

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8403090012 DOC.DATE: 84/02/29 NOTARIZED: YES 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
 KNIGHTON,G.W. Licensing Branch 3

SUBJECT: Forwards "High Pressure Safety Injection Pump," mechanical
 environ qualification rept,per SSER 5 (NUREG-0857). *SEE REF*

DISTRIBUTION CODE: A048S COPIES RECEIVED:LTR 1 ENCL 16 SIZE: 2 198
 TITLE: OR/Licensing Submittal: Equipment Qualification

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

RECIPIENT			COPIES		RECIPIENT			COPIES	
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INTERNAL:	ELD/HDS3	12	1	1	GC	13	1	1	
	IE FILE	09	1	1	NRR KARSCH,R		1	1	
	NRR/DE/EQB	07	2	2	NRR/DL DIR	14	1	1	
	NRR/DL/QRAB	06	1	1	NRR/DSI/AEB		1	1	
	REG FILE	04	1	1	RGN5		1	1	
EXTERNAL:	ACRS	15	8	0	LPDR	03	1	1	
	NRC PDR	02	1	1	NSIC	05	1	1	
	NTIS	31	1	1					

Limited Dist.

Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

February 29, 1984
ANPP-28970 - WFQ/TFQ

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: 84-056-026; G.1.01.10

Reference: NUREG-0857, Supplement No. 5, "Safety Evaluation Report
related to the operation of Palo Verde Nuclear Generating
Station, Units 1, 2 and 3", dated November, 1983.

Dear Mr. Knighton:

Appendix B, Section 4.2(2) of the referenced document requested
qualification documents for three items of our mechanical equipment
qualification program for audit. We are hereby submitting fifteen copies
of the documents for your review.

If you have any comments or questions, please contact me.

Very truly yours,

E. E. Van Brunt

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

EEVB/TFQ/sp
Attachment

cc: E. A. Licitra (w/a)
A. C. Gehr "
H. Garg (NRC/EQB) "

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PDR ADOCK 05000528
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February 29, 1984
ANPP-28970 - WFQ/TFQ

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, 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 belief, the statements made therein are true.

A. Carter Rogers
A. Carter Rogers

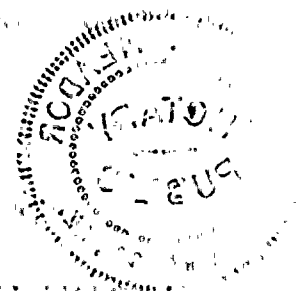
Sworn to before me this 29th day of February, 1984.

Nora E. Meador
Notary Public

My Commission Expires:

My Commission Expires April 6, 1987

SECRET



614359 EST FEB 15/1984

ZCZC ANPT 3133; PHOENIX, AZ; FEBRUARY 15, 1984
5102246410

TARGET ROCK CORPORATION
1966E BROADHOLLOW RD.
EAST FARMINGDALE, NY 11735

ATTN: MR. THOMAS D. CROWLEY
BT
ANPT-3133-JTE/MLR

SUBJECT: ENVIRONMENTAL QUALIFICATION OF TRC
PRESSURE RELIEF VALVES
FILE: 13-JM-691

REFERENCE: TELEPHONE CONVERSATION BETWEEN THOMAS CROWLEY,
MARTIN RAINES AND ED GCUVIER OF FEBRUARY 15, 1984.

GENTLEMEN:

THIS IS TO CONFIRM THE REFERENCED CONVERSATION CONCERNING
ENVIRONMENTAL QUALIFICATION OF TRC SAFETY RELIEF VALVES.

APS EXPLAINED THAT AS PART OF THE EQUIPMENT QUALIFICATION EFFORT,
THE NUCLEAR REGULATORY AGENCY HAD REQUESTED THAT WE SUBMIT THREE
MECHANICAL ENVIRONMENTAL REPORTS FOR REVIEW OF WHICH TRC SAFETY
RELIEF VALVES, PURCHASED UNDER 13-JM-691, WERE SELECTED. APS
STATED THAT AS PART OF THE RECT SUPPLIED BY TRC (EPT. NO. 3580A),
WE HAD PERFORMED AN ADDITIONAL AGING ANALYSIS TO SUPPLEMENT THE
TRC DATA. THE RESULTS INDICATED A QUALIFIED LIFE OF FORTY YEARS
MINIMUM AS OPPOSED TO THE FIVE YEARS STATED IN SECTION 6.0,
PAGE 15 OF 19, TRC RPT. 3580A. THIS DISCREPANCY PROMPTED THE NRC
TO REQUEST THAT APS OBTAIN CONCURRENCE FROM TRC FOR THE APS
CALCULATIONS.

