

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8404100014 DOC.DATE: 84/04/06 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. Licensing Branch 3

SUBJECT: Discusses possible effects Palo Verde Hills may have on
 horizontal dispersion of plume coming from plant per SSER 5
 (NUREG-0857).Map encl.

DISTRIBUTION CODE: B001S COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 4
 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/DEPER/EPB 36	3 3	IE/DEPER/IRB 35	1 1
IE/DQASIP/QAB21	1 1	NRR/DE/AEAB	1 0
NRR/DE/CEB 11	1 1	NRR/DE/EHEB	1 1
NRR/DE/eqB 13	2 2	NRR/DE/GB 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
NRR/DHFS/PSRB	1 1	NRR/DL/SSPB	1 0
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/RSB 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
	DMB/DSS (AMDTs)		1	1	FEMA-REP DIV 39	1	1
	LPDR	03	1	1	NRC PDR 02	1	1
	NSIC	05	1	1	NTIS	1	1

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- 1996 年 1 月 1 日起实施。
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Arizona Public Service Company

P.O. BOX 21666 • PHOENIX, ARIZONA 85036

April 6, 1984

ANPP-29236 - 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: 84-056-026; G.1.01.10

- Reference: 1. Letter from E. E. Van Brunt, Jr., APS, to G. W. Knighton, NRC, dated January 3, 1984. (ANPP-28525) Subject: Capability to Characterize Meteorological Condition in the Vicinity of the Plant.
2. NUREG-0857, Supplement No. 5, "Safety Evaluation Report" Related to the Operation of Palo Verde Nuclear Generating Station, PVNGS Units 1, 2 and 3, dated November, 1983.

Dear Mr. Knighton:

The Reference (1) letter provided a response to a request in Section 13.3.2.3 of the Reference (2) SER concerning the potential affect of the Palo Verde Hills on local meteorological conditions at PVNGS.

In a telecon held February 9, 1984, the staff requested APS to address the possible effect the Palo Verde Hills may have on the horizontal dispersion of a plume coming from PVNGS.

APS has evaluated those sectors in the Emergency Planning Zone (EPZ) which might be impacted by a plume released from PVNGS under easterly (i.e., blowing to the west) winds. Under the most restrictive atmospheric stability conditions, the Palo Verde Hills located in Sectors Q, P and N shown on the attached figure, could cause the plume to be transported to the adjacent Sectors, (i.e., Sectors M and R). To address this possibility, PVNGS will consider 2 Sectors on either side if the affected Sector is Q, P or N. This will cover two and three standard deviations of plume width, so we will be assured that we have taken into account as much of the plume as possible. As an example, a plume in Sector P would cause us to consider Sectors M, N, Q and R in our Protective Action Recommendations.

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Mr. G. W. Knighton
Page 2

This approach has been discussed with the Arizona Radiation Regulatory Agency, the Arizona Division of Emergency Services and the Maricopa County Department of Civil Defense and Emergency Services.

The Emergency Plan Implementation Procedure that address Protective Action Recommendations will be revised to reflect the above described action plans.

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

Very truly yours,



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

EEVB/KEJ/sp
Attachment

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

April 6, 1984
ANPP-29236 - WFQ/KEJ

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

I, Edwin E. Van Brunt, Jr., represent that I am Vice President, Nuclear, 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.
Edwin E. Van Brunt, Jr.

Sworn to before me this 6th day of April, 1984.

