X		HZ-30B (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2059'6"											
		X		HZ-31B (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2059'6"											
		X		HZ-33A (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1305	2022'2"											
		X		HZ-32A (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1305	2022'2"											

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MISCELLANEOUS BUILDINGS HVAC (GF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT(E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL FREQ (F)	
		X		HZ-32B (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1328	2008'9"	M-627A	1	C	1.3H 1.3V	4.55H 4.55V	X			X	(2)	M-627A(Q), App. M
		X		HZ-33B (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1328	2008'9"	↓	↓	↓	↓	↓	↓			↓	↓	↓
X		X	X	SGF02A AUX. FEED PUMP ROOM COOLER		X	5	1326	2014'8"	M-612	1	C	1.8H 1.2V	3H 2V		X			(1)	10466-C-04A-02S, 03S, 04S, 01S, 02B, 03B, 04B, 01B,
X		X	X	SGF02B AUX. FEED PUMP ROOM COOLER		X	5	1325	2014'8"	↓	↓	↓	↓	↓		↓			↓	↓
		X		HZ-11 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1122	1984'2"	M-627A	1	C	1.3H 1.3V	4.55H 4.55V	X			X	(2)	M-627A(Q), App. M

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MISCELLANEOUS BUILDINGS HVAC (GF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COMF	NATL FREQ (F)	
		X		HZ-12 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1122	1984'4"	M-627A	1	C	1.3H 1.3V	4.55H 4.55V	X		X		(2)	M-627A(Q), App.M
		X		HZ-14 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1122	1984'2"	↓	↓	↓	↓	↓	↓		↓		↓	
		X		HZ-12 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1122	1984'2"	↓	↓	↓	↓	↓	↓		↓		↓	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FUEL BUILDING HVAC (GG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
		X		HZ-41 (MOTOR) AUX. BLDG. HVAC ISO. DAMPER		X	10	6301	2066'5"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q) Appen. M
		X		HZ-40 (MOTOR) FUEL BLDG. ISO. DAMPER		X	10	6301	2066'5"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q) Appen. M
		X		RV-27A (SOLENOID) RADIATION MONITOR ISOLATION VALVE		X	57	6301	2067'8"	J603A	1	NC		(2)	X			X	(1)	J603A, Appen. J
		X		RV-27B (SOLENOID) RADIATION MONITOR ISOLATION VALVE		X	57	6301	2068'3½"	J603A	1	NC		(2)	X			X	(1)	J603A, Appen. J
		X		RE-27 RADIATION MONITOR		X	49	6301	2047'6"	J361	1	NC		2.09	X			X	(7)	J820, J821
		X		EGG10A EMERGENCY EXH. HEATING COIL		X	8	6301	2052'	M621	1	NC	0.6H 0.5V	1.0H 0.9V		X			(1)	See M-621 Attachments

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FUEL BUILDING HVAC (GG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREO (F)	
		X		FGG02A FILTER-ABSORBER UNIT		X	8	6304	2052'	M621	1	C	0.6H 0.5V	1.0H 0.9V		X			(1)	See M-621 Attachments
		X		CGG02A EMERGENCY EXH. FAN		X	6	6304	2050'4"	M619.2	1	C	1.8H 1.2V	3H 2V		X			(1)	See M-619.2 Attachments
		X		HZ-42 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	6301	2066'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), Appen. M
		X		RV-28A (SOLENOID) RADIATION MONITOR ISOLATION VALVE		X	57	6301	2068'3"	J603A	1	NC		(2)	X			X	(1)	J603A, Appen. J
		X		RV-28B (SOLENOID) RADIATION MONITOR ISOLATION VALVE		X	57	6301	2067'7½"	J603A	1	NC		(2)	X			X	(1)	J603A, Appen. J
		X		RE-28 RADIATION MONITOR		X	49	6301	2047'6"	J361	1	NC		2.0	X			X	(7)	J820, J821

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FUEL BUILDING HVAC (GG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1)		(1) TEST	(1) COMFREQ (F)	
													OBE	SSE		STAT	DYN			
		X		HZ-44 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	6301	2066'5"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), Appen.M
		X		HZ-43 (MOTOR) FUEL BLDG. ISO. DAMPER		X	10	6301	2066'5"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), Appen.M
		X		EGG10B EMERGENCY EXH. HEATING COIL		X	8	6303	2052"	M621	1	NC	0.6H 0.5V	1.0H 0.9V		X			(1)	See Specification 10466-M-621(Q)
		X		FGG02B FILTER-ABSORBER UNIT		X	8	6303	2052'	M621	1	C	0.6H 0.5V	1.0H 0.9V		X			(1)	See Specification 10466-M-621(Q)
		X		CGG02B EMERGENCY EXH. FAN		X	6	6303	2050'4"	M619.2	1	C	1.8H 1.2V	3H 2V		X			(1)	See Specification 10466-M-619.2
		X		HZ-56 (MOTOR) ISOLATION DAMPER		X	10	6304	2057"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), Appen.M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FUEL BUILDING HVAC (GG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
		X		HZ-57 (MOTOR) ISOLATION DAMPER		X	10	6303	2055'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), Appen. M
				RZ-36 (MOTOR) FUEL BLDG. ISO. DAMPER		X	10	6301	2039'3"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), Appen. M
				RZ-37 (MOTOR) FUEL BLDG. ISO. DAMPER		X	10	6301	2039'3"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), Appen. M
X	X	X	X	SGG04A SFP PUMP ROOM COOLER		X	5	6105	2000'6"	M612	1	C	1.8H 1.2V	3H 2V		X			(1)	10466-C-04A-02S, 03S,04S,01S,02B, 03B,04B,01B
X	X	X	X	SGG04B SFP PUMP ROOM COOLER		X	5	6104	2000'6"	M612	1	C	1.8H 1.2V	3H 2V		X			(1)	10466-C-04A-02S, 03S,04S,01S,02B, 03B,04B,01B

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC
UNION ELECTRIC COMPANY

KANSAS CITY POWER LIGHT

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (CK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)		
X	X	X	X	HZ-29A (MOTOR) A/C SYSTEM ISO. DAMPER		X	10	1512	2066'2"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. h	
		X	X	HZ-19C (MOTOR) A/C SYSTEM ISO. DAMPER		X	10	1512	2055'0"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M	
		X	X	HZ-19A (MOTOR) CONTROL ROOM FILTER SYSTEM ISO. DAMPER		X	10	1512	2050'4½"	M627A	1	C	3.1H 3.1V	3.1V 3.1V	X			X	(2)	M627A(Q), App. M	
		X	X	CGK03A CONTROL ROOM FILTER FAN		X	6	1512	2050'4½"	M619.2	1	C	1.8H 1.2V	3H 2V		X		X	(2)	See M619.2 Attach- ments	
		X	X	FGK01A FILTER ADSORBER UNIT		X	8	1512	2050'11"	M621	1	C	0.6H 0.5V	1.0H 0.9V		X			(2)	See M621 Attach- ments	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC 7PA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
		X	X	HZ-19B (MOTOR) CONTROL ROOM FILTER SYSTEM ISO. DAMPER		X	10	1512	2050'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
X	X	X	X	SGK04A CONTROL ROOM A/C UNIT		X	9	1512	2048'0"	M622	1	C	1.8H 1.2V	3H 2V		X			(1)	See M622 Attach- ments
		X	X	HZ-19D (MOTOR) A/C SYSTEM ISO. DAMPER		X	10	1512	2065'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
X	X	X	X	HZ-29B (MOTOR) A/C SYSTEM ISO. DAMPER		X	10	1512	2061'9"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-160 (MOTOR) CONTROL ROOM PRESSURIZATION SYS. ISOLATION DAMPER		X	10	1512	2056'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (R)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	HZ-40A (MOTOR) A/C UNIT ISO. DAMPER		X	10	1501	2066'2"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-161 (MOTOR) CONTROL ROOM PRESSURIZATION SYS. ISOLATION DAMPER		X	10	1501	2056'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-30C (MOTOR) A/C SYSTEM ISO. DAMPER		X	10	1501	2055'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-30A (MOTOR) CONTROL ROOM FILTER SYSTEM ISO. DAMPER		X	10	1501	2053'8"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	CGK03B CONTROL ROOM FILTER FAN		X	6	1501	2050'4½"	M619.2	1	C	1.8H 1.2V	3H 2V		X	X		(1)	See M619.2 Attachments

