

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8203020390 DUG DATE: 82/02/24 NOTARIZED: YES DOCKET #
 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Publ 05000528
 STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Publ 05000529
 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Publ 05000530

AUTH. NAME AUTHUR AFFILIATION
 VAN BRUNT, E.E. Arizona Public Service Co.
 RECIP. NAME RECIPIENT AFFILIATION
 TEDESCO, R.L. Assistant Director for Licensing

SUBJECT: Submits info supporting lack of internal corrosion problems of fuel oil storage tanks per 811208 request. Tank design, periodic testing & supporting info balance against unproven record of coating is sufficient.

DISTRIBUTION CODE: B001S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3
 TITLE: PSAR/FSAR AMDTS and Related Correspondence

NOTES: Standardized Plant. 1 cy: C Grimes 05000528
 Standardized Plant. 1 cy: C Grimes 05000529
 Standardized Plant. 1 cy: C Grimes 05000530

| ACTION: | RECIPIENT | | COPIES | | ACTION: | RECIPIENT | | COPIES | |
|-----------|-----------------|--|--------|------|---------|------------------|----|--------|------|
| | ID CODE/NAME | | LTTR | ENCL | | ID CODE/NAME | | LTTR | ENCL |
| | A/D LICENSNG | | 1 | 0 | | LIC BR #3 BC | | 1 | 0 |
| | LIC BR #3 LA | | 1 | 0 | | KERRIGAN, J. 01 | | 1 | 1 |
| INTERNAL: | ELD | | 1 | 0 | | IE | 06 | 3 | 3 |
| | IE/DEP/EPDB 35 | | 1 | 1 | | IE/DEP/EPLB 36 | | 3 | 3 |
| | MPA | | 1 | 0 | | NRR/DE/CEB 11 | | 1 | 1 |
| | NRR/DE/EQB 13 | | 3 | 3 | | NRR/DE/GB 28 | | 2 | 2 |
| | NRR/DE/HGEB 30 | | 2 | 2 | | 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/DHFS/PTRB20 | | 1 | 1 |
| | NRR/DSI/AEB 26 | | 1 | 1 | | NRR/DSI/ASB 27 | | 1 | 1 |
| | NRR/DSI/CPB 10 | | 1 | 1 | | NRR/DSI/CSB 09 | | 1 | 1 |
| | NRR/DSI/ETSB 12 | | 1 | 1 | | NRR/DSI/ICSB 16 | | 1 | 1 |
| | NRR/DSI/PSB 19 | | 1 | 1 | | NRR/DSI/RAB 22 | | 1 | 1 |
| | NRR/DSI/RQB 23 | | 1 | 1 | | NRR/DST/LGB 33 | | 1 | 1 |
| | REG FILE 04 | | 1 | 1 | | | | | |
| EXTERNAL: | ACRS 41 | | 16 | 16 | | BNL (AMDTS ONLY) | | 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

64

63 ENCL

59

58

MA 4

20

1. The purpose of this document is to provide a summary of the information received from the source regarding the activities of the group. The information was obtained from a confidential source who has provided reliable information in the past.

2. The source has provided information regarding the activities of the group, including the names of the individuals involved, the locations of the meetings, and the nature of the activities. The information was obtained from a confidential source who has provided reliable information in the past.

3. The information was obtained from a confidential source who has provided reliable information in the past. The source has provided information regarding the activities of the group, including the names of the individuals involved, the locations of the meetings, and the nature of the activities.

4. The information was obtained from a confidential source who has provided reliable information in the past. The source has provided information regarding the activities of the group, including the names of the individuals involved, the locations of the meetings, and the nature of the activities.

5. The information was obtained from a confidential source who has provided reliable information in the past. The source has provided information regarding the activities of the group, including the names of the individuals involved, the locations of the meetings, and the nature of the activities.