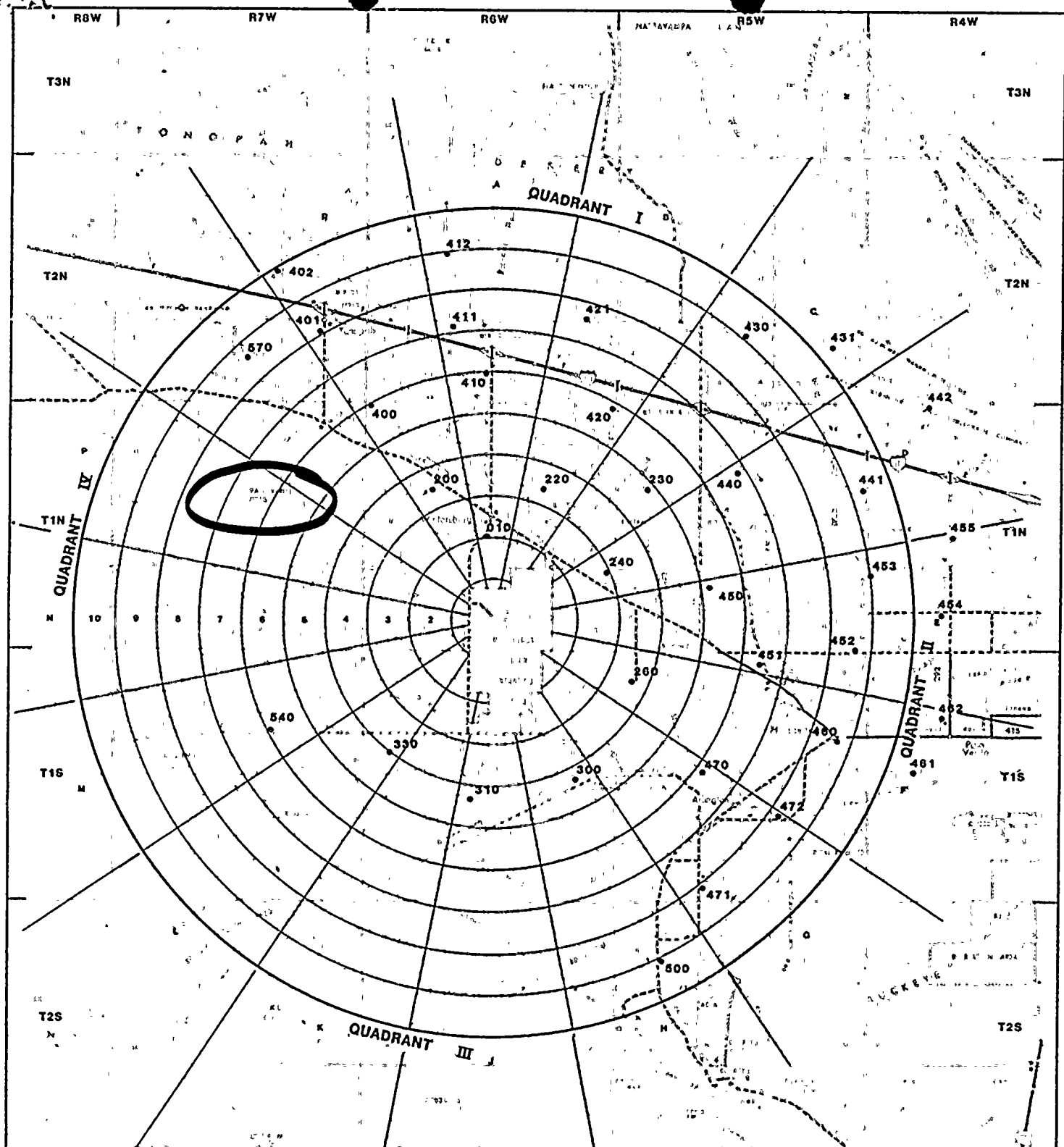
Nora E. Meador
Notary Public

My Commission Expires:

My Commission Expires April 6, 1987



1975 0 17 1975 1975 1975



| INTRAC | | SIREN NUMBERS | | | |
|----------|--------------|----------------|----------------|----------------|----------------|
| QUADRANT | SECTOR | SECTOR ADDRESS | SECTOR ADDRESS | SECTOR ADDRESS | SECTOR ADDRESS |
| T3S | I - 208 | A - 148 | 010 - 23 | 441 - 2 | |
| | II - 608 | B - 248 | 200 - 25 | 442 - 1 | |
| | III - 1208 | C - 348 | 220 - 22 | 450 - 15 | |
| | IV - 1608 | D - 448 | 230 - 17 | 451 - 10 | |
| RADIUS | 2 mi - 100A | E - 548 | 240 - 18 | 452 - 6 | |
| | 3 mi - 200A | F - 648 | 260 - 36 | 453 - 4 | |
| | 5 mi - 300A | G - 748 | 300 - 33 | 454 - 5 | |
| | 10 mi - 400A | H - 1048 | 310 - 34 | 455 - 3 | |
| | | I - 1148 | 330 - 33 | 460 - 8 | |
| | | J - 1248 | 400 - 27 | 461 - 9 | |
| | | K - 1348 | 401 - 29 | 462 - 7 | |
| | | L - 1448 | 402 - 31 | 470 - 11 | |
| | | M - 1548 | 410 - 24 | 471 - 13 | |
| | | N - 1648 | 411 - 25 | 472 - 12 | |
| | | O - 1748 | 412 - 28 | 500 - 14 | |
| | | P - 0048 | 420 - 19 | 540 - 32 | |
| | | | 421 - 20 | 570 - 30 | |
| | | | 430 - 21 | | |
| | | | 431 - 37 | | |
| | | | 440 - 16 | | |

P.V.N.G.S.

ALERT & NOTIFICATION SYSTEM

SIREN LOCATIONS

MAP PREPARED BY
DRAFTING SECTION
APS.
Arizona Public Service Company

1944

