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 STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publi 05000529
 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publi 05000530

AUTH.NAME AUTHOR AFFILIATION
 VAN BRUNT,E.E. Arizona Public Service Co.
 RECIP.NAME RECIPIENT AFFILIATION
 KNIGHTON,G. Licensing Branch 3

SUBJECT: Agrees to maintain letdown loop classifications as indicated
 in current FSAR rev. Marked-up pages to proposed
 classification changes encl.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 5
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NOTES: Standardized plant. 05000528
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Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

August 30, 1983
ANPP-27682 - WFQ/KEJ

Director of Nuclear Reactor Regulation
Attention: Mr. George Knighton, Chief
Licensing Branch No. 3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Palo Verde Nuclear Generating Station
(PVNGS) Units 1, 2 and 3
Docket Nos. STN-50-528/529/530
File: 83-056-026; G.1.01.10

- References: 1. Letter from G. W. Knighton, NRC to E. E. Van Brunt, Jr., APS,
dated June 21, 1983.
2. Letter from E. E. Van Brunt, Jr., APS to G. W. Knighton, NRC,
dated May 2, 1983, (ANPP-23635).

Dear Mr. Knighton:

The Referenced (1) letter provided the Staff's comments concerning a proposed revision to the Palo Verde FSAR relating to Component Classification (Section 3.2.2 and table 3.2-1) and the scope of augmented inservice inspection (Section 3.6.2 and 6.6.8) which had been forwarded to the NRC per the Reference (2) letter.

The Staff's comments stated that the proposed changes to the FSAR were acceptable, with one exception. With respect to the Chemical and Volume Control System, the proposed classification change for components in the letdown loop of the system would not be acceptable since the classification would be below the level recommended by Regulatory Guide 1.26.

APS has reviewed this comment, and agrees to maintain the letdown loop classifications as indicated in the current revision of the FSAR. Attached are marked up pages to the proposed classification changes from the previous submittal (Reference (2)).

If you have any further questions or comments concerning this matter, please contact me.

Very truly yours,

E. E. Van Brunt

E. E. Van Brunt, Jr.
APS Vice President,
Nuclear Projects
ANPP Project Director

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A PDR

EEVBjr/KEJ/sp
Attachment

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Mr. G. W. Knighton

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August 30, 1983

ANPP-27682 - WFQ/KEJ

cc: E. A. Licitra (w/a)
M. Hum "
D. Terao "
J. Spraul "
A. C. Gehr "

August 30, 1983
ANPP-27682 - WFQ/KEJ

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, A. Carter Rogers, represent that I am Nuclear Engineering Manager of Arizona Public Service Company, that the foregoing document has been signed by me for Edwin E. Van Brunt, Jr., Vice President Nuclear Projects, on behalf of Arizona Public Service Company with full authority so to do, that I have read such document and know its contents, and that to the best of my knowledge and behalf, the statements made therein are true.

A. Carter Rogers
A. Carter Rogers

Sworn to before me this 30 day of August, 1983

Nora E. Meador
Notary Public

My Commission expires:

My Commission Expires April 6, 1987



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Table 3.2-1.

QUALITY CLASSIFICATION OF STRUCTURES, SYSTEMS AND COMPONENTS (Sheet 2 of 37)

