

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8201290021 DOC. DATE: 82/01/25 NOTARIZED: YES DOCKET #
 FACIL: STN-50-528 Palo Verde Nuclear Station, Unit 1, Arizona Public 05000528
 STN-50-529 Palo Verde Nuclear Station, Unit 2, Arizona Public 05000529
 STN-50-530 Palo Verde Nuclear Station, Unit 3, Arizona Public 05000530
 AUTH. NAME AUTHOR AFFILIATION
 VAN BRUNT, E.E. Arizona Public Service Co.
 RECIPIENT NAME RECIPIENT AFFILIATION
 TEDESCO, R.L. Assistant Director for Licensing

SUBJECT: Responds to SER open items re equipment qualification programs. Util summary of seismic qualification info will be submitted by 820401 per Section 3.10. Environ qualification summary will be sent by 820601 per Section 3.11.

DISTRIBUTION CODE: IC002B COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 3
 TITLE: ~~Environ. Comments.~~

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		RECIPIENT	COPIES	
	ID CODE/NAME		LTR	ENCL		ID CODE/NAME	LTR
ACTION:	LIC BR #3 BC 06		7	0	ANL	1	1
	KERRIGAN, J. 01		1	0			
INTERNAL:	ELD		1	0	IE	13	2
	NRR/DE/AEAB 20		1	1	NRR/DE/EEB 16	1	1
	NRR/DE/HGEB 21		1	1	NRR/DE/SAB 18	1	1
	NRR/DSI/AEB 19		1	1	NRR/DSI/BTSB 15	1	1
	NRR/DSI/RAB 17		1	1	<u>REG. FILE</u> 04	1	1
EXTERNAL:	ACRS		1	0	LPDR 03	1	1
	NATL LAB 21		5	5	NRC PDR 02	1	1
	NSIC 05		1	1	NTIS	1	1

TOTAL NUMBER OF COPIES REQUIRED: LTR 31 ENCL 28

MIA
 14

THE UNIVERSITY OF CHICAGO
DIVISION OF THE PHYSICAL SCIENCES
DEPARTMENT OF CHEMISTRY
5708 SOUTH CAMPUS DRIVE
CHICAGO, ILLINOIS 60637

RECEIVED
JAN 10 1964

TO: DR. J. H. GOLDSTEIN
FROM: DR. R. F. SCHWENKER

RE: [Illegible]

[Illegible text]

1

ARIZONA

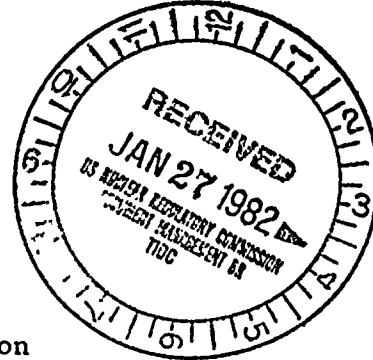


PUBLIC SERVICE COMPANY

STA. _____

P.O. BOX 21666 - PHOENIX, ARIZONA 85036
January 25, 1982
ANPP-19986 - JMA/TFQ

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

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

Dear Mr. Tedesco:

The referenced document contains an open item concerning the PVNGS equipment qualification programs. Equipment qualification is divided into seismic qualification, in accordance with IEEE Standard 344-1975 and environmental qualification, in accordance with NUREG-0588.

As stated in the referenced document, Section 3.10, the NRC staff requires that a significant portion, 85%, of the equipment important to safety must be qualified, documented in an auditable manner and installed onsite before an onsite NRC audit can be performed. The NRC staff also requires a summary of seismic qualification information be submitted prior to the audit. We plan to submit this report to you by April 1, 1982.

The reference document, Section 3.11, asked that we review the environmental qualification documentation for each item of safety-related electrical equipment which could be exposed to a harsh environment to determine the degree of compliance with NUREG-0588. It is our understanding that the NRC staff will require an audit of the environmental qualification program the same as for the seismic qualification program, that is, require a significant portion, 85%, of the qualification completed, documentation in an auditable form, and installed onsite. Also, required is a summary of environmental qualification information for electrical equipment required for safety which may be subjected to a harsh environment. We plan to submit this summary by June 1, 1982.

COO2
3
1/0

8201290021 820125
PDR ADOCK 05000528
E PDR



1917
MAY 10 1917
LIBRARY OF THE
UNITED STATES DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C.

Mr. R. L. Tedesco
ANPP-19986 - JMA/TFQ
Page 2

Please confirm as soon as possible, that the above requirements for the NRC audits is complete and that the submittal dates are acceptable, so that we have no misunderstandings and this issue may be resolved in an orderly manner.

