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 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publ 05000528
 AUTH. NAME: AUTHOR AFFILIATION
 VAN BRUNT, E. E. Arizona Public Service Co.
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 KNIGHTON, G. Licensing Branch 3

SUBJECT: Forwards schedules for completion of OL review of open & confirmatory issues identified in SSER 5.

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NRR/DE/CEB 11	1 1	NRR/DE/EHEB	1 1
NRR/DE/eqB 13	2 2	NRR/DE/G8 28	2 2
NRR/DE/MEB 18	1 1	NRR/DE/MTEB 17	1 1
NRR/DE/SAB 24	1 1	NRR/DE/SGEB 25	1 1
NRR/DHFS/HFEB40	1 1	NRR/DHFS/LQB 32	1 1
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NRR/DSI/AEB 26	1 1	NRR/DSI/ASB	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/R8B 23	1 1	REG. FILE 04	1 1
RGNS	3 3	RM/DDAMI/MIB	1 0
EXTERNAL: ACRS 41	6 6	BNL (AMDTs ONLY)	1 1
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Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

December 23, 1983
ANPP-28492 - 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

Reference: Letter from T. Novak, NRC to E. E. Van Brunt, Jr., APS, dated
November 18, 1983. Subject: Schedule for Completion of OL
Review of Palo Verde Unit 1

Dear Mr. Knighton:

The referenced letter submitted a summary of the remaining open and confirmatory issues, identified as of Supplement No. 5 to the Palo Verde SER, for which the staff has not yet received the necessary information to complete its review as required to issue an operating license.

Attached is a copy of these issues along with our present schedule to submit the requested information. In addition, the referenced letter stated that the staff will need to review the final resolution of the anomalies found at Palo Verde Unit 1 following hot functional testing (i.e., those involving the RCS pumps, thermal sleeves, thermowells and CEA shroud assemblies). A schedule for submittal of resolution on these matters is included in Attachment A.

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THE
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D. C.

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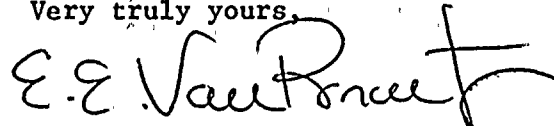
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Director of Nuclear Reactor Regulation
Attention: Mr. George Knighton, Chief
Page Two

If you have any questions concerning this schedule, please contact me.

Very truly yours,

A handwritten signature in dark ink, appearing to read "E. E. Van Brunt, Jr.", with a stylized flourish at the end.

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

EEVB/KEJ/sls

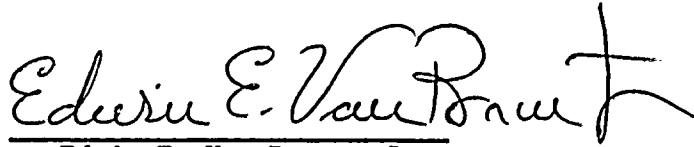
Attachments

cc: A. C. Gehr (w/a)
E. Licitra (w/a)

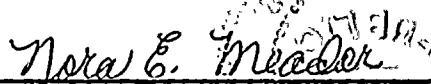
December 23, 1983
ANPP-28492 - WFQ/KEJ

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

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

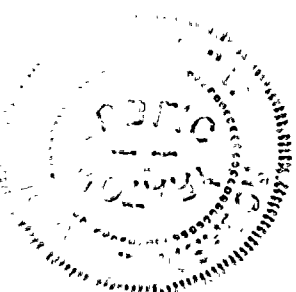

Edwin E. Van Brunt, Jr.

Sworn to before me this 23 day of December, 1983.


Notary Public

My Commission Expires:

My Commission Expires April 6, 1987



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DIVISION OF HUMAN FACTORS SAFETY

<u>Review Area</u>	<u>SER Section</u>	<u>Item Identification</u>	<u>APS Schedule</u>
PSRB	I.C.1	Procedure Generation Package	01/10/84
HFEB	I.D.1	Control Room Design Review	01/31/84

OTHER SCOPE

EPLB	13.3 (SSER 5)	Emergency Planning	See Attachment A
PRSLB	13.6 (SSER 5)	Security Program	Completed 12/07/83
----	17.7 (SSER 5)	Torrey Pines QA Evaluation	01/20/84