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (R)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
		X	X	FGK01B FILTER ADSORBER UNIT		X	8	1501	2050'11"	M621	1	C	0.6H 0.5V	1.0H 0.9V		X			(1)	See M621 Attachments
		X	X	HZ-30B (MOTOR) CONTROL ROOM FILTER SYSTEM ISO. DAMPER		X	10	1501	2050'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
X	X	X	X	SCK04B CONTROL ROOM A/C UNIT		X	9	1501	2048'	M622	1	C	1.8H 1.2V	3H 2V		X	X		(1)	See M622 Attachments
		X	X	HZ-30D (MOTOR) A/C SYS. ISO. DAMPER		X	10	1501	2063'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
X	X	X	X	HZ-40B (MOTOR) CONTROL ROOM ISO. DAMPER		X	10	1501	2061'9"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X	X	HZ-55B (AIR) CABLE SPREADING RM. ISO. DAMPER		X	10	3801	2083'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
		X	X	HZ-55A (AIR) CABLE SPREADING RM. ISO. DAMPER		X	10	3801	2083'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X	X	HZ-57B (AIR) CONTROL BUILDING ISO. DAMPER		X	10	3609	2057'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X	X	HZ-59A (AIR) CABLE SPREADING RM. ISO. DAMPER		X	10	3501	2043'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X	X	HZ-59B (AIR) CABLE SPREADING RM. ISO. DAMPER		X	10	3501	2043'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X	X	HZ-57A (AIR) CONTROL BUILDING ISO. DAMPER		X	10	3609	2057'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (I)	ROOM NO.	ELEV. (R)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
		X	X	HZ-13D (AIR) CONTROL BUILDING ISO. DAMPER		X	10	1512	2058'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X		HZ-150 (MOTOR) CONTROL BUILDING ISO. DAMPER		X	10	1513	2065'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X		HZ-151 (MOTOR) CONTROL BUILDING ISO. DAMPER		X	10	1513	2065'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X	X	RE-4 RADIATION MONITOR		X	49	1513	2047'7"	J361	1	NC		2.0	X		X		(7)	J820, J821
				AE-2 CHLORINE DETECTOR		X	51	1513	2052'	J375	1	NC		1.1	X		X		(7)	J820
		X	X	RE-5 RADIATION MONITOR		X	49	1513	2047'7"	J361	1	NC		2.0	X		X		(7)	J820, J821

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GR)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	TEST (J) DYN	CONF (K) TEST	NATL FREQ (F)	
				AE-3 CHLORINE DETECTOR		X	51	1513	2052'	J375	1	NC		1.1	X			X	(7)	J820
		X	X	HZ-13A (AIR) CONTROL BUILDING ISO. VALVE		X	10	1513	2063'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-13B (AIR) CONTROL BUILDING ISO. DAMPER		X	10	1513	2068'6"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-13E (AIR) CONTROL BLDG. ISO. DAMPER		X	10	1512	2058'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X		HZ-152 (MOTOR) CONTROL BLDG. ISO. DAMPER		X	10	1513	2066'5"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X		HZ-153 (MOTOR) CONTROL BUILDING ISO. DAMPER		X	10	1513	2068'5"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
		X	X	HZ-13C (AIR) ACCESS CONTROL ISO. DAMPER		X	10	1506	2068'6"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X		HZ-154 (MOTOR) ACCESS CONTROL ISO. DAMPER		X	10	1506	2062'9"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X		HZ-155 (MOTOR) ACCESS CONTROL ISO. DAMPER		X	10	1506	2062'9"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-83A (MOTOR) PRESSURIZATION SYS ISOLATION DAMPER		X	10	3415	2044'1"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-83B (MOTOR) PRESSURIZATION SYS ISOLATION DAMPER		X	10	3415	2018'4"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)	
		X	X	FGK02B FILTER ADSORBER UNIT		X	8	3415	2016'6"	M621	1	NC	0.6H 0.5V	1.0H 0.9V		X			(1)	See M621 Attachments
		X	X	MS-84 MOISTURE SENSOR		X	8	3415	2019'9"	M621	1	NC	0.6H 0.5V	1.0H 0.9V		X			(1)	See M621 Attachments
		X	X	CGK04B CONTROL ROOM PRESSURE FAN		X	6	3415	2017'11 1/2"	M619.2	1	C	1.8H 1.2V	3H 2V		X			(1)	See M619.2 Attachments
		X	X	HZ-75A (MOTOR) PRESSURIZATION SYS ISOLATION DAMPER		X	10	3416	2026'7"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X	X	MS-76 MOISTURE SENSOR		X	8	3416	2019'9"	M621	1	NC	0.6H 0.5V	1.0H 0.9V		X			(1)	See M621 Attachments
		X	X	FGK02A FILTER ADSORBER UNIT		X	8	3416	2016'6"	M621	1	NC	0.6H 0.5V	1.0H 0.9V		X			(1)	See M621 Attachments

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
 DOCKET NO.: STN 50-482
 STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
 UNION ELECTRIC COMPANY

PAGE 15 OF 223

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM (F)	
		X	X	HZ-75B (MOTOR) PRESSURIZATION SYS ISOLATION DAMPER		X	10	3416	2017'9"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	CGK04A CONTROL RM. PRESSURE FAN		X	6	3416	2017'11 1/2"	M619.2	1	C	1.8H 1.2V	3H 2V		X			(1)	See M619.2 Attachments
		X	X	HZ-98A (AIR) SWITCHGEAR ROOM ISOLATION DAMPER		X	10	3411	2025'6"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-98B (AIR) BATTERY ROOM ISO. DAMPER		X	10	3411	2025'6"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
X	X	X	X	SGK05A CLASS 1E ELEC. EQUIP. A/C UNIT		X	9	3416	2016'6"	M622	1	C	1.8H 1.2V	3H 2V		X		X	(1)	See M622 Attachments

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOF	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)		
													OBE	SSE		STAT	DYN	TEST	COM		
X	X	X	X	SGK05B CLASS IE ELEC. EQUIP. A/C UNIT		X	9	3415	2016'6"	M622	1	C	1.8H 1.2V	3H 2V		X				(1)	See M622 Attachments
		X	X	HZ-173A (MOTOR) CONTROL BLDG. ISO. DAMPER		X	10	3101	1980'3"	M627A	1	C	3.1H 3/1V	4.55H 4.55V	X			X		(2)	M627A(Q), App. M
		X	X	HZ-172A (MOTOR) CONTROL BLDG. ISO. DAMPER		X	10	3101	1980'3"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X		(2)	M627A(Q), App. M
		X	X	HZ-173B (MOTOR) CONTROL BLDG. ISO. DAMPER		X	10	3101	1979'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X		(2)	M627A(Q), App. M
		X	X	HZ-172B (MOTOR) CONTROL BLDG. ISO. DAMPER		X	10	3101	1979'10"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X		(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) CONF	NATL FREQ (F)	
		X	X	HZ-175A (MOTOR) CONTROL BLDG. ISO. DAMPER		X	10	3224	1993'6"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-174A (MOTOR) CONTROL BLDG. ISO. DAMPER		X	10	3224	1993'6"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-175B (MOTOR) CONTROL BLDG. ISO. DAMPER		X	10	3222	1993'6"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-174B (MOTOR) CONTROL BLDG. ISO. DAMPER		X	10	3222	1993'6"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-123C (AIR) ACCESS CONTROL ISO. DAMPER		X	10	3218	1996'2"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-493UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (CK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE SSE	DYN		ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
		X	X	HZ-123A (AIR) ACCESS CONTROL ISO. DAMPER		X	10	3211	1993'6"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. N
		X	X	HZ-123B (AIR) ACCESS CONTROL ISO. DAMPER		X	10	3218	1995'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-122A (AIR) ESF SWGR ROOM ISO. DAMPER		X	10	3302	2010'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-122B (AIR) ESF SWGR ROOM ISO. DAMPER		X	10	3302	2009'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-13F (AIR) CONTROL BLDG ISO. DAMPER		X	10	1512	2068'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT-NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM (F)	
		X	X	HZ-13G (AIR) CONTROL BLDG. ISO. DAMPER		X	10	1512	2059'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-13H (AIR) CONTROL BLDG. ISO. DAMPER		X	10	1512	2064'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-184A (AIR) CONTROL BLDG. ISO. DAMPER		X	10	1501	2063'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-184B (AIR) CONTROL BLDG. ISO. DAMPER		X	10	1512	2059'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-184C (AIR) CONTROL BLDG. ISO. DAMPER		X	10	1513	2068'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT-NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTROL BUILDING HVAC (GK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
R&D	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL FREQ (F)	
		X	X	HZ-184D (AIR) CONTROL BLDG ISO. DAMPER		X	10	1513	2059'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-184E (AIR) CONTROL BLDG ISO. DAMPER		X	10	1506	2064'	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-83C CONTROL BUILDING ISO. DAMPER		X	10	3302	2006'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X	X	HZ-75C CONTROL BUILDING ISO. DAMPER		X	10	3301	2006'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY BUILDING HVAC (GL)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL FREQ (F)	
X	X	X	X	SGL11A CCW PUMP ROOM COOLER		X	5	1406	2026'	M612	1	C	1.8H 1.2V	3H 2V		X			X (1)	See M612(Q), attachments
X	X	X	X	HZ-80 (MOTOR) ISOLATION DAMPER		X	10	1406	2035'5"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
X	X	X	X	HZ-81 (MOTOR) ISOLATION DAMPER		X	10	1406	2035'5"											
		X		HZ-13 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2065'11"											
		X		HZ-14 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2065'11"	↓	↓	↓	↓	↓	↓		↓	↓	↓	↓
X	X	X	X	SGL15A PENETRATION ROOM COOLER		X	5	1410	2026'	M612	1	C	1.8H 1.2V	3H 2V		X			X (1)	See M612(Q), attachments