| Date | | Time | | Location | | Activity | |
|------|-----|------|-----|----------|-----|----------|-----|
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 | 13 | 13 | 13 | 13 |
| 14 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| 17 | 17 | 17 | 17 | 17 | 17 | 17 | 17 |
| 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 |
| 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| 21 | 21 | 21 | 21 | 21 | 21 | 21 | 21 |
| 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 |
| 23 | 23 | 23 | 23 | 23 | 23 | 23 | 23 |
| 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| 26 | 26 | 26 | 26 | 26 | 26 | 26 | 26 |
| 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 |
| 28 | 28 | 28 | 28 | 28 | 28 | 28 | 28 |
| 29 | 29 | 29 | 29 | 29 | 29 | 29 | 29 |
| 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| 31 | 31 | 31 | 31 | 31 | 31 | 31 | 31 |
| 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |
| 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| 36 | 36 | 36 | 36 | 36 | 36 | 36 | 36 |
| 37 | 37 | 37 | 37 | 37 | 37 | 37 | 37 |
| 38 | 38 | 38 | 38 | 38 | 38 | 38 | 38 |
| 39 | 39 | 39 | 39 | 39 | 39 | 39 | 39 |
| 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 |
| 45 | 45 | 45 | 45 | 45 | 45 | 45 | 45 |
| 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| 48 | 48 | 48 | 48 | 48 | 48 | 48 | 48 |
| 49 | 49 | 49 | 49 | 49 | 49 | 49 | 49 |
| 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| 51 | 51 | 51 | 51 | 51 | 51 | 51 | 51 |
| 52 | 52 | 52 | 52 | 52 | 52 | 52 | 52 |
| 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53 |
| 54 | 54 | 54 | 54 | 54 | 54 | 54 | 54 |
| 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| 57 | 57 | 57 | 57 | 57 | 57 | 57 | 57 |
| 58 | 58 | 58 | 58 | 58 | 58 | 58 | 58 |
| 59 | 59 | 59 | 59 | 59 | 59 | 59 | 59 |
| 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| 61 | 61 | 61 | 61 | 61 | 61 | 61 | 61 |
| 62 | 62 | 62 | 62 | 62 | 62 | 62 | 62 |
| 63 | 63 | 63 | 63 | 63 | 63 | 63 | 63 |
| 64 | 64 | 64 | 64 | 64 | 64 | 64 | 64 |
| 65 | 65 | 65 | 65 | 65 | 65 | 65 | 65 |
| 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| 67 | 67 | 67 | 67 | 67 | 67 | 67 | 67 |
| 68 | 68 | 68 | 68 | 68 | 68 | 68 | 68 |
| 69 | 69 | 69 | 69 | 69 | 69 | 69 | 69 |
| 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| 71 | 71 | 71 | 71 | 71 | 71 | 71 | 71 |
| 72 | 72 | 72 | 72 | 72 | 72 | 72 | 72 |
| 73 | 73 | 73 | 73 | 73 | 73 | 73 | 73 |
| 74 | 74 | 74 | 74 | 74 | 74 | 74 | 74 |
| 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 |
| 76 | 76 | 76 | 76 | 76 | 76 | 76 | 76 |
| 77 | 77 | 77 | 77 | 77 | 77 | 77 | 77 |
| 78 | 78 | 78 | 78 | 78 | 78 | 78 | 78 |
| 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 |
| 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 81 | 81 | 81 | 81 | 81 | 81 | 81 | 81 |
| 82 | 82 | 82 | 82 | 82 | 82 | 82 | 82 |
| 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 |
| 84 | 84 | 84 | 84 | 84 | 84 | 84 | 84 |
| 85 | 85 | 85 | 85 | 85 | 85 | 85 | 85 |
| 86 | 86 | 86 | 86 | 86 | 86 | 86 | 86 |
| 87 | 87 | 87 | 87 | 87 | 87 | 87 | 87 |
| 88 | 88 | 88 | 88 | 88 | 88 | 88 | 88 |
| 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 |
| 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 |
| 92 | 92 | 92 | 92 | 92 | 92 | 92 | 92 |
| 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
| 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
| 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
| 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
| 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
| 98 | 98 | 98 | 98 | 98 | 98 | 98 | 98 |
| 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 |
| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

ARIZONA



PUBLIC SERVICE COMPANY

STA. _____

P.O. BOX 21666 - PHOENIX, ARIZONA 85036

February 24, 1982
ANPP-20247 - JMA/WFQ



Mr. R. L. Tedesco
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.1.10

- References: (1) NUREG-0857, "Safety Evaluation Report" related to the operation of Palo Verde Nuclear Generating Station Units 1, 2 and 3, dated November, 1981
- (2) Letter from E. E. Van Brunt, Jr., APS, to J. Kerrigan (ANPP-19576 - JMA/WFQ) dated December 2, 1981

Dear Mr. Tedesco:

Reference 1, Section 9.5.4.2 (pg. 9-47) states that "...the staff requires that internal corrosion protection for the fuel oil storage tanks be provided prior to fuel load."

The staff's position had been responded to by Reference 2 and had been further discussed at a meeting with your staff on December 8, 1981. As discussed at that meeting, APS is very concerned with the lack of long-term information regarding the reliability of coatings used for such service, especially in view of operating information which we believe indicates a lack of internal corrosion of diesel generator storage tanks in service in the desert climate of Arizona.

At the conclusion of the December 8, 1981 meeting, the NRC staff requested we provide additional information supporting the lack of internal corrosion problems of such tanks in our environment. The following information is provided in support of this request.

BOO!
1/1

8203020390 820224
PDR ADDCK 05000528
A PDR

Mr. R. L. Tedesco

Page 2

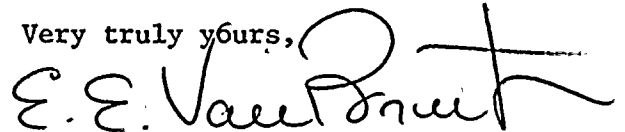
1. A December 9, 1981 telecon with APS Fossil Plant Mechanical Design indicated that APS does not provide coatings for fossil plant diesel fuel storage tanks and that no problems with corrosion or moisture have occurred.
2. A January 14, 1982 telecon with Luke Air Force Base (Storage and Maintenance group) indicated that their underground diesel fuel storage tanks are not lined (the tanks have sumps that are checked annually) and they have never experienced a problem with corrosion or moisture. Also, some of these tanks have been in place since 1940.
3. A January 14, 1982 telecon with the Phoenix representative of GATX Tank Erection Corporation, a division of General American Transportation Corporation of Los Angeles, California, indicated that they have erected underground diesel fuel storage tanks throughout the desert southwest and have never had problems with corrosion or moisture in their tanks.

