

PALO VERDE NUCLEAR GENERATING STATION
UNIT 3 M5
STEAM GENERATOR EDDY CURRENT EXAMINATION
MID-CYCLE OUTAGE
DECEMBER 1994

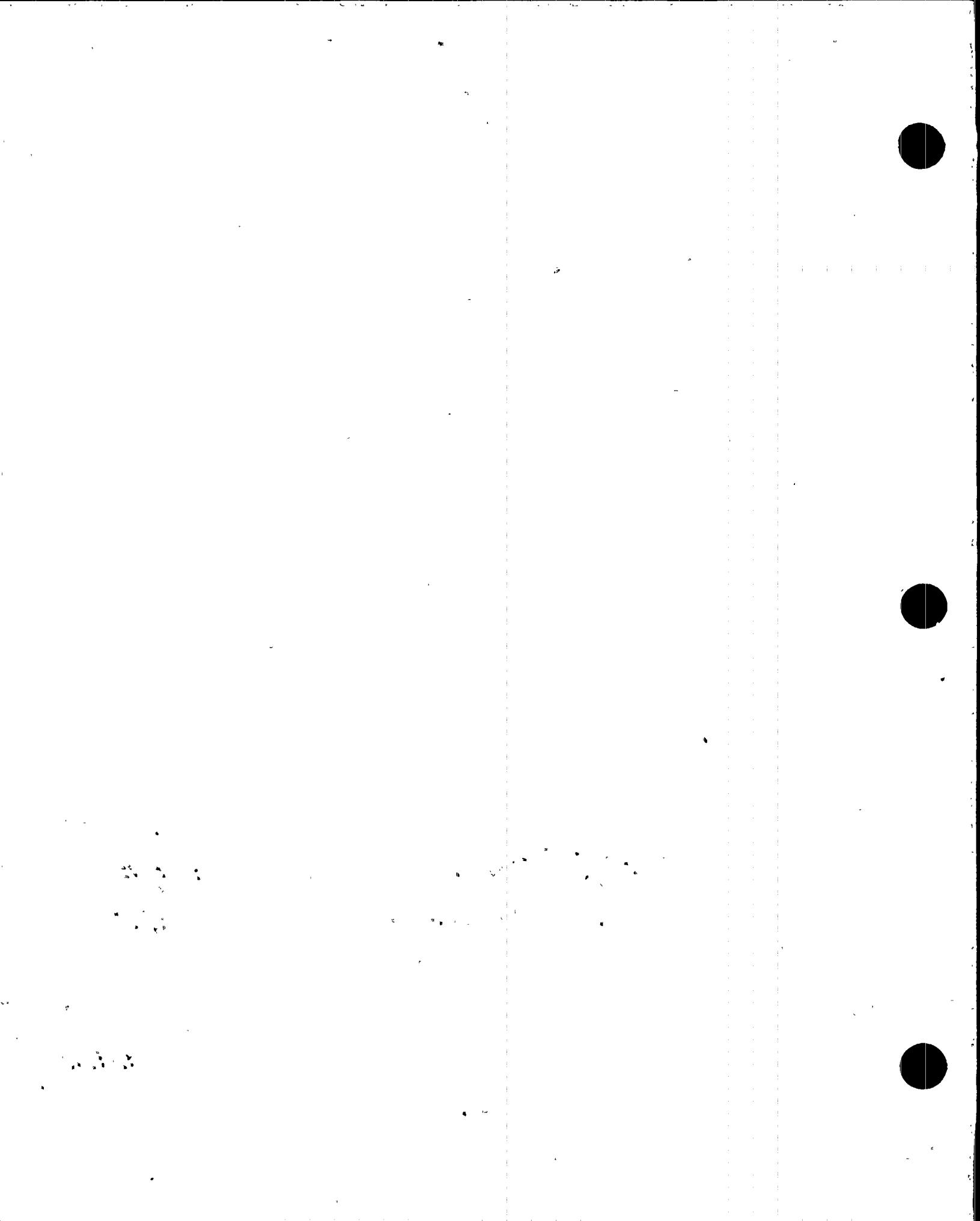
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COMMERCIAL SERVICE DATE: 1/8/88
REPORT DATE: 4/14/95



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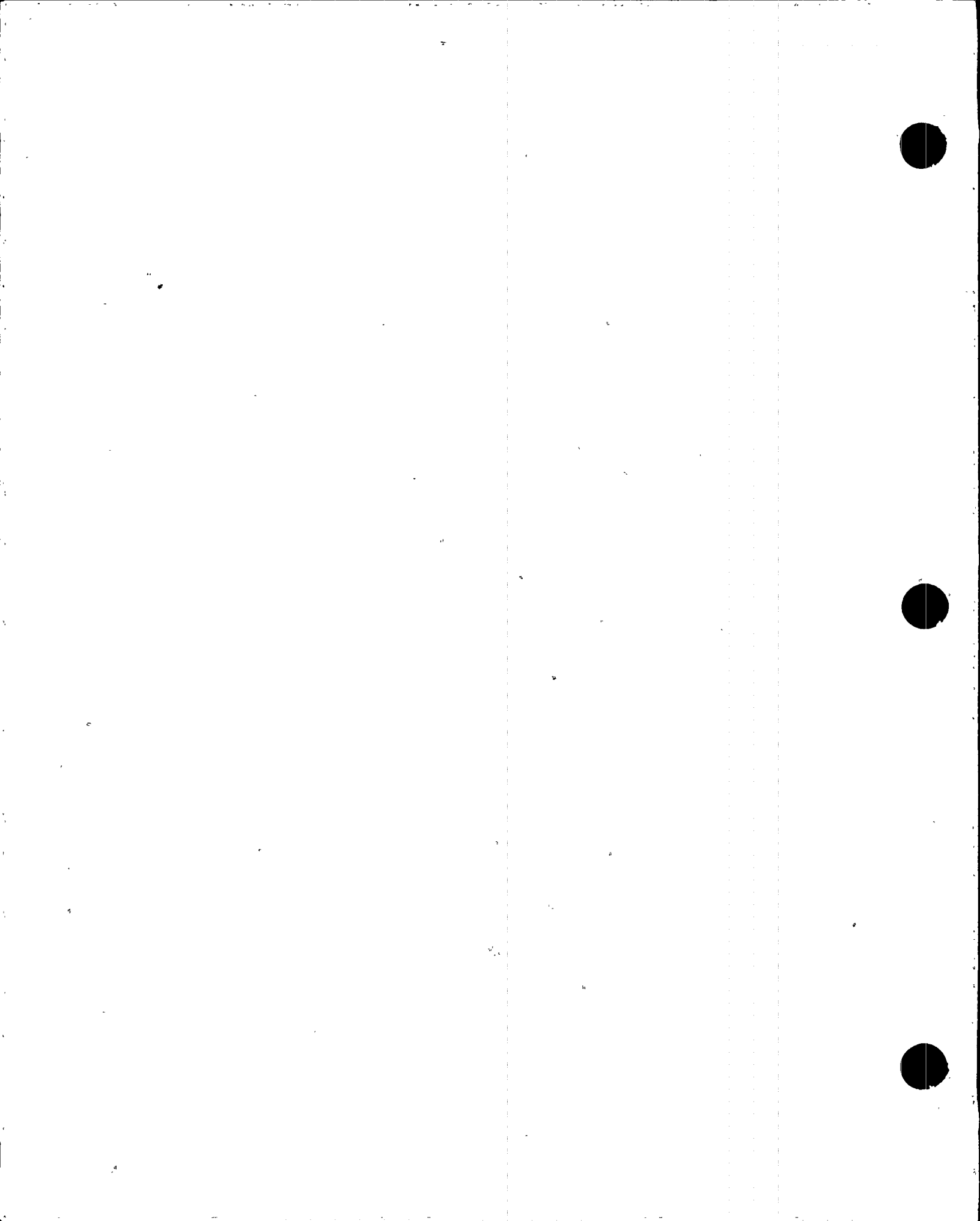
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UNIT 3 STEAM GENERATOR EDDY CURRENT EXAMINATION

1.0 Summary

The U3M5 eddy current examinations were conducted during the months of November and December of 1994. The initial examination plan for both steam generators was as follows:

- Examine ~2000 tubes in steam generator 31 (SG 31) and ~1850 tubes in steam generator 32 (SG 32) using the bobbin coil technique. The purpose of these examinations were for general screening, wear monitoring, loose part monitoring and post chemical cleaning sludge mapping.
- Examine ~2100 tubes in SG31 and ~2350 tubes in SG 32 from 08H-2nd VS using the rotating pancake coil (RPC) technique. These tubes were selected in the area of interest for ARC region axial indications.
- Examine ~500 tubes in each steam generator at the top of tubesheet sludge pile region in search of circumferential indications.
- Examine ~100 tubes in each steam generator at the top of tubesheet outside of the sludge pile region in search of circumferential indications.

Multiple expansions were performed in both steam generators due to various conditions. See Table 1 for scope, expansion description, and examination extents.

The examination resulted in 12 tubes being plugged in steam generator 31 and 19 tubes being plugged in steam generator 32.

2.0 Examination Discussion

The examination plan was developed in response to findings associated with previous eddy current examinations performed in Units 1, 2, and 3. The full-length bobbin coil examinations aided in the search for various indications in the arc region. Testing performed at the top of tubesheet and sludge pile region using RPC assured that circumferential cracking at these locations were identified. RPC examinations performed in the high risk arc region aided in determination of axial cracking in the upper hot leg area similar to that found in Unit 2.

An expansion criteria was developed prior to performance of examinations and was as follows:

Axial Indications:

Ten (10) tube buffer zone in all directions using RPC.
Expansion to 3000 tube ARC in both steam generators, if statistically projected crack population of 155 is exceeded.
Bobbin Coil of any SAI/MAI RPC Indications.

100% Bobbin Coil inspection of small bore region of 01H, if projected Reg Guide 1.121 exceedance is detected (~6000 tubes).

RPC any Bobbin indications that exceed PVNGS Plugging Criteria.

Circumferential Indications:

SG 31 - Any Circumferential Indication - RPC 100% Hot Leg Tubesheet

SG 32 - Indication > Reg Guide 1.121 allowable - RPC 100% Hot Leg Tubesheet

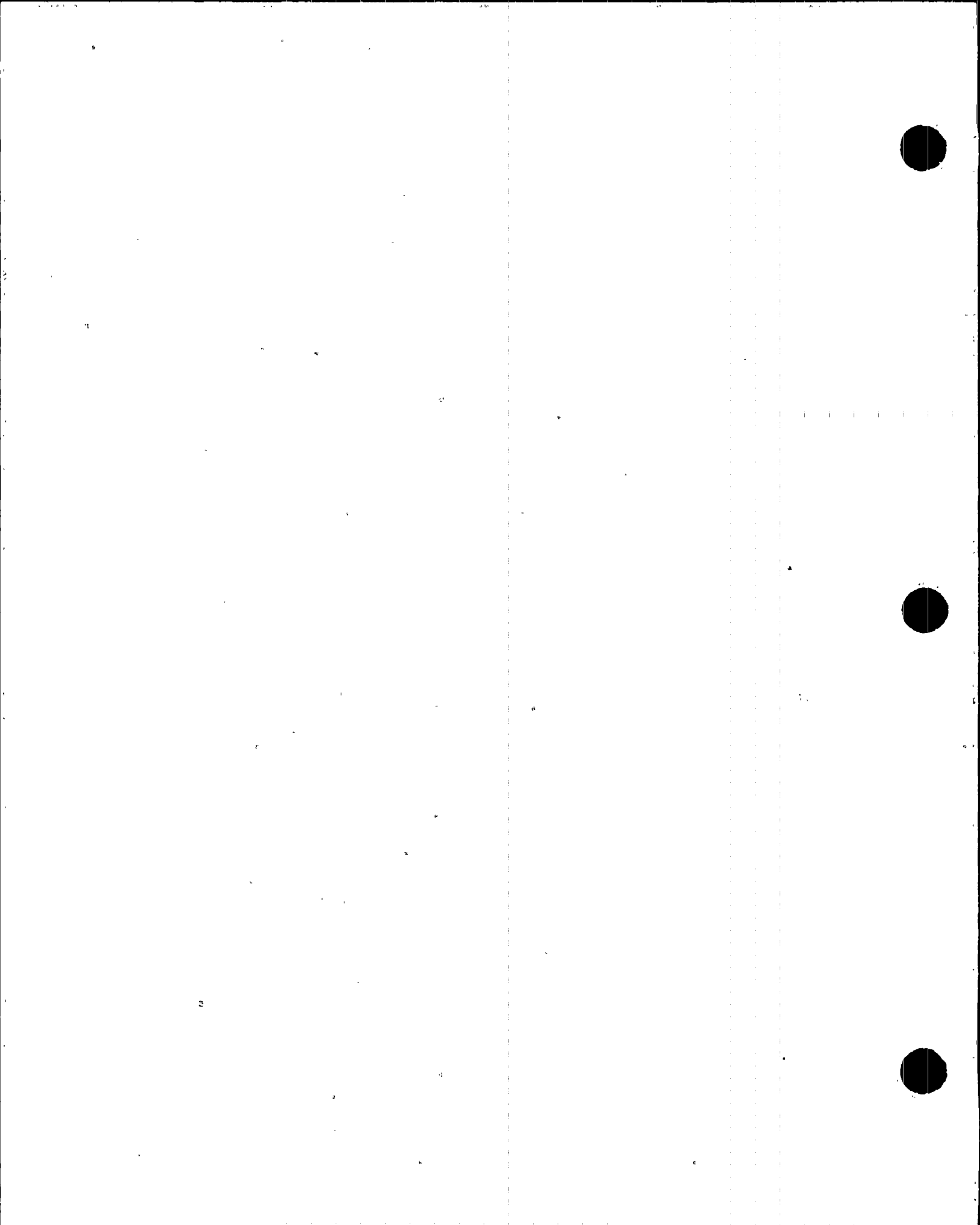
SG 31 & 32 - >50 Circumferential Indications - RPC 20% Cold Leg Tubesheet

The exam description, the extent examined and number of tubes analyzed are identified in Table 1. Appendix B contains maps of the scope of inspection including expansions of the tubes analyzed using bobbin coil and RPC.

TABLE 1
EXAMINATION SUMMARY

SCOPE DESCRIPTION		SG 31		SG 32	
Exam Description	Extents	Analyzed	Scope	Analyzed	Scope
FULL LENGTH BOBBIN	TEC-TEH	2098	2098	1843	1843
TUBE SHEET RPC	TSH-TSH	322	322	641	641
U-BEND RPC	08H-2nd VS	2065	2065	2321	2321
EXPANSION 1 (SPECIAL INTEREST RPC)	VARIOUS	153	153	118	118
EXPANSION 2 (BOBBIN COIL OF SAI, MAI AND VARIOUS I-CODES)	VARIOUS	21	21	52	52
EXPANSION 3 (BOUNDING OF TSH INDICATIONS)	TSH-TSH	N/A	N/A	47	47
EXPANSION 4 (BOUNDING OF SAI, MAI)	08H-2nd VS	230	230	410	410

- EXPANSION 1** This expansion is utilized to track the special interest RPC performed to quantify or evaluate bobbin or previously called indications. This includes NQI, ADR, DSI, DTI, PLP, and other areas.
- EXPANSION 2** Bobbin coil examination of SAI's, MAI's and various indications.
- EXPANSION 3** Ten tube bounding of SAI identified at the top of Hot Leg Tubesheet. Expansion performed using RPC.
- EXPANSION 4** Ten tube bounding of SAI's and MAI's in bend region using RPC.



3.0 Examination Results

A summary of the examination results are located in Table 2 of this report. In addition, Appendix A contains a reference drawing of steam generator support locations. The summary data sheets of Appendix C list all tubes in each steam generator with indications expressed as a percent wall thickness reduction, or as an analysis code. Appendix D contains summary data sheets for tubes classified as possible loose parts.

The overall examinations resulted in plugging a total of 12 tubes in steam generator number 31, and 19 tubes in steam generator number 32. All defective tubes and tubes with axial indications were plugged pursuant to technical specification requirements. In addition, various degraded tubes were plugged as preventative measures. The maps supplied in Appendix E show the total tubes plugged to date. The NIS-1 form in Appendix F list each of the tubes plugged as a result of this examination.

4.0 Examination Techniques and Equipment

The eddy current examination was performed by Conam Nuclear Inc. using Zetec MIZ 30 digital data acquisition and analysis systems. The following frequencies were used for the tube examination(s):

500 KHZ
400 KHZ
300 KHZ
100 KHZ
20 KHZ

NOTE: These frequencies were utilized in both differential and absolute modes.

All tubing was examined with Zetec manufactured bobbin coil and RPC style probes, either 0.610, 0.600, 0.590 or 0.580 inch diameter. Multiple configurations of 3 coil RPC probes and Plus Point RPC probes were used for the detection and characterization of axial and circumferential indications. Data acquisition was facilitated by using Zetec SM-22's with quad guide tubes and dual guide tubes in the hot leg and cold leg respectively of steam generator 31 and 32. A BWNT Rodger with a dual guide tube was also used in the hot leg of steam generator 32.

Fiber optic cable was used from the MIZ 30 containment location to the data acquisition room located at the PVNGS North Annex. Primary and Secondary analysis were performed remotely utilizing T-1 line technology. Primary Analysts were located in Benicia California, Issaquah Washington, and Lynchburg Virginia. Secondary Analysts were located in San Clemente California. The Primary and Secondary Resolution Analysts were located at PVNGS in the North Annex. Conam Nuclear Inc. provided the data acquisition and primary data analysis. Anatec International, Inc. provided the secondary data analysis.

Each Level IIA individual from Conam Nuclear Inc. and Anatec International, Inc. who performed data analysis was required to complete and pass a PVNGS site specific Eddy Current Data Analysis Course as well as an associated performance examination with at least a 80% proficiency within the last year (12 months).

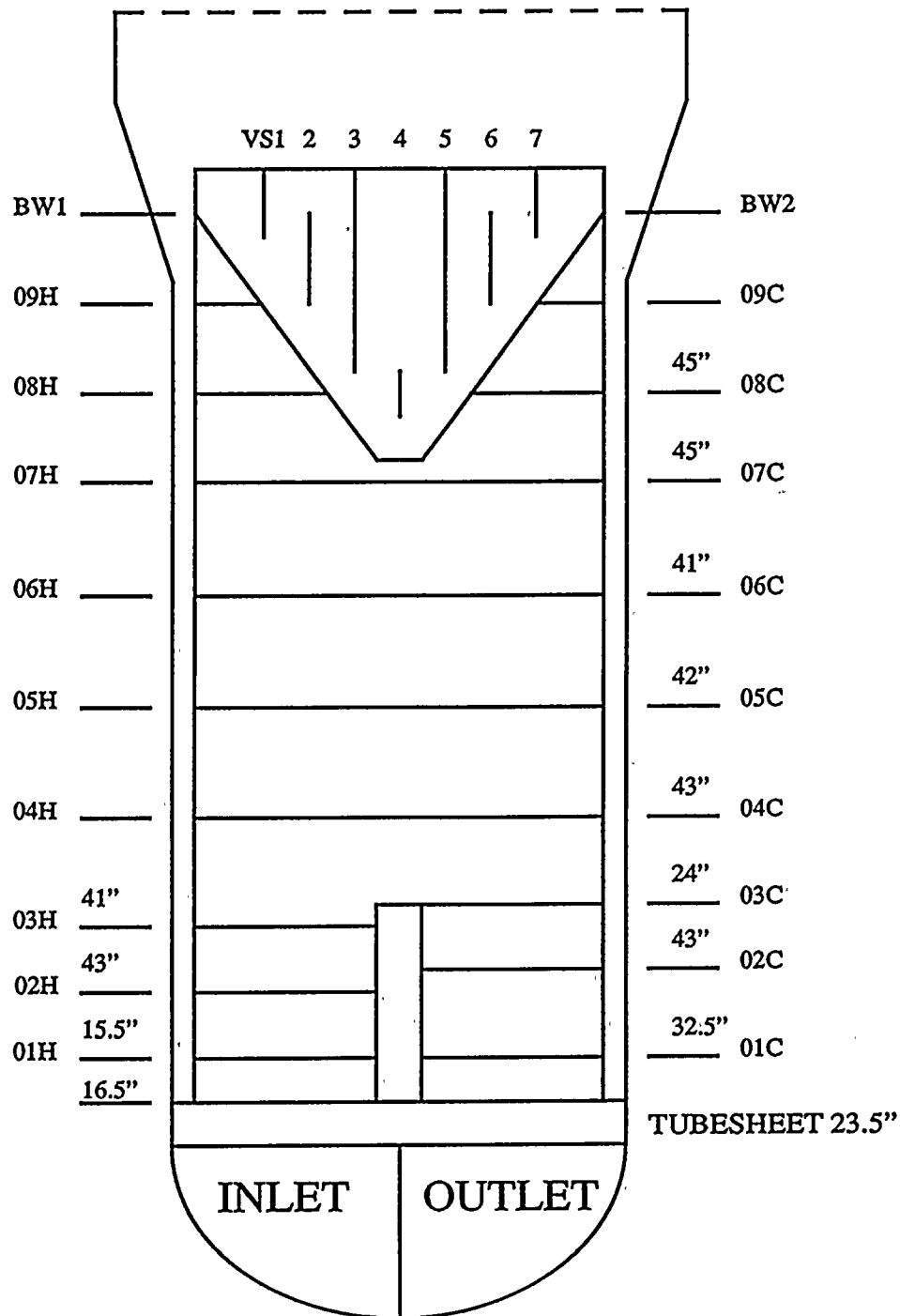
TABLE 2
INDICATION SUMMARY

INDICATION CATEGORY	STEAM GENERATOR 31			STEAM GENERATOR 32			
Cold Leg Corner Eggcrate Wear							
0% to 19%	0			0			
20% to 29%	0			0			
30% to 39%	0			0			
40% to 100%	0			0			
Eggcrate Wear							
0% to 19%	474			376			
20% to 29%	60			83			
30% to 39%	9			14			
40% to 100%	1			0			
Flow Dist Plate Wear							
0% to 19%	0			0			
20% to 29%	0			0			
30% to 39%	0			0			
40% to 100%	0			0			
Batwing Wear							
0% to 19%	763			655			
20% to 29%	127			80			
30% to 39%	25			19			
40% to 100%	1			0			
Vertical Strap Wear							
0% to 19%	237			199			
20% to 29%	42			18			
30% to 39%	9			4			
40% to 100%	0			0			
Possible Loose Parts							
PLI	0			0			
PLP	6			0			
Axial Indications	orig	exp 1	exp 4	orig	exp 1	exp 3	exp 4
TEH/TSH	0	0	0	1	0	0	0
08H-2nd VS	8	0	0	15	0	0	0
Circumferential Indications	0			0			
Volumetric Indications	21			43			

APPENDIX A

STEAM GENERATOR TUBE SUPPORT DIAGRAM

CE SYSTEM 80 STEAM GENERATOR TUBE SUPPORT DIAGRAM



NOTES:

SUPPORTS 01C&01H
ARE FLOW DISTRI-
BUTION BAFFLES

SUPPORTS 02 THRU 09
ARE EGGRATE TYPE

SUPPORT SPACINGS ARE
IDENTIFIED IN INCHES
BETWEEN THE SUPPORT
CENTER LINES

CORNER EGGRATE IS
COLD LEG SIDE, 7 ROWS
UP, 22 LINES IN, 02C THRU
04C SUPPORTS

APPENDIX B

EXAMINATION PLAN

LEGEND

ROW:	Indicates the row number of a given tube
LIN:	Indicates the column number of a given tube.
LEG:	Indicates the tube leg from which examination was performed; C is from cold leg, H is from hot leg.
EXAM EXTENT PROGRAM:	Indicates the tube length initially required to be examined, i.e., F/L-full length, 07H-seventh support on hot leg side, etc.
EXAM EXTENT ACTUAL:	Indicates the tube length actually examined.
EXP:	Indicates expansion number.
CAL:	Indicates calibration number.
PROBE:	Indicates probe diameter and style used for examination. MF-bobbin coil mid-frequency SF-bobbin coil spring flex HS-bobbin coil high speed BC-RPC big coil CP-RPC ceramic plus point TP-RPC torlon plus point
LOCATION:	Gives indication location relative to known landmarks such as supports, vertical straps, and batwings. Typical location codes are as follows: #1 Vertical Strap.....VS1 #1 Batwing.....BW1 #1 Support Plate in Hot Leg.....01H #7 Support Plate in Cold Leg.....07C Top Tube Sheet Cold LegTSC Tube End Hot Leg.....TEH Tube End Cold Leg.....TEC
VOLTS:	Indicates the peak-to-peak voltage of a given indication response.
DEG:	The measured phase angle of a given indication response. °
%:	The percent through the tube wall of a given indication based on the measured phase angle/amplitude and the calibration curve established for that particular channel, or analysis comment codes, e.g., PLP = Possible Loose Parts, etc.
CH:	Indicates the channel used to measure and evaluate a given indication.
RPC:	Rotating Pancake Coil.
ANALYSIS CODES:	Absolute DriftADR After Pressure Test.....APT Bad Data.....BDA Baseline Indication.....BLI Bulge.....BLG Bowing.....BOW Deposit.....DEP Dent.....DNT Distorted Support Signal With Indication.....DSI Distorted Top of Tubesheet With Indication.....DTI Expansion Transition LocationETL For Information OnlyFIO FixtureFIX ID Chatter.....IDC Indication Not FoundINF Indication Not Reportable.....INR Multiple Axial Indication.....MAI Multiple Circumferential IndicationMCI Multiple Volumetric Indication.....MVI No Bobbin Indication.....NBI

No Detectable Defect.....	NDD
Non-Quantifiable Indication	NQI
No Tube Sheet Expansion.....	NTE
Obstructed	OBS
Previous Bobbin Call	PBC
Possible Deposit.....	PDP
Positive Identification	PID
Plugged	PLG
Possible Loose Part with Indication.....	PLI
Possible Loose Part.....	PLP
Previous RPC Call	PRC
Retest From Other Leg.....	ROL
Retest With 3 coil Probe	R3C
Review Bobbin Probe	RBP
Retest With Flexible U-bend RPC Probe.....	RFF
Retest with Magnetic Bias RPC Probe	RMB
Single Axial Indication	SAI
Single Circumferential Indication.....	SCI
Sleeved.....	SLV
Single Volumetric Indication	SVI
Sludge	SLG
Volumetric Indication.....	VOL
To Be Plugged.....	TBP
Tube Number check	TNC
Ultrasonic Tube Test	UTT