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY BUILDING HVAC (GL)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	(I) COM	NATL FREQ (F)	
	X	X		SGL10A RHR PUMP RM. COOLER		X	5	1111	1967'	M612	1	C	1.8H 1.2V	3H 2V		X				(1)	See M612(Q), attachments
		X	X	SGL13A CTMT. SPRAY PUMP ROOM COOLER		X	5	1112	1967'												
		X	X	SGL09A SI PUMP RM. COOLER		X	5	1113	1974												
X	X	X	X	SGL12A CENT. CHARGING PUMP ROOM COOLER		X	5	1114	1974'												
		X		HZ-62 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1507	2069'11"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X		(2)	M627A(Q), App. M
X	X	X	X	SGL11B CCW PUMP RM COOLER		X	5	1401	2026'	M612	1	C	1.8H 1.2V	3H 2V		X				(1)	See M612(Q), attachments

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY BUILDING HVAC (GL)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
		X		HZ-32 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1504	2069'3"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X		HZ-33 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1504	2069'3"	↓	↓	↓	↓	↓	↓		↓		↓	↓
X	X	X	X	SGL12B CENT. CHARGING PUMP ROOM COOLER		X	5	1107	1974'	M612	1	C	1.8H 1.2V	3H 2V		X			(1)	See M612(Q), attachments
		X	X	SGL09B SI PUMP RM. COOLER		X	5	1108	1974'	↓	↓	↓	↓	↓		↓			↓	↓
		X	X	SGL13B CTMT. SPRAY PUMP ROOM COOLER		X	5	1110	1967'	↓	↓	↓	↓	↓		↓			↓	↓
	X	X		SGL10B RHR PUMP RM. COOLER		X	5	1109	1967'	↓	↓	↓	↓	↓		↓			↓	↓

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY BUILDING HVAC (GL)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM FREQ (F)	
X	X	X	X	SGL15B PENETRATION RM COOLER		X	5	1409	2026'	M612	1	C	1.8H 1.2V	3H 2V		X			(1)	See M612(Q), attachments
		X		HZ-70 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1314	2021'5"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X		X		(2)	M627A(Q), App. M
		X		HZ-69 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1314	2021'5"	↓		↓	↓	↓	↓		↓		↓	↓
		X		HZ-72 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1314	2023'5"	↓		↓	↓	↓	↓		↓		↓	↓
		X		HZ-71 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1314	2023'5"	↓		↓	↓	↓	↓		↓		↓	↓

PLANT NAME: SNUPPS

DOCKET NO : STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY BUILDING HVAC (GL)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (I)	(I)	(I)	NATL FREQ (F)		
													OBE	SSE	DYN	STAT	DYN	TEST	COM		
		X		HZ-73 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1102	1983'5"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X		(2)	M627A(Q), App. M
		X		HZ-74 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1102	1983'5"	↓	↓	↓	↓	↓	↓			↓	↓	↓	↓
		X		HZ-76 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1102	1985'3"	↓	↓	↓	↓	↓	↓			↓	↓	↓	↓
		X		HZ-75 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1102	1985'3"	↓	↓	↓	↓	↓	↓			↓	↓	↓	↓
		X		HZ-86 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1308	2023'7"	↓	↓	↓	↓	↓	↓			↓	↓	↓	↓

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: AUXILIARY BUILDING HVAC (GL)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZFA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM FREQ (F)	
		X		HZ-85 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1308	2023'7"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X		HZ-88 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1308	2023'7"	↓	↓	↓	↓	↓	↓			↓	↓	↓
		X		HZ-87 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1308	2023'7"	↓	↓	↓	↓	↓	↓			↓	↓	↓

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: DIESEL GENERATORS BUILDING HVAC (GM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMP FREQ (F)	
X	X	X	X	HZ-9 (AIR) DIESEL GENERATOR ROOM ISO. DAMPER		X	10	5203	2038'6"	M-627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M-627A(Q), App. M
X	X	X	X	TZ-1A (E/H) FLOW CONTROL DAMPER		X	10	5203	2041'6"	M-627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M-627A(Q), App. M
X	X	X	X	TZ-1B (E/H) FLOW CONTROL DAMPER		X	10	5203	2034'6"	M-627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M-627A(Q), App. M
X	X	X	X	TE-1 DIESEL GENERATOR ROOM TEMPERATURE		X	54	5203	2004'	J-588B	1	NC		4.0	X			X	(7)	J-820, Figure 3
X	X	X	X	CGMD1A DIESEL GEN. VENT. SUPPLY FAN		X	6	5203	2034'6"	M-619.2	1	C	1.8H 1.2V	3.0H 2.0V	X				(1)	See M-619.2 Attachments
X	X	X	X	HZ-19 (AIR) DIESEL GENERATOR ROOM ISO. DAMPER		X	10	5201	2038'6"	M-627A	1	C	3.1H	4.55H	X			X	(2)	M-627A(Q), App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: VESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: DIESEL GENERATORS BUILDING HVAC (GM)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (3)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)		
													OBE	SSE		STAT	DYN	TEST	CONF		
X	X	X	X	TZ-11A (E/H) FLOW CONTROL DAMPER		X	10	5201	2041'6"	M-627A	1	C	3.1H 2.1V	4.55H 4.55V	X			X		(2)	M-627A(Q), App. M
X	X	X	X	TZ-11B (E/H) FLOW CONTROL DAMPER		X	10	5201	2034'6"	M-627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X		(2)	M-627A(Q), App. M
X	X	X	X	CGM01B DIESEL GEN. VENT. SUPPLY FAN		X	6	5201	2034'6"	M-619.2	1	C	1.8H 1.2V	3.0H 2.0V		X				(1)	See M-619.2 Attachments
X	X	X	X	TE-11 DIESEL GENERATOR ROOM TEMPERATURE		X	54	5201	2004'	J-558B	1	NC		4.0	X			X		(7)	J-820, Figure 3