IT WAS FURTHER DISCUSSED THAT APS MAKES A DISTINCTION BETWEEN
QUALIFIED LIFE AND DESIGN LIFE. FOR SITUATIONS WHERE THE RECOMMENDED
REPLACEMENT INTERVAL (DESIGN LIFE) IS LESS THAN THE QUALIFIED LIFE,
APS MAKES EVERY EFFORT TO COMPLY WITH SUPPLIER RECOMMENDATIONS.
HOWEVER, IF LIMITATIONS ON AVAILABLE MANPOWER OR TIME CONSTRAINTS
PREVENTED REPLACEMENT WITHIN THE RECOMMENDED TIME FRAME, THIS
WOULD NOT RENDER THE EQUIPMENT UNQUALIFIED AND OPEN APS TO A
POTENTIAL NRC VIOLATION OR FINDING.

IT WAS ALSO DISCUSSED THAT PERIODIC OPERABILITY TESTING COUPLED
WITH DETAILED SURVEILLANCE OF SELECTED "WORSE CASE" VALVES COULD
ESTABLISH OPERABILITY OF THE REMAINING VALVES WHOSE AGE DEGRADABLE
COMPONENTS REMAINED IN PLACE IN EXCESS OF THE DESIGN LIFE OR
REPLACEMENT INTERVAL BUT LESS THE QUALIFIED LIFE.

APS COMMITTED TO TRANSMIT A COPY OF THE CALCULATIONS REVIEWED BY THE
NRC VIA FEDERAL EXPRESS AND REQUESTED TARGET ROCK CORPORATION TO
PROVIDE THEIR OPINIONS/RECOMMENDATIONS PRIOR TO OUR REQUIRED
RESPONSE DATE OF MARCH 4, 1984 TO THE NRC.

IF YOU REQUIRE FURTHER INFORMATION, PLEASE CONTACT MARTIN RAINES
AT (602) 943-7200, EXT. 6054. FOR YOUR CONVENIENCE, OUR TELEX
NUMBER IS 668308-AZ PUESVC PHX.

VERY TRULY YOURS,

E. E. VAN BRUNT, JR.
APS VICE PRESIDENT, NUCLEAR
ANPP PROJECT DIRECTOR

EEVEJR/MLR/DH

CC: A. C. ROGERS
J. T. BARROW
E. J. GCUVIER
T. F. QUAN
V. L. KEDANIS

NNNNEND

TARGET ROCK FDLE

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WU INFCMASTER 1-0077871054 02/23/84
TWX TARGETROCK FOLL
2020 1347 FARMINGDALE, N.Y. FLE. 23
TLX 66-8300 AZ PUESVC PHX
ATTN: MR. MARTIN FAINES

TT
SUEJ: ENVIRONMENTAL QUALIFICATION OF
TFC PRESSURE RELIEF VALVES
FILE: 13-JM-691

REL.: (A) TELEPHONE CONVERSATION BETWEEN T. CROWLEY, M. FAINES
AND ED COUVILLE OF FEB. 15, 1984

(F) APS TWX # ANPT-3133-JTE/MLR

TARGET ROCK HAS REVIEWED YOUR APPROACH TO ESTABLISHING A FLEXIBLE
MAINTENANCE SCHEDULE AND CONCURS AS LONG AS THE NOTED INSPECTIONS
AND/OR EVALUATIONS ARE CONDUCTED PRIOR TO EXTENSION OF MAINTENANCE
INTERVALS BEYOND TARGET ROCK'S RECOMMENDATIONS.

IF YOU HAVE FURTHER QUESTIONS, PLEASE CONTACT THE UNDERSIGNED.

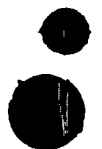
THOMAS D. CROWLEY
CONTRACTS MANAGER
POWER PRODUCTS

TDC/NA

CC: D.K. VATER
V. LIANTCNIC

TU
TIME: 11:05 A.M.

NNNN
1132 EST
+
AZ PUESVC PHX



DRAWINGS AND BILL OF MATERIALS