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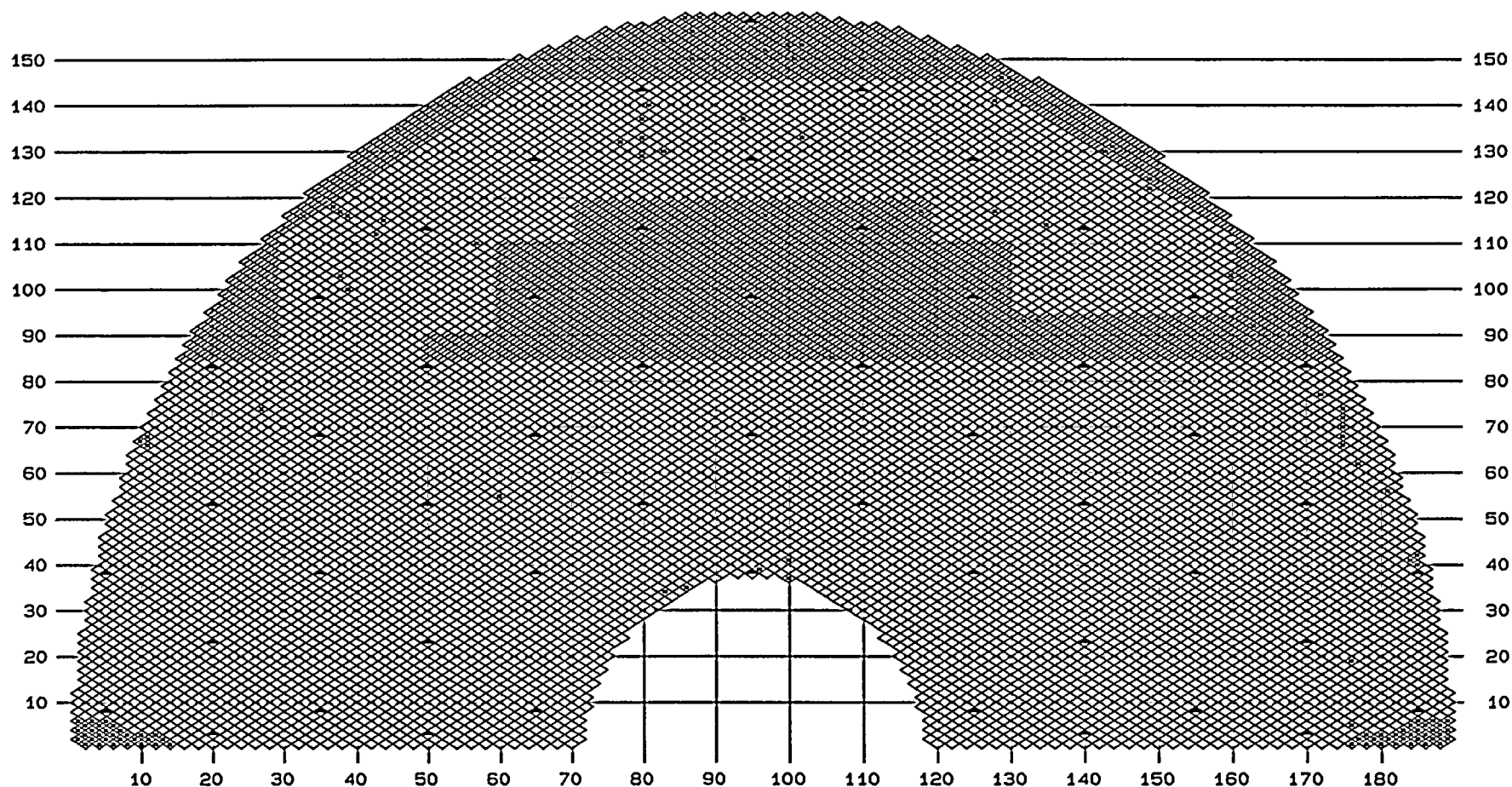
STEAM GENERATOR: 31
FULL LENGTH BOBBIN

DATE: 11/29/94
TIME: 17:34:54

CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 1, 2, 3, 4

STAYS

PLUGGED 128 X TEC-TEH 2098 /





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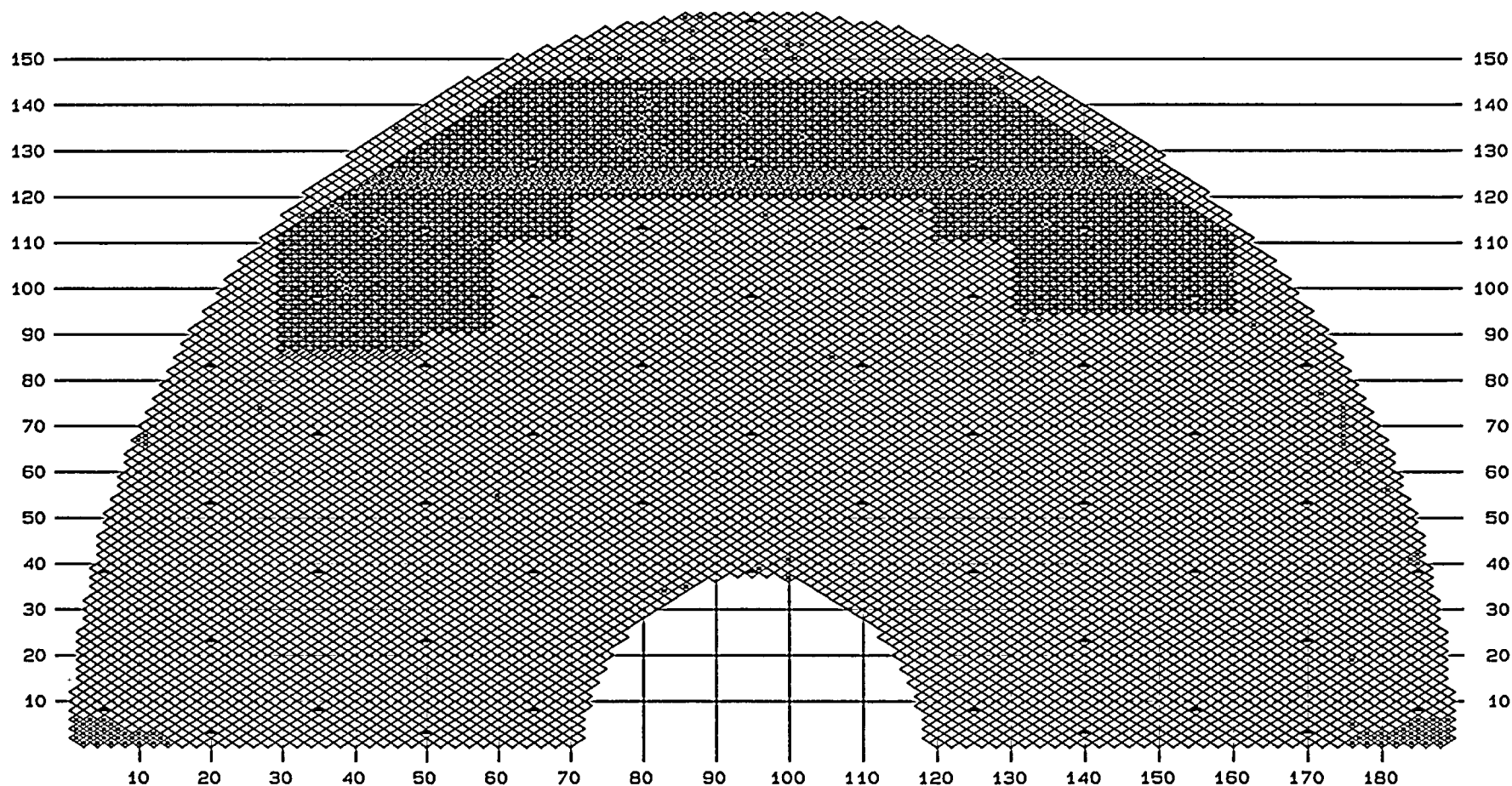
STEAM GENERATOR: 31
MRPC 08H - 2ND VS

DATE: 11/29/94
TIME: 17:39:26

CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 5, 6, 7, 8, 9, 10

STAYS

PLUGGED 128 X 08H-VS5 20 / 08H-VS3 1832 O 08H-VS2 213 Δ





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13

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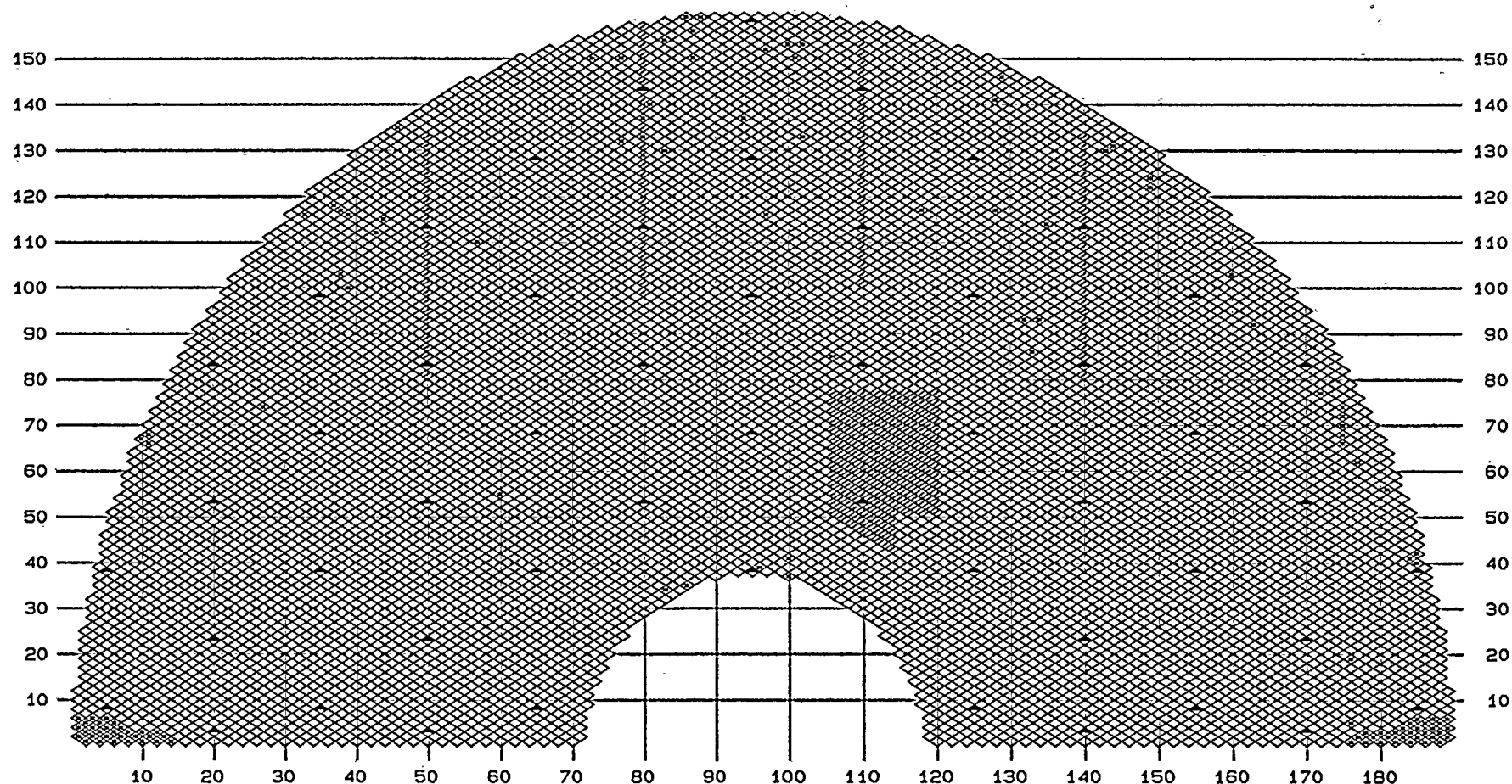
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TSH - TSH

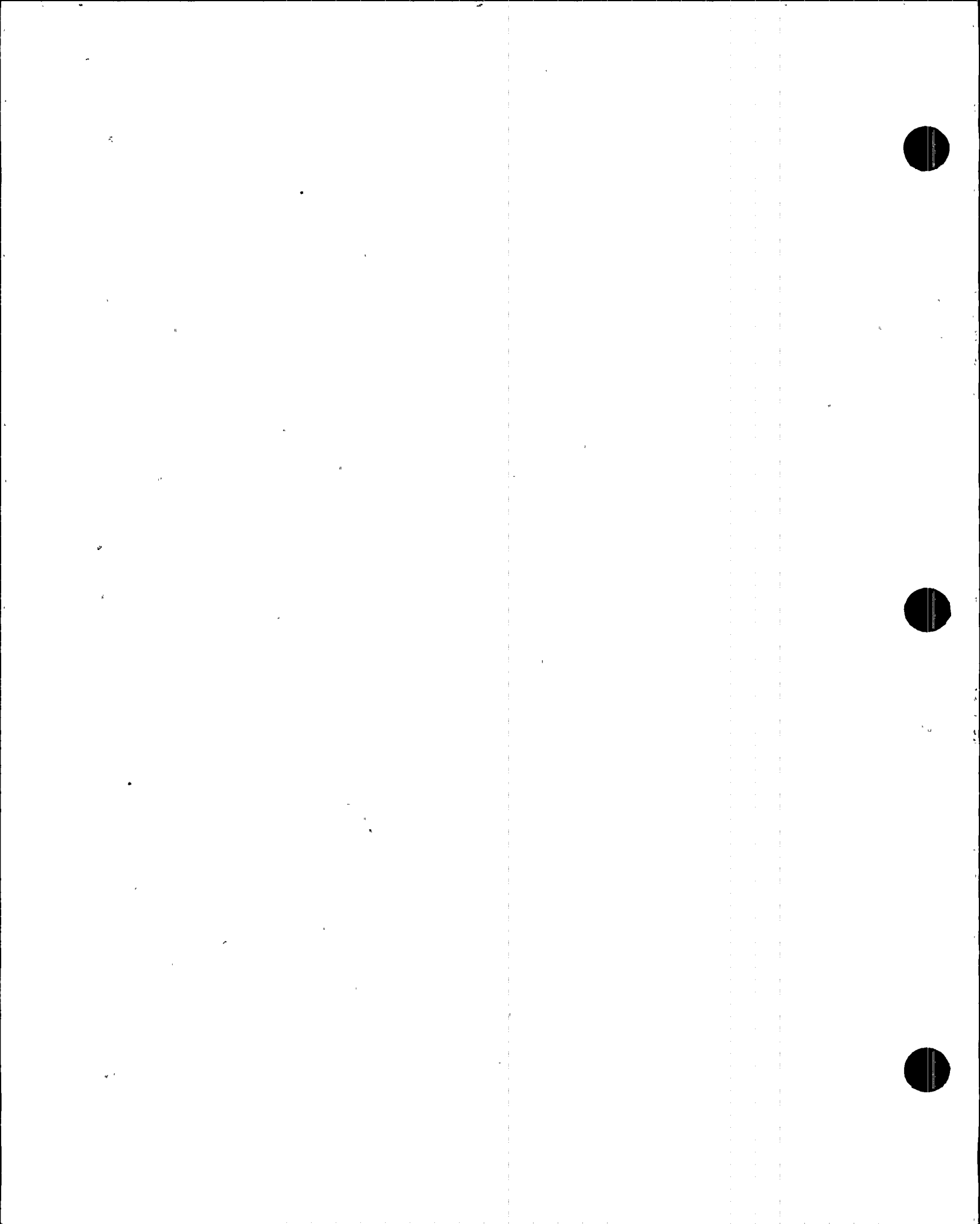
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TIME: 17:42:14

CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 11, 12

STAYS

PLUGGED 128 X TSH-TSH 322 /





12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR: 31
EXPANSION 1 HOT LEG

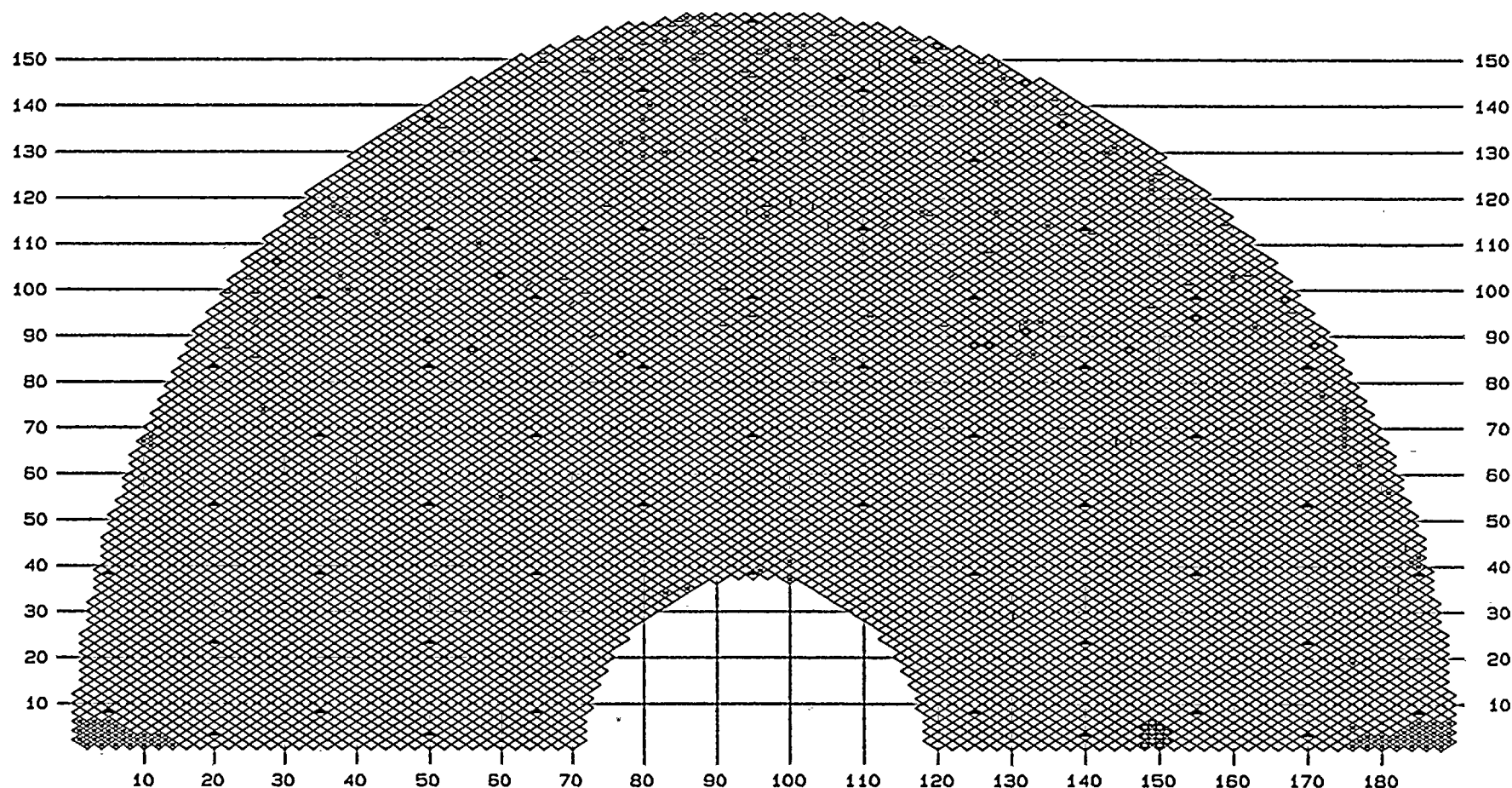
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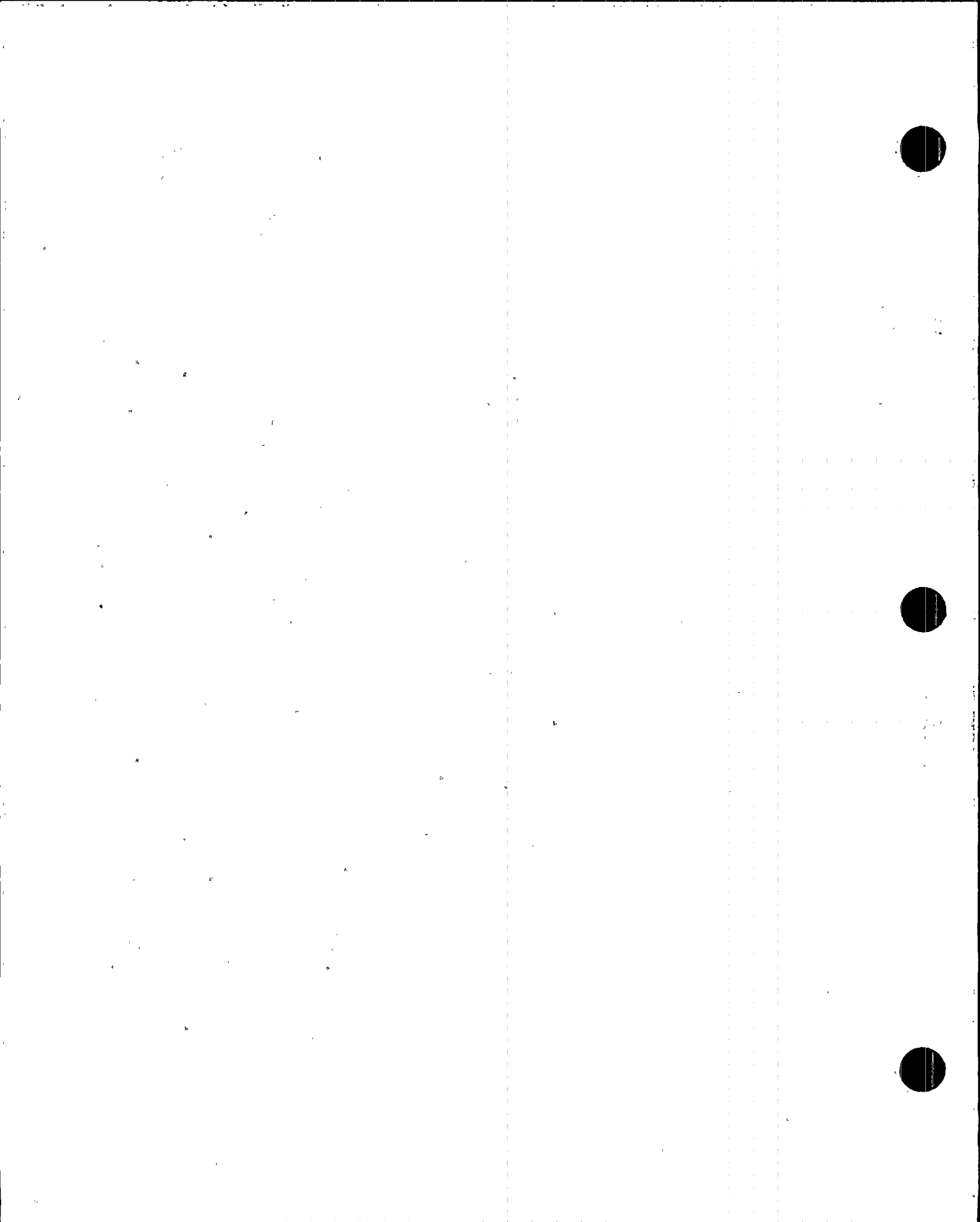
CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 17, 18, 19, 25, 26

STAYS ▲

PLUGGED 128 X Group17 29 O Group18 46 - Group19 12 I Group25 7 / Group26 0 -

MULTIPLE 2 -





12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR: 31
EXPANSION 1 COLD LEG

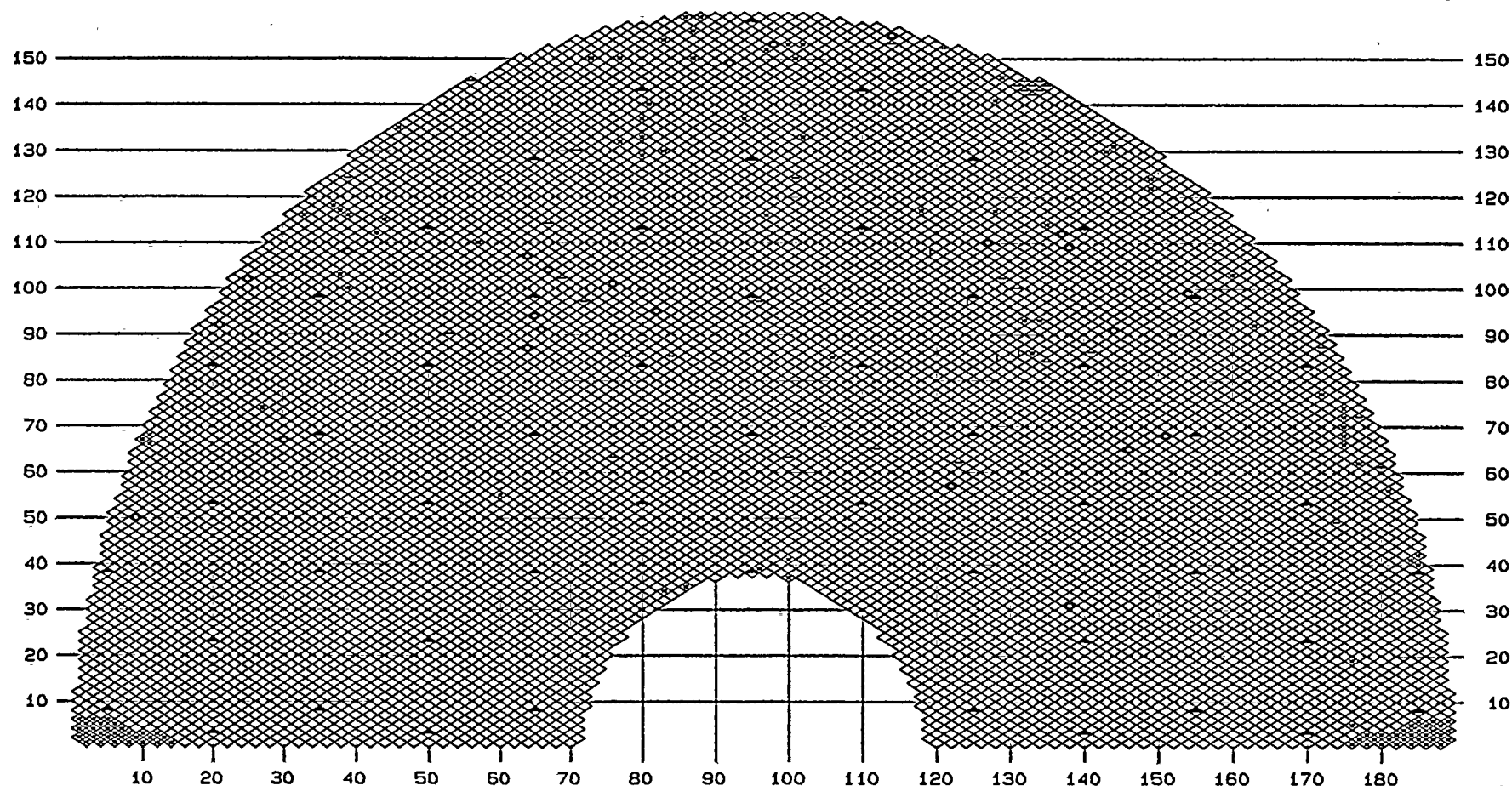
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TIME: 14:37:04

CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 14, 15, 21

STAYS

PLUGGED 128 X Group14 25 O Group15 33 - Group21 4 I

MULTIPLE 0 -





12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR: 31
EXPANSION 2
Scope:

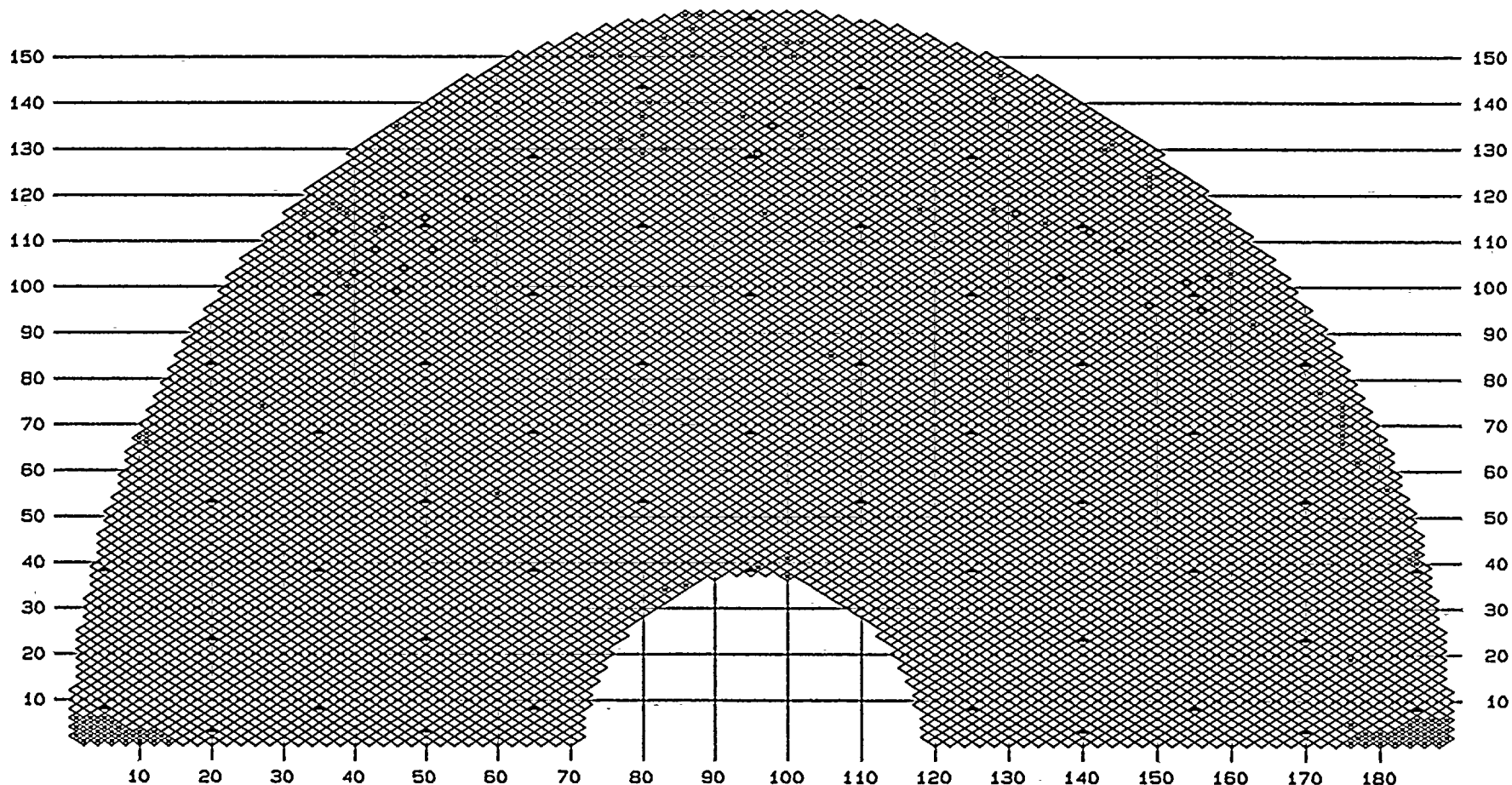
DATE: 01/15/95
TIME: 14: 29: 29

STAYS

PLUGGED 128 X 610HS 21 O

MULTIPLE 0 -

OTHER 0 -





12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR: 31
EXPANSION 4

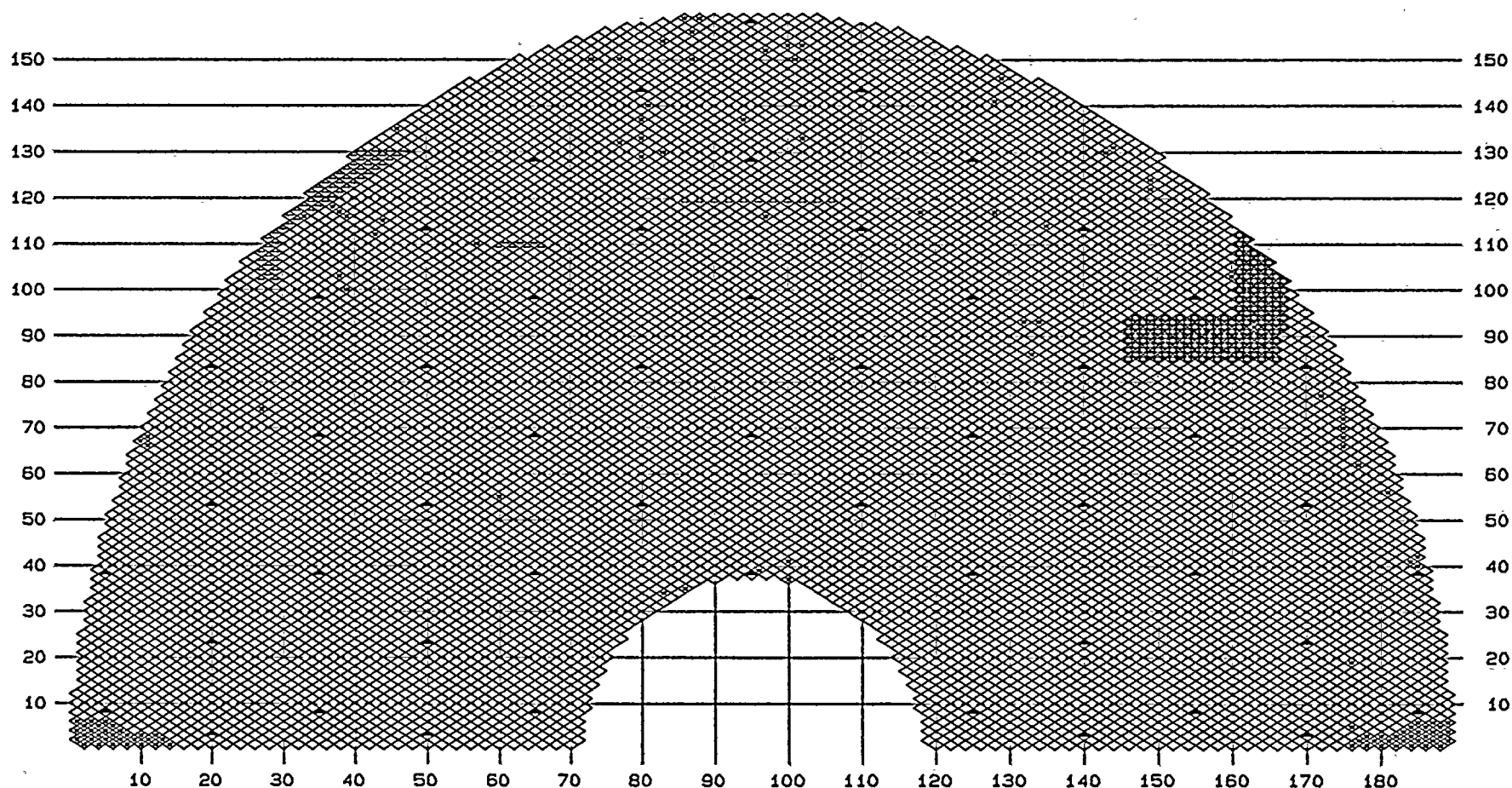
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TIME: 14:24:33

CRITERIA: TUBES TO BE EXAMINED IN GROUP(S) 22, 23

STAYS

PLUGGED 128 X Group22 153 O Group23 77 -

MULTIPLE 0 -



12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR: 32
FULL LENGTH BOBBIN

DATE: 11/29/94
TIME: 17:02:02

CRITERIA: TUBES TO BE EXAMINED IN GROUP(S) 1, 2, 3, 4

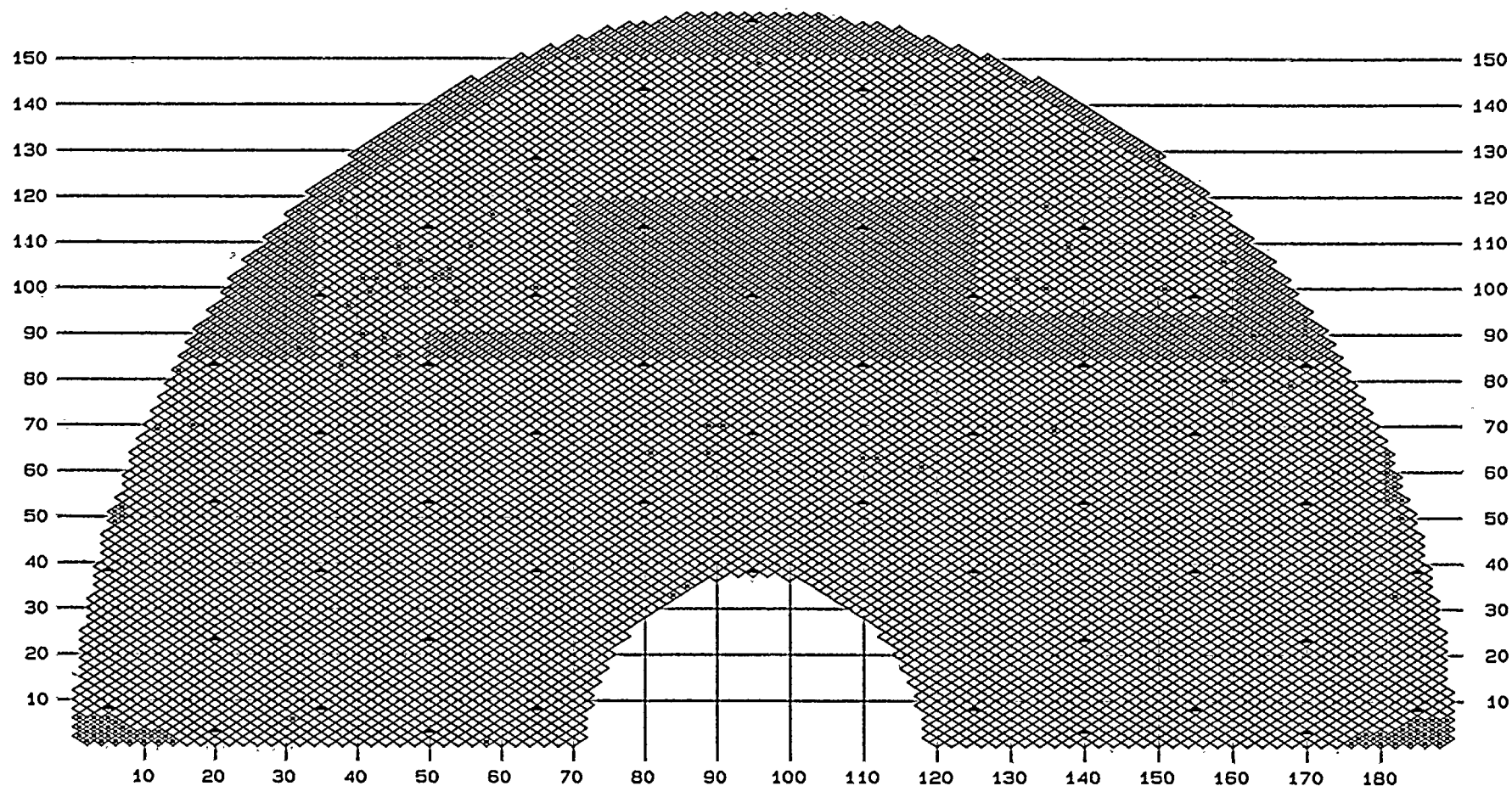
STAYS

PLUGGED

138 X

TEC-TEH

1843 /



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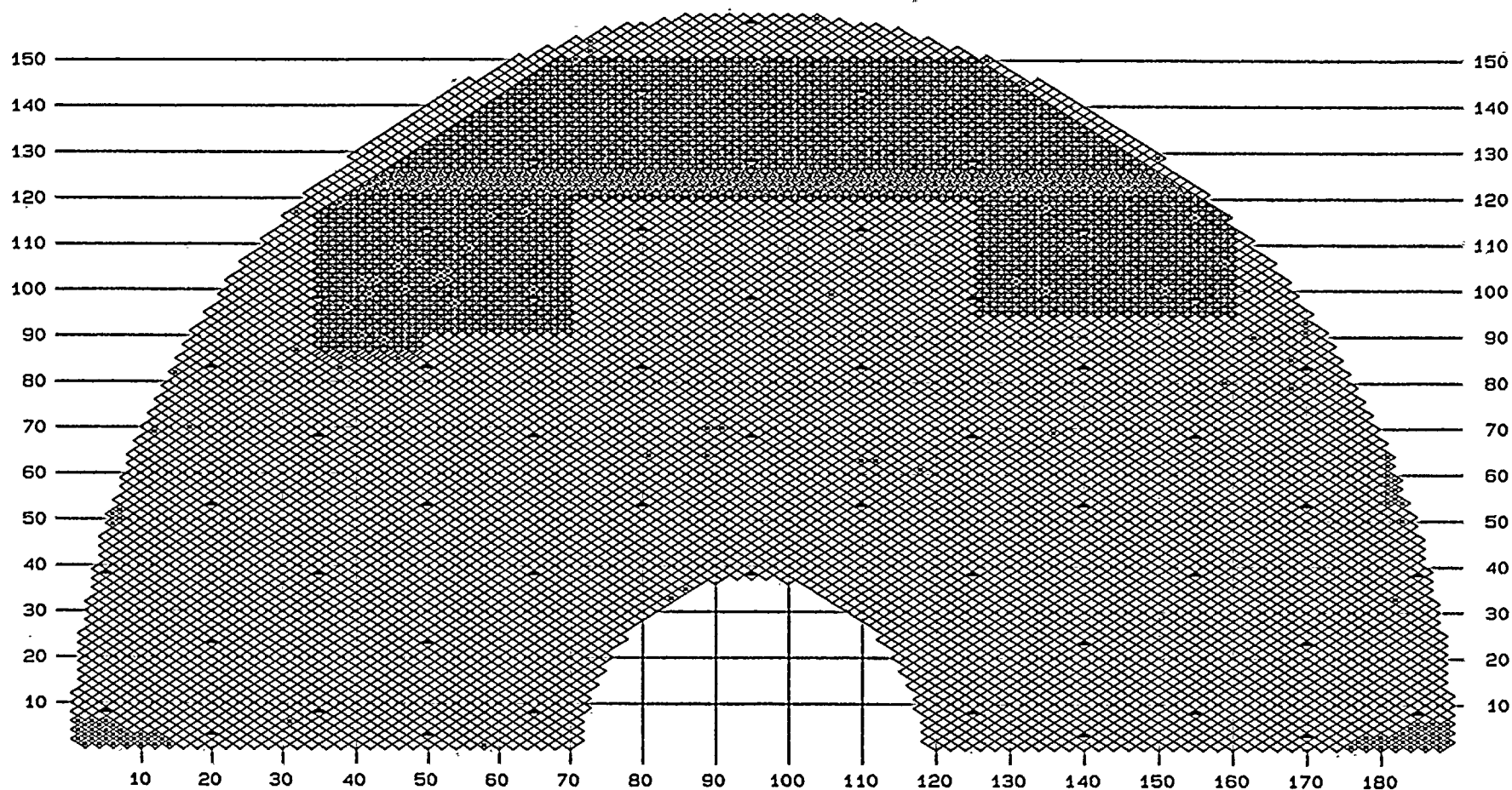
STEAM GENERATOR: 32
MRPC 08H - 2ND VS

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TIME: 20:34:59

CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 5, 6, 7, 8, 9, 10

STAYS

PLUGGED 138 X 08H-VS5 13 / 08H-VS3 2086 O 08H-VS2 222 Δ





12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

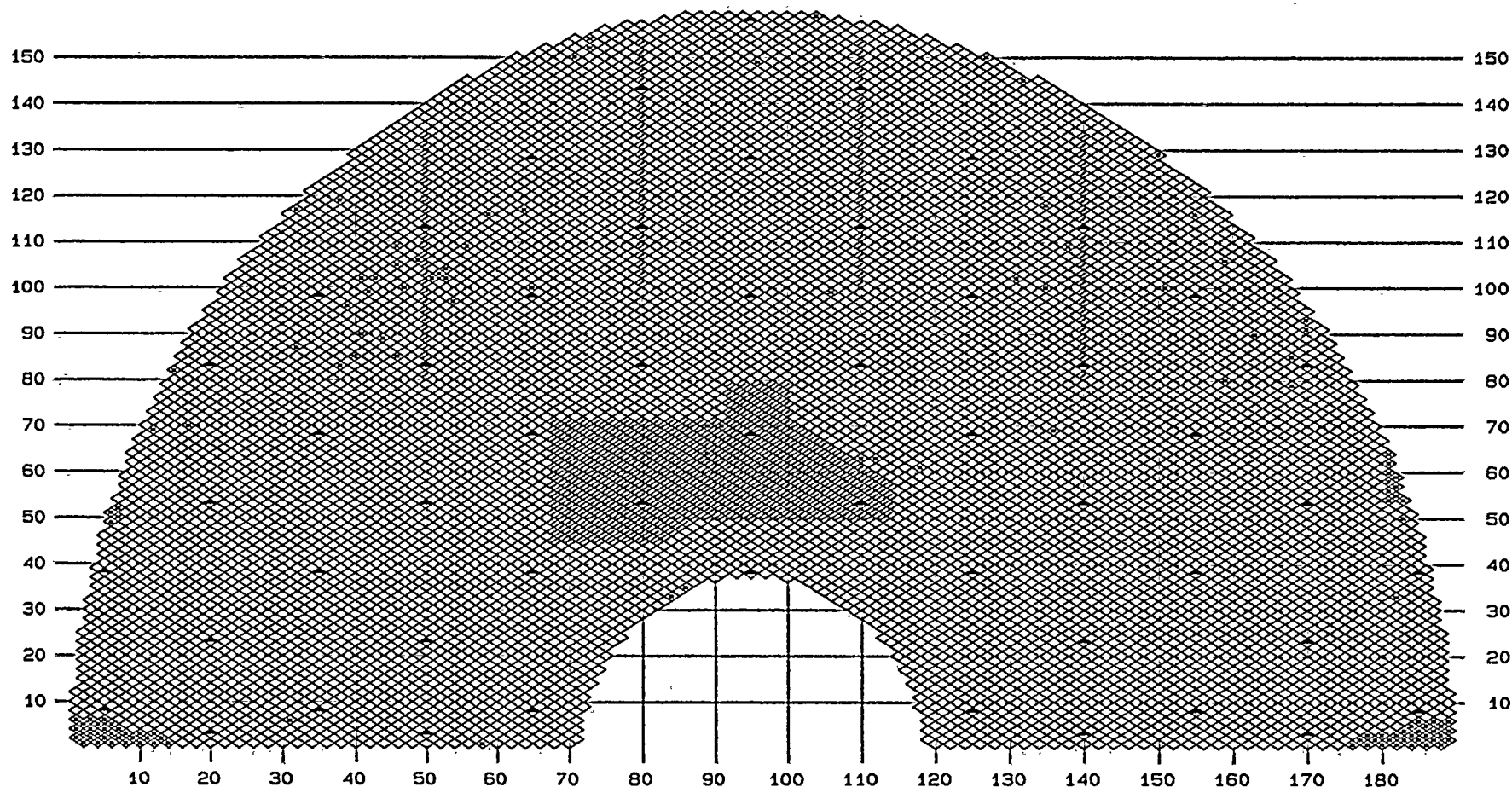
STEAM GENERATOR: 32
TSH - TSH

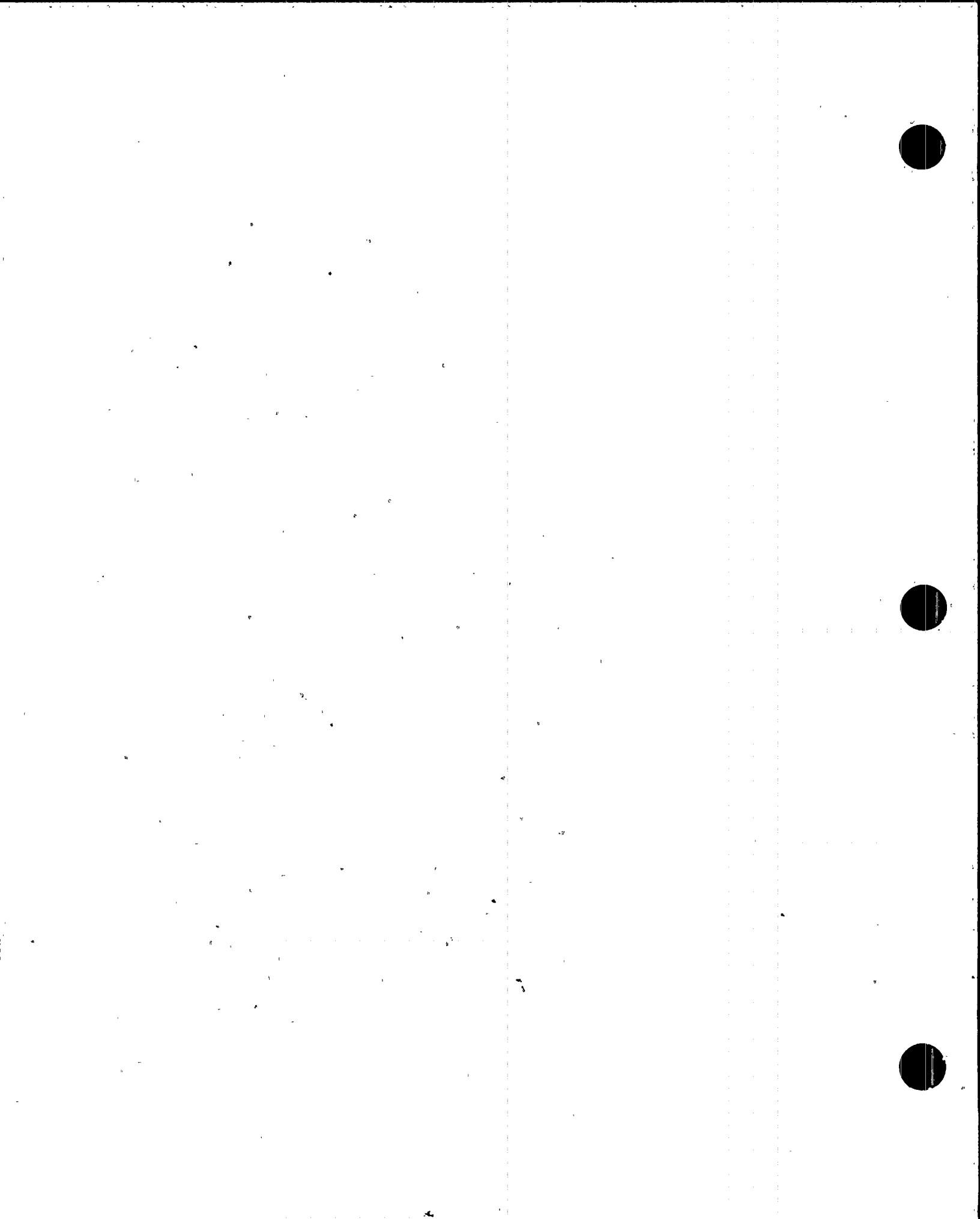
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TIME: 16:53:57

CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 11, 12

STAYS

PLUGGED 138 X TSH-TSH 641 /





12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR: 32
EXPANSION 1 HOT LEG

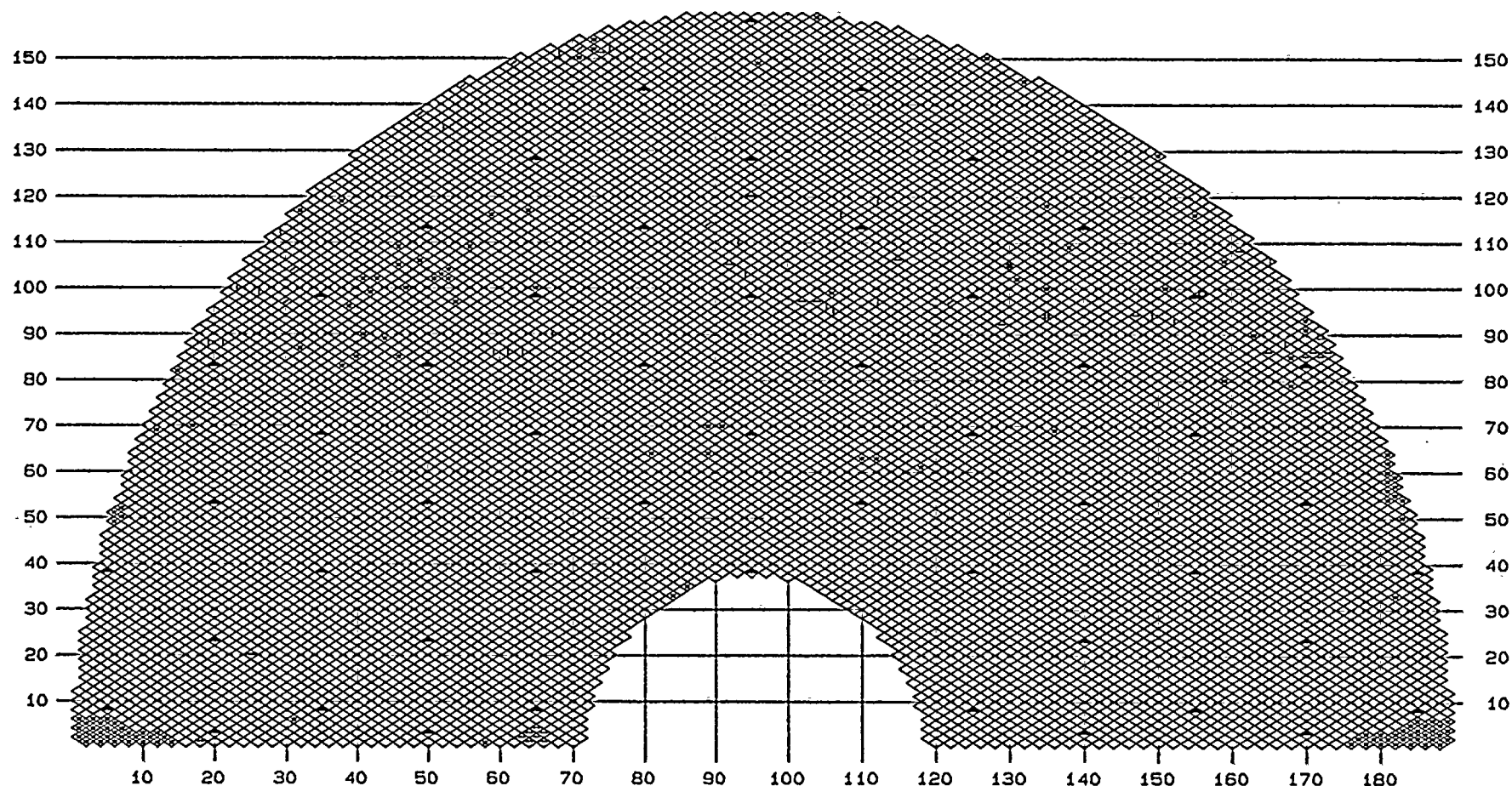
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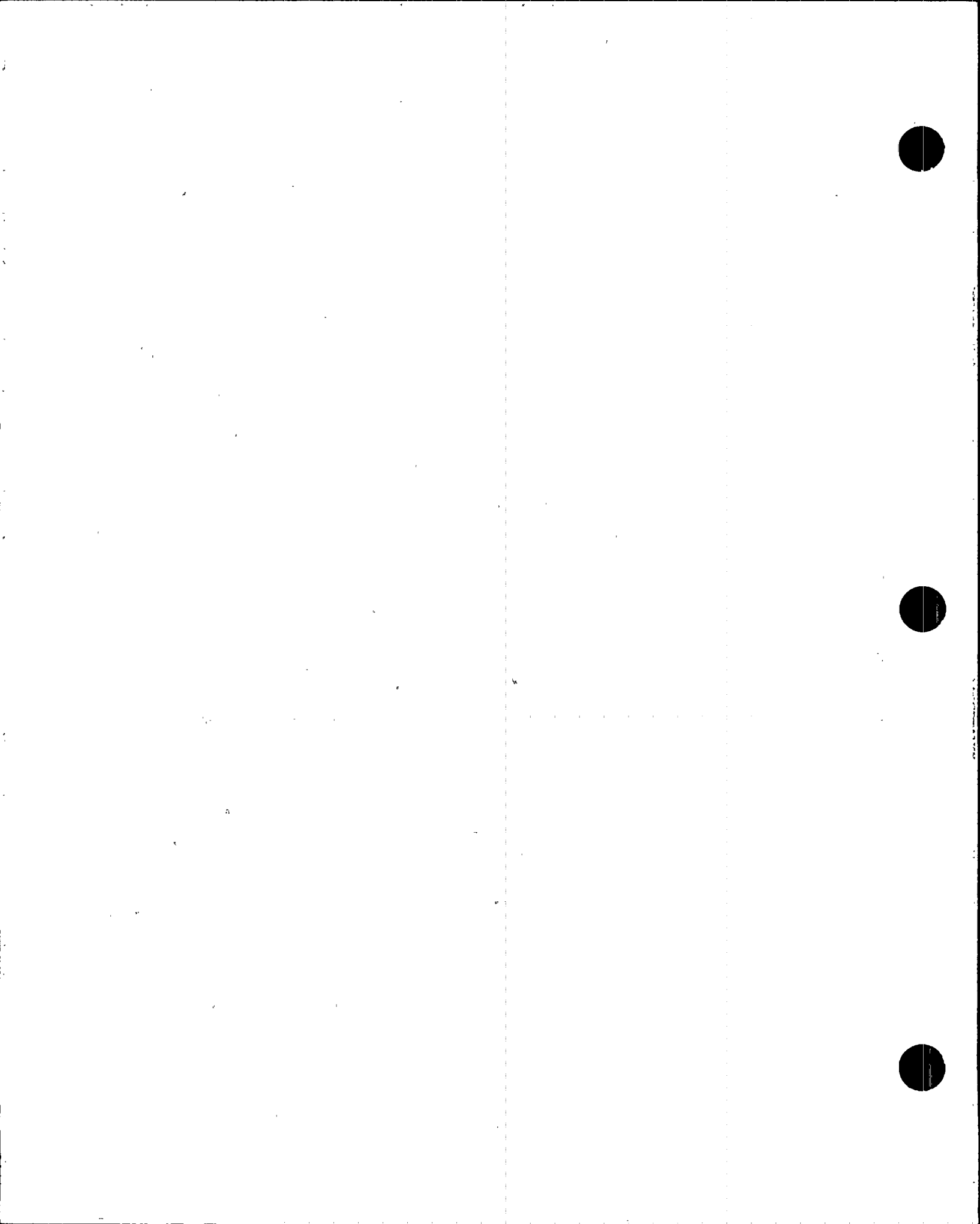
CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 17, 20, 21, 22

STAYS

PLUGGED 138 X Group17 1 O Group20 24 - Group21 23 I Group22 8 /

MULTIPLE 2 H





12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR: 32
EXPANSION 1 COLD LEG

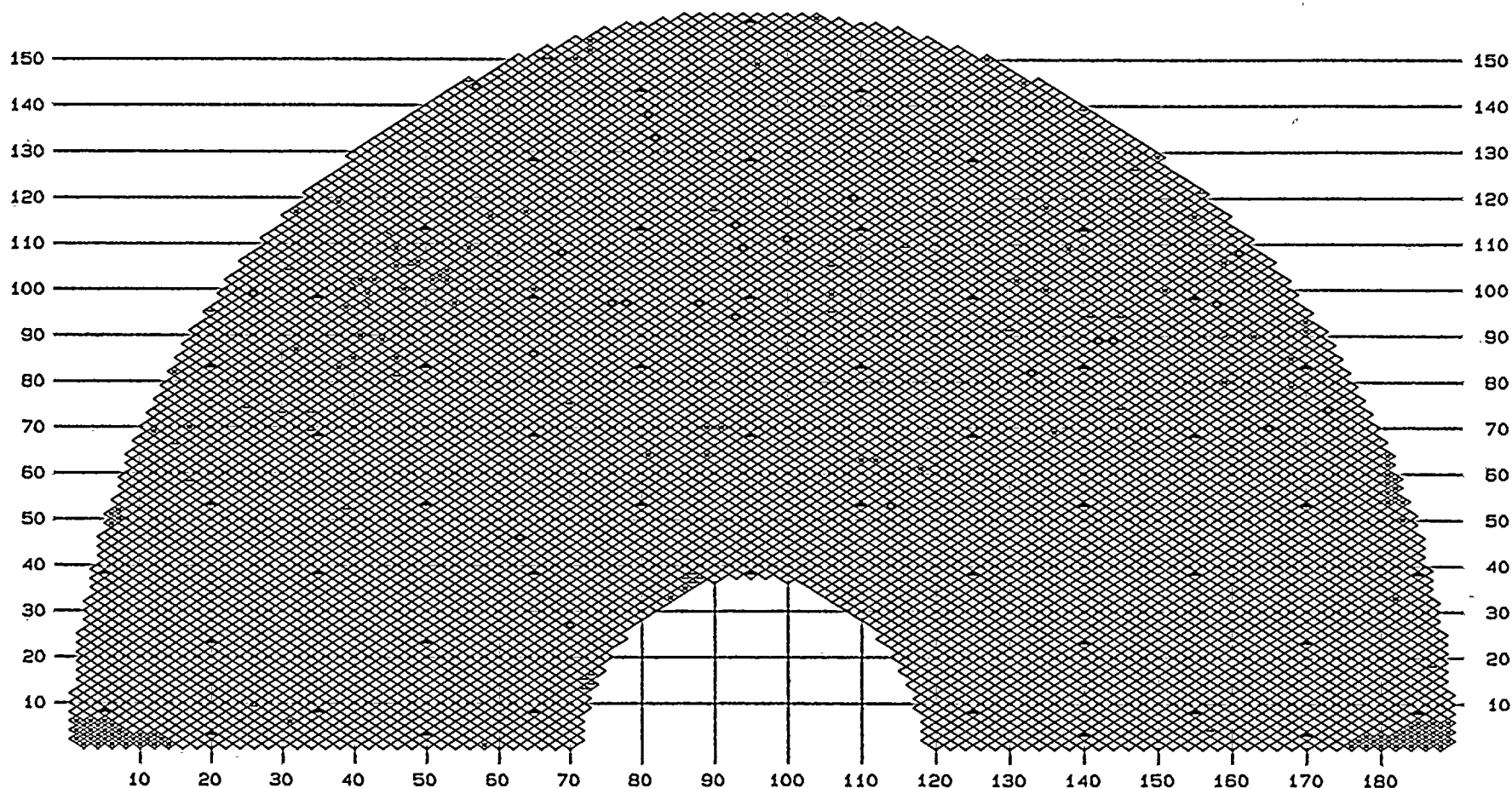
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TIME: 14:54:51

CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 13, 14, 16, 19, 24

STAYS ▲

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MULTIPLE 2 -



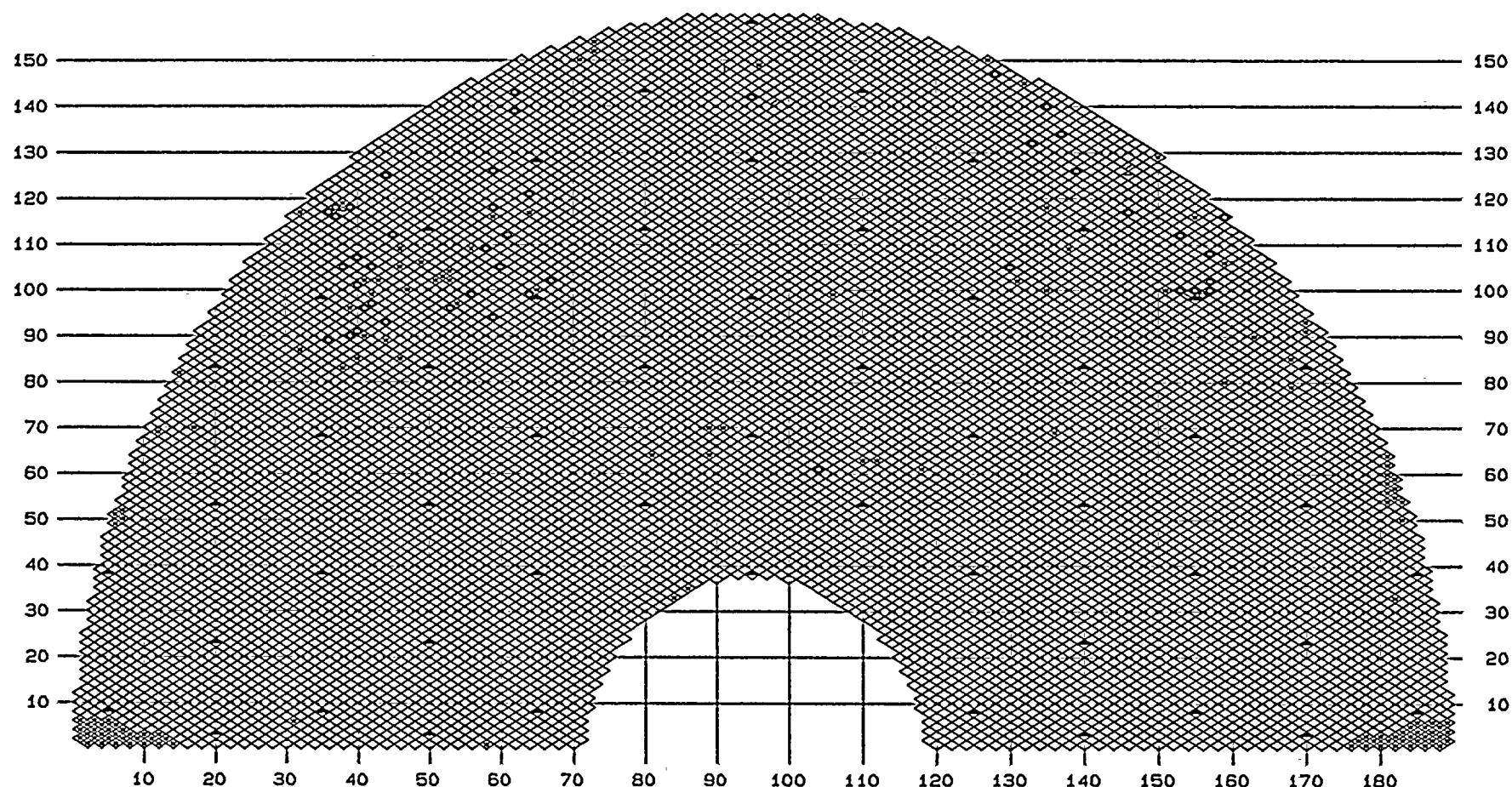
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

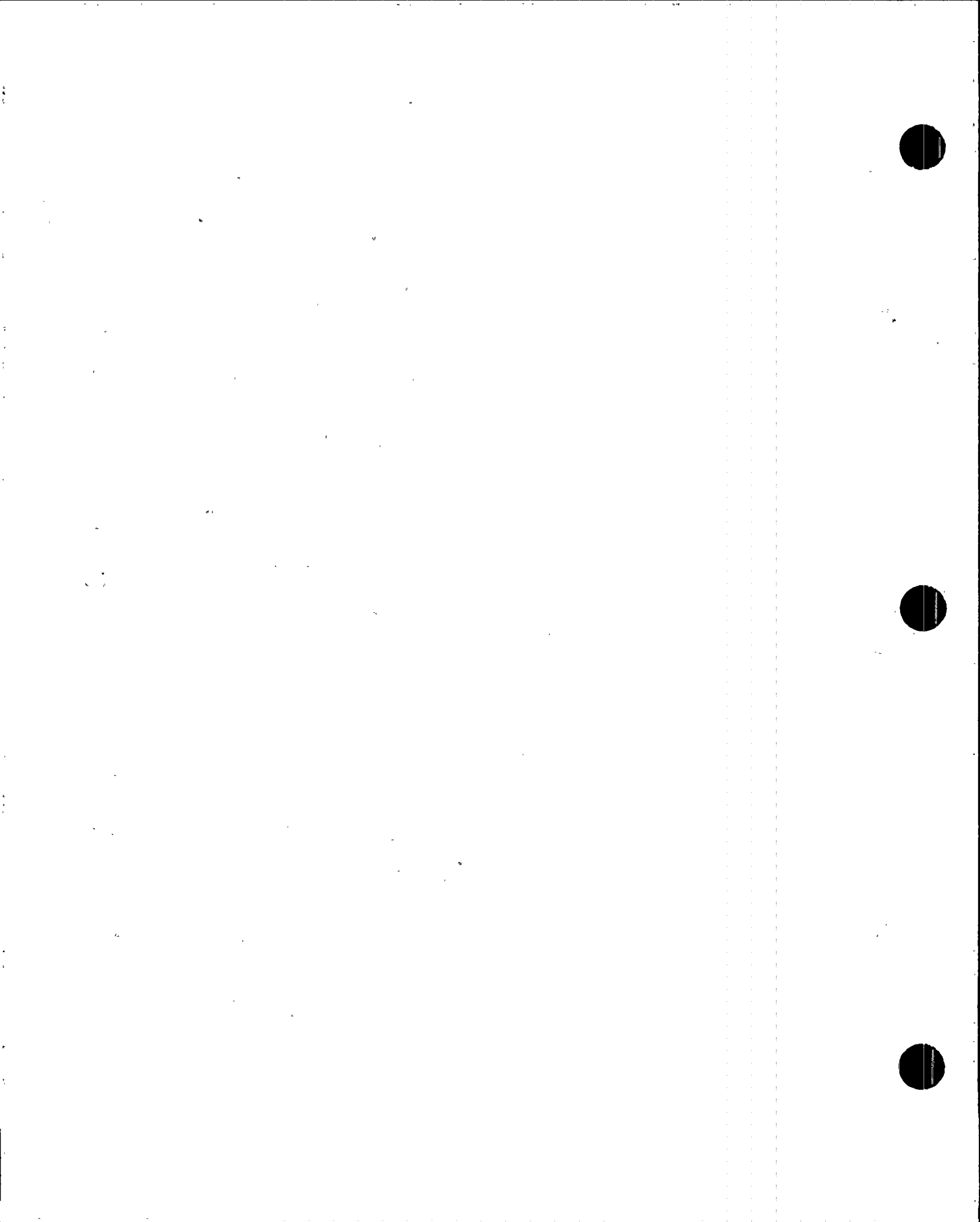
STEAM GENERATOR: 32
EXPANSION 2
Scope:

DATE: 01/15/95
TIME: 14: 48: 30

STAYS

PLUGGED 138 X TEH-TEC 46 O TEH-VS2 2 - TEH-TSC 1 1 TEH-VS1 2 / TEH-VS5 1 \





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STEAM GENERATOR: 32
EXPANSION 3

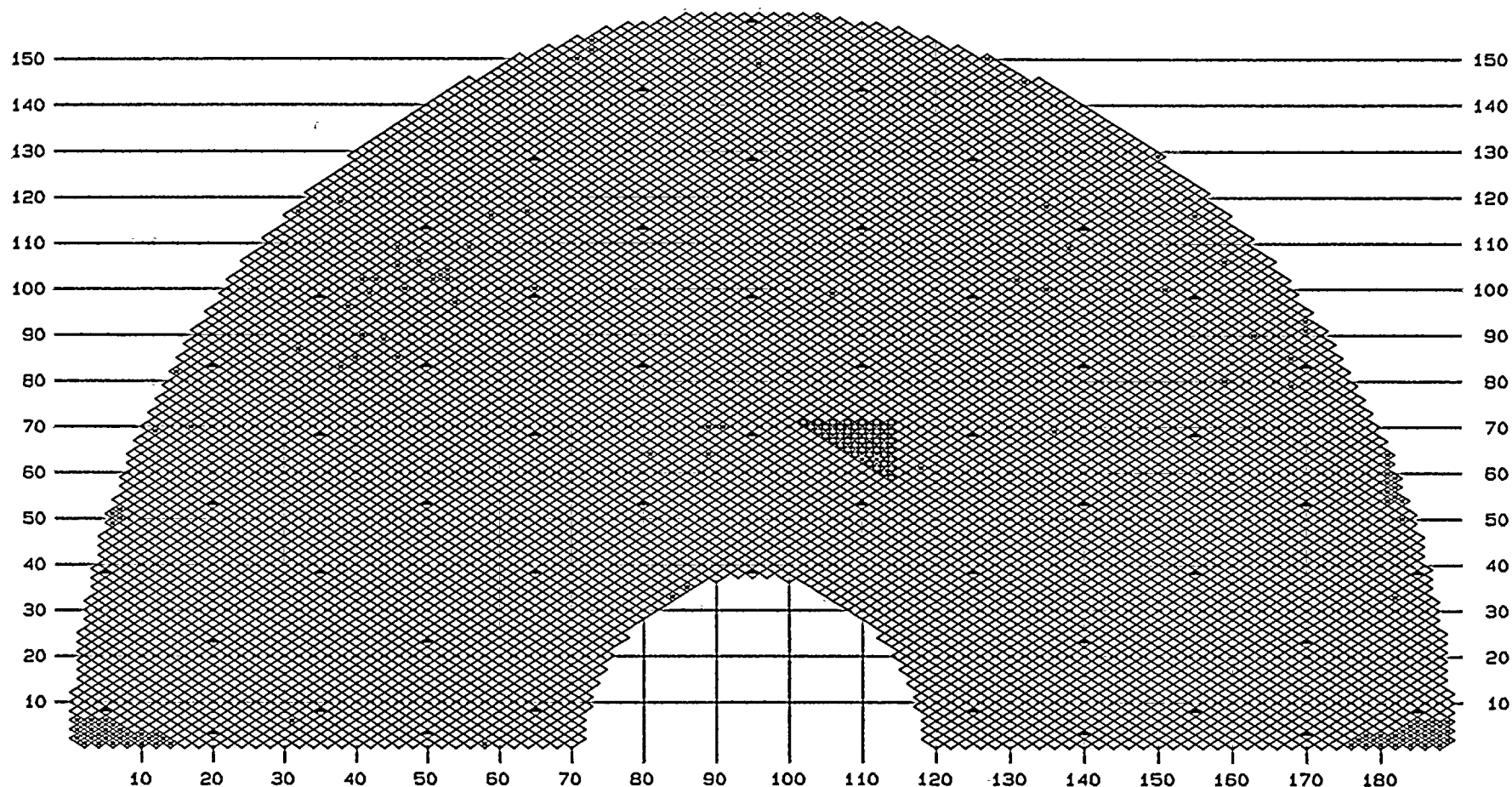
DATE: 01/15/95
TIME: 14:52:32

CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 18

STAYS

PLUGGED 138 X Group18 47 O

MULTIPLE 0 -





12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR: 32
EXPANSION 4

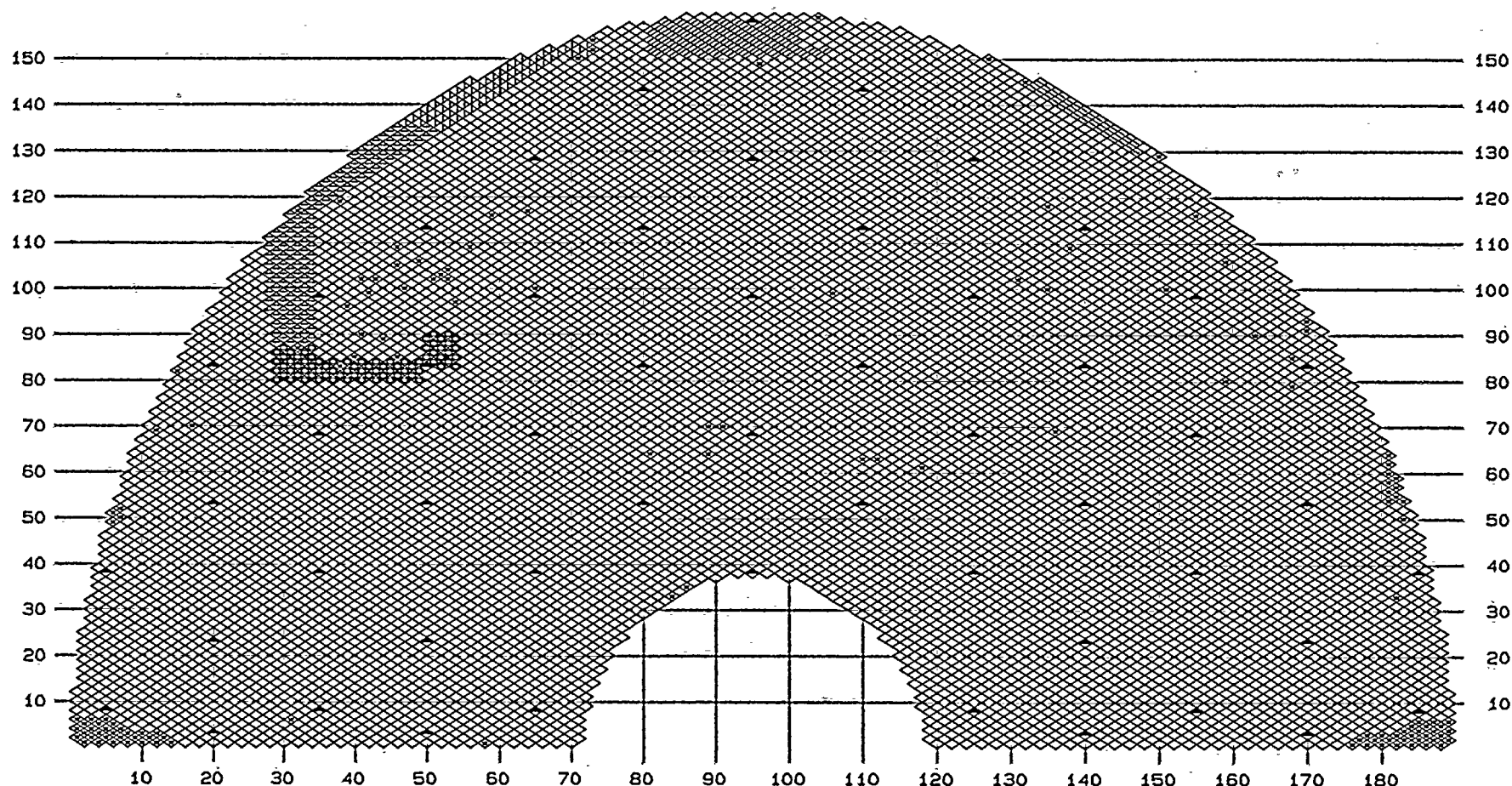
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TIME: 14:59:32