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM CONTAINMENT COOLING SYSTEM (GN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN			TEST	COMF		NATL FREQ (F)
													OBE	SSE		STAT	DYN				
		X		CGN03A HYDROGEN MIXING FAN		X	70	2000	2047'6"	M619.3	1	C	6H 6V	10H 10V		X				(1)	See M619.3 attachments
		X		CGN03B HYDROGEN MIXING FAN		X	70	2000	2047'6"	M619.3	1	C	6H 6V	10H 10V		X				(1)	See M619.3 attachments
		X		CGN03C HYDROGEN MIXING FAN		X	70	2000	2047'6"	M619.3	1	C	6H 6V	10H 10V		X				(1)	See M619.3 attachments
		X		CGN03D HYDROGEN MIXING FAN		X	70	2000	2047'6"	M619.3	1	C	6H 6V	10H 10V		X				(1)	See M619.3 attachments
X	X	X	X	SGN01B CONTAINMENT COOLER		X	7	2000	2068'8"	M620	1	C	1.3H .85V	1.13H .84V	X	X		X		(1) (1,2)	C-04C12B, 12S
X	X	X	X	TE-63 CONTAINMENT TEMP.		X	54	2000	2073'	J558B	1	NC		4.0	X			X		(7)	J-820
X	X	X	X	SGN01D CONTAINMENT COOLER		X	7	2000	2068'8"	M620	1	C	1.3H .85V	1.13H .84V	X	X		X		(1) (1,2)	C-04C12B, 12S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT COOLING SYSTEM (CN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN			TEST COM	NATL FREQ (F)	
X	X	X	X	TE-61 CONTAINMENT TEMP.		X	54	2000	2073'	J588B	1	NC		4.0	X			X	(7)	J-820
X	X	X	X	SGNO1C CONTAINMENT COOLER		X	7	2000	2068'8"	M620	1	C	1.3H .85V	1.13H .84V	X	X	X		(1) (1,2)	C-04C12B C-04C12S
X	X	X	X	TE-62 CONTAINMENT TEMP.		X	54	2000	2073'	J588B	1	NC		4.0	X			X	(7)	J-820
X	X	X	X	SGNO1A CONTAINMENT COOLER		X	7	2000	2068'8"	M620	1	C	1.3H .85V	1.13H .84V	X	X	X		(1) (1,2)	C-04C12B C-04C12S
X	X	X	X	TE-60 CONTAINMENT TEMP.		X	54	2000	2073'	J588B	1	NC		4.0	X			X	(7)	J-820
		X	X	PT-934 CONTAINMENT PRESSURE	X		73	1504	2029'	ESE-1	1	C		2.8				X	(2)	
		X	X	PT-935 CONTAINMENT PRESSURE	X		73	1506	2029'	ESE-1	1	C		2.8				X	(2)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT COOLING SYSTEM (GN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (p)	SEISMIC ZPA		DYN			NATL FREQ (F)		
		X	X	PT-936 CONTAINMENT PRESSURE	X		73	1409	2029'	ESE-1 ↓	1 ↓	C ↓		2.8 ↓				X ↓	(2) ↓	
		X	X	PT-937 CONTAINMENT PRESSURE	X		73	1410	2029'											
		X	X	PT-938 WIDE RANGE CTMT. PRESSURE	X		73	1409	2029'											
		X	X	PT-939 WIDE RANGE CTMT. PRESSURE	X		73	1410	2029'											

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT HYDROGEN CONTROL SYSTEM (GS)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				RESPON SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREO (F)	
		X	X	HV-4 (SOLENOID) CONTAINMENT ISO. VALVE FROM SAMPLE POINT		X	57	2000	2049'6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
		X	X	HV-13 (SOLENOID) CONTAINMENT ISO. VALVE FROM SAMPLE POINT		X	57	2000	2052'9"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
		X	X	HV-5 (SOLENOID) CONTAINMENT ISO. VALVE FROM SAMPLE POINT		X	57	2000	2049'6"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
		X	X	HV-14 (SOLENOID) CONTAINMENT ISO. VALVE FROM SAMPLE POINT		X	57	2000	2052'3 1/2"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT HYDROGEN CONTROL SYSTEM (GS)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL. (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
		X	X	HV-3 (SOLENOID) CONTAINMENT ISO. TO H ₂ ANALYZER		X	57	1409	2053'1"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
		X	X	HV-12 (SOLENOID) CONTAINMENT ISO. TO H ₂ ANALYZER		X	57	1410	2053'3½"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J.
		X		SGS02B HYDROGEN ANALYZER		X	48	1504	2047'6"	J359	1	NC	2.0 0.5		X			X	(7)	J820, J821, J359, App. F
		X		SGS02A HYDROGEN ANALYZER		X	48	1506	2047'6"	J359	1	NC	2.0 0.5		X			X	(7)	J820, J821, J359, App. B
		X	X	HV-8 (SOLENOID) CONTAINMENT ISO. FROM H ₂ ANALYZER		X	57	1322	2013'7"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
		X	X	HV-17 (SOLENOID) CONTAINMENT ISO. FROM H ₂ ANALYZER		X	57	1323	2013'7"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT HYDROGEN CONTROL SYSTEM (GS)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)	
		X	X	HV-9 (SOLENOID) CONTAINMENT ISO. TO CONTAINMENT ATMOS.		X	57	2000	2013'3"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
		X	X	HV-18 (SOLENOID) CONTAINMENT ISO. VALVE TO CTMT ATMOS.		X	57	2000	2013'3"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
		X		HV-20 (MOTOR) CONTAINMENT ISO. ON AUX. BLDG. ESF FILTERS INLET		X	20	2000	2013'6"	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I
		X		HV-21 (MOTOR) CONTAINMENT ISO.		X	20	1322	2013'6"	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I
		X		SGSO1A ELECTRIC (THERMAL) HYDROGEN RECOMBINER		X	12	2000	2047'6"	M637	1	C	0.5H 0.3V	0.5H 0.3V				X	(4)	10666-C-04C13P, 04C15S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT HYDROGEN CONTROL SYSTEM (GS)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
		X		SGS01B ELECTRIC (THERMAL) HYDROGEN RECOMBINER		X	12	2000	2047'6"	M637	1	C	0.5H 0.3V	0.5H 0.3V				X	(4)	10466-C-04C13B, 04C13S
		X		GS065AA RECOMBINER CONTROL PANEL INSERT		X	12	3605	2047'6"	M637	1	C	0.5H 0.3V	0.5H 0.3V				X	(4)	10466-C-04A03B 04A03S
		X		GS065BA RECOMBINER CONTROL PANEL INSERT		X	12	3605	2047'6"	M637	1	C	0.5H 0.3V	0.5H 0.3V				X	(4)	10466-C-04A05B 04A05S
		X		GS01A RECOMBINER POWER PANEL		X	12	3301	2000'	M637	1	C	0.5H 0.3V	0.5H 0.3V				X	(4)	10466-C-04A03B 04A03S
		X		GS01B RECOMBINER POWER PANEL		X	12	3302	2000'	M637	1	C	0.5H 0.3V	0.5H 0.3V				X	(4)	10466-C-04A03B 04A03S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT HYDROGEN CONTROL SYSTEM (GS)

[illegible]

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT PURGE SYSTEMS HVAC (GT)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1) STAT	(1) DYN	(1) TEST	NATL COMFREQ (F)	
		X		HZ-29 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1504	2066'3"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X		HZ-28 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1504	2066'3"	M627A	1	C	3.1H 3.1H	4.55H 4.55H	X			X	(2)	M627A(Q), App. M
		X	X	HZ-11 (AIR) CONTAINMENT ISO. VALVE		X	17	2000	2062'	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I
		X	X	HZ-12 (AIR) CTMT. ISO. VALVE		X	17	1507	2062'	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I
		X	X	RE-22 CONTAINMENT PURGE RADIATION MONITOR		X	49	1504	2047'6"	J361	1	NC		2.09	X			X	(7)	J820, J821
		X	X	RV-22A (SOLENOID) RE-22 ISO. VALVE		X	57	1504	2062'3"	J603A	1	NC		2.09	X			X	(7)	J820, J821

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT PURGE SYSTEMS HVAC (GT)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT DYN	(I) TEST	(I) COMF	NATL FREO (F)	
		X	X	RV-22B (SOLENOID) RE-22 ISO. VALVE		X	57	1504	2055'	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
		X	X	RE-33 CONTAINMENT PURGE RADIATION MONITOR		X	49	1504	2047'6"	J361	1	NC		2.09	X			X	(7)	J820, J821
		X	X	RV-33A (SOLENOID) RE-33 ISO. VALVE		X	57	1504	2054'10"	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
		X	X	RV-33B (SOLENOID) RE-33 ISO. VALVE		X	57	1504	2055'	J603A	1	NC		(2)	X			X	(1)	J603A, App. J
		X	X	HZ-5 (AIR) CONTAINMENT ISO. VALVE		X	17	2000	2063'	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I
		X	X	HZ-4 (AIR) CTMT. ISO. VALVE		X	17	1506	2063'	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT PURGE SYSTEMS HVAC (GT)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOF	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)	
		X		HZ-27 (MOTOR) AUX. BLDG. ISO. DAMPER		X	10	1506	2058'2"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X		RE-31 CTMT. ATMOS. MONITOR		X	49	1506	2047'6"	J361	1	NC		2.09	X			X	(7)	J820, J821
		X		RE-32 CTMT. ATMOS MONITOR		X	49	1507	2047'6"	J361	1	NC		2.09	X			X	(7)	J820, J821
		X		HZ-26 AUX. BLDG. ISO. DAMPER		X	10	1506	2059'8"	M627A	1	C	3.1H 3.1V	4.55H 4.55V	X			X	(2)	M627A(Q), App. M
		X		HZ-6 CTMT. ISO. VALVE		X	17	1506	2063'	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I
		X		HZ-7 CTMT. ISO. VALVE		X	17	2000	2063'	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CONTAINMENT PURGE SYSTEMS HVAC (GT)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL FREQ (F)	
		X	X	HZ-8 (Air) CONT. ISO. VALVE		X	17	2000	2062'	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I
		X	X	HZ-9 (Air) AUX. BLDG. ISO. VALVE		X	17	1504	2062'	M237	1	NC	(4)	(4)	(4)			X	(7)	M237, App. I