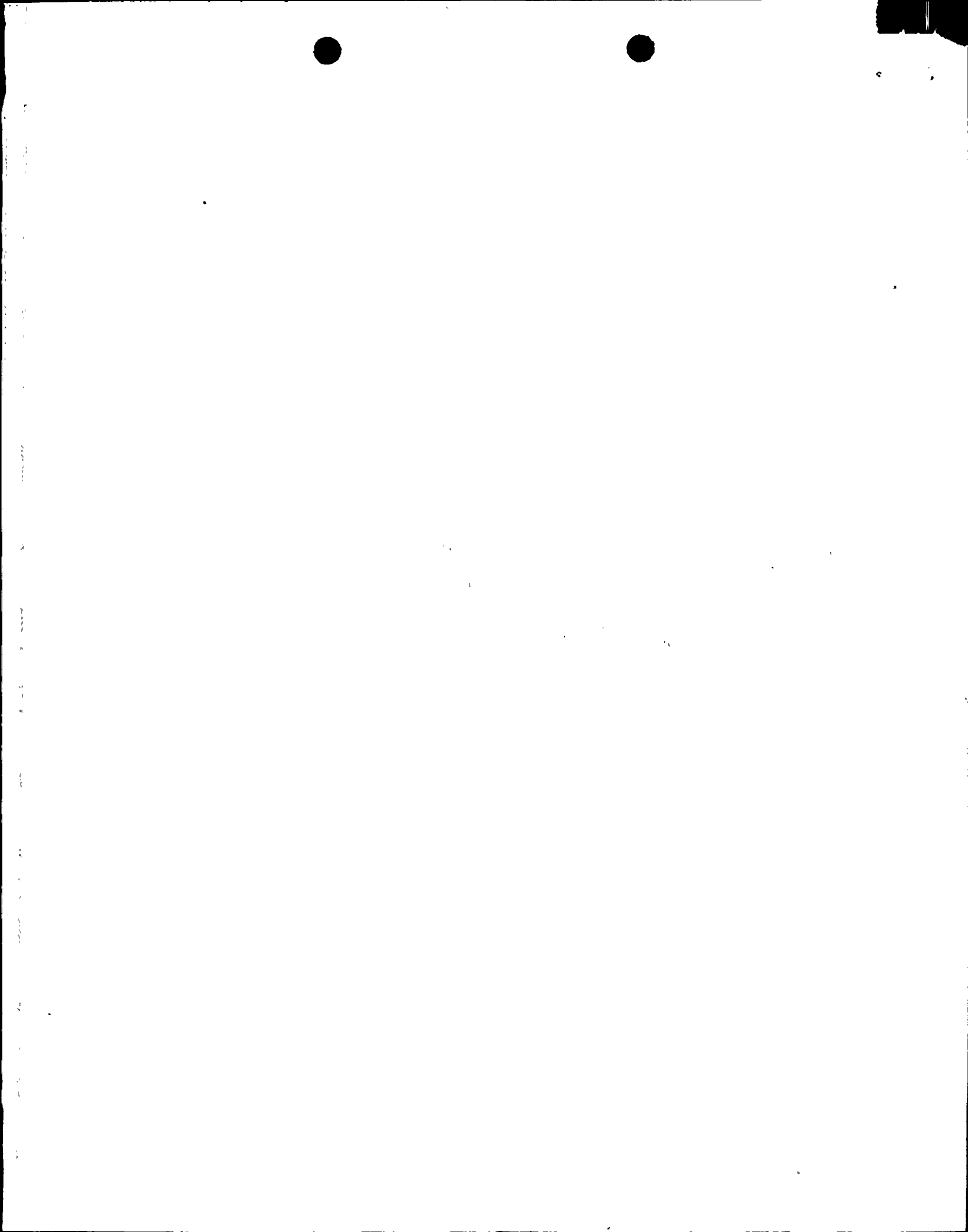
Very truly yours,



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

EEVBJr/TFQ/sam

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



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 25TH day of JANUARY, 1982.