As you know, the PVNGS diesel tank design includes a water collection sump and a water drain pipe to draw off water settled in the sump on a quarterly basis.

We believe that this tank design, periodic testing, and the above supporting information balanced against an unproven record of coatings in such service is sufficient such that the diesel storage tanks for PVNGS should not be coated.

Please contact me if you have any further questions on this matter.

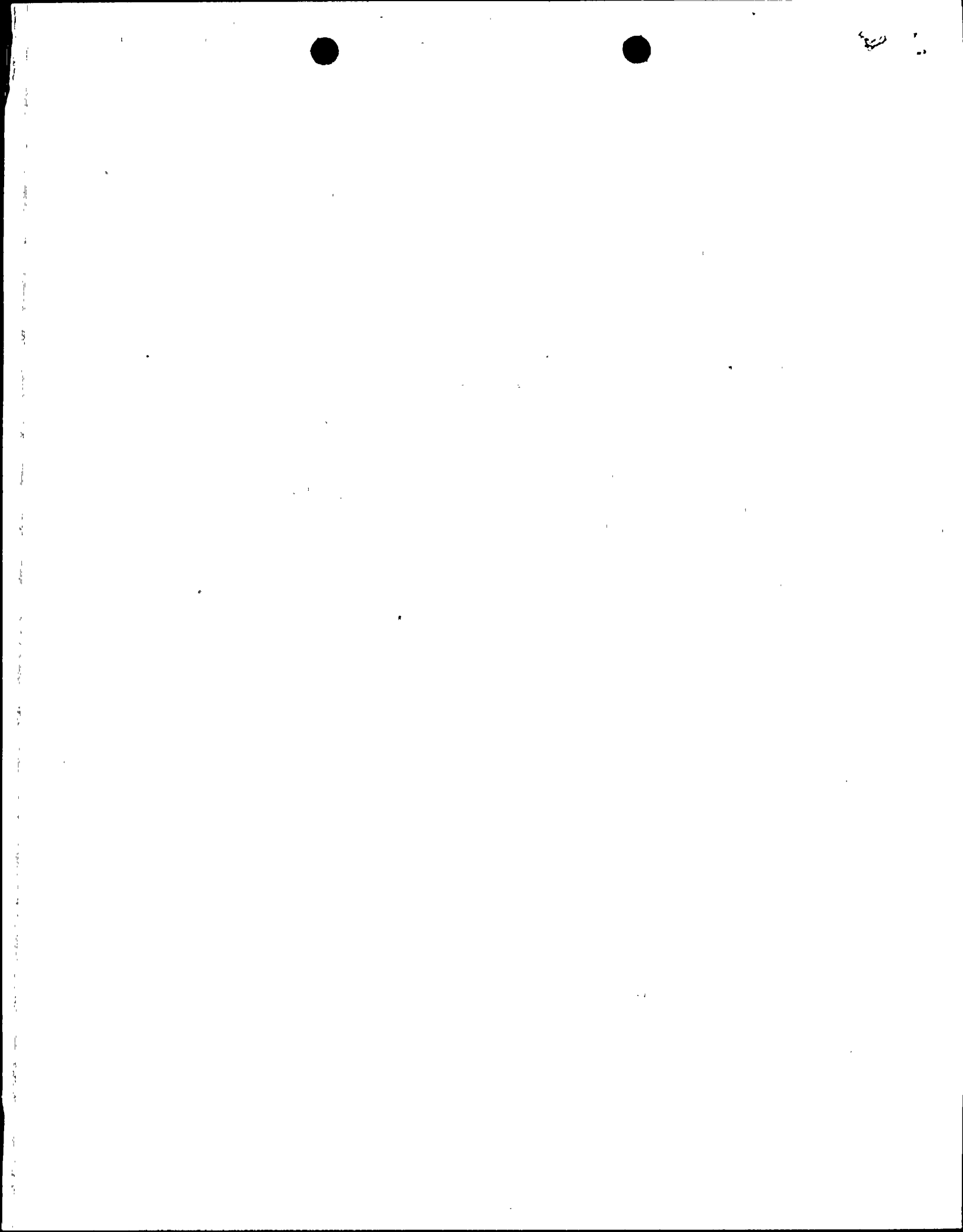
Very truly yours,



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

EEVBJr/WFQ/av

cc: M. Licitra
F. Miraglia
P. L. Hourihan
R. L. Greenfield
A. C. Gehr



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 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.

Edwin E. Van Brunt, Jr.
Edwin E. Van Brunt, Jr.

Sworn to before me this 24th day of FEBRUARY, 1982.

Connie Lou Armstrong
Notary Public

My Commission expires:

June 24, 1983