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: LIQUID RADWASTE SYSTEM (HB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1) STAT	(1) DYN	(1) TEST	NATL COMFREQ (F)	
		X	X	HV-7176 (AIR) CTMT. ISO. VALVE	X		73	2000	2005'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	HV-7136 (AIR) CTMT. ISO. VALVE	X		73	1322	2001'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	HV-7126 CTMT ISO. VALVE	X		73	2000	2009'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
		X	X	HV-7150 CTMT ISO. VALVE	X		73	1322	2012'6"	1	3,4	C	(7)	(7)	(7)	X			(1)	(4)
X	X			V036 RCDT HEAT EXCHANGER CCW LINE, PRESSURE RELIEF VALVE (THERMAL RELIEF)		X	61	2000	2027'4"	M-141	2	C	4.5H 4.5V	4.5H 4.5V		X			(1)	(2)

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: EMERGENCY FUEL OIL (JE)

[illegible]

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: EMERGENCY FUEL OIL (JE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST DYN	(I) COM	NATL FREQ (F)		
X	X	X	X	YS-4 PUMP DISCHARGE WYE STRAINER		X	71	5201	2004'1"	M157	-	-	-	-	-	-	-	-	-	(5)	
X	X	X	X	YS-1 PUMP DISCHARGE WYE STRAINER		X	71	5203	2004'1"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
X	X	X	X	YS-3 PUMP DISCHARGE WYE STRAINER		X	71	5201	2004'1"	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
X	X	X	X	TJE02A EMERGENCY FUEL OIL DAY TANK		X	6	5203	2006'3"	M105A	2	C	.36V .35H	.63V .55H		X			1	10466-C-04A05S 10466-C-04A05B	
X	X	X	X	TJE02B EMERGENCY FUEL OIL DAY TANK		X	6	5201	2006'3"	↓	↓	↓	↓	↓		↓			↓	↓	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: EMERGENCY FUEL OIL (JE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)		
X	X	X	X	LT-12 DAY TANK A LEVEL		X	47	5203	2002'10 $\frac{1}{4}$ "	J301	1	C		4.4	X			X		7	J820, Figure 3
X	X	X	X	LT-32 DAY TANK B LEVEL		X	47	5201	2002'10 $\frac{1}{4}$ "	↓	↓	↓		↓	↓		↓		↓	↓	
X	X	X	X	LT-1 DAY TANK A LEVEL		X	47	5203	2002'10 $\frac{1}{4}$ "	↓	↓	↓		↓	↓		↓		↓	↓	
X	X	X	X	LT-21 DAY TANK B LEVEL		X	47	5201	2002'10 $\frac{1}{4}$ "	↓	↓	↓		↓	↓		↓		↓	↓	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPRESSED AIR SYSTEM (KA)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I) TEST	(I) COM	NATL FREQ (F)	
													OBE	SSE		STAT	DYN				
		X	X	FV-29(AIR) CTMT. ISO. VALVE		X	55	1322	2005'6"	J601A	1	NC		(2)	X			X		(7)	J601A, App. M
		X	X	V204 (CHECK) CTMT ISO. VALVE		X	62	2000	2005'5½"	M231C	-	-	-	-	-	-	-	-	-	-	(5)
		X	X	V-039 (CHECK) CTMT ISO. VALVE		X	21	2000	2013'6"	M223C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
		X	X	V118 (MANUAL) CTMT. ISO. VALVE		X	21	1322	2013'6½"	M223C	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X	X	X	TKA02 ACCUMULATOR		X	6	1327	2015'3"	M105B	2	C	0.26H 0.23V	0.42H 0.43V		X				(1)	10466-C-04A10B 10466-C-04A10S
X	X	X	X	PCV-100 (AIR) REGULATING VALVE		X	55	1327	2048'6"	J601A	1	NC		(2)	X			X		(7)	J601A, App. M
X	X	X	X	TKA03 ACCUMULATOR		X	6	1328	2015'3"	M105B	2	C	0.26H 0.23V	0.42H 0.43V		X				(1)	10466-C-04A10B 10466-C-04A10S

PLANT NAME: SHUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

DOCKET NO.: STN 50-482
STN 50-483

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPRESSED AIR SYSTEM (KA)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (1) STAT	(1) DYN	(1) TEST	(1) COM	NATL FREO (F)	
X	X	X	X	PCV-101 (AIR) REGULATING VALVE		X	55	1328	2015'3"	J601A	1	NC		(2)	X			X		(7)	J601A, App. M
X	X	X	X	TKA04 ACCUMULATOR		X	6	1330	2015'3"	M105B	2	C	0.26H 0.23V	0.42H 0.43V		X				(1)	10466-C-04A10B 10466-C-04A10S
X	X	X	X	PCV-102 (AIR) REGULATING VALVE		X	55	1330	2017'	J601A	1	NC		(2)	X			X		(7)	J601A, App. M
X	X	X	X	TKA05 ACCUMULATOR		X	6	1324	2015'3"	M105B	2	C	0.26H 0.23V	0.42H 0.43V		X				(1)	10466-C-04A10B 10466-C-04A10S
X	X	X	X	PCV-103 (AIR) REGULATING VALVE		X	55	1324	2017'	J601A	1	NC		(2)	X			X		(7)	J601A, App. M
		X		HV-30 (MOTOR) H ₂ MAKEUP AIR SUPPLY VALVE		X	62	2000	2006'	M231C	1	C		4.5 (6)		X				(1)	(2)

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPRESSED AIR SYSTEM (KA)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
X	X	X	X	V-703 BACK-UP GAS SUPPLY ACCUMULATOR TANK RELIEF VALVE		X	61	1304	2016'11"	M141	2		4.5H 4.5V	4.5H 4.5V		X				(2)
X	X	X	X	V-704 BACK-UP GAS SUPPLY ACCUMULATOR TANK RELIEF VALVE		X	61	1305	2016'11"	↓	↓		↓	↓		↓				↓
X	X	X	X	V-705 BACK-UP GAS SUPPLY ACCUMULATOR TANK RELIEF VALVE		X	61	1305	2016'11"	↓	↓		↓	↓		↓				↓
X	X	X	X	V-706 BACK-UP GAS SUPPLY ACCUMULATOR TANK RELIEF VALVE		X	61	1304	2016'11"	↓	↓		↓	↓		↓				↓

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: COMPRESSED AIR SYSTEM (KA)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (R)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)		
X	X	X	X	V-710 BACK-UP GAS SUPPLY LINE PRESSURE RELIEF VALVE		X	61	1304	2019'6"	M141	2		4.5H 4.5V	4.5H 4.5V		X				(2)	
X	X	X	X	V-711 BACK-UP GAS SUPPLY LINE PRESSURE RELIEF VALVE		X	61	1305	2019'6"												
X	X	X	X	V-712 BACK-UP GAS SUPPLY LINE PRESSURE RELIEF VALVE		X	61	1305	2017'9"												
X	X	X	X	V-713 BACK-UP GAS SUPPLY LINE PRESSURE RELIEF VALVE		X	61	1304	2017'9"												

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FIRE PROTECTION (KC)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	(I) COMB	NATL FREO (F)	
		X	X	HV-253 (MOTOR) CTMT ISO. VALVE (OUTSIDE)		X	21	1322	2013'6"	M223C	1	C		4.5					X	(1)	(2)
		X	X	V-478 (CHECK) CTMT ISO. VALVE (INSIDE)		X	21	2000	2010'9"	M223C	1	-	-	-	-	-	-	-	-	-	(5)
				KV-561 DELUGE VALVE		X	72	5203	2003'	M-650	1	NC	(4)	(4)	(4)			X		10466-C-D01B, 01S	
				XV-562 DELUGE VALVE		X	72	5201	2003'	M-650	1	NC	(4)	(4)	(4)			X		10466-C-D01B, 01S	