DIVISION OF ENGINEERING

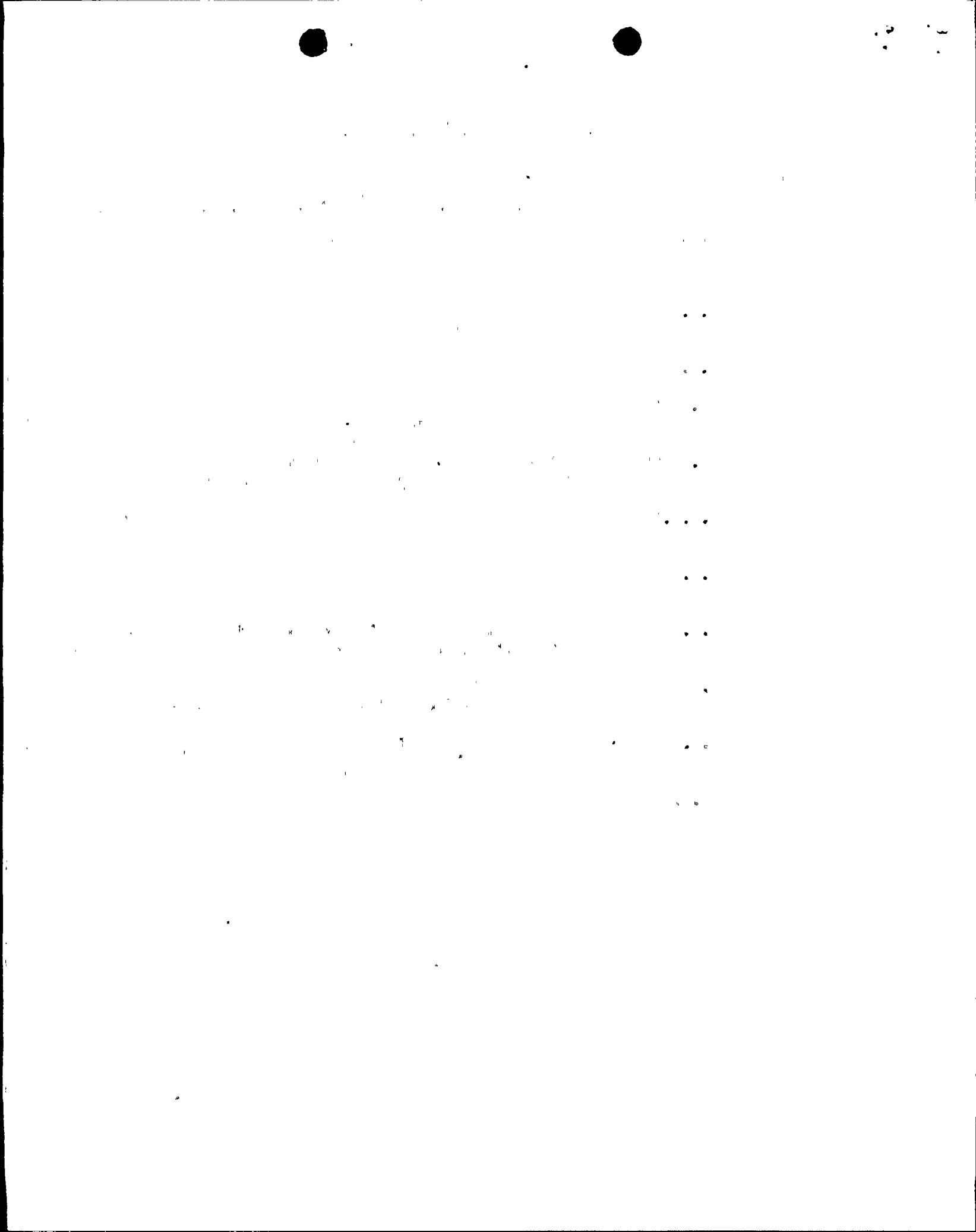
<u>Review Area</u>	<u>SER Section</u>	<u>Item Identification</u>	<u>APS Schedule</u>
MEB	3.9.1 (SSER5)	Testing of Load Limiting Device	02/29/84
	3.9.7	Categorization of Pressure Isolation Valves (Under Staff Review)	
	Appendix 3A Appendix 5A (FSAR)	Leak Testing of Check Valves (Under Staff Review)	
EQB	3.9.3.2 (SSER 5)	Completion of Pump and Valve Operability Program	See Attachment A
	3.10 (SSER 5)	Completion of Seismic Qualification Program	Completed 12/02/83
	3.11 (SSER 5)	Issues Involving Environmental Qualification of Equipment	Completed 12/20/83
CMEB	9.5	Fire Protection Program Site Audit Issues	Completed 12/01/83
MTEB	3.8.3 (SSER5)	Structural Welding Code AWS D1.1-72	Completed 12/14/83
	5.2.4	PSI Program for RCPB (Units 2 & 3)	02/84
	5.3.3 (SSER2)	Pressurized Thermal Shock (Units 2 & 3)	03/84
	6.6.2	PSI Program for Class 2 & 3 Components (Units 2 & 3)	02/84