CRITERIA: TUBES TO BE EXAMINED IN GROUP (S) 25, 26, 27, 28, 29

STAYS

PLUGGED 138 X Group25 79 O Group26 151 - Group27 65 I Group28 86 / Group29 29 \

MULTIPLE 0 #





APPENDIX C

SUMMARY DATA SHEETS



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 1 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
91	20	C	TEC-TEH	TEC-TEH		00027	610HS	BW1- 1.87	0.25		0	<20	P 2
95	20	C	TEC-TEH	TEC-TEH		00027	610HS	BW1- 2.00	0.54		0	<20	P 2
99	22	H	BW1-VS2	BW1-VS2	1	00260	580BC	BW1+ 2.19	0.45		0	<20	P 2
86	23	C	TEC-TEH	TEC-TEH		00026	610HS	BW1+ 2.08	0.50		0	<20	P 2
88	23	C	TEC-TEH	TEC-TEH		00027	610HS	BW2+ 1.85	0.42		0	<20	P 2
87	24	C	TEC-TEH	TEC-TEH		00027	610HS	08H+ 0.77	0.99		0	28	P 2
		C	TEC-TEH	TEC-TEH		00027	610HS	BW1- 2.00	0.45		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00027	610HS	BW1+ 1.80	0.65		0	22	P 2
86	25	C	TEC-TEH	TEC-TEH		00026	610HS	BW1+ 1.82	0.43		0	<20	P 2
85	26	H	BW1-VS3	BW1-VS5	1	00260	580BC	BW1- 1.86	0.28		0	<20	P 2
		H	BW1-VS3	BW1-VS5	1	00260	580BC	BW1+ 1.09	0.40		0	<20	P 2
86	27	C	TEC-TEH	TEC-TEH		00026	610HS	VS3- 0.72	0.51		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00026	610HS	VS3- 0.07	1.62		0	35	P 2
		C	TEC-TEH	TEC-TEH		00026	610HS	VS5+ 0.07	0.72		0	22	P 2
104	27	H	08H-VS3	08H-VS3	4	00251	580TP	BW1+ 1.70	0.30		0	<20	P 2
97	28	C	TEC-TEH	TEC-TEH		00029	610HS	BW1+ 1.99	0.22		0	<20	P 2
99	28	C	TEC-TEH	TEC-TEH		00028	610HS	BW1+ 1.78	0.38		0	<20	P 2
103	28	H	08H-VS3	08H-VS3	4	00253	580TP	BW1- 2.00	0.18		0	<20	P 2
107	28	H	08H-VS3	08H-VS3	4	00253	580TP	BW1- 2.00	0.24		0	<20	P 2
109	28	C	TEC-TEH	TEC-TEH		00029	610HS	VS2+ 0.70	0.56		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00253	580TP	VS2+ 0.97	0.30		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00029	610HS	VS5- 0.95	0.35		0	<20	P 2
111	28	H	08H-VS3	08H-VS3	4	00251	580TP	BW1- 0.47	0.84		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00251	580TP	BW1+ 0.55	0.63		0	<20	P 2
98	29	C	TEC-TEH	TEC-TEH		00029	610HS	08H+ 0.84	0.33		0	<20	P 2
102	29	H	08H-VS3	08H-VS3	4	00254	580TP	BW1- 2.00	0.65		0	<20	P 2
104	29	H	08H-VS3	08H-VS3	4	00254	580TP	VS2- 0.84	0.23		0	<20	P 2
106	29	H	08H-VS3	08H-VS3	4	00254	580TP	VS2+ 0.15	0.51		0	<20	P 2
110	29	H	08H-VS3	08H-VS3	4	00254	580TP	VS2+ 0.07	0.80		0	20	P 2
112	29	H	08H-VS3	08H-VS3	4	00253	580TP	BW1+ 2.00	0.35		0	<20	P 2
87	30	H	08H-VS3	08H-VS3		00221	580TP	BW1+ 1.86	0.30		0	<20	P 2
93	30	H	08H-VS3	BW1-VS3		00221	580TP	BW1- 1.81	0.36		0	<20	P 2
95	30	H	08H-VS3	BW1-VS3		00221	580TP	BW1- 1.83	0.30		0	<20	P 2
97	30	H	08H-VS3	08H-VS3		00221	580TP	BW1+ 1.76	0.62		0	<20	P 2
101	30	H	08H-VS3	08H-VS3		00038	580CP	BW1- 1.87	1.54		0	30	P 2
103	30	H	08H-VS3	08H-VS3		00042	580CP	BW1- 1.78	0.70		0	<20	P 2
86	31	H	08H-VS5	08H-VS5		00039	580CP	VS3+ 0.91	0.28		0	<20	P 2
90	31	H	08H-VS3	08H-VS3		00039	580CP	BW1+ 1.93	0.66		0	<20	P 2
102	31	H	08H-VS3	08H-VS3		00038	580CP	VS2+ 0.06	0.59		0	<20	P 2
104	31	H	08H-VS3	08H-VS3		00039	580CP	VS2- 0.90	0.72		0	<20	P 2
106	31	H	08H-VS3	08H-VS3		00221	580TP	VS2- 0.87	0.52		0	<20	P 2
108	31	H	08H-VS3	08H-VS3		00039	580CP	VS2- 0.88	0.59		0	<20	P 2
114	31	H	08H-VS3	08H-VS3	4	00251	580TP	BW1+ 1.97	0.39		0	<20	P 2
116	31	H	08H-VS3	08H-VS3	4	00251	580TP	BW1+ 1.42	0.30		0	<20	P 2
115	32	H	08H-VS3	08H-VS3	4	00251	580TP	VS2- 0.86	0.33		0	<20	P 2

CONAM NUCLEAR, INC.



100-100000-100000



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 2 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
117	32	H	08H-VS3	08H-VS3	4	00253	580TP	09H+ 1.22	0.28		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00028	610HS	09H+ 1.39	0.62		0	20	P 2
		H	08H-VS3	08H-VS3	4	00253	580TP	BW1- 1.73	0.28		0	<20	P 2
86	33	H	08H-VS5	08H-VS3		00044	580CP	BW1+ 1.62	0.63		0	<20	P 2
88	33	H	08H-VS3	08H-VS3		00044	580CP	BW1+ 1.74	0.83		0	<20	P 2
92	33	H	08H-VS3	08H-VS3		00038	580CP	BW1+ 1.36	0.48		0	<20	P 2
94	33	H	08H-VS3	08H-VS3		00221	580TP	BW1+ 1.23	0.43		0	<20	P 2
118	33	H	08H-VS3	08H-VS3	4	00254	580TP	BW1+ 1.89	0.32		0	<20	P 2
87	34	H	08H-VS3	08H-VS3		00044	580CP	VS2- 1.00	0.30		0	<20	P 2
95	34	H	08H-VS3	08H-VS3		00221	580TP	BW1- 1.78	1.18		0	27	P 2
		H	08H-VS3	08H-VS3		00221	580TP	VS2- 0.79	0.52		0	<20	P 2
		H	08H-VS3	08H-VS3		00221	580TP	VS2+ 0.76	0.45		0	<20	P 2
97	34	H	08H-VS3	08H-VS3		00044	580CP	BW1- 2.25	1.32		0	29	P 2
99	34	H	08H-VS3	08H-VS3		00044	580CP	BW1- 2.23	0.82		0	21	P 2
		H	08H-VS3	08H-VS3		00045	580CP	BW1- 1.28	0.46		0	<20	P 2
105	34	H	08H-VS3	08H-VS3		00221	580TP	BW1- 1.95	0.23		0	<20	P 2
107	34	H	08H-VS3	08H-VS3		00044	580CP	BW1- 2.23	0.78		0	21	P 2
111	34	C	TEC-TEH	TEC-TEH	2	00083	610HS	08H+ 0.74	0.16		0	<20	P 2
		H	08H-VS3	08H-VS3		00046	580CP	BW1+ 1.18	0.57		0	SVI	P 2
117	34	H	08H-VS3	08H-VS3	4	00255	580TP	09H+ 1.08	1.01		0	21	P 2
		C	TEC-TEH	TEC-TEH		00028	610HS	09H+ 1.77	0.67		0	21	P 2
94	35	H	08H-VS3	08H-VS3		00046	580CP	08H+ 0.68	0.53		0	<20	P 2
108	35	H	08H-VS3	08H-VS3		00221	580TP	BW1+ 1.80	0.80		0	<20	P 2
		H	08H-VS3	08H-VS3		00221	580TP	VS2- 0.91	0.48		0	<20	P 2
110	35	H	08H-VS3	08H-VS3		00044	580CP	BW1+ 1.69	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3		00044	580CP	VS2+ 0.02	0.55		0	<20	P 2
116	35	H	08H-VS3	08H-VS3		00221	580TP	08H- 1.05	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00221	580TP	09H+ 0.12	2.48		0	38	P 2
118	35	C	TEC-TEH	TEC-TEH		00030	610HS	09H- 1.68	0.89		0	25	P 2
		H	08H-VS3	08H-VS3	4	00250	580TP	09H- 1.54	1.29		0	26	P 2
		H	08H-VS3	08H-VS3	4	00250	580TP	09H+ 0.96	0.87		0	20	P 2
87	36	H	08H-VS3	08H-VS3		00047	580CP	BW1+ 1.81	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3		00047	580CP	VS2+ 0.76	0.30		0	<20	P 2
95	36	H	08H-VS3	08H-VS3		00047	580CP	08H+ 0.70	0.36		0	<20	P 2
107	36	H	08H-VS3	08H-VS3		00046	580CP	BW1+ 1.78	0.54		0	<20	P 2
117	36	H	08H-VS3	08H-VS3		00046	580CP	09H+ 0.90	1.20		0	28	P 2
		H	08H-VS3	08H-VS3		00046	580CP	BW1- 2.07	0.27		0	<20	P 2
121	36	H	08H-VS3	08H-VS3	4	00252	580TP	09H+ 0.85	0.48		0	<20	P 2
123	36	H	08H-VS2	08H-VS2	4	00250	580TP	09H+ 1.00	0.32		0	<20	P 2
		H	08H-VS2	08H-VS2	4	00250	580TP	VS2+ 1.08	0.38		0	<20	P 2
92	37	H	08H-VS3	08H-VS3		00049	580CP	VS2+ 1.01	1.04		0	26	P 2
106	37	H	08H-VS3	08H-VS3		00047	580CP	BW1+ 1.91	0.46		0	<20	P 2
112	37	H	08H-VS3	08H-VS3		00047	580CP	08H+ 33.36	0.23		1.0	MAI	P 2
		H	08H-VS3	08H-VS3		00047	580CP	08H+ 33.38	0.45		2.8	MAI	P 2
		H	08H-VS3	08H-VS3		00047	580CP	BW1- 2.09	0.29		0	<20	P 2

CONAM NUCLEAR, INC.



中華民國三十四年
五月十四日



中華民國三十四年
五月十四日



中華民國三十四年
五月十四日

中華民國三十四年
五月十四日

中華民國三十四年
五月十四日

中華民國三十四年
五月十四日

中華民國三十四年
五月十四日

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 3 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
112	37	H	08H-VS3	08H-VS3		00047	580CP	BW1+ 1.64	0.40		0	<20	P 2
		C	TEC-TEH	TEC-TEH	2	00083	610HS	BW1+ 1.80	0.48		0	<20	P 2
114	37	H	08H-VS3	08H-VS3		00046	580CP	BW1- 2.09	0.44		0	<20	P 2
116	37	H	08H-VS3	08H-VS3		00046	580CP	09H- 0.50	0.33		0	<20	P 2
120	37	H	08H-VS3	08H-VS3	4	00249	580TP	09H- 1.04	0.56		0	<20	P 2
87	38	H	08H-VS3	08H-VS3		00047	580CP	VS2+ 0.78	0.42		0	<20	P 2
93	38	H	08H-VS3	08H-VS3		00047	580CP	BW1- 2.06	0.40		0	<20	P 2
95	38	H	08H-VS3	08H-VS3		00046	580CP	VS2- 0.89	0.37		0	<20	P 2
99	38	H	08H-VS3	08H-VS3		00047	580CP	BW1+ 1.90	0.47		0	<20	P 2
107	38	H	08H-VS3	08H-VS3		00047	580CP	BW1+ 1.93	1.03		0	<20	P 2
113	38	H	08H-VS3	08H-VS3		00047	580CP	BW1- 2.02	0.69		0	<20	P 2
119	38	H	08H-VS3	08H-VS3		00105	580CP	09H- 1.01	0.97		0	20	P 2
		H	08H-VS3	08H-VS3		00105	580CP	09H+ 0.75	1.64		0	29	P 2
121	38	H	08H-VS3	08H-VS3	4	00252	580TP	VS2+ 1.79	0.44		0	<20	P 2
123	38	C	TEC-TEH	TEC-TEH		00032	610HS	09H- 0.09	0.59		0	<20	P 2
		H	08H-VS2	08H-VS2	4	00251	!	09H+ 0.59	0.54		0	<20	P 2
		H	08H-VS2	08H-VS2	4	00000		09H+ 0.59	0.54		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	09H+ 0.66	0.70		0	20	P 2
125	38	H	08H-VS2	08H-VS2	4	00247	580TP	VS2+ 0.83	0.46		0	<20	P 2
86	39	H	08H-VS5	08H-VS5		00049	580CP	08H+ 0.87	0.61		0	<20	P 2
		H	08H-VS5	08H-VS5		00049	580CP	BW1- 2.06	0.54		0	<20	P 2
		H	08H-VS5	08H-VS5		00049	580CP	BW1+ 1.89	0.67		0	20	P 2
96	39	H	08H-VS3	08H-VS3		00047	580CP	BW1+ 1.90	0.43		0	<20	P 2
108	39	H	08H-VS3	BW1-VS3		00046	580CP	BW1+ 1.21	0.61		0	<20	P 2
112	39	H	08H-VS3	08H-VS3		00047	580CP	BW1- 2.09	0.36		0	<20	P 2
114	39	H	08H-VS3	08H-VS3		00046	580CP	BW1- 1.56	0.33		0	<20	P 2
118	39	H	08H-VS3	08H-VS3		00106	580CP	09H+ 0.98	0.34		0	<20	P 2
120	39	H	08H-VS3	08H-VS3		00105	580CP	09H+ 0.78	0.40		0	<20	P 2
122	39	H	08H-VS2	08H-VS2	4	00250	580TP	09H- 0.27	1.72		0	31	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	09H+ 0.06	1.15		0	28	P 2
		H	08H-VS2	08H-VS2	4	00250	580TP	09H+ 0.57	1.44		0	28	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	09H+ 1.24	0.82		0	23	P 2
		H	08H-VS2	08H-VS2	4	00250	580TP	VS1- 0.98	0.84		0	20	P 2
		H	08H-VS2	08H-VS2	4	00250	580TP	VS1+ 0.98	0.52		0	<20	P 2
124	39	H	08H-VS2	08H-VS2	4	00249	580TP	09H+ 0.93	0.48		0	<20	P 2
		H	08H-VS2	08H-VS2	4	00249	580TP	BW1- 1.84	0.33		0	<20	P 2
126	39	H	08H-VS3	08H-VS3	4	00250	580TP	09H- 0.06	0.23		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00250	580TP	09H+ 0.67	0.39		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00250	580TP	BW1+ 1.76	0.38		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	BW1+ 1.82	0.38		0	<20	P 2
95	40	H	08H-VS3	08H-VS3		00050	580CP	BW1- 1.96	0.42		0	<20	P 2
		H	08H-VS3	08H-VS3		00050	580CP	BW1+ 1.87	0.27		0	<20	P 2
97	40	H	08H-VS3	08H-VS3		00050	580CP	BW1- 2.00	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3		00050	580CP	BW1+ 1.82	0.27		0	<20	P 2
101	40	H	08H-VS3	08H-VS3		00049	580CP	BW1+ 1.70	0.35		0	<20	P 2

CONAM NUCLEAR, INC.



7/21/74



7/21/74



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MANTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 4 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
107	40	H	08H-VS3	08H-VS3		00049	580CP	BW1+ 1.53	0.63		0	<20	P 2
113	40	H	08H-VS3	08H-VS3		00050	580CP	BW1- 1.84	0.43		0	<20	P 2
117	40	H	08H-VS3	08H-VS3		00051	580CP	09H+ 1.00	0.62		0	<20	P 2
119	40	H	08H-VS3	08H-VS3		00106	580CP	09H- 0.91	0.48		0	<20	P 2
121	40	H	08H-VS3	08H-VS3		00105	580CP	09H- 0.26	0.39		0	<20	P 2
		H	08H-VS3	08H-VS3		00105	580CP	09H+ 0.80	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00105	580CP	BW1+ 1.82	0.55		0	<20	P 2
123	40	H	08H-VS2	08H-VS2	4	00249	580TP	09H- 1.00	0.31		0	<20	P 2
		H	08H-VS2	08H-VS2	4	00249	580TP	BW1+ 2.07	0.84		0	20	P 2
		H	08H-VS2	08H-VS2	4	00249	580TP	VS1+ 0.00	0.56		0	<20	P 2
125	40	C	TEC-TEH	TEC-TEH		00033	610HS	09H- 1.05	0.63		0	22	P 2
		H	08H-VS2	08H-VS2	4	00247	580TP	09H- 1.00	0.82		0	21	P 2
		H	08H-VS2	08H-VS2	4	00247	580TP	09H- 0.28	0.52		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00033	610HS	BW1- 2.25	0.52		0	<20	P 2
		H	08H-VS2	08H-VS2	4	00247	580TP	BW1- 1.54	0.71		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00033	610HS	BW1+ 1.82	0.66		0	22	P 2
		H	08H-VS2	08H-VS2	4	00247	580TP	BW1+ 1.84	0.79		0	20	P 2
127	40	H	08H-VS3	08H-VS3	4	00242	580TP	09H- 1.00	0.52		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00242	580TP	09H+ 1.00	0.58		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	09H+ 1.37	0.54		0	<20	P 2
9	40	H	08H-VS3	08H-VS3	4	00268	580BC	09H+ 0.70	0.37		0	<20	P 2
90	41	H	08H-VS3	08H-VS3		00048	580CP	VS2+ 0.66	0.49		0	<20	P 2
92	41	H	08H-VS3	08H-VS3		00227	580TP	BW1+ 1.96	0.26		0	<20	P 2
96	41	H	08H-VS3	08H-VS3		00050	580CP	BW1+ 1.83	0.42		0	<20	P 2
98	41	H	08H-VS3	08H-VS3		00048	580CP	BW1- 1.84	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3		00048	580CP	VS2+ 0.41	0.45		0	<20	P 2
100	41	H	08H-VS3	08H-VS2		00227	580TP	BW1+ 3.09	0.39		0	SVI	P 2
112	41	H	08H-VS3	08H-VS3		00049	580CP	VS2- 1.28	1.46		0	32	P 2
120	41	H	08H-VS3	08H-VS3		00105	580CP	VS2- 0.21	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3		00105	580CP	VS2+ 0.87	0.41		0	<20	P 2
122	41	H	08H-VS2	08H-VS2		00105	580CP	BW1- 1.85	0.08		0	<20	P 2
		H	08H-VS2	08H-VS2		00105	580CP	BW1+ 1.86	2.07		0	33	P 2
		H	08H-VS2	08H-VS2		00105	580CP	VS1- 0.79	0.33		0	<20	P 2
		H	08H-VS2	08H-VS2		00105	580CP	VS1+ 0.13	0.19		0	<20	P 2
126	41	C	TEC-TEH	TEC-TEH		00033	610HS	BW1- 2.07	0.59		0	21	P 2
		H	08H-VS3	08H-VS3	4	00250	580TP	BW1- 2.02	0.36		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00250	580TP	BW1+ 1.87	0.84		0	20	P 2
		C	TEC-TEH	TEC-TEH		00033	610HS	BW1+ 2.25	0.78		0	25	P 2
		H	08H-VS3	08H-VS3	4	00250	580TP	VS1- 0.99	0.99		0	22	P 2
		C	TEC-TEH	TEC-TEH		00033	610HS	VS1- 0.79	0.25		0	<20	P 2
128	41	H	08H-VS3	08H-VS3	4	00243	580TP	09H+ 0.55	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00243	580TP	VS1- 0.79	0.30		0	<20	P 2
130	41	C	TEC-TEH	TEC-TEH		00033	610HS	09H+ 0.66	0.37		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00243	580TP	09H+ 0.77	0.30		0	<20	P 2
91	42	H	08H-VS3	08H-VS3		00050	580CP	BW1+ 1.76	0.40		0	<20	P 2

CONAM NUCLEAR, INC.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MANTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		VOLTS	CURRENT			CH
			PROGRAM	ACTUAL							MIL	DEG	%	
95	42	H	08H-VS3	08H-VS3		00050	580CP	BW1-	1.96	0.32		0	<20	P 2
97	42	H	08H-VS3	08H-VS3		00051	580CP	BW1-	1.92	0.57		0	<20	P 2
101	42	H	08H-VS3	08H-VS3		00048	580CP	BW1+	1.75	0.29		0	<20	P 2
107	42	H	08H-VS3	08H-VS3		00050	580CP	BW1+	1.73	0.36		0	<20	P 2
109	42	H	08H-VS3	08H-VS3		00048	580CP	08H+	0.05	0.23		0	<20	P 2
		H	08H-VS3	08H-VS3		00048	580CP	BW1-	1.85	0.19		0	<20	P 2
		H	08H-VS3	08H-VS3		00048	580CP	BW1+	1.76	0.26		0	<20	P 2
111	42	H	08H-VS3	08H-VS3		00052	580CP	BW1-	2.13	0.34		0	<20	P 2
		H	08H-VS3	08H-VS3		00052	580CP	BW1+	1.76	0.44		0	<20	P 2
123	42	H	08H-VS2	08H-VS2		00105	580CP	09H-	1.03	0.76		0	<20	P 2
		H	08H-VS2	08H-VS2		00105	580CP	BW1-	1.97	0.40		0	<20	P 2
		H	08H-VS2	08H-VS2		00105	580CP	BW1+	1.74	0.88		0	<20	P 2
125	42	C	TEC-TEH	TEC-TEH		00032	610HS	09H+	0.86	0.63		0	20	P 2
		H	08H-VS2	08H-VS3	4	00247	580TP	09H+	0.87	0.51		0	<20	P 2
		H	08H-VS2	08H-VS3	4	00247	580TP	BW1-	2.35	1.09		0	25	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	BW1-	2.07	0.94		0	26	P 2
127	42	H	08H-VS3	08H-VS3	4	00242	580TP	09H-	0.51	0.48		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00033	610HS	BW1-	2.07	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00242	580TP	BW1-	2.03	0.34		0	<20	P 2
129	42	C	TEC-TEH	TEC-TEH		00032	610HS	09H+	0.73	0.58		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00247	580TP	09H+	0.75	0.46		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	BW1-	2.19	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00247	580TP	BW1-	1.79	0.53		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	03C-	0.03	0.59		0	<20	P 2
131	42	C	TEC-TEH	TEC-TEH		00033	610HS	03C+	1.06	0.56		0	20	P 2
96	43	H	08H-VS3	08H-VS3		00052	580CP	BW1+	2.07	0.39		0	<20	P 2
122	43	H	08H-VS2	08H-VS3		00101	580CP	09H-	1.02	0.41		0	<20	P 2
		H	08H-VS2	08H-VS3		00101	580CP	BW1+	1.97	0.97		0	24	P 2
126	43	C	TEC-TEH	TEC-TEH		00032	610HS	BW1+	1.79	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00247	580TP	VS1-	0.93	0.34		0	<20	P 2
130	43	H	08H-VS3	08H-VS3	4	00248	580TP	VS1-	1.00	0.37		0	<20	P 2
87	44	H	08H-VS3	08H-VS3		00052	580CP	VS2+	0.94	0.62		0	<20	P 2
89	44	H	08H-VS3	08H-VS3		00053	580CP	VS2+	0.89	0.20		0	<20	P 2
91	44	H	08H-VS3	08H-VS3		00053	580CP	BW1+	1.85	0.22		0	<20	P 2
93	44	H	08H-VS3	08H-VS3		00052	580CP	08H-	1.10	0.30		0	<20	P 2
101	44	H	08H-VS3	08H-VS3		00053	580CP	BW1-	1.72	0.52		0	<20	P 2
109	44	H	08H-VS3	08H-VS3		00052	580CP	BW1-	2.27	0.43		0	<20	P 2
113	44	H	08H-VS3	08H-VS3		00053	580CP	08H+	33.98	0.19	0.5	SAI	P 2	
		H	08H-VS3	08H-VS3		00053	580CP	BW1+	2.32	0.43		0	SVI	P 2
117	44	H	08H-VS3	08H-VS3		00227	580TP	09H+	1.55	0.46		0	<20	P 2
125	44	H	08H-VS2	08H-VS2		00103	580CP	09H+	0.72	0.45		0	<20	P 2
127	44	C	TEC-TEH	TEC-TEH		00032	610HS	09H+	0.58	0.88		0	25	P 2
		H	08H-VS3	08H-VS3	4	00242	580TP	09H+	1.00	0.89		0	21	P 2
129	44	H	08H-VS3	08H-VS3	4	00247	580TP	09H-	0.28	0.50		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00033	610HS	09H-	0.27	0.64		0	22	P 2

CONAM NUCLEAR, INC.



