

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8211300260 DOC.DATE: 82/11/24 NOTARIZED: NO DOCKET #
 FACIL:STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publi 05000528
 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
 NOVAK,T.H. Assistant Director for Licensing

SUBJECT: Responds to Confirmatory Item 12 of NUREG-0857,SER for facilities verifying that low flow alarms on low power injection pumps powered from emergency power sources.

DISTRIBUTION CODE: B001S COPIES RECEIVED:LTR 1 ENCL 1 SIZE:-----
 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

NOTES:Standardized plant. 05000528
 Standardized plant. 05000529
 Standardized plant. 05000530

RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
NRR/DL/ADL	1 0	NRR LB3 BC	1 0
NRR LB3 LA	1 0	LICITRA,E. 01	1 1
INTERNAL: ELD/HDS3	1 0	IE FILE	1 1
IE/DEP EPDS 35	1 1	IE/DEP/EPLB 36	3 3
NRR/DE/AEAB	1 0	NRR/DE/CEB 11	1 1
NRR/DE/EQB 13	2 2	NRR/DE/GB 28	2 2
NRR/DE/HGEB 30	1 1	NRR/DE/MEB 18	1 1
NRR/DE/MTEB 17	1 1	NRR/DE/QAB 21	1 1
NRR/DE/SAB 24	1 1	NRR/DE/SEB 25	1 1
NRR/DHFS/HFEB40	1 1	NRR/DHFS/LQB 32	1 1
NRR/DHFS/OLB 34	1 1	NRR/DL/SSPB	1 0
NRR/DSI/AEB 26	1 1	NRR/DSI/CPB 10	1 1
NRR/DSI/CSB 09	1 1	NRR/DSI/ICSB 16	1 1
NRR/DSI/METB 12	1 1	NRR/DSI/PSB 19	1 1
NRR/DSI/RAB 22	1 1	NRR/DSI/RSB 23	1 1
REG FILE 04	1 1	RGN5	3 3
RM/DDAMI/MIB	1 0		

EXTERNAL: ACRS	41	6	6	BNL(AMDTs ONLY)	1	1
DMB/DSS (AMDTs)	1	1	1	FEMA-REP DIV 39	1	1
LPDR	03	1	1	NRC PDR 02	1	1
NSIC	05	1	1	NTIS	1	1

TOTAL NUMBER OF COPIES REQUIRED: LTTR 52 ENCL 45

ADL

THE UNITED STATES OF AMERICA
 GEOLOGICAL SURVEY
 WATER RESOURCES DIVISION
 ALBUQUERQUE, NEW MEXICO
 REPORT NO. 10
 1910

THE UNITED STATES OF AMERICA
 GEOLOGICAL SURVEY
 WATER RESOURCES DIVISION
 ALBUQUERQUE, NEW MEXICO
 REPORT NO. 10
 1910

THE UNITED STATES OF AMERICA
 GEOLOGICAL SURVEY
 WATER RESOURCES DIVISION
 ALBUQUERQUE, NEW MEXICO
 REPORT NO. 10
 1910

THE UNITED STATES OF AMERICA
 GEOLOGICAL SURVEY
 WATER RESOURCES DIVISION
 ALBUQUERQUE, NEW MEXICO
 REPORT NO. 10
 1910

THE UNITED STATES OF AMERICA
 GEOLOGICAL SURVEY
 WATER RESOURCES DIVISION
 ALBUQUERQUE, NEW MEXICO
 REPORT NO. 10
 1910

NO.	NAME	DATE	TIME	PLACE	REMARKS
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

November 24, 1982
ANPP-22383 - WFQ/JYM

Mr. T. H. Novak
Assistant Director for Licensing
Division of Licensing
Office of Nuclear Reactor Regulation
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: 82-056-026; G.1.01.10

Reference: NUREG-0857, "Safety Evaluation Report" related to the Operation
of Palo Verde Nuclear Generating Station
(PVNGS) Units 1, 2 and 3 dated November, 1981.

Dear Mr. Novak:

Section 5.4.3 of the Referenced SER (pg. 5-14, 15) discussed the necessity
for confirmation that low flow alarms on the LPI pumps are powered from
emergency power sources.

The following information responds to the SER concern:

LPSI pump low flow alarms are provided by the Plant Monitoring System
(PMS). The PMS monitors the analog inputs from the flow transmitter
and generates an alarm when a programmed setpoint value is reached. The
flow transmitters are powered by emergency power. The PMS is powered by
a reliable, but not an emergency power source. An Uninterruptable Power
Supply (UPS) provides power to the PMS from the 125V dc station battery
or, optionally, from a 120V ac instrument bus. The station battery is
rated for two hours of fully loaded operation.

The above discussion responds to the request made by confirmatory item No. 12
of the subject SER. If you have any questions concerning this matter, please
contact me.

Very truly yours,



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

8211300260 821124
PDR ADOCK 05000528
PDR
E

EEVBJr/JYM/sp

cc: E. Licitra L. Bernabei P. Hourihan A. C. Gehr

3001