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD						FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (K)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)		(I) TEST	(I) COM	NATL FREO (F)		
												OBE	SSE			STAT	DYN					
X	X	X	X	KKJOIA STANDBY DIESEL ENGINE A		X	I	5203	2004'8"	M018	I	CN	(5)	(5)	(5)	(1)	(1)	(1)	(1)	8	10466-C-D01S, 01B 10466-C-D00S, 00B	
X	X	X	X	KKJOIB STANDBY DIESEL ENGINE B		X	I	5201	2004'8"													
X	X	X	X	TKJOIA JACKET WATER EXPANSION TANK A		X	I	5203	2013'													
X	X	X	X	TKJOIB JACKET WATER EXPANSION TANK B		X	I	5201	2013'													
X	X	X	X	JACKET WATER HX. A		X	I	5203	2003'5½"													
X	X	X	X	JACKET WATER HX. B		X	I	5201	2003'5½"													

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUTPS

DOCKET NO. : STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STANDBY DIESEL ENGINE (KJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (I) STAT DYN	(I) (1)	(I) (1)	NATL COM FREQ (F)		
													OBE	SSE	DYN						
X	X	X	X	INTERCOOLER HEAT EXCHANGER A		X	1	5203	2001'6"	M018	1	CN	(5)	(5)	(5)	(1)	(1)	(1)	(1)	8	10466-C-D01S, 01B 10466-C-D00S, 00B
X	X	X	X	INTERCOOLER HEAT EXCHANGER B		X	1	5201	2001'6"												
X	X	X	X	ENGINE DRIVEN INTERCOOLER PUMP A		X	1	5203	1												
X	X	X	X	ENGINE DRIVEN INTERCOOLER PUMP B		X	1	5201	1												
X	X	X	X	ENGINE DRIVEN JACKET WATER PUMP A		X	1	5203	1												
X	X	X	X	ENGINE DRIVEN JACKET WATER PUMP B		X	1	5201	1												
X	X	X	X	TKJ02A STARTING AIR TANK		X	1	5203	2007'8½"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STANDBY DIESEL ENGINE (KJ)

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STANBY DIESEL ENGINE (KJ)

[illegible]

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STANDBY DIESEL ENGINE (KJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)		
X	X	X	X	PSH-23A HIGH CRANKCASE PRESSURE		X	1	5203	1	M018	1	CN	(5)	(5)	(5)	(1)	(1)	(1)	(1)	e	10466-C-D01S, 01B 10466-C-D00S, 00B
X	X	X	X	PSH-23B HIGH CRANKCASE PRESSURE		X	1	5203	1												
X	X	X	X	PSH-23C HIGH CRANKCASE PRESSURE		X	1	5203	1												
X	X	X	X	PSH-23D HIGH CRANKCASE PRESSURE		X	1	5203	1												
X	X	X	X	PSL-26A LOW LUBE OIL PRESS.		X	1	5203	1												
X	X	X	X	PSL-26B LOW LUBE OIL PRESS.		X	1	5203	1												

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STANDBY DIESEL ENGINE (KJ)

[illegible]

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STANDBY DIESEL ENGINE (KJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL(I) STAT DYN	(I) TEST	(I) COMB	NATL FREO (F)		
X	X	X	X	PS-162 JACKET WATER BACKUP TO ELECT SPEED SWITCH		X	1	5201	1	M018	1	CN	(5)	(5)	(5)	(1)	(1)	(1)	(1)	8	10466-C-D01S, 01B 10466-C-D00S, 00B
X	X	X	X	TCV-160 JACKET WATER HEAT EXCHANGER TEMP CTRL VALVE		X	1	5201	1												
X	X	X	X	TCV-156 INTERCOOLER HEAT EXCHANGER TEMP CTRL VALVE		X	1	5201	1												
X	X	X	X	PSHL-102A START AIR COMPR. 1 START/STOP PRESS. SWITCH		X	1	5201	1												

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STANDBY DIESEL ENGINE (KJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID, NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)		
X	X	X	X	PSH-123D HIGH CRANKCASE PRESS		X	1	5201	1	M018	1	CN	(5)	(5)	(5)	(1)	(1)	(1)	(1)	8	10466-C-D01S, 01B 10466-C-D00S. 00B
X	X	X	X	PSL-126A LOW LUBE OIL PRESS		X	1	5201	1	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X	X	X	PSL-126B LOW LUBE OIL PRESS		X	1	5201	1	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X	X	X	PSL-126C LOW LUBE OIL PRESS		X	1	5201	1	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X	X	X	PSL-126D LOW LUBE OIL PRESS		X	1	5201	1	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X	X	X	TSH-159A HIGH JACKET WATER TEMP.		X	1	5201	1	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
X	X	X	X	TSH-159B HIGH JACKET WATER TEMP.		X	1	5201	1	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

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SAFETY SYSTEM: STANDBY DIESEL ENGINE (KJ)

[illegible]

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STANDBY DIESEL ENGINE (KJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL(I) STAT DYN	(I) TEST	(I) COM	NATL FREO (F)		
X	X	X	X	PV-108 SHUTDOWN AIR SOL VLV		X	1	5201	1	M018	1	CN	(5)	(5)	(5)	(1)	(1)	(1)	(1)	8	'0466-C-D01S, 01B J466-C-D00S, 00B
X	X	X	X	KJ121 DIESEL GAUGE AND CONTROL PANEL		X	1	5203	1												
X	X	X	X	KJ122 DIESEL GAUGE AND CONTROL PANEL		X	1	5201	1												

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
STN 50-483

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: CTRL & DIESEL GEN OILY WASTE SYSTEM (LE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID, NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZFA		DYN	ANAL (I) STAT DYN	(J) TEST	(I) COM	NATL FREQ (E)	
X	X	X	X	LE-105 DIESEL GEN. BLDG LEVEL		X	52	5203	2001'4"	J-481	1	NC		2.0	X			X	(7)	J-820, Figure 3
X	X	X	X	LE-106 DIESEL GEN BLDG LEVEL		X	52	5201	2001'4"	J-481	1	NC		2.0	X			X	(7)	J-820, Figure 3

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FLOOR AND EQUIPMENT DRAIN SYSTEM (LF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MGLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (I)		(I) TEST	(I) COM		NATL FREQ (F)
													OBE	SSE	DYN	STAT	DYN				
X	X	X	X	LE-102A RHR PUMP RM LEVEL		X	52	1111	1968'4½"	J481	1	NC		2.0	X			X	7	J-820	
X	X	X	X	LE-103A AUX. BLDG. LEVEL		X	52	1121	1968'4½"	↓	↓	↓	↓	↓	↓			↓	↓	↓	
X	X	X	X	LE-104A AUX. BLDG. LEVEL		X	52	1121	1968'4½"	↓	↓	↓	↓	↓	↓			↓	↓	↓	
X	X	X	X	LE-101A RHR PUMP RM. LEVEL		X	52	1109	1968'4½"	↓	↓	↓	↓	↓	↓			↓	↓	↓	
X	X	X	X	HV-105 (MOTOR) ISOLATION VALVE		X	19	1101	1975'11"	M225	1	C		4.5 (6)				X	1	(3)	
X	X	X	X	HV-106(MOTOR) ISOLATION VALVE		X	19	1101	1975'11"	↓	↓	↓	↓	↓	↓			↓	↓	↓	
X	X	X	X	LE-124 CONTROL BLDG. SUMP LEVEL		X	52	3101	1975'4½"	J481	1	NC		2.0	X			X	7	J-820	

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: FLOOR AND EQUIPMENT DRAIN SYSTEM (LF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	OBE	SSE	DYN	ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)	
X	X	X	X	LE-125 CONTROL BLDG. SUMP LEVEL		X	52	3101	1975'4 1/2"	J481	1	NC		2.0	X			X	(7)	J-820
X	X	X	X	FV-95 (MOTOR) CONTAINMENT ISO. VALVE		X	19	2000	2005'6"	M225	1	C		4.5 (6)				X	(1)	(2)
X	X	X	X	FV-96 (AIR) CONTAINMENT ISO. VALVE		X	55	1322	2002'	J601A	1	NC		(2)	X	X			(7)	J601A, App. M