18

Principal Components	Location	Principal Construction Codes and Standards	Seismic Category	PVNGS Quality Assurance Class	Regulatory Guide 1.26 Quality Group Classification	ANSI N18.2 Safety Class
Safety and relief valves within reactor coolant pressure boundary	C	III-1	I	Q	A	1
Containment isolation	C,AB	III-2	I	Q	B	2
Supports and hangers	C	III-NF(n)	(h)	(h)	na	1,2
3. Chemical and volume control system						
Regenerative heat exchanger	C	III-2	I	Q	B	2
Letdown heat exchanger	AB	III-2/3	I	Q	B/C (cc)	2/3 (1)
Purification ion exchanger	AB	III-2	I	Q	B (cc)	2
Deborating ion exchanger	AB	III-2	I	Q	B (cc)	2
Purification filters	AB	III-2	I	Q	B (cc)	2
Volume control tank	AB	III-2	I	Q	B (cc)	2
Charging pumps	AB	III-2	I	Q	B (cc)	2
Charging pump motors	AB	IEEE 323/334/344	I	Q	na	na
Seal injection filter	AB	III-2	I	Q	B (cc)	2
Letdown control valves	AB	III-2	I	Q	B (cc)	2
Boric acid makeup pumps	AB	III-3	I	Q	C	3
Boric acid filter	AB	III-3	I	Q	C	3
Boric acid batching tank	AB	VIII	na	na	D	NNS
Boric acid batching tank heaters	AB	na	na	na	na	na
Chemical addition tank	AB	VIII	na	na	D	NNS
Boronometer	AB	na	na	na	na	na
CVCS holdup tank	AB	API-650	na	na	D	NNS
CVCS holdup tank pumps	AB	(g)	na	na	D	NNS
Equipment drain tank	AB	III-3	I	Q	C (cc)	3
Reactor drain tank	C	VIII	na	na	D	NNS
Reactor drain tank pumps	AB	III-3	I	Q	C (cc)	3
Reactor drain filter	AB	III-3	I	Q	C (cc)	3
Preholdup ion exchangers	AB	III-3	I	Q	C (cc)	3
Gas stripper	AB	III-3	na (s)	na (s)	D	NNS
Reactor makeup water tank	OU	API-650	na	na	D	NNS
Reactor makeup water pumps	AB	(g)	na	na	D	NNS
Reactor makeup water filter	AB	VIII	na	na	D	NNS
Boric acid concentrator	AB	VIII	na	na	D	NNS

PVNGS FSAR

CLASSIFICATION OF STRUCTURES,
COMPONENTS, AND SYSTEMS

Table 3.2-1

QUALITY CLASSIFICATION OF STRUCTURES, SYSTEMS AND COMPONENTS (Sheet 3 of 37)

18

Principal Components	Location	Principal Construction Codes and Standards	Seismic Category	PVNGS Quality Assurance Class	Regulatory Guide 1.26 Quality Group Classification	ANSI N18.2 Safety Class
Boric acid condensate ion exchanger	AB	VIII	na	na	D	NNS
Refueling water tank	OU	(a)	I	Q	B	2
Chemical addition pump	AB	(g)	na	na	D	NNS
Piping and valves						
Within reactor coolant pressure boundary	C	III-1(i)	I	Q	A(i)	1(i)
Containment penetrations	C	III-2	I	Q	B	2
Within purification system	AB	III-2	I	Q	B	2
Within seal water system	C,AB	III-2	I	Q	B	2
Within boric acid recovery system						
Containment isolation valve for reactor drain tank	AB	III-2	I	Q	B	2
Remainder	AB	B31.1	na	na	D	NNS
Within reactor makeup water system	AB	B31.1	na	na	D	NNS
Within boric acid makeup system	AB	III-3	I	Q	C	3
To boric acid batching tank	AB	B31.1	na	na	D	NNS
From refueling water tank to second isolation valve	OU	III-2	I	Q	B	2
Piping support and hangers	C,AB	III-NF(n)	(h)	(h)	na	2,3,NNS
4. Safety injection and shutdown cooling system						
Low pressure safety injection pumps	AB	III-2	I	Q	B	2
Low pressure safety injection pump motors	AB	IEEE-323/344	I	Q	na	na
Shutdown cooling heat exchangers	AB	III-2/3	I	Q	B/C	2/3(1)
High pressure safety injection pumps	AB	III-2	I	Q	B	2
High pressure safety injection pump motors	AB	IEEE-323/344	I	Q	na	na
Safety injection tanks	C	III-2	I	Q	B	2

PVNGS FSAR

CLASSIFICATION OF STRUCTURES,
COMPONENTS, AND SYSTEMS

1/2