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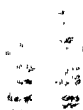
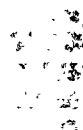
CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
129	44	C	TEC-TEH	TEC-TEH		00033	610HS	09H+ 0.67	0.48		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00247	580TP	09H+ 0.84	0.73		0	<20	P 2
131	44	C	TEC-TEH	TEC-TEH		00032	610HS	09H- 1.10	0.37		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	09H+ 0.95	1.17		0	29	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	03C- 0.82	0.30		0	<20	P 2
96	45	H	08H-VS3	08H-VS3		00054	580CP	08H- 0.97	0.85		0	<20	P 2
		H	08H-VS3	08H-VS3		00054	580CP	BW1- 1.94	0.89		0	<20	P 2
106	45	H	08H-VS3	08H-VS3		00052	580CP	BW1+ 1.75	0.45		0	<20	P 2
110	45	H	08H-VS3	08H-VS3		00052	580CP	BW1- 1.96	0.36		0	<20	P 2
122	45	H	08H-VS2	08H-VS3		00102	580CP	BW1+ 1.75	0.58		0	<20	P 2
126	45	H	08H-VS3	08H-VS3		00103	580CP	09H+ 0.77	0.52		0	<20	P 2
128	45	H	08H-VS3	08H-VS3	4	00243	580TP	09H- 0.15	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00243	580TP	VS1- 0.91	0.33		0	<20	P 2
130	45	C	TEC-TEH	TEC-TEH		00033	610HS	09H+ 0.71	0.30		0	<20	P 2
87	46	H	08H-VS3	08H-VS3		00054	580CP	BW1- 1.89	0.57		0	<20	P 2
		H	08H-VS3	08H-VS3		00054	580CP	VS2+ 0.96	0.33		0	<20	P 2
97	46	H	08H-VS3	08H-VS3		00212	580TP	08H- 0.03	0.29		0	<20	P 2
		H	08H-VS3	08H-VS3		00227	580TP	08H+ 0.06	0.34		0	<20	P 2
99	46	H	08H-VS3	07H-VS3		00213	580TP	08H- 1.21	0.26		0	<20	P 2
		H	08H-VS3	08H-08H		00227	580TP	08H- 1.05	0.52		0	<20	P 2
3	46	H	08H-VS3	08H-VS3		00212	580TP	BW1- 1.78	0.30		0	<20	P 2
15	46	H	08H-VS3	08H-VS3		00057	580CP	BW1- 2.02	0.44		0	<20	P 2
		H	08H-VS3	08H-VS3		00213	580TP	BW1- 2.02	0.37		0	<20	P 2
119	46	H	08H-VS3	BW1-VS2		00206	580TP	VS1+ 1.04	0.43		0	<20	P 2
		H	08H-VS3	VS2-VS3		00101	580CP	VS2+ 1.07	0.31		0	<20	P 2
123	46	H	08H-VS2	08H-VS2		00102	580CP	09H+ 0.57	0.29		0	<20	P 2
		H	08H-VS2	08H-VS2		00102	580CP	VS1+ 0.72	0.37		0	<20	P 2
129	46	C	TEC-TEH	TEC-TEH		00032	610HS	09H+ 0.71	0.44		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00247	580TP	09H+ 0.79	0.53		0	<20	P 2
131	46	C	TEC-TEH	TEC-TEH		00033	610HS	09H- 0.28	0.71		0	23	P 2
		C	TEC-TEH	TEC-TEH		00033	610HS	09H+ 0.74	0.35		0	<20	P 2
133	46	C	TEC-TEH	TEC-TEH		00032	610HS	09H+ 0.74	0.30		0	<20	P 2
96	47	H	08H-VS3	08H-VS3		00227	580TP	BW1- 2.30	0.37		0	<20	P 2
		H	08H-VS3	08H-VS3		00212	580TP	BW1- 1.83	0.45		0	<20	P 2
98	47	H	08H-VS3	08H-VS3		00058	580TP	BW1- 1.87	0.30		0	<20	P 2
104	47	H	08H-VS3	08H-08H		00227	580TP	08H- 1.19	0.30		0	<20	P 2
		C	TEC-TEH	TEC-TEH	2	00083	610HS	08H- 1.01	0.21		0	<20	P 2
		H	08H-VS3	08H-VS3		00212	580TP	08H- 1.00	0.35		0	<20	P 2
110	47	H	08H-VS3	08H-VS3		00058	580TP	BW1- 1.83	0.33		0	<20	P 2
116	47	H	08H-VS3	08H-VS3		00211	580TP	09H+ 0.94	0.09		0	<20	P 2
		H	08H-VS3	08H-VS3		00057	580CP	09H+ 1.09	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3		00057	580CP	VS3+ 0.63	0.68		0	<20	P 2
		H	08H-VS3	08H-VS3		00211	580TP	VS3+ 0.72	0.52		0	<20	P 2
118	47	H	08H-VS3	08H-VS3		00101	580CP	09H- 0.81	0.22		0	<20	P 2
		H	08H-VS3	08H-VS3		00101	580CP	BW1- 1.93	0.18		0	<20	P 2

CONAM NUCLEAR, INC.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
WATAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
120	47	H	08H-VS3	08H-VS3		00101	580CP	08H+ 37.07	0.23		0.9	SAI	P 2
124	47	H	08H-VS2	08H-VS3		00102	580CP	09H- 1.28	0.35		0	<20	P 2
		H	08H-VS2	08H-VS3		00102	580CP	09H- 0.47	0.34		0	<20	P 2
126	47	H	08H-VS3	08H-VS3		00103	580CP	VS3- 1.32	0.41		0	<20	P 2
128	47	H	08H-VS3	08H-VS3		00103	580CP	09H+ 0.80	0.34		0	<20	P 2
		H	08H-VS3	08H-VS3		00103	580CP	VS1- 0.98	0.40		0	<20	P 2
132	47	C	TEC-TEH	TEC-TEH		00033	610HS	09H+ 0.71	1.29		0	32	P 2
136	47	C	TEC-TEH	TEC-TEH		00033	610HS	BW1+ 2.25	0.39		0	<20	P 2
91	48	H	08H-VS3	08H-VS3		00058	580TP	08H+ 0.05	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00058	580TP	BW1+ 1.81	0.44		0	<20	P 2
95	48	H	08H-VS3	08H-VS3		00058	580TP	BW1- 1.77	0.41		0	<20	P 2
		H	08H-VS3	08H-VS3		00058	580TP	BW1+ 1.77	0.30		0	<20	P 2
97	48	H	08H-VS3	08H-VS3		00060	580CP	BW1- 1.79	0.45		0	<20	P 2
99	48	H	08H-VS3	08H-VS3		00058	580TP	08H+ 0.80	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3		00058	580TP	BW1- 1.86	0.34		0	<20	P 2
		H	08H-VS3	08H-VS3		00058	580TP	VS2- 0.03	0.40		0	<20	P 2
111	48	H	08H-VS3	08H-VS3		00055	580CP	BW1- 2.01	0.40		0	<20	P 2
113	48	H	08H-VS3	08H-VS3		00055	580CP	BW1- 1.72	0.45		0	<20	P 2
115	48	H	08H-VS3	08H-VS3		00225	580TP	BW1- 1.90	0.57		0	<20	P 2
127	48	H	08H-VS3	08H-VS3		00103	580CP	09H+ 0.83	0.76		0	<20	P 2
131	48	C	TEC-TEH	TEC-TEH		00032	610HS	09H+ 0.58	0.70		0	21	P 2
135	48	C	TEC-TEH	TEC-TEH		00032	610HS	09H+ 0.61	0.26		0	<20	P 2
88	49	H	08H-VS3	08H-VS3		00061	580TP	08H- 0.00	0.38		0	<20	P 2
90	49	H	08H-VS3	BW1-VS2		00225	580TP	BW1+ 1.88	0.34		0	<20	P 2
92	49	H	08H-VS3	08H-VS3		00061	580TP	08H- 0.01	0.27		0	<20	P 2
98	49	H	08H-VS3	08H-VS3		00061	580TP	VS2+ 0.31	0.74		0	<20	P 2
104	49	H	08H-VS3	08H-VS3		00061	580TP	08H- 1.05	0.20		0	<20	P 2
108	49	H	08H-VS3	08H-VS3		00061	580TP	BW1+ 1.64	0.48		0	<20	P 2
112	49	H	08H-VS3	08H-VS3		00060	580CP	BW1+ 1.95	0.46		0	<20	P 2
118	49	H	08H-VS3	08H-VS3		00206	580TP	09H- 1.02	0.43		0	<20	P 2
122	49	H	08H-VS2	08H-VS2		00103	580CP	VS1- 0.75	0.59		0	<20	P 2
138	49	C	TEC-TEH	TEC-TEH		00033	610HS	BW1+ 2.06	0.45		0	<20	P 2
87	50	C	TEC-TEH	TEC-TEH		00042	610HS	08H+ 0.78	0.49		0	<20	P 2
93	50	H	08H-VS3	08H-VS3		00061	580TP	08H+ 0.00	0.67		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	BW1- 1.75	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS2- 0.95	0.19		0	<20	P 2
97	50	H	08H-VS3	BW1-VS3		00225	580TP	BW1- 1.72	0.31		0	<20	P 2
		H	08H-VS3	BW1-VS3		00225	580TP	VS2+ 0.89	0.33		0	<20	P 2
99	50	H	08H-VS3	08H-VS3		00061	580TP	08H- 0.14	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	BW1- 1.75	0.36		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS2+ 0.67	0.39		0	<20	P 2
105	50	H	08H-VS3	08H-VS3		00061	580TP	BW1+ 1.75	0.34		0	<20	P 2
107	50	H	08H-VS3	08H-VS3		00059	580CP	BW1+ 1.75	0.49		0	<20	P 2
111	50	H	08H-VS3	08H-VS3		00061	580TP	BW1- 2.25	0.46		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS2+ 0.67	0.31		0	<20	P 2

CONAM NUCLEAR, INC.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
115	50	H	08H-VS3	08H-VS3		00060	580CP	08H-	1.09	0.25		0	<20	P 2
		H	08H-VS3	08H-08H		00225	580TP	08H-	1.09	0.43		0	<20	P 2
		C	TEC-TEH	TEC-TEH	2	00084	610HS	08H-	1.00	0.27		0	<20	P 2
117	50	H	08H-VS3	08H-VS3		00061	580TP	09H-	1.10	0.77		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	09H+	1.45	1.13		0	21	P 2
		H	08H-VS3	08H-VS3		00061	580TP	BW1-	1.84	0.58		0	<20	P 2
129	50	H	08H-VS3	08H-VS3		00102	580CP	BW1+	3.35	1.44		0	SVI	P 2
131	50	H	08H-VS3	08H-VS3		00100	580CP	09H+	0.71	0.21		0	<20	P 2
133	50	C	TEC-TEH	TEC-TEH		00032	610HS	09H+	0.77	0.29		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	VS1+	0.78	0.44		0	<20	P 2
135	50	C	TEC-TEH	TEC-TEH		00033	610HS	09H-	0.15	0.39		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00033	610HS	BW1+	1.99	0.33		0	<20	P 2
137	50	C	TEC-TEH	TEC-TEH		00032	610HS	09H+	0.73	0.72		0	22	P 2
139	50	C	TEC-TEH	TEC-TEH		00033	610HS	BW1-	2.17	0.20		0	<20	P 2
86	51	C	TEC-TEH	TSC-TEH		00043	610HS	VS3-	0.98	0.66		0	<20	P 2
88	51	C	TEC-TEH	TEC-TEH		00043	610HS	08H+	0.94	0.55		0	<20	P 2
90	51	C	TEC-TEH	TEC-TEH		00042	610HS	VS5+	0.89	0.19		0	<20	P 2
96	51	H	08H-VS3	08H-VS3		00061	580TP	08H-	0.96	0.36		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	BW1-	2.01	0.44		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS2-	0.90	0.47		0	<20	P 2
100	51	H	08H-VS3	08H-VS3		00062	580CP	BW1-	2.00	0.21		0	<20	P 2
102	51	H	08H-VS3	08H-VS3		00060	580CP	08H+	1.06	0.61		0	<20	P 2
104	51	H	08H-VS3	08H-VS3		00061	580TP	BW1+	1.71	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS2-	0.73	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS2+	0.02	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS2+	0.81	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS3-	0.77	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS3-	0.36	0.58		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS3+	0.84	0.40		0	<20	P 2
106	51	H	08H-VS3	08H-BW1		00225	580TP	08H+	0.94	0.38		0	<20	P 2
		H	08H-VS3	BW1-VS3		00059	580CP	BW1+	1.54	0.70		0	<20	P 2
110	51	H	08H-VS3	08H-VS3		00060	580CP	BW1+	1.75	0.34		0	<20	P 2
112	51	H	08H-VS3	08H-VS3		00061	580TP	08H-	0.55	0.52		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	08H+	0.63	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	BW1-	2.25	0.62		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	BW1+	1.75	0.63		0	<20	P 2
		H	08H-VS3	08H-VS3		00061	580TP	VS2-	1.09	2.24		0	36	P 2
120	51	H	08H-VS3	08H-VS3		00102	580CP	VS2-	0.93	0.53		0	<20	P 2
128	51	H	08H-VS3	08H-VS3		00103	580CP	BW1-	1.93	0.46		0	<20	P 2
138	51	C	TEC-TEH	TEC-TEH		00032	610HS	BW1+	1.91	0.52		0	<20	P 2
87	52	C	TEC-TEH	TEC-TEH		00042	610HS	08C-	0.89	0.18		0	<20	P 2
105	52	H	08H-VS3	08H-VS3		00062	580CP	BW1+	1.38	0.44		0	<20	P 2
109	52	H	08H-VS3	08H-VS3		00063	580CP	BW1-	2.20	0.40		0	<20	P 2
111	52	H	08H-VS3	08H-VS3		00063	580CP	BW1+	1.99	0.34		0	<20	P 2
113	52	H	08H-VS3	08H-VS3		00062	580CP	BW1-	1.91	0.26		0	<20	P 2

CONAM NUCLEAR, INC.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 9 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
113	52	H	08H-VS3	08H-VS3		00062	580CP	VS2- 1.00	0.43		0	<20	P 2
115	52	H	08H-VS3	08H-VS3		00062	580CP	BW1- 1.85	0.95		0	<20	P 2
117	52	H	08H-VS3	08H-VS3		00062	580CP	09H- 0.46	0.55		0	<20	P 2
		H	08H-VS3	08H-VS3		00062	580CP	BW1- 1.97	0.85		0	<20	P 2
131	52	H	08H-VS3	08H-VS3		00100	580CP	09H+ 0.86	0.38		0	<20	P 2
133	52	H	08H-VS3	08H-VS3		00100	580CP	VS1- 1.00	0.31		0	<20	P 2
135	52	C	TEC-TEH	TEC-TEH		00032	610HS	09H+ 0.61	0.56		0	<20	P 2
139	52	C	TEC-TEH	TEC-TEH		00032	610HS	BW1+ 1.92	0.54		0	<20	P 2
86	53	C	TEC-TEH	TEC-TEH		00043	610HS	08H- 0.12	0.26		0	<20	P 2
94	53	H	08H-VS3	08H-VS3		00063	580CP	BW1- 2.23	0.51		0	<20	P 2
96	53	H	08H-VS3	08H-VS3		00063	580CP	BW1- 2.10	0.48		0	<20	P 2
98	53	H	07H-VS2	07H-VS2		00225	580TP	08H- 1.07	0.33		0	<20	P 2
102	53	H	08H-VS3	08H-VS3		00062	580CP	BW1- 1.71	0.46		0	<20	P 2
		H	08H-VS3	08H-VS3		00062	580CP	BW1+ 1.78	0.70		0	<20	P 2
104	53	H	08H-VS3	08H-VS3		00062	580CP	BW1- 1.73	0.53		0	<20	P 2
		H	08H-VS3	08H-VS3		00062	580CP	BW1+ 1.75	0.87		0	<20	P 2
		H	08H-VS3	08H-VS3		00062	580CP	VS2- 0.95	0.43		0	<20	P 2
108	53	H	08H-VS3	08H-VS3		00063	580CP	08H+ 0.00	0.21		0	<20	P 2
110	53	H	08H-VS3	08H-VS3		00063	580CP	BW1+ 1.67	0.45		0	<20	P 2
112	53	H	08H-VS3	08H-VS3		00225	580TP	BW1- 2.00	0.77		0	<20	P 2
		H	08H-VS3	08H-VS3		00225	580TP	BW1+ 1.76	0.83		0	<20	P 2
		H	08H-VS3	08H-VS3		00225	580TP	VS2- 0.31	0.65		0	<20	P 2
114	53	H	08H-VS3	08H-VS3		00225	580TP	BW1- 1.65	0.27		0	<20	P 2
		H	08H-VS3	08H-VS3		00225	580TP	BW1+ 1.72	0.39		0	<20	P 2
118	53	H	08H-VS3	08H-VS3		00209	580TP	09H+ 0.16	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00209	580TP	BW1+ 1.12	0.29		0	<20	P 2
120	53	H	08H-VS3	08H-VS3		00210	580TP	09H- 0.95	1.27		0	20	P 2
122	53	H	08H-VS2	08H-VS2		00098	580CP	VS1- 1.07	0.45		0	<20	P 2
124	53	H	08H-VS2	08H-VS2		00098	580CP	BW1- 2.00	0.23		0	<20	P 2
128	53	H	08H-VS3	08H-VS3		00209	580TP	08H+ 0.05	0.46		0	<20	P 2
		H	08H-VS3	08H-VS3		00209	580TP	VS1- 1.14	0.55		0	<20	P 2
140	53	C	TEC-TEH	TEC-TEH		00032	610HS	BW1+ 2.06	0.37		0	<20	P 2
87	54	C	TEC-TEH	TEC-TEH		00042	610HS	BW1- 2.00	0.31		0	<20	P 2
97	54	H	08H-VS3	08H-VS3		00065	580CP	08H- 0.15	0.44		0	<20	P 2
		H	08H-VS3	08H-VS3		00062	580CP	08H+ 0.01	0.73		0	<20	P 2
		H	08H-VS3	08H-VS3		00065	580CP	BW1- 1.75	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3		00065	580CP	VS2- 0.66	0.37		0	<20	P 2
		H	08H-VS3	08H-VS3		00065	580CP	VS3- 0.66	0.29		0	<20	P 2
103	54	H	08H-VS3	08H-VS3		00065	580CP	08H+ 1.03	0.17		0	<20	P 2
		H	08H-VS3	08H-VS3		00065	580CP	BW1+ 1.92	0.26		0	<20	P 2
		H	08H-VS3	08H-VS3		00065	580CP	VS2- 0.50	0.27		0	<20	P 2
107	54	H	08H-VS3	08H-VS3		00065	580CP	VS2- 0.19	0.27		0	<20	P 2
109	54	H	08H-VS3	08H-VS3		00065	580CP	BW1- 2.25	0.57		0	<20	P 2
		H	08H-VS3	08H-VS3		00065	580CP	BW1+ 1.78	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00065	580CP	VS2+ 0.82	0.23		0	<20	P 2



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MUTAGE DATA SET : CURRENT
LECTION VARIABLES: Percent

PAGE: 10 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
111	54	H	08H-VS3	08H-VS3		00065	580CP	BW1-	2.18	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3		00065	580CP	BW1+	1.75	0.25		0	<20	P 2
117	54	H	08H-VS3	08H-VS3		00065	580CP	09H+	0.27	1.21		0	27	P 2
		H	08H-VS3	08H-VS3		00065	580CP	BW1+	1.77	0.73		0	<20	P 2
121	54	H	08H-VS3	08H-VS3		00099	580CP	09H+	1.12	0.35		0	<20	P 2
125	54	H	08H-VS2	BW1-VS1		00209	580TP	VS1-	0.99	0.25		0	<20	P 2
133	54	H	08H-VS3	08H-VS3		00098	580CP	09H+	0.98	0.37		0	<20	P 2
137	54	C	TEC-TEH	TEC-TEH		00032	610HS	BW1+	1.93	0.20		0	<20	P 2
139	54	C	TEC-TEH	TEC-TEH		00033	610HS	BW1+	1.90	0.79		0	25	P 2
141	54	C	TEC-TEH	TEC-TEH		00032	610HS	09H+	0.70	0.19		0	<20	P 2
102	55	H	08H-VS3	08H-VS3		00068	580CP	08H-	1.16	0.32		0	<20	P 2
112	55	H	08H-VS3	08H-VS3		00065	580CP	BW1-	2.06	0.33		0	<20	P 2
118	55	H	08H-VS3	08H-VS3		00096	580CP	09H-	0.49	0.33		0	<20	P 2
130	55	H	08H-VS3	08H-VS3		00093	580CP	BW1+	1.88	0.27		0	<20	P 2
85	56	C	TEC-TEH	TEC-TEH		00043	610HS	08H+	0.73	0.55		0	<20	P 2
87	56	H	07H-08H	07H-08H		00260	580BC	07H+	0.75	0.59		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00042	610HS	07H+	0.97	0.54		0	<20	P 2
91	56	H	08H-VS3	08H-VS3		00068	580CP	08H+	0.77	0.32		0	<20	P 2
95	56	H	08H-VS3	08H-VS2		00225	580TP	09H+	0.11	0.29		0	<20	P 2
103	56	H	08H-VS3	08H-VS3		00066	580CP	BW1+	1.29	0.35		0	<20	P 2
111	56	H	08H-VS3	08H-VS3		00067	580TP	08H-	0.03	0.33		0	<20	P 2
113	56	H	08H-VS3	08H-BW1		00068	580CP	BW1-	2.01	0.25		0	<20	P 2
117	56	H	08H-VS3	08H-09H		00065	580CP	09H+	1.60	0.56		0	<20	P 2
119	56	H	08H-VS3	08H-VS3		00208	580TP	08H+	41.86	0.40	0.4	SAI	P 2	
133	56	H	08H-VS3	08H-VS3		00092	580CP	BW1+	1.75	0.66		0	<20	P 2
143	56	C	TEC-TEH	TEC-TEH		00032	610HS	09H+	0.70	0.18		0	<20	P 2
100	57	H	08H-VS3	08H-VS2		00225	580TP	08H-	1.04	0.41		0	<20	P 2
116	57	H	08H-VS3	08H-VS3		00067	580TP	09H+	0.73	0.42		0	<20	P 2
118	57	H	08H-VS3	08H-VS3		00095	580CP	08H-	0.28	0.26		0	<20	P 2
		H	08H-VS3	08H-VS3		00095	580CP	09H-	1.88	1.05		0	25	P 2
		H	08H-VS3	08H-VS3		00095	580CP	09H+	0.97	0.53		0	<20	P 2
120	57	H	08H-VS3	08H-BW1		00095	580CP	09H-	0.11	0.86		0	21	P 2
136	57	H	08H-VS3	08H-VS3		00092	580CP	BW1-	2.00	0.67		0	<20	P 2
142	57	C	TEC-TEH	TEC-TEH		00033	610HS	BW1+	2.17	0.50		0	<20	P 2
144	57	C	TEC-TEH	TEC-TEH		00027	610HS	BW1+	1.99	0.37		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00032	610HS	BW1+	2.00	0.34		0	<20	P 2
85	58	C	TEC-TEH	TEC-TEH		00043	610HS	BW1+	2.25	0.24		0	<20	P 2
87	58	C	TEC-TEH	TEC-TEH		00042	610HS	08H+	0.98	0.21		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00042	610HS	VS2-	0.90	1.03		0	27	P 2
89	58	C	TEC-TEH	TEC-TEH		00042	610HS	06H+	0.91	0.25		0	<20	P 2
101	58	H	08H-VS3	08H-BW1		00069	580CP	08H+	0.05	0.39		0	<20	P 2
		H	08H-VS3	08H-VS2		00225	580TP	VS2-	0.88	0.35		0	<20	P 2
103	58	H	08H-VS3	08H-VS2		00225	580TP	BW1+	1.93	0.55		0	<20	P 2
105	58	H	08H-VS3	08H-VS3		00070	580CP	08H+	0.76	0.37		0	<20	P 2
111	58	H	08H-VS3	08H-VS3		00070	580CP	BW1+	1.79	0.72		0	<20	P 2

[illegible]

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 11 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
113	58	H	08H-VS3	08H-VS3		00070	580CP	08H+	0.03	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3		00070	580CP	BW1-	1.98	0.31		0	<20	P 2
123	58	H	08H-VS2	08H-VS2		00093	580CP	08H+	1.00	0.37		0	<20	P 2
		H	08H-VS2	08H-VS2		00093	580CP	09H+	1.00	0.78		0	<20	P 2
139	58	H	08H-VS3	08H-VS3		00092	580CP	BW1+	2.01	0.32		0	<20	P 2
		H	08H-VS3	08H-VS3		00092	580CP	VS3-	0.89	0.60		0	<20	P 2
90	59	C	TEC-TEH	TEC-TEH		00042	610HS	BW1-	1.90	0.32		0	<20	P 2
94	59	H	08H-VS3	08H-VS3		00070	580CP	08H-	1.04	0.57		0	<20	P 2
98	59	H	08H-VS3	08H-VS3		00072	580CP	08H-	0.85	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3		00072	580CP	BW1-	1.92	0.27		0	<20	P 2
102	59	H	08H-VS3	08H-VS3		00074	580CP	VS2+	0.72	0.20		0	<20	P 2
106	59	H	08H-VS3	08H-VS3		00072	580CP	BW1+	1.64	0.85		0	22	P 2
108	59	H	08H-VS3	08H-VS3		00072	580CP	BW1+	1.65	0.56		0	<20	P 2
110	59	H	08H-VS3	08H-VS3		00072	580CP	BW1-	1.77	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3		00072	580CP	BW1+	1.69	0.31		0	<20	P 2
112	59	H	08H-VS3	08H-VS3		00070	580CP	BW1-	1.58	0.56		0	<20	P 2
		H	08H-VS3	08H-VS3		00070	580CP	BW1+	1.81	0.26		0	<20	P 2
118	59	H	08H-VS3	08H-VS3		00091	580CP	09H+	0.90	0.43		0	<20	P 2
140	59	H	08H-VS3	08H-VS3		00090	580TP	BW1+	2.13	0.28		0	<20	P 2
144	59	C	TEC-TEH	TEC-TEH		00023	610HS	VS5-	0.94	0.71		0	22	P 2
95	60	C	TEC-TEH	TEC-TEH		00042	610HS	BW1+	1.90	0.25		0	<20	P 2
97	60	C	TEC-TEH	TEC-TEH		00043	610HS	07H+	0.95	0.36		0	<20	P 2
99	60	C	TEC-TEH	TEC-TEH		00042	610HS	BW1-	1.86	0.25		0	<20	P 2
103	60	C	TEC-TEH	TEC-TEH		00042	610HS	05H+	1.28	0.21		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00042	610HS	08H-	0.09	0.39		0	<20	P 2
105	60	C	TEC-TEH	TEC-TEH		00043	610HS	BW1+	2.25	0.25		0	<20	P 2
109	60	H	08H-VS3	08H-VS3	4	00244	580TP	BW1-	2.07	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00244	580TP	BW1+	1.81	0.49		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00042	610HS	BW1+	2.22	0.59		0	<20	P 2
111	60	H	08H-VS3	08H-BW1		00072	580CP	08H+	0.73	0.33		0	<20	P 2
		H	08H-VS3	08H-VS2		00225	580TP	BW1+	2.18	0.34		0	<20	P 2
113	60	H	08H-VS3	08H-VS3		00072	580CP	BW1-	2.10	0.44		0	<20	P 2
117	60	H	08H-VS3	08H-VS3		00070	580CP	09H-	0.01	0.56		0	<20	P 2
121	60	H	08H-VS3	08H-VS5		00090	580TP	BW1-	1.64	0.40		0	<20	P 2
		H	08H-VS3	08H-VS5		00090	580TP	BW1+	1.32	0.27		0	<20	P 2
135	60	H	08H-VS3	08H-VS3		00090	580TP	09H+	1.00	0.33		0	<20	P 2
143	60	C	TEC-TEH	TEC-TEH		00022	610HS	BW1+	1.75	0.53		0	<20	P 2
92	61	C	TEC-TEH	TEC-TEH		00043	610HS	BW1-	2.16	0.43		0	<20	P 2
94	61	C	TEC-TEH	TEC-TEH		00042	610HS	BW1+	2.25	0.21		0	<20	P 2
96	61	C	TEC-TEH	TEC-TEH		00043	610HS	BW1+	2.25	0.30		0	<20	P 2
110	61	H	08H-VS3	08H-VS3	4	00246	580TP	BW1-	1.83	0.49		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00042	610HS	BW1-	1.75	0.17		0	<20	P 2
112	61	H	08H-VS3	08H-VS3		00074	580CP	VS2+	0.15	0.48		0	<20	P 2
114	61	H	08H-VS3	08H-VS3		00074	580CP	BW1-	1.79	0.32		0	<20	P 2
118	61	H	08H-VS3	08H-VS3		00089	580CP	BW1-	1.67	0.41		0	<20	P 2

CONAM NUCLEAR, INC.