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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WSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: LOWER MEDIUM VOLTAGE SYSTEM (NB)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (E)	(I)	(I)	NATL TEST COM FREQ (F)	
X	X	X	X	NB01 (SWGR)		X	23	3301	2000'	E-009	1,3	C	N/A	2.4H 1.25V	X			X		See Specification Attachments
X	X	X	X	NB02 (SWGR)		X	23	3302	2000'	E-009	1,3	C	N/A	2.4H 1.25V	X			X		See Specification Attachments

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: STANDBY GENERATION (NE)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID, NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL (I)	(I)	(I)	NATL TEST COM FREQ (F)	
													OBE	SSE	DYN	STAT	DYN			
X	X	X	X	NE01 GENERATOR		X	1	5203	2000'	M-018	1	C	(5)	(5)		X				10466-C-D01S, 01B 10466-C-D00S, 00B
X	X	X	X	NE02 GENERATOR		X	1	5201	2000'	M-018	1	C	(5)	(5)		X				10466-C-D01S, 01B 10466-C-D00S, 00B
X	X	X	X	NE107 CONTROL & RELAY PANEL		X	1	5203	2000'	M-018	1	C	1.0	1.0				X		10466-C-D01S, 01B 10466-C-D00S, 00B
X	X	X	X	NE106 CONTROL & RELAY PANEL		X	1	5201	2000	M-018	1	C	1.0	1.0				X		10466-C-D01S, 01B 10466-C-D00S, 00B
X	X	X	X	KNG05 ESW MCC TRANSFORMER		X	24	K105 U104	2000' K 2000' 11"U	E-075	1	C	1H .68V	1.04H .7V				X		C-U4P03B, 03S C-K4P02B, 02S
X	X	X	X	KNG06 ESW MCC TRANSFORMER		X	24	K104 U105	2000' K 2000' 11"U	E-075	1	C	1H .68V	1.04H .7V				X		C-U4P03B, 03S C-K4P02B, 02S

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: LOAD SHEDDING/SEQUENCE PANELS (NF)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I)	(I)	(I)	NATL FREQ (F)	
X	X	X	X	NF039A LOAD SHED/SEQ PANEL		X	38	3605	2047'6"	J-104	1	C		.8	X			X	(7)	J-820, Figure 3
X	X	X	X	NF039B LOAD SHED/SEQ PANEL		X	38	3605	2047'6"	J-104	1	C		.8	X			X	(7)	J-820, Figure 3
X	X	X	X	NF039C LOAD SHED/SEQ PANEL		X	38	3605	2047'6"	J-104	1	C		.8	X			X	(7)	J-820, Figure 3

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: LOW-VOLTAGE SYSTEM (NG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOF	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
X	X	X	X	NG01 LOAD CENTER		X	59	3301	2000'	E-017	1,3	C	1.3	1.3	X		X			C-04A03B,S
X	X	X	X	NG02 LOAD CENTER		X	59	3302	2000'	E-017			1.3	1.3						C-04A03B,S
X	X	X	X	NG03 LOAD CENTER		X	59	3301	2000'	E-017			1.3	1.3						C-04A03B,S
X	X	X	X	NG04 LOAD CENTER		X	59	3302	2000'	E-017			1.3	1.3						C-04A03B,S
X	X	X	X	NG05E MCC - KG&E, UE		X	32	ESW Pump House	2000'K 2000'U	E-018			1.55H .6V	2H 1V				(3)		10884-C-U4P02B,S 10881-C-K4P02B,S
X	X	X	X	NG06E MCC - KG&E, UE		X	32	ESW Pump House	2000' K+U	E-018			1.55H .6V	2H 1V				(3)		10884-C-U4P02B,S 10881-C-K4P02B,S
X	X	X	X	NG07 LOAD CENTER - UE		X	59	UHS Cooling Tower	2000'	E-017	✓	✓	1.3	1.3	✓		✓			C-U4H01B,S

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: LOW-VOLTAGE SYSTEM (NG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL CONF (F)	
X	X	X	X	NG08 LOAD CENTER - UE		X	59	UHS Cooling Tower	2000'	E-017	1,3	C	1.3	1.3	X			X	(3)	C-U4H01B,S
X	X	X	X	NG01A MCC		X	32	3301	2000'	E-018	1,3	C	1.55H .6V	2H 1V						C-04A03B,S
X	X	X	X	NG01B MCC		X	32	1410	2026'	E-018										C-04A04B,S
X	X	X	X	NG01T MCC		X	32	1410	2026'	E-018										C-04A04B,S
X	X	X	X	NG03T MCC		X	32	1410	2026'	E-018										C-04A04B,S
X	X	X	X	NG02A MCC		X	32	3302	2000'	E-018										C-04A03B,S
X	X	X	X	NG02B MCC		X	32	1409	2026'	E-018	↓	↓	↓	↓	↓			↓	↓	C-04A04B,S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: LOW-VOLTAGE SYSTEM (NG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (I)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	NG02T MCC		X	32	1409	2026'	E-018	1.3	C	1.55H .6V	2H 1V	X			X	(3)	C-04A04B,S
X	X	X	X	NG04T MCC		X	32	1409	2026'	↓	↓	↓	↓	↓	↓			↓	↓	C-04A04B,S
X	X	X	X	NG03C MCC		X	32	1512	2047'6"	↓	↓	↓	↓	↓	↓			↓	↓	C-04A05B,S
X	X	X	X	NG03D MCC		X	32	5203	2000'	↓	↓	↓	↓	↓	↓			↓	↓	C-D01B,S

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: LOW-VOLTAGE SYSTEM (NG)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (I)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA			ANAL(I)	(I)	(I)	NATL FREQ (F)		
													OBE	SSE	DYN	STAT	DYN	TEST	CONF		
X	X	X	X	NG04C MCC		X	32	1501	2047'6"	E-018	1,3	C	1.55H .6V	2H 1V	X			X		3	C-04A05B,S
X	X	X	X	NG04D MCC		X	32	5201	2000'	↓	↓	↓	↓	↓	↓			↓	↓		C-D01B,S
X	X	X	X	NG07F MCC		X	32	UHS COOLING TOWER	2000"	↓	↓	↓	↓	↓	↓			↓	↓		C-U4H01B,S
X	X	X	X	NG07S MCC		X	32	UHS COOLING TOWER	2000'	↓	↓	↓	↓	↓	↓			↓	↓		
X	X	X	X	NG08F MCC		X	32	UHS COOLING TOWER	2000'	↓	↓	↓	↓	↓	↓			↓	↓		
X	X	X	X	NG08S MCC		X	32	UHS COOLING TOWER	2000'	↓	↓	↓	↓	↓	↓			↓	↓		

DOCKET NO.: STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

SAFETY SYSTEM: 125 V DC SYSTEM (PK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRUM ID. NO. (G)
HSD	CSD	LOCAL	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDARDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
X	X	X	X	NK11 BATTERY RACK		X	34	3407	2016'	E-050	1	NC	(4)	(4)	(4)		X			C-04A10B,S
X	X	X	X	NK12 BATTERY RACK		X	34	3411	2016'	↓	↓	↓	↓	↓	↓	↓	↓			↓
X	X	X	X	NK13 BATTERY RACK		X	34	3413	2016"	↓	↓	↓	↓	↓	↓	↓	↓			↓
X	X	X	X	NK14 BATTERY RACK		X	34	3405	2016"	↓	↓	↓	↓	↓	↓	↓	↓			↓
X	X	X	X	NK01 SWITCHBOARD		X	33	3408	2016'	E-020	1,3	C	1.8H .4V	2.5H .8V	X		X			C-04A1-B,S
X	X	X	X	NK02 SWITCHBOARD		X	33	3410	2016'	↓	↓	↓	↓	↓	↓	↓	↓			↓
X	X	X	X	NK03 SWITCHBOARD		X	33	3413	2016'	↓	↓	↓	↓	↓	↓	↓	↓			↓

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: 125 V DC SYSTEM (PK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	NK04 SWITCHBOARD		X	33	3404	2016'	E-020	1,3	C	1.8H .8V	2.5H .8V	X			X		C-04A10B,S
X	X	X	X	NK41 SWITCHBOARD		X	33	3408	2016'	↓	↓	↓	↓	↓	↓			↓		↓