Connie Lou Armstrong
Notary Public

My Commission expires:

June 24, 1983

0171A
0171B
0171C
0171D
0171E
0171F
0171G
0171H
0171I
0171J
0171K
0171L
0171M
0171N
0171O
0171P
0171Q
0171R
0171S
0171T
0171U
0171V
0171W
0171X
0171Y
0171Z
0171AA
0171AB
0171AC
0171AD
0171AE
0171AF
0171AG
0171AH
0171AI
0171AJ
0171AK
0171AL
0171AM
0171AN
0171AO
0171AP
0171AQ
0171AR
0171AS
0171AT
0171AU
0171AV
0171AW
0171AX
0171AY
0171AZ
0171BA
0171BB
0171BC
0171BD
0171BE
0171BF
0171BG
0171BH
0171BI
0171BJ
0171BK
0171BL
0171BM
0171BN
0171BO
0171BP
0171BQ
0171BR
0171BS
0171BT
0171BU
0171BV
0171BW
0171BX
0171BY
0171BZ
0171CA
0171CB
0171CC
0171CD
0171CE
0171CF
0171CG
0171CH
0171CI
0171CJ
0171CK
0171CL
0171CM
0171CN
0171CO
0171CP
0171CQ
0171CR
0171CS
0171CT
0171CU
0171CV
0171CW
0171CX
0171CY
0171CZ
0171DA
0171DB
0171DC
0171DD
0171DE
0171DF
0171DG
0171DH
0171DI
0171DJ
0171DK
0171DL
0171DM
0171DN
0171DO
0171DP
0171DQ
0171DR
0171DS
0171DT
0171DU
0171DV
0171DW
0171DX
0171DY
0171DZ
0171EA
0171EB
0171EC
0171ED
0171EE
0171EF
0171EG
0171EH
0171EI
0171EJ
0171EK
0171EL
0171EM
0171EN
0171EO
0171EP
0171EQ
0171ER
0171ES
0171ET
0171EU
0171EV
0171EW
0171EX
0171EY
0171EZ
0171FA
0171FB
0171FC
0171FD
0171FE
0171FF
0171FG
0171FH
0171FI
0171FJ
0171FK
0171FL
0171FM
0171FN
0171FO
0171FP
0171FQ
0171FR
0171FS
0171FT
0171FU
0171FV
0171FW
0171FX
0171FY
0171FZ
0171GA
0171GB
0171GC
0171GD
0171GE
0171GF
0171GG
0171GH
0171GI
0171GJ
0171GK
0171GL
0171GM
0171GN
0171GO
0171GP
0171GQ
0171GR
0171GS
0171GT
0171GU
0171GV
0171GW
0171GX
0171GY
0171GZ
0171HA
0171HB
0171HC
0171HD
0171HE
0171HF
0171HG
0171HH
0171HI
0171HJ
0171HK
0171HL
0171HM
0171HN
0171HO
0171HP
0171HQ
0171HR
0171HS
0171HT
0171HU
0171HV
0171HW
0171HX
0171HY
0171HZ
0171IA
0171IB
0171IC
0171ID
0171IE
0171IF
0171IG
0171IH
0171II
0171IJ
0171IK
0171IL
0171IM
0171IN
0171IO
0171IP
0171IQ
0171IR
0171IS
0171IT
0171IU
0171IV
0171IW
0171IX
0171IY
0171IZ
0171JA
0171JB
0171JC
0171JD
0171JE
0171JF
0171JG
0171JH
0171JI
0171JJ
0171JK
0171JL
0171JM
0171JN
0171JO
0171JP
0171JQ
0171JR
0171JS
0171JT
0171JU
0171JV
0171JW
0171JX
0171JY
0171JZ
0171KA
0171KB
0171KC
0171KD
0171KE
0171KF
0171KG
0171KH
0171KI
0171KJ
0171KK
0171KL
0171KM
0171KN
0171KO
0171KP
0171KQ
0171KR
0171KS
0171KT
0171KU
0171KV
0171KW
0171KX
0171KY
0171KZ
0171LA
0171LB
0171LC
0171LD
0171LE
0171LF
0171LG
0171LH
0171LI
0171LJ
0171LK
0171LL
0171LM
0171LN
0171LO
0171LP
0171LQ
0171LR
0171LS
0171LT
0171LU
0171LV
0171LW
0171LX
0171LY
0171LZ
0171MA
0171MB
0171MC
0171MD
0171ME
0171MF
0171MG
0171MH
0171MI