1. 2. 3.
4. 5. 6.
7. 8. 9.
10. 11. 12.
13. 14. 15.
16. 17. 18.
19. 20. 21.
22. 23. 24.
25. 26. 27.
28. 29. 30.
31. 32. 33.
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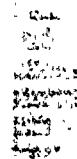
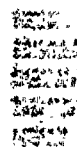
CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
124	61	H	08H-VS2	08H-VS3		00088	580CP	09H+	1.01	0.73		0	<20	P 2
142	61	H	08H-VS3	08H-VS3		00088	580CP	BW1-	2.24	0.58		0	<20	P 2
		H	08H-VS3	08H-VS3		00088	580CP	BW1+	1.87	0.93		0	20	P 2
93	62	C	TEC-TEH	TEC-TEH		00042	610HS	08H+	0.82	0.15		0	<20	P 2
97	62	C	TEC-TEH	TEC-TEH		00042	610HS	BW1+	2.04	0.12		0	<20	P 2
101	62	C	TEC-TEH	TEC-TEH		00042	610HS	07H+	0.88	0.16		0	<20	P 2
103	62	C	TEC-TEH	TEC-TEH		00043	610HS	BW1+	2.25	0.31		0	<20	P 2
105	62	C	TEC-TEH	TEC-TEH		00042	610HS	VS6-	0.81	0.25		0	<20	P 2
107	62	C	TEC-TEH	TEC-TEH		00043	610HS	BW1+	2.25	0.66		0	<20	P 2
109	62	H	08H-VS3	08H-VS3	4	00244	580TP	08H+	0.05	0.67		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00042	610HS	BW2+	1.90	0.22		0	<20	P 2
113	62	H	08H-VS3	08H-BW1		00072	580CP	08H-	0.05	0.44		0	<20	P 2
117	62	H	08H-VS3	08H-VS3		00074	580CP	08H-	1.01	0.20		0	<20	P 2
		H	08H-VS3	08H-VS3		00074	580CP	08H+	0.07	0.46		0	<20	P 2
119	62	H	08H-VS3	08H-VS3		00086	580TP	09H-	1.11	0.82		0	<20	P 2
		H	08H-VS3	08H-VS3		00086	580TP	BW1+	1.02	0.58		0	<20	P 2
141	62	H	08H-VS3	08H-VS3		00208	580TP	BW1+	1.75	0.59		0	<20	P 2
143	62	H	08H-VS3	08H-VS3		00090	580TP	BW1+	1.99	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3		00088	580CP	BW1+	2.18	1.09		0	23	P 2
		H	08H-VS3	08H-VS3		00088	580CP	VS1-	0.75	0.84		0	<20	P 2
		H	08H-VS3	08H-VS3		00088	580CP	VS1-	0.04	0.93		0	20	P 2
145	62	C	TEC-TEH	TEC-TEH		00022	610HS	BW1+	1.75	0.29		0	<20	P 2
149	62	C	TEC-TEH	TEC-TEH		00023	610HS	BW1+	1.77	0.30		0	<20	P 2
98	63	C	TEC-TEH	TEC-TEH		00042	610HS	BW1+	2.20	0.20		0	<20	P 2
102	63	C	TEC-TEH	TEC-TEH		00042	610HS	07H+	0.96	0.19		0	<20	P 2
104	63	C	TEC-TEH	TEC-TEH		00043	610HS	BW1+	2.25	0.35		0	<20	P 2
108	63	C	TEC-TEH	TEC-TEH		00043	610HS	BW1+	2.17	0.64		0	<20	P 2
110	63	H	08H-VS3	08H-VS3	4	00246	580TP	BW1+	1.79	0.74		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00042	610HS	BW1+	2.21	0.81		0	23	P 2
114	63	H	08H-VS3	08H-VS3		00074	580CP	VS2+	0.45	1.20		0	28	P 2
116	63	H	08H-VS3	BW1-VS3		00075	580CP	BW1-	2.00	0.27		0	<20	P 2
118	63	H	08H-VS3	08H-VS3		00086	580TP	09H-	1.69	0.65		0	<20	P 2
		H	08H-VS3	08H-VS3		00086	580TP	09H-	0.35	0.53		0	<20	P 2
		H	08H-VS3	08H-VS3		00086	580TP	09H+	1.15	0.75		0	<20	P 2
124	63	H	08H-VS2	08H-VS2		00086	580TP	09H-	0.14	0.90		0	<20	P 2
		H	08H-VS2	08H-VS2		00086	580TP	BW1-	2.22	0.52		0	<20	P 2
87	64	C	TEC-TEH	TEC-TEH		00042	610HS	BW2-	1.99	0.21		0	<20	P 2
93	64	C	TEC-TEH	TEC-TEH		00043	610HS	BW1+	2.23	0.34		0	<20	P 2
97	64	C	TEC-TEH	TEC-TEH		00043	610HS	BW1+	2.25	0.43		0	<20	P 2
107	64	C	TEC-TEH	TEC-TEH		00042	610HS	BW1+	2.25	0.25		0	<20	P 2
109	64	H	08H-VS3	08H-VS3	4	00244	580TP	08H+	0.81	0.45		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00244	580TP	BW1+	1.88	0.58		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00043	610HS	BW1+	2.25	0.55		0	21	P 2
111	64	H	08H-VS3	08H-VS2		00225	580TP	BW1+	1.88	0.34		0	<20	P 2
113	64	H	08H-VS3	08H-VS3		00074	580CP	BW1-	1.91	0.28		0	<20	P 2

CONAM NUCLEAR, INC.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 13 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
113	64	H	08H-VS3	08H-VS3		00074	580CP	BW1+	2.01	0.37		0	<20	P 2
115	64	H	08H-VS3	08H-VS3		00074	580CP	08H+	0.68	0.32		0	<20	P 2
		H	08H-VS3	08H-VS3		00085	580TP	08H+	0.79	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3		00074	580CP	BW1-	1.86	0.27		0	<20	P 2
117	64	H	08H-VS3	08H-VS3		00075	580CP	BW1-	1.69	0.39		0	<20	P 2
119	64	H	08H-VS3	08H-VS3		00083	580CP	BW1+	1.51	0.23		0	<20	P 2
123	64	H	08H-VS2	08H-VS2		00086	580TP	BW1+	1.88	0.41		0	<20	P 2
125	64	H	08H-VS2	08H-VS3		00083	580CP	BW1-	2.18	0.14		0	<20	P 2
127	64	H	08H-VS3	08H-VS3		00086	580TP	VS1+	0.01	0.48		0	<20	P 2
		H	08H-VS3	08H-VS3		00086	580TP	VS1+	0.53	0.93		0	<20	P 2
141	64	H	BW1-VS1	BW1-VS1		00207	580TP	VS1-	0.74	0.56		0	<20	P 2
		H	08H-VS3	VS1-VS3		00088	580CP	VS1-	0.73	0.60		0	<20	P 2
		H	08H-VS3	BW1-VS1		00207	580TP	VS1+	1.05	0.62		0	<20	P 2
		H	08H-VS3	VS1-VS3		00088	580CP	VS1+	1.06	0.63		0	<20	P 2
		H	08H-VS3	VS1-VS3		00088	580CP	VS3+	0.43	0.64		0	<20	P 2
145	64	H	08H-VS3	08H-VS3		00087	580TP	BW1+	1.91	0.33		0	<20	P 2
147	64	C	TEC-TEH	TEC-TEH		00022	610HS	BW1+	1.91	0.39		0	<20	P 2
90	65	C	TEC-TEH	TEC-TEH		00042	610HS	BW1+	2.05	0.42		0	<20	P 2
104	65	C	TEC-TEH	TEC-TEH		00038	610HS	BW1+	2.00	0.15		0	<20	P 2
108	65	C	TEC-TEH	TEC-TEH		00038	610HS	BW1-	2.00	0.18		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00038	610HS	BW1+	2.00	0.24		0	<20	P 2
114	65	H	08H-VS3	08H-VS3		00074	580CP	08H-	0.09	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00074	580CP	08H+	0.88	0.34		0	<20	P 2
		H	08H-VS3	08H-VS3		00074	580CP	BW1-	2.12	0.23		0	<20	P 2
120	65	H	08H-VS3	08H-VS3		00083	580CP	BW1+	1.75	0.22		0	<20	P 2
122	65	H	08H-VS2	08H-VS3		00085	580TP	09H-	1.10	0.44		0	<20	P 2
126	65	H	08H-VS3	08H-VS3		00083	580CP	BW1+	2.11	0.17		0	<20	P 2
130	65	H	08H-VS3	08H-VS3		00207	580TP	09H+	0.82	0.92		0	20	P 2
91	66	C	TEC-TEH	TEC-TEH		00062	610HS	07H+	0.80	0.19		0	<20	P 2
111	66	H	08H-VS3	08H-VS3		00072	580CP	VS2-	0.90	0.41		0	<20	P 2
115	66	H	08H-VS3	08H-VS3		00074	580CP	BW1+	2.05	0.40		0	<20	P 2
117	66	H	08H-VS3	08H-VS3		00075	580CP	09H-	1.36	0.81		0	<20	P 2
121	66	H	08H-VS3	08H-VS3		00080	580TP	09H-	0.09	0.44		0	<20	P 2
123	66	H	08H-VS2	07H-VS2		00082	580CP	BW1+	1.79	0.66		0	<20	P 2
129	66	H	08H-VS3	08H-VS3		00080	580TP	09H+	1.07	0.53		0	<20	P 2
139	66	H	08H-VS3	08H-VS3		00080	580TP	BW1+	2.19	0.43		0	<20	P 2
143	66	H	08H-VS3	08H-VS3		00083	580CP	BW1+	2.05	0.57		0	<20	P 2
145	66	H	08H-VS3	08H-VS3		00083	580CP	BW1+	1.98	0.61		0	<20	P 2
102	67	C	TEC-TEH	TEC-TEH		00037	610HS	BW1+	2.25	0.42		0	<20	P 2
110	67	C	TEC-TEH	TEC-TEH		00037	610HS	VS2-	0.70	0.94		0	23	P 2
		C	TEC-TEH	TEC-TEH		00037	610HS	VS5+	0.71	0.82		0	21	P 2
124	67	H	08H-VS2	08H-VS2		00083	580CP	09H-	0.38	0.29		0	<20	P 2
		H	08H-VS2	08H-VS2		00083	580CP	09H+	0.81	0.56		0	<20	P 2
		H	08H-VS2	08H-VS2		00083	580CP	BW1+	1.79	0.23		0	<20	P 2
126	67	H	08H-VS3	08H-VS3		00081	580TP	BW1-	1.64	0.28		0	<20	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 14 OF 51
DATE: 01/19/95
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
126	67	H	08H-VS3	08H-VS3		00081	580TP	BW1+ 1.82	0.40		0	<20	P 2
128	67	H	08H-VS3	08H-VS3		00080	580TP	BW1- 1.76	0.30		0	<20	P 2
91	68	C	TEC-TEH	TEC-TEH		00037	610HS	BW1+ 1.75	0.29		0	<20	P 2
117	68	H	08H-VS3	08H-VS3		00075	580CP	09H- 1.23	0.51		0	<20	P 2
		H	08H-VS3	08H-VS3		00075	580CP	09H+ 1.64	0.56		0	<20	P 2
		H	08H-VS3	08H-VS3		00075	580CP	BW1- 1.96	0.39		0	<20	P 2
121	68	H	08H-VS3	08H-VS3		00080	580TP	BW1+ 2.24	0.25		0	SVI	P 2
123	68	H	08H-VS2	08H-VS3		00082	580CP	BW1+ 1.30	1.25		0	29	P 2
125	68	H	08H-VS2	08H-VS3		00079	580CP	BW1+ 2.00	0.75		0	<20	P 2
149	68	C	TEC-TEH	TEC-TEH		00018	610HS	09H- 0.91	0.41		0	<20	P 2
110	69	C	TEC-TEH	TSC-TEH		00037	610HS	BW1- 1.81	0.22		0	<20	P 2
118	69	H	08H-VS3	08H-VS3		00204	580TP	08H+ 0.02	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00204	580TP	08H+ 1.00	0.37		0	<20	P 2
120	69	H	08H-VS3	08H-VS3		00080	580TP	BW1+ 2.36	0.60		0	SVI	P 2
144	69	H	08H-VS3	08H-VS3		00079	580CP	BW1+ 1.75	0.51		0	<20	P 2
146	69	C	TEC-TEH	TEC-TEH		00070	610HS	BW1+ 2.04	0.48		0	<20	P 2
148	69	C	TEC-TEH	TEC-TEH		00070	610HS	BW1+ 2.00	0.75		0	22	P 2
117	70	H	08H-VS3	08H-VS3		00075	580CP	09H- 1.03	0.81		0	<20	P 2
		H	08H-VS3	08H-VS3		00075	580CP	09H+ 1.12	0.96		0	<20	P 2
121	70	H	08H-VS3	08H-VS3		00076	580TP	09H- 0.93	0.40		0	<20	P 2
13	70	H	08H-VS2	08H-VS3		00075	580CP	09H- 0.88	0.41		0	<20	P 2
131	70	H	08H-VS3	08H-VS3		00078	580CP	09H- 0.39	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3		00078	580CP	09H+ 0.71	0.54		0	<20	P 2
137	70	H	08H-VS3	08H-VS3		00076	580TP	BW1- 2.00	0.62		0	<20	P 2
139	70	H	08H-VS3	08H-VS3		00201	580TP	09H- 0.72	0.27		0	<20	P 2
94	71	C	TEC-TEH	TSC-TEH		00037	610HS	VS5+ 0.68	0.87		0	22	P 2
122	71	H	08H-VS2	08H-VS2		00105	580CP	VS1- 0.90	0.70		0	<20	P 2
124	71	H	08H-VS2	08H-VS2		00107	580CP	09H- 0.27	0.27		0	<20	P 2
		H	08H-VS2	08H-VS2		00107	580CP	09H+ 0.90	0.70		0	<20	P 2
		H	08H-VS2	08H-VS2		00107	580CP	BW1+ 1.19	0.21		0	<20	P 2
		H	08H-VS2	08H-VS2		00107	580CP	BW1+ 1.81	0.78		0	<20	P 2
126	71	H	08H-VS3	08H-VS3		00107	580CP	BW1- 2.09	0.45		0	<20	P 2
148	71	C	TEC-TEH	TEC-TEH		00018	610HS	VS1- 0.85	0.53		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00018	610HS	VS1+ 0.50	1.05		0	26	P 2
150	71	C	TEC-TEH	TEC-TEH		00019	610HS	09H- 1.09	0.51		0	<20	P 2
154	71	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+ 1.99	0.82		0	26	P 2
		H	BW1-BW1	BW1-BW1	1	00260	580BC	BW1+ 1.99	1.16		0	26	P 2
115	72	C	TEC-TEH	TEC-TEH		00037	610HS	BW2- 1.88	0.99		0	24	P 2
117	72	C	TEC-TEH	TEC-TSH		00036	610HS	09H- 1.01	0.79		0	23	P 2
		C	TEC-TEH	TEC-TSH		00036	610HS	09H+ 1.23	0.66		0	20	P 2
121	72	H	08H-VS3	08H-VS3		00107	580CP	09H- 0.99	0.23		0	<20	P 2
123	72	H	08H-VS2	BW1-VS1		00201	580TP	BW1+ 1.67	0.35		0	<20	P 2
125	72	H	08H-VS2	08H-VS2		00204	580TP	BW1+ 1.75	0.77		0	<20	P 2
141	72	H	08H-VS3	08H-VS3		00105	580CP	BW1+ 1.81	0.34		0	<20	P 2
		H	08H-VS3	08H-VS3		00105	580CP	VS1- 0.81	1.50		0	28	P 2



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STEAM GENERATOR : 31
MUTAGE DATA SET : CURRENT
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
141	72	H	08H-VS3	08H-VS3		00105	580CP	VS3-	0.86	0.20		0	<20	P 2
		H	08H-VS3	08H-VS3		00105	580CP	VS3+	1.19	0.27		0	<20	P 2
143	72	H	08H-VS3	08H-VS3		00107	580CP	VS1-	1.01	0.81		0	20	P 2
		H	08H-VS3	08H-VS3		00107	580CP	VS1-	0.98	0.29		0	<20	P 2
145	72	H	08H-VS3	VS1-VS3		00107	580CP	VS1-	0.78	0.37		0	<20	P 2
		H	08H-VS3	VS1-VS3		00107	580CP	VS3+	0.70	0.51		0	<20	P 2
147	72	H	08H-BW1	08H-BW1	1	00260	580BC	09H+	0.97	0.49		0	<20	P 2
110	73	C	TEC-TEH	TSC-TEH		00037	610HS	VS2+	0.87	0.34		0	<20	P 2
130	73	H	08H-VS3	08H-VS3		00108	580CP	09H-	0.89	0.72		0	<20	P 2
117	74	C	TEC-TEH	TEC-TEH		00037	610HS	09H+	1.31	1.11		0	25	P 2
119	74	C	TEC-TEH	TEC-TEH		00036	610HS	09H+	0.03	0.21		0	<20	P 2
125	74	H	08H-VS2	08H-VS3		00109	580CP	09H+	0.08	0.79		0	<20	P 2
153	74	C	TEC-TEH	TEC-TEH		00019	610HS	VS3+	0.92	0.41		0	<20	P 2
140	75	H	08H-VS3	08H-VS3		00111	580CP	BW1+	1.83	0.45		0	<20	P 2
		H	08H-VS3	08H-VS3		00111	580CP	VS3-	1.18	1.19		0	24	P 2
113	76	C	TEC-TEH	TEC-TEH		00037	610HS	BW1-	2.23	0.29		0	<20	P 2
133	76	H	08H-VS3	08H-VS3		00111	580CP	BW1-	2.00	0.26		0	<20	P 2
141	76	H	08H-VS3	08H-VS3		00111	580CP	VS2+	1.02	0.30		0	<20	P 2
149	76	C	TEC-TEH	TEC-TEH		00019	610HS	BW1-	1.91	0.50		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	BW1+	2.06	0.22		0	<20	P 2
113	76	C	TEC-TEH	TEC-TEH		00019	610HS	VS3+	0.86	0.62		0	22	P 2
116	77	C	TEC-TEH	TEC-TEH		00036	610HS	BW1-	1.75	0.47		0	<20	P 2
120	77	H	08H-VS3	08H-VS3		00112	580CP	BW1-	0.75	0.31		0	<20	P 2
126	77	H	08H-VS3	08H-VS3		00112	580CP	09H-	0.90	0.48		0	<20	P 2
130	77	H	08H-VS3	08H-VS3		00112	580CP	BW1-	2.00	1.00		0	23	P 2
142	77	H	08H-VS3	08H-VS3		00111	580CP	BW1+	0.98	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3		00111	580CP	VS2+	1.09	0.26		0	<20	P 2
144	77	H	08H-VS3	08H-VS3		00114	580CP	BW1+	1.88	0.46		0	<20	P 2
156	77	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+	2.20	0.21		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	BW2+	1.78	0.36		0	<20	P 2
91	78	C	TEC-TEH	TEC-TEH		00037	610HS	VS2+	0.78	0.32		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00037	610HS	VS3+	0.84	0.38		0	<20	P 2
117	78	C	TEC-TEH	TEC-TEH		00036	610HS	09H-	0.79	0.69		0	21	P 2
		C	TEC-TEH	TEC-TEH		00036	610HS	09H+	1.07	0.59		0	23	P 2
121	78	H	08H-VS3	08H-VS3		00115	580CP	BW1+	1.64	0.43		0	<20	P 2
123	78	H	08H-VS2	08H-VS3		00118	580BC	08H+	1.05	0.53		0	<20	P 2
125	78	H	07H-VS3	07H-VS3		00117	580CP	09H+	1.27	0.43		0	<20	P 2
133	78	H	08H-VS3	08H-VS3		00117	580CP	BW1-	2.70	1.43		0	21	P 2
137	78	H	08H-VS3	08H-VS3		00111	580CP	09H+	0.84	0.34		0	<20	P 2
139	78	H	08H-VS3	08H-VS3		00113	580BC	BW1+	1.99	0.51		0	<20	P 2
		H	08H-VS3	08H-VS3		00113	580BC	VS2-	0.77	0.80		0	<20	P 2
141	78	H	08H-VS3	08H-VS3		00112	580CP	VS1+	1.08	0.32		0	<20	P 2
145	78	H	08H-VS3	08H-VS3		00113	580BC	BW1+	1.89	0.75		0	<20	P 2
147	78	C	TEC-TEH	TEC-TEH		00018	610HS	VS7+	0.62	0.30		0	<20	P 2
149	78	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+	2.02	0.48		0	<20	P 2



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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
153	78	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+	1.78	0.63		0	22	P 2
124	79	H	08H-VS2	08H-VS2		00118	580BC	09H-	0.13	0.56		0	<20	P 2
		H	08H-VS2	08H-VS2		00118	580BC	09H+	0.96	0.53		0	<20	P 2
134	79	H	08H-VS3	08H-VS3		00116	580CP	VS1-	0.90	0.44		0	<20	P 2
140	79	H	08H-VS3	08H-VS3		00118	580BC	BW1+	1.87	0.35		0	<20	P 2
142	79	H	08H-VS3	08H-VS3		00116	580CP	VS1+	0.80	0.80		0	<20	P 2
148	79	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+	2.17	0.32		0	<20	P 2
111	80	C	TEC-TEH	TEC-TEH		00037	610HS	BW1+	1.77	0.86		0	25	P 2
117	80	C	TEC-TEH	TEC-TEH		00037	610HS	09H-	0.96	0.74		0	26	P 2
		C	TEC-TEH	TEC-TEH		00037	610HS	09H+	1.08	0.43		0	<20	P 2
127	80	H	08H-VS3	08H-VS3		00115	580CP	09H+	0.80	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3		00115	580CP	BW1-	1.69	0.65		0	<20	P 2
131	80	H	08H-VS3	08H-VS3		00115	580CP	BW1+	1.97	1.06		0	21	P 2
135	80	H	08H-VS3	08H-VS3		00115	580CP	09H+	0.90	0.58		0	<20	P 2
		H	08H-VS3	08H-VS3		00115	580CP	BW1+	1.84	0.96		0	<20	P 2
		H	08H-VS3	08H-VS3		00115	580CP	BW1+	5.80	0.95		0	SVI	P 2
139	80	H	08H-VS3	08H-VS3		00214	580BC	09H+	0.27	0.62		0	<20	P 2
145	80	H	08H-VS3	08H-VS3		00116	580CP	09H-	1.11	0.43		0	<20	P 2
153	80	H	09H-09H	09H-09H	1	00260	580BC	09H-	1.03	0.53		0	<20	P 2
157	80	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+	2.20	0.52		0	<20	P 2
160	81	C	TEC-TEH	TEC-TEH		00037	610HS	BW1-	2.01	0.43		0	<20	P 2
118	81	C	TEC-TEH	TEC-TEH		00037	610HS	BW1-	2.20	0.59		0	20	P 2
124	81	H	08H-VS2	08H-VS2		00115	580CP	09H+	0.87	0.54		0	<20	P 2
		H	08H-VS2	08H-VS2		00115	580CP	BW1+	2.00	0.47		0	<20	P 2
126	81	H	08H-VS3	08H-VS3		00116	580CP	08H+	0.18	0.56		0	<20	P 2
		H	08H-VS3	08H-VS3		00116	580CP	BW1+	2.10	0.60		0	<20	P 2
134	81	H	08H-VS3	08H-VS3		00119	580BC	BW1-	1.98	0.40		0	<20	P 2
136	81	H	08H-VS3	08H-VS3		00116	580CP	BW1-	1.90	1.38		0	28	P 2
138	81	H	08H-VS3	08H-VS3		00117	580CP	BW1-	1.95	2.29		0	37	P 2
142	81	H	08H-VS3	08H-VS3		00119	580BC	BW1-	1.81	1.68		0	34	P 2
144	81	H	08H-VS3	08H-VS3		00116	580CP	09H-	1.00	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3		00116	580CP	BW1-	2.12	0.46		0	<20	P 2
152	81	C	TEC-TEH	TEC-TEH		00019	610HS	09H-	1.09	0.25		0	<20	P 2
154	81	C	TEC-TEH	TEC-TEH		00018	610HS	VS1-	0.73	1.15		0	28	P 2
156	81	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+	2.14	0.35		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	VS1-	0.79	0.77		0	23	P 2
107	82	C	TEC-TEH	TEC-TEH		00037	610HS	BW1+	2.00	0.19		0	<20	P 2
113	82	C	TEC-TEH	TEC-TEH		00036	610HS	BW1+	1.95	0.59		0	<20	P 2
117	82	C	TEC-TEH	TEC-TEH		00036	610HS	09H-	1.08	0.83		0	23	P 2
121	82	H	08H-VS3	BW1-VS2		00201	580TP	BW1+	1.74	0.23		0	<20	P 2
123	82	H	BW1-VS1	BW1-VS1		00201	580TP	BW1+	1.72	0.22		0	<20	P 2
		H	07H-VS2	BW1-VS1		00201	580TP	BW1+	2.10	0.30		0	<20	P 2
129	82	H	08H-VS3	08H-VS3		00116	580CP	BW1-	1.91	0.43		0	<20	P 2
131	82	H	08H-VS3	08H-VS3		00117	580CP	BW1-	1.98	0.68		0	<20	P 2
143	82	H	08H-VS3	08H-VS3		00119	580BC	BW1-	1.54	0.67		0	<20	P 2