PLANT NAME: SNUPPS

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET
DOCKET NO.: STN 50-482
STN 50-483

PAGE 215 OF 223
UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: 125 V DC SYSTEM (PK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COM FREQ (F)	
X	X	X	X	NK51 SWBD		X	33	3408	2016'	E020	1,3	C	1.8H .4V	2.5H .8V	X			X		C-04A10B, 10S
X	X	X	X	NK51A LTG PANL		X	33	3408	2016'											
X	X	X	X	NK42 SWBD		X	33	3410	2016'											
X	X	X	X	NK43 SWBD		X	33	3410	2016'											
X	X	X	X	NK44 SWBD		X	33	3404	2016'											
X	X	X	X	NK54 SWBD		X	33	3404	2016'											
X	X	X	X	NK21 CHARGER		X	35	3408	2016'	E051	1,3	C	2.2H 1.7V	2.8H 2.0V	X			X		C-04A10B, 10S

DOCKET NO. : STN 50-482
STN 50-483

UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

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A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: 125 V DC SYSTEM (PK)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)	
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL(I) STAT	DYN	(I) TEST	(I) COM		NATL FREQ (F)
X	X	X	X	NK22 CHARGER		X	33	3410	2016'	E051	1,3	C	2.2H 1.7V	2.8H 2.0V	X			X			C-04A10B, 10S
X	X	X	X	NK23 CHARGER		X	33	3413	2016'	↓	↓	↓	↓	↓	↓			↓			↓
X	X	X	X	NK24 CHARGER		X	33	3404	2016'	↓	↓	↓	↓	↓	↓			↓			↓

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: INSTRUMENT AC POWER (PN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	NN01 SWBD		X	33	3408	2016'	E-053	1,3	C	1.8H .4V	2.5H .8V	X			X		C-04A10B, 10S
X	X	X	X	NN02 SWBD		X	33	3410	2016'	E-053	1,3	C	1.8H .4V	2.5H .8V	X			X		C-04A10B, 10S
X	X	X	X	NN03 SWBD		X	33	3414	2016'	E-053	1,3	C	1.8H .4V	2.5H .8V	X			X		C-04A10B, 10S
X	X	X	X	NN04 SWBD		X	33	3404	2016'	E-053	1,3	C	1.8H .4V	2.5H .8V	X			X		C-04A10B, 10S
X	X	X	X	NN11 INVERTER	X		73	3408	2016'	ESE-18	1	C		2.0				X	(2)	
X	X	X	X	NN12 INVERTER	X		73	3410	2016'	ESE-18	1	C		2.0				X	(2)	
X	X	X	X	NN13 INVERTER	X		73	3414	2016'	ESE-18	1	C		2.0				X	(2)	

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: INSTRUMENT AC POWER (PN)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (I)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	NN14 INVERTER	X		73	3404	2016'	ESE-18	1	C		2.0				X	(2)	
X	X	X	X	XNN05 XFMR		X	27	3408	2016'	E-077	1	C	1.3H 2V	3.1H 2.3V				X	(3)	C-04A04B, 04S
				XPN07A, B, C ISO. XFMR		X	27	3409	2016'	E-077	1	C	1.3H 2V	3.1H 2.3V				X	(3)	C-04A04B, 04S
				XPN08A, B, C ISO. XFMR		X	27	3403	2016'	E-077	1	C	1.3H 2V	3.1H 2.3V				X	(3)	C-04A 4B, 04S
X	X	X	X	XNN06 XFMR		X	27	3408	2016	E-077	1	C	1.3H 2V	3.1H 2.3V				X	(3)	C-04A04B, .04S

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483CITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MAIN CONTROL BOARDS (RL)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT(E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECT. ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR	ROOM NO.	ELEV.	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA OBE	SSE	DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)	
X	X	X	X	MAIN CONTROL BOARDS RL001/002, RL003/004 RL005/005, RL011/012 RL013/014, RL015/016 RL017/018, RL019/020 RL021/022, RL023/024 RL025/026, RL027/028		X	43	3601	2000'	J200	1	NC					X		(7)	10466-C-04A055

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

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PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: MISCELLANEOUS CONTROL PANELS (RP)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (H)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA ORE	SSE	DYN	ANAL (I) STAT DYN	(I) TEST	(I) COM	NATL FREQ (F)	
X	X			AUX. SHUTDOWN PANEL		X	46	1413	2026'	J-201	1	NC		0.35	X		X		(7)	10466-J-201-0147
		X	X	MISC. BALANCE OF PLANT		X	46	3601	2047'6"	J-201	1	NC		0.35	X		X		(7)	10466-J-201-0147
X	X	X	X	RP209 AUX. RELAY RACK		X	37	1320	2000'	E-093- 038	1	C		.36V .33H		X			(1)	10466-C-04A03S
X	X	X	X	RP210 AUX RELAY RACK		X	37	1402	2026'	E-093- 038	1	C		.36V .33H		X			(1)	10466-C-04A03S
X	X	X	X	RP266 AUX RELAY RACK		X	37	1305	2026'	E-093- 038	1	C		.36V .33H		X			(1)	10466-C-04A03S
X	X	X	X	RP139 AUX RELAY RACK		X	37	3301	2000'	E-093- 038	1	C		.36V .33H		X			(1)	10466-C-04A03S
X	X	X	X	RP140 AUX RELAY RACK		X	37	3302	2000'	E-093- 038	1	C		.36V .33H		X			(1)	10466-C-04A03S
X	X	X	X	RP053A,B, D BOP INSTR RACK		X	42	3605	2047'6"	J-110	1	C		.8	X		X		(7)	J-820, Figure 3

SEISMIC AND DYNAMIC QUALIFICATION STATUS SHEET

PLANT NAME: SNUPPS

DOCKET NO.: STN 50-482
STN 50-483

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

NSSS: WESTINGHOUSE

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: BOP ENGINEERED SAFETY FEATURES ACUTATION SYSTEM (CA)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD				FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	TEST DYN	(I) COM	NATL FREQ (F)	
X	X	X	X	SA036A & D		X	38	3605	2047'6"	J104	1	C		.8	X			X	(7)	J-820, Figure 3
X	X	X	X	SA036B & E		X	38	3605	2047'6"	↓	↓	↓	↓	↓	↓			↓	↓	↓
X	X	X	X	SA036C		X	38	3605	2047'6"	↓	↓	↓	↓	↓	↓			↓	↓	↓
				SA066A		X	28	3605	2047'6"	E-094	1	C	1.3H 0.61V (1)	2.2H 0.95V (1)			X		(2,5)	10466-C-04A05B, 058
				SA066B		X	28	3605	2047'6"	E-094	1	C	1.3H 0.61V (1)	2.2H 0.95V (1)			X		(2,5)	10466-C-04A05B, ' .9
				SA066C		X	28	3605	2047'6"	E-094	1	C	1.3H 0.61V (1)	2.2H 0.95V (1)			X		(2,5)	10466-C-04A05B, 058

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UTILITY: KANSAS GAS & ELECTRIC, KANSAS CITY POWER LIGHT
UNION ELECTRIC COMPANY

A/E: BECHTEL POWER CORPORATION

SAFETY SYSTEM: NUCLEAR SAMPLING SYSTEM (SJ)

FUNCTION (A)				EQUIPMENT TYPE	SUPPLIER			LOCATION		QUALIFICATION PLAN			LOAD INPUT (E)			QUALIFICATION METHOD					FLOOR RESPONSE SPECTRA ID. NO. (G)
HSD	CSD	LOCA	MSLB		NSSS	BOP	VENDOR (J)	ROOM NO.	ELEV. (B)	IDENT (H)	CODES/ STANDS (C)	STATUS (D)	SEISMIC ZPA		DYN	ANAL (I) STAT	(I) DYN	(I) TEST	NATL COMFREQ (F)		
		X		HV-20 (SOLENOID) PRESSURE LIQUID SAMPLE ISOLATION VALVE		X	57	2201	2000'	J603A	1	NC		(2)	X			X	(1)	J603A, App. J	
		X	X	HV-128, 129, 130, 131, 132, 127, CONTAINMENT ISO. (SOLENOID)		X	57	1322	2000'	↓	↓	↓	↓	↓	↓			↓	↓	↓	
		X	X	V-111 (CHECK) CONTAINMENT ISO.		X	62	2000	2000'	M231C	--	--	--	--	--	-	-	-	-	(5)	