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DIVISION OF SYSTEMS INTEGRATION

<u>Review Area</u>	<u>SER Section</u>	<u>Item Identification</u>	<u>APS Schedule</u>
ICSB	7.7.2	Qualification of Control Systems	See Attachemnt A
RSB	5.4.3	Test Program Modifications (Accumulator)(Under Staff Review)	
	6.3.1	NPSH for ECCS Pumps	02/15/84
	15.4.5(SSER5)	Steam Generator Tube Rupture Accident (Under Staff Review)	
	18.0 (SSER 1)	Reliability of Shutdown Heat Removal System (PORV Issue)(Under Staff Review)	
ASB	9.5.1.6 (SSER 5)	Alternate Shutdown	Completed 11/23/83
CPB	4.2.1	Seismic and LOCA Loads (Fuel Assemblies)(Under Staff Review)	
	4.2.5(SSER5)	Guide Tube Wear Surveillance for Unit 2 (CESSAR Interface)	04/84
	4.4 (SSER 5)	Plant Specific SCU Information (CESSAR Interface)	Completed 11/09/83
	7.2.4	CPC Software Modifications (Under Staff Review)	
	II.F.2 (SSER 5)	Information on ICC System (Under Staff Review)	



ATTACHMENT A

1. Section 13.3 (SSER 5) Emergency Planning

Issues discussed in SSER 5 and their associated resolution schedules are as follows.

Section 13.2.3.2 of SSER 5

- B. Onsite Emergency Organization
 - (2) Addressed in E-Plan, Rev. 3, Section 4.2-2, 4.2-3, 4.2-4 and Table 4.2-5.
 - (3) Addressed in E-Plan, Rev. 3, Section 4.2-2.
- D. Emergency Classification System
 - (1) E-Plan, Rev. 3 covers this issue in Table 5.1-4.
- H. Emergency Facilities & Equipment
 - (2) Addressed in E-Plan, Rev. 3, Section 4.2, Table 4.2-5
 - (3) To be submitted on 12/29/83
- I. Accident Assessment
 - (1) See item D(1).
- J. Protective Response
 - (6) Time Evacuation Study will be completed by January 15, 1984.
 - (9) Hassayama Pump Station is the Alternate Assembly Area, addressed in E-Plan, Rev. 3, Section 6.6.1.6

2. Section 3.9.3.2 (SSER 5) Completion of Pump and Valve Operability Program.

Confirmation that the PVNGS Pump and Valve Operability Program is 100% complete will be provided to the staff at least 60 days prior to fuel load.

3. Section 7.7.2 Qualification of Control System.

APS responded to an NRC request for additional information on 11/16/83. Subsequent telecons between APS and NRC resulted in a need for clarification to the 11/16/83 letter. APS will submit this additional information by 2/29/84.

4. Schedule for resolution of anomalies found at PVNGS Unit 1 following hot functional testing.

SECRET

TO: [illegible] FROM: [illegible] SUBJECT: [illegible]

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Attachment A (cont)

4. (cont.)

The following schedule was presented to the ACRS Subcommittee on Fluid Dynamics on December 8, 1983 in Washington, D.C.

Report Schedules

<u>DESCRIPTION</u>	<u>INTERIM REPORT TO NRC</u>
Thermowells	1/10/84
Thermal Sleeves	1/2/84
Reactor Coolant Pumps Vane Failure Bolt Failure	1/20/84
Upper Guide Structure	1/31/84

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