0171MJ
0171MK
0171ML
0171MN
0171MO
0171MP
0171MQ
0171MR
0171MS
0171MT
0171MU
0171MV
0171MW
0171MX
0171MY
0171MZ
0171NA
0171NB
0171NC
0171ND
0171NE
0171NF
0171NG
0171NH
0171NI
0171NJ
0171NK
0171NL
0171NM
0171NN
0171NO
0171NP
0171NQ
0171NR
0171NS
0171NT
0171NU
0171NV
0171NW
0171NX
0171NY
0171NZ
0171OA
0171OB
0171OC
0171OD
0171OE
0171OF
0171OG
0171OH
0171OI
0171OJ
0171OK
0171OL
0171OM
0171ON
0171OO
0171OP
0171OQ
0171OR
0171OS
0171OT
0171OU
0171OV
0171OW
0171OX
0171OY
0171OZ
0171PA
0171PB
0171PC
0171PD
0171PE
0171PF
0171PG
0171PH
0171PI
0171PJ
0171PK
0171PL
0171PM
0171PN
0171PO
0171PP
0171PQ
0171PR
0171PS
0171PT
0171PU
0171PV
0171PW
0171PX
0171PY
0171PZ
0171QA
0171QB
0171QC
0171QD
0171QE
0171QF
0171QG
0171QH
0171QI
0171QJ
0171QK
0171QL
0171QM
0171QN
0171QO
0171QP
0171QQ
0171QR
0171QS
0171QT
0171QU
0171QV
0171QW
0171QX
0171QY
0171QZ
0171RA
0171RB
0171RC
0171RD
0171RE
0171RF
0171RG
0171RH
0171RI
0171RJ
0171RK
0171RL
0171RM
0171RN
0171RO
0171RP
0171RQ
0171RR
0171RS
0171RT
0171RU
0171RV
0171RW
0171RX
0171RY
0171RZ
0171SA
0171SB
0171SC
0171SD
0171SE
0171SF
0171SG
0171SH
0171SI
0171SJ
0171SK
0171SL
0171SM
0171SN
0171SO
0171SP
0171SQ
0171SR
0171SS
0171ST
0171SU
0171SV
0171SW
0171SX
0171SY
0171SZ
0171TA
0171TB
0171TC
0171TD
0171TE
0171TF
0171TG
0171TH
0171TI
0171TJ
0171TK
0171TL
0171TM
0171TN
0171TO
0171TP
0171TQ
0171TR
0171TS
0171TT
0171TU
0171TV
0171TW
0171TX
0171TY
0171TZ
0171UA
0171UB
0171UC
0171UD
0171UE
0171UF
0171UG
0171UH
0171UI
0171UJ
0171UK
0171UL
0171UM
0171UN
0171UO
0171UP
0171UQ
0171UR
0171US
0171UT
0171UU
0171UV
0171UW
0171UX
0171UY
0171UZ
0171VA
0171VB
0171VC
0171VD
0171VE
0171VF
0171VG
0171VH
0171VI
0171VJ
0171VK
0171VL
0171VM
0171VN
0171VO
0171VP
0171VQ
0171VR
0171VS
0171VT
0171VU
0171VV
0171VW
0171VX
0171VY
0171VZ
0171WA
0171WB
0171WC
0171WD
0171WE
0171WF
0171WG
0171WH
0171WI
0171WJ
0171WK
0171WL
0171WM
0171WN
0171WO
0171WP
0171WQ
0171WR
0171WS
0171WT
0171WU
0171WV
0171WW
0171WX
0171WY
0171WZ
0171XA
0171XB
0171XC
0171XD
0171XE
0171XF
0171XG
0171XH
0171XI
0171XJ
0171XK
0171XL
0171XM
0171XN
0171XO
0171XP
0171XQ
0171XR
0171XS
0171XT
0171XU
0171XV
0171XW
0171XX
0171XY
0171XZ
0171YA
0171YB
0171YC
0171YD
0171YE
0171YF
0171YG
0171YH
0171YI
0171YJ
0171YK
0171YL
0171YM
0171YN
0171YO
0171YP
0171YQ
0171YR
0171YS
0171YT
0171YU
0171YV
0171YW
0171YX
0171YY
0171YZ
0171ZA
0171ZB
0171ZC
0171ZD
0171ZE
0171ZF
0171ZG
0171ZH
0171ZI
0171ZJ
0171ZK
0171ZL
0171ZM
0171ZN
0171ZO
0171ZP
0171ZQ
0171ZR
0171ZS
0171ZT
0171ZU
0171ZV
0171ZW
0171ZX
0171ZY
0171ZZ