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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
145	82	H	08H-VS3	08H-VS3		00116	580CP	BW1-	2.01	0.35		0	<20	P 2
147	82	C	TEC-TEH	TEC-TEH		00018	610HS	VS3+	0.79	0.39		0	<20	P 2
149	82	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+	2.06	0.59		0	<20	P 2
157	82	H	BW1-VS1	BW1-VS1	1	00270	580BC	VS1-	0.71	1.22		0	23	P 2
		H	BW1-VS1	BW1-VS1	1	00270	580BC	VS1+	0.90	1.29		0	24	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	VS1+	1.06	0.53		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	VS3+	0.76	0.70		0	23	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	VS7+	0.79	1.00		0	29	P 2
110	83	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+	2.00	0.73		0	21	P 2
128	83	H	08H-VS3	08H-VS3		00121	580CP	09H+	0.86	0.19		0	<20	P 2
152	83	C	TEC-TEH	TEC-TEH		00019	610HS	VS3-	0.82	0.70		0	23	P 2
158	83	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+	2.20	0.58		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	VS3-	0.81	0.49		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	VS5+	0.87	0.84		0	24	P 2
87	84	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+	1.90	0.26		0	<20	P 2
103	84	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+	2.08	0.42		0	<20	P 2
107	84	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+	1.75	0.38		0	<20	P 2
111	84	C	TEC-TEH	TSC-TEH		00035	610HS	BW1+	1.87	0.58		0	<20	P 2
117	84	C	TEC-TEH	TEC-TEH		00034	610HS	09H+	0.52	0.36		0	<20	P 2
121	84	H	08H-VS3	08H-VS3		00121	580CP	09H-	0.91	0.31		0	<20	P 2
123	84	H	08H-VS2	08H-VS3		00121	580CP	BW1+	2.16	0.27		0	<20	P 2
127	84	H	08H-VS3	08H-VS3		00120	580BC	09H-	0.01	2.15		0	36	P 2
129	84	H	08H-VS3	08H-VS3		00123	580CP	09H-	1.09	0.32		0	<20	P 2
131	84	H	08H-VS3	08H-VS3		00121	580CP	09H+	0.82	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3		00121	580CP	09H+	0.89	0.41		0	<20	P 2
133	84	H	08H-VS3	08H-VS3		00122	580CP	09H-	0.65	0.48		0	<20	P 2
137	84	H	08H-VS3	08H-VS3		00123	580CP	09H-	0.35	0.51		0	<20	P 2
141	84	H	08H-VS3	08H-VS3		00201	580TP	VS1-	1.14	0.19		0	<20	P 2
		H	08H-VS3	08H-VS3		00201	580TP	VS3+	0.96	1.51		0	32	P 2
143	84	H	08H-VS3	08H-VS3		00120	580BC	09H+	0.74	0.83		0	<20	P 2
155	84	C	TEC-TEH	TEC-TEH		00018	610HS	09H+	0.69	0.99		0	25	P 2
157	84	H	BW1-BW1	BW1-BW1	1	00270	580BC	BW1+	1.99	1.90		0	31	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	BW1+	2.07	1.24		0	30	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	VS7+	0.91	0.71		0	21	P 2
106	85	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+	1.94	0.59		0	<20	P 2
110	85	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+	2.00	0.82		0	23	P 2
		C	TEC-TEH	TEC-TEH		00035	610HS	BW2+	1.75	0.62		0	<20	P 2
112	85	C	TEC-TEH	TEC-TEH		00034	610HS	BW1+	1.82	0.23		0	<20	P 2
120	85	H	08H-VS3	08H-VS3		00121	580CP	08H-	0.50	0.34		0	<20	P 2
		H	08H-VS3	08H-VS3		00121	580CP	09H-	0.91	0.33		0	<20	P 2
124	85	H	08H-VS2	08H-VS2		00120	580BC	09H+	0.90	0.79		0	<20	P 2
130	85	H	08H-VS3	08H-VS3		00122	580CP	09H-	0.92	0.43		0	<20	P 2
132	85	H	08H-VS3	08H-VS3		00120	580BC	09H-	0.61	1.13		0	23	P 2
		H	08H-VS3	08H-VS3		00120	580BC	09H+	0.84	0.88		0	<20	P 2
136	85	H	08H-VS3	08H-VS3		00121	580CP	BW1+	4.84	1.36		0	SVI	P 2

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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
140	85	H	08H-VS3	08H-VS3		00120	580BC	VS1- 0.76	1.22		0	25	P 2
142	85	H	08H-VS3	BW1-VS1		00199	580TP	VS1+ 0.89	0.59		0	<20	P 2
158	85	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+ 1.95	1.35		0	31	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	VS7+ 0.90	0.60		0	<20	P 2
107	86	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+ 1.80	0.35		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00035	610HS	06C+ 0.91	0.60		0	<20	P 2
111	86	C	TEC-TEH	TSC-TEH		00035	610HS	BW1+ 2.00	0.18		0	<20	P 2
113	86	C	TEC-TEH	TEC-TEH		00034	610HS	BW1+ 1.76	0.41		0	<20	P 2
115	86	C	TEC-TEH	TSC-TEH		00035	610HS	BW1+ 1.75	0.43		0	<20	P 2
117	86	C	TEC-TEH	TEC-TEH		00034	610HS	09H- 0.95	0.70		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00034	610HS	09H+ 1.05	0.98		0	27	P 2
119	86	H	08H-VS2	08H-VS3	4	00244	580TP	09H- 0.94	0.44		0	<20	P 2
129	86	H	08H-VS3	08H-VS3		00123	580CP	09H- 0.07	0.44		0	<20	P 2
133	86	H	08H-VS3	08H-VS3		00201	580TP	BW1- 2.20	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3		00201	580TP	VS1- 1.18	0.28		0	<20	P 2
135	86	H	08H-VS3	08H-VS3		00120	580BC	09H- 1.00	1.24		0	25	P 2
141	86	H	08H-VS3	08H-VS3		00199	580TP	08H- 1.00	0.62		0	<20	P 2
		H	08H-VS3	08H-VS3		00199	580TP	VS1- 1.00	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3		00199	580TP	VS1+ 0.95	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3		00199	580TP	VS3+ 0.33	0.95		0	<20	P 2
3	86	H	08H-VS3	08H-VS3		00120	580BC	VS1+ 1.00	1.09		0	23	P 2
45	86	H	08H-VS3	08H-VS3		00123	580CP	08H- 1.08	0.20		0	<20	P 2
153	86	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+ 2.10	0.52		0	<20	P 2
155	86	C	TEC-TEH	TEC-TEH		00018	610HS	BW1+ 1.99	0.88		0	24	P 2
157	86	H	BW1-VS1	BW1-VS1	1	00270	580BC	BW1+ 1.89	0.51		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	BW1+ 2.03	0.56		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00019	610HS	VS7+ 0.87	0.49		0	<20	P 2
102	87	C	TEC-TEH	TSC-TEH		00035	610HS	BW1+ 2.00	0.40		0	<20	P 2
108	87	C	TEC-TEH	TEC-TEH		00034	610HS	08H+ 0.74	0.40		0	<20	P 2
112	87	C	TEC-TEH	TEC-TEH		00034	610HS	BW1+ 1.88	0.26		0	<20	P 2
118	87	C	TEC-TEH	TSC-TEH		00035	610HS	08H+ 0.74	0.32		0	<20	P 2
		C	TEC-TEH	TSC-TEH		00035	610HS	BW1- 1.90	0.56		0	<20	P 2
		C	TEC-TEH	TSC-TEH		00035	610HS	BW1+ 1.83	0.56		0	<20	P 2
122	87	H	08H-VS2	08H-VS2		00200	580TP	08H+ 0.84	0.53		0	<20	P 2
		H	08H-VS2	08H-VS2		00200	580TP	VS1+ 0.78	0.68		0	<20	P 2
124	87	H	08H-VS2	08H-VS2		00120	580BC	09H- 0.11	1.69		0	34	P 2
		H	08H-VS2	08H-VS2		00120	580BC	09H+ 0.81	1.14		0	26	P 2
130	87	H	08H-VS3	08H-VS3		00122	580CP	09H+ 0.10	0.41		0	<20	P 2
132	87	H	08H-VS3	08H-VS3		00120	580BC	09H- 1.00	0.46		0	<20	P 2
134	87	H	08H-VS3	08H-VS3		00123	580CP	09H- 1.15	0.47		0	<20	P 2
138	87	H	08H-VS3	08H-VS3		00120	580BC	09H- 0.87	0.51		0	<20	P 2
		H	08H-VS3	08H-VS3		00120	580BC	BW1- 2.25	0.84		0	20	P 2
140	87	H	08H-VS3	08H-VS3		00122	580CP	BW1+ 2.67	0.63		0	SVI	P 2
144	87	H	08H-VS3	08H-VS3		00123	580CP	BW1- 1.91	0.56		0	<20	P 2
148	87	C	TEC-TEH	TEC-TEH		00019	610HS	BW1+ 2.10	0.26		0	<20	P 2



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
WATAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 19 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
154	87	C	TEC-TEH	TEC-TEH		00019	610HS	09H-	0.93	0.85		0	24	P 2
158	87	C	TEC-TEH	TEC-TEH		00068	610HS	BW1+	1.78	0.61		0	<20	P 2
97	88	C	TEC-TEH	TEC-TEH		00034	610HS	BW1+	2.00	0.22		0	<20	P 2
107	88	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+	2.01	0.31		0	<20	P 2
115	88	H	BW1-BW1	BW1-BW1		00197	580CP	09H-	1.77	0.39		0	<20	P 2
		H	BW1-BW1	BW1-BW1		00197	580CP	09H+	1.79	0.36		0	<20	P 2
		C	TEC-TEH	TSC-TEH		00035	610HS	BW1+	1.75	0.73		0	23	P 2
		C	TEC-TEH	TSC-TEH		00035	610HS	BW2+	1.96	0.56		0	<20	P 2
117	88	C	TEC-TEH	TEC-TEH		00034	610HS	08H+	0.82	0.36		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00034	610HS	09H-	1.26	0.95		0	26	P 2
121	88	H	08H-VS3	08H-VS3		00126	580CP	08H+	0.87	0.25		0	<20	P 2
123	88	H	08H-VS2	08H-VS2		00126	580CP	BW1+	1.91	0.25		0	<20	P 2
125	88	H	08H-VS2	08H-VS2		00126	580CP	09H+	0.78	0.21		0	<20	P 2
		H	08H-VS2	08H-VS2		00126	580CP	BW1+	1.92	0.31		0	<20	P 2
129	88	H	08H-VS3	08H-VS3		00126	580CP	09H-	0.92	0.21		0	<20	P 2
131	88	H	08H-VS3	08H-VS3		00126	580CP	09H-	0.07	0.48		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	09H+	0.09	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	BW1+	1.75	0.18		0	<20	P 2
133	88	H	08H-VS3	08H-VS3		00126	580CP	09H-	0.96	0.49		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	09H+	0.94	0.24		0	<20	P 2
137	88	H	08H-VS3	08H-VS3		00199	580TP	09H-	1.00	0.52		0	<20	P 2
		H	08H-VS3	08H-VS3		00199	580TP	BW1-	2.00	0.49		0	<20	P 2
139	88	H	08H-VS3	08H-VS3		00199	580TP	BW1-	2.07	0.33		0	<20	P 2
141	88	H	08H-VS3	08H-VS3		00199	580TP	09H+	0.95	0.23		0	<20	P 2
143	88	H	08H-VS3	08H-VS3		00120	580BC	BW1+	1.98	0.87		0	21	P 2
145	88	H	08H-VS3	08H-VS3		00123	580CP	BW1-	2.00	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3		00123	580CP	BW1+	1.56	0.22		0	<20	P 2
147	88	C	TEC-TEH	TEC-TEH		00016	610HS	BW1-	2.00	0.36		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00016	610HS	BW1+	2.00	0.29		0	<20	P 2
149	88	C	TEC-TEH	TEC-TEH		00068	610HS	BW1+	2.03	0.22		0	<20	P 2
155	88	C	TEC-TEH	TEC-TEH		00016	610HS	BW1+	1.97	0.51		0	<20	P 2
116	89	C	TEC-TEH	TEC-TEH		00034	610HS	BW1+	1.98	0.68		0	<20	P 2
124	89	H	08H-VS2	08H-VS2		00126	580CP	09H+	0.91	0.74		0	<20	P 2
		H	08H-VS2	08H-VS2		00126	580CP	BW1+	1.75	0.31		0	<20	P 2
130	89	H	08H-VS3	08H-VS3		00126	580CP	09H-	0.98	0.44		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	BW1-	1.79	0.21		0	<20	P 2
132	89	H	08H-VS3	08H-VS3		00129	580CP	09H-	1.11	0.49		0	<20	P 2
138	89	H	08H-VS3	08H-VS3		00129	580CP	BW1-	1.94	0.27		0	<20	P 2
140	89	H	08H-VS3	08H-VS3		00128	580CP	VS1-	1.37	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00128	580CP	VS1-	0.91	0.33		0	<20	P 2
142	89	H	08H-VS3	BW1-VS3		00125	580BC	VS1+	0.78	0.66		0	<20	P 2
		H	08H-VS3	BW1-VS3		00125	580BC	VS3-	1.00	0.42		0	<20	P 2
		H	08H-VS3	BW1-VS3		00125	580BC	VS3-	0.23	0.25		0	<20	P 2
144	89	H	08H-VS3	08H-VS3		00126	580CP	BW1-	1.88	0.41		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	BW1+	1.99	0.60		0	<20	P 2

[Illegible handwritten notes]

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 20 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
148	89	C	TEC-TEH	TEC-TEH		00016	610HS	BW1-	1.92	0.29		0	<20	P 2
150	89	C	TEC-TEH	TSC-TEH		00017	610HS	VS1-	0.80	0.57		0	21	P 2
		C	TEC-TEH	TSC-TEH		00017	610HS	VS3+	0.80	0.39		0	<20	P 2
154	89	C	TEC-TEH	TEC-TEH		00017	610HS	09H-	1.11	0.36		0	<20	P 2
158	89	C	TEC-TEH	TEC-TEH		00017	610HS	VS3+	0.85	0.64		0	22	P 2
		C	TEC-TEH	TEC-TEH		00017	610HS	VS5+	0.85	0.40		0	<20	P 2
97	90	C	TEC-TEH	TEC-TEH		00034	610HS	VS6+	0.80	0.22		0	<20	P 2
115	90	C	TEC-TEH	TEC-TEH		00062	610HS	VS2+	0.92	0.25		0	<20	P 2
117	90	C	TEC-TEH	TEC-TEH		00034	610HS	08H-	0.03	0.34		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00034	610HS	08H+	0.70	0.26		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00034	610HS	09H-	0.46	0.37		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00034	610HS	09H+	1.35	1.10		0	29	P 2
119	90	H	08H-VS2	08H-VS3	4	00245	580TP	08H-	0.99	0.42		0	<20	P 2
121	90	H	08H-VS3	08H-VS3		00129	580CP	08H+	0.89	0.32		0	<20	P 2
		H	08H-VS3	08H-VS3		00129	580CP	09H-	0.12	0.44		0	<20	P 2
127	90	H	08H-VS3	08H-VS3		00125	580BC	09H+	0.87	0.41		0	<20	P 2
129	90	H	08H-VS3	08H-VS3		00126	580CP	08H-	0.32	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	09H+	0.74	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	09H+	0.75	0.32		0	<20	P 2
131	90	H	08H-VS3	08H-VS3		00129	580CP	08H-	0.38	0.21		0	<20	P 2
		H	08H-VS3	08H-VS3		00129	580CP	08H+	0.83	0.46		0	<20	P 2
		H	08H-VS3	08H-VS3		00129	580CP	09H-	1.08	0.72		0	<20	P 2
		H	08H-VS3	08H-VS3		00129	580CP	09H+	0.90	0.39		0	<20	P 2
135	90	H	08H-VS3	08H-VS3		00129	580CP	BW1+	2.00	0.78		0	20	P 2
141	90	H	08H-VS3	08H-VS3		00199	580TP	09H-	1.01	0.46		0	<20	P 2
143	90	H	08H-VS3	08H-VS3		00128	580CP	BW1+	1.72	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00199	580TP	08H+	0.75	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00199	580TP	BW1+	1.70	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00199	580TP	VS1-	1.00	0.51		0	<20	P 2
		H	08H-VS3	08H-VS3		00199	580TP	VS1+	0.81	0.64		0	<20	P 2
145	90	H	08H-VS3	08H-VS3		00126	580CP	09H+	0.84	0.73		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	BW1-	2.00	0.43		0	<20	P 2
149	90	C	TEC-TEH	TEC-TEH		00017	610HS	09H+	0.72	0.39		0	<20	P 2
155	90	C	TEC-TEH	TEC-TEH		00016	610HS	BW1+	1.98	0.56		0	<20	P 2
157	90	H	BW1-VS1	BW1-VS1	1	00270	580BC	BW1+	1.61	0.60		0	<20	P 2
159	90	C	TEC-TEH	TEC-TEH		00017	610HS	VS3+	0.78	1.19		0	32	P 2
108	91	C	TEC-TEH	TEC-TEH		00034	610HS	VS3+	0.74	0.29		0	<20	P 2
120	91	H	08H-VS3	08H-VS3		00129	580CP	08H-	0.41	0.39		0	<20	P 2
124	91	H	08H-VS3	08H-BW1		00199	580TP	08H+	0.00	0.54		0	<20	P 2
		H	08H-VS3	08H-BW1		00199	580TP	09H-	0.16	0.67		0	<20	P 2
		H	08H-VS3	08H-BW1		00199	580TP	09H+	0.62	0.43		0	<20	P 2
		H	08H-VS3	08H-BW1		00199	580TP	BW1+	2.02	0.35		0	<20	P 2
132	91	H	08H-VS3	08H-VS3		00199	580TP	09H-	1.00	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3		00199	580TP	BW1+	1.72	0.34		0	<20	P 2
134	91	H	08H-VS3	08H-VS3		00126	580CP	09H-	0.93	0.45		0	<20	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 21 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
138	91	H	08H-VS3	08H-VS3		00128	580CP	BW1-	1.84	0.31		0	<20	P 2
140	91	H	08H-VS3	08H-VS3		00125	580BC	VS1+	0.07	0.48		0	<20	P 2
142	91	H	08H-VS3	08H-VS3		00126	580CP	BW1+	1.86	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	VS1-	0.80	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	VS1+	0.31	0.41		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	VS1+	0.93	1.25		0	24	P 2
		H	08H-VS3	08H-VS3		00126	580CP	VS3+	0.64	0.39		0	<20	P 2
144	91	H	08H-VS3	08H-VS3		00126	580CP	BW1-	2.00	0.42		0	<20	P 2
		H	08H-VS3	08H-VS3		00126	580CP	BW1+	1.85	0.21		0	<20	P 2
148	91	C	TEC-TEH	TEC-TEH		00016	610HS	BW1+	2.00	0.37		0	<20	P 2
158	91	C	TEC-TEH	TEC-TEH		00017	610HS	09H+	0.83	0.35		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00017	610HS	VS1-	0.78	1.13		0	31	P 2
		C	TEC-TEH	TEC-TEH		00017	610HS	VS5+	1.25	0.34		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00017	610HS	VS7+	1.19	0.56		0	21	P 2
89	92	C	TEC-TEH	TEC-TEH		00034	610HS	08H+	0.86	0.32		0	<20	P 2
109	92	C	TEC-TEH	TEC-TEH		00034	610HS	BW1+	2.00	0.24		0	<20	P 2
117	92	C	TEC-TEH	TEC-TEH		00034	610HS	09H-	1.23	0.76		0	23	P 2
119	92	H	08H-VS2	08H-VS3	4	00245	580TP	09H+	0.75	0.76		0	<20	P 2
123	92	H	08H-VS2	BW1-VS3		00199	580TP	VS1+	0.09	0.36		0	<20	P 2
125	92	H	08H-VS2	08H-VS2		00128	580CP	09H+	1.14	0.46		0	<20	P 2
129	92	H	08H-VS3	08H-VS3		00130	580CP	09H-	0.89	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3		00130	580CP	09H+	0.93	0.72		0	<20	P 2
131	92	H	08H-VS3	08H-VS3		00129	580CP	BW1+	2.10	0.54		0	<20	P 2
133	92	H	08H-VS3	BW1-VS1		00199	580TP	BW1+	1.26	1.34		0	20	P 2
		H	08H-VS3	08H-BW1		00128	580CP	BW1+	1.43	0.69		0	<20	P 2
141	92	H	08H-VS3	08H-VS3		00128	580CP	VS3+	0.29	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00128	580CP	VS3+	0.93	0.77		0	<20	P 2
143	92	H	08H-VS3	BW1-VS3		00125	580BC	VS1+	0.80	0.61		0	<20	P 2
		H	08H-VS3	08H-VS3		00199	580TP	VS1+	0.91	0.50		0	<20	P 2
145	92	H	08H-VS3	08H-VS3		00126	580CP	09H+	0.80	0.14		0	<20	P 2
147	92	C	TEC-TEH	TEC-TEH		00016	610HS	BW1+	2.05	0.37		0	<20	P 2
153	92	C	TEC-TEH	TEC-TEH		00017	610HS	VS5+	0.65	0.27		0	<20	P 2
159	92	C	TEC-TEH	TEC-TEH		00017	610HS	VS3+	0.87	0.53		0	20	P 2
106	93	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+	2.00	0.17		0	<20	P 2
108	93	C	TEC-TEH	TEC-TEH		00034	610HS	BW1+	1.86	0.73		0	22	P 2
110	93	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+	2.00	0.33		0	<20	P 2
114	93	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+	2.01	0.37		0	<20	P 2
116	93	C	TEC-TEH	TEC-TEH		00034	610HS	09H-	0.21	0.39		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00034	610HS	BW2+	1.89	0.21		0	<20	P 2
124	93	H	08H-VS2	08H-VS2		00129	580CP	09H+	1.01	0.43		0	<20	P 2
		H	08H-VS2	08H-VS2		00129	580CP	BW1-	1.76	0.37		0	<20	P 2
126	93	H	08H-VS3	08H-BW1		00130	580CP	BW1-	1.76	0.66		0	<20	P 2
		H	08H-VS3	BW1-VS1		00199	580TP	BW1-	1.61	0.50		0	<20	P 2
130	93	H	08H-VS3	08H-VS3		00130	580CP	BW1+	1.85	1.04		0	23	P 2
132	93	H	08H-VS3	08H-BW1		00129	580CP	08H+	0.91	0.26		0	<20	P 2



100-100000



100-100000



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
VNTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
132	93	H	08H-VS3	08H-BW1		00129	580CP	BW1+ 1.97	1.47		0	30	P 2
134	93	H	08H-VS3	08H-VS3		00129	580CP	08H- 0.15	0.54		0	<20	P 2
136	93	H	08H-VS3	08H-VS3		00131	580BC	09H+ 0.84	0.45		0	<20	P 2
138	93	H	08H-VS3	08H-VS3		00130	580CP	BW1- 1.85	0.73		0	<20	P 2
		H	08H-VS3	08H-VS3		00130	580CP	BW1+ 2.12	0.57		0	<20	P 2
142	93	H	08H-VS3	08H-VS3		00131	580BC	VS1+ 0.79	0.40		0	<20	P 2
144	93	H	08H-VS3	08H-VS3		00130	580CP	BW1- 1.33	0.42		0	<20	P 2
154	93	C	TEC-TEH	TEC-TEH		00017	610HS	09H+ 0.65	0.40		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00017	610HS	BW1+ 2.08	0.61		0	22	P 2
85	94	C	TEC-TEH	TEC-TEH		00034	610HS	VS3+ 0.66	0.35		0	<20	P 2
109	94	C	TEC-TEH	TEC-TEH		00034	610HS	08H+ 0.83	0.27		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00034	610HS	VS3- 0.76	0.41		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00034	610HS	VS3+ 0.99	0.37		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00034	610HS	VS5+ 1.02	0.66		0	21	P 2
111	94	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+ 2.06	0.43		0	<20	P 2
115	94	C	TEC-TEH	TEC-TEH		00035	610HS	BW1+ 2.00	0.21		0	<20	P 2
117	94	C	TEC-TEH	TEC-TEH		00034	610HS	07H+ 0.75	0.30		0	<20	P 2
121	94	H	08H-VS3	08H-VS3		00132	580TP	08H+ 0.00	0.71		0	<20	P 2
		H	08H-VS3	08H-VS3		00132	580TP	BW1+ 1.92	0.72		0	<20	P 2
123	94	H	08H-VS2	08H-VS2		00131	580BC	BW1+ 2.00	1.50		0	28	P 2
125	94	H	08H-VS2	08H-VS2		00132	580TP	BW1+ 1.99	0.95		0	<20	P 2
129	94	H	08H-VS3	08H-VS3		00131	580BC	09H+ 0.24	0.40		0	<20	P 2
131	94	H	08H-VS3	08H-VS3		00130	580CP	09H- 0.93	0.44		0	<20	P 2
133	94	H	08H-VS3	08H-VS3		00131	580BC	08H- 0.00	0.29		0	<20	P 2
135	94	H	08H-VS3	08H-BW1		00130	580CP	BW1- 1.78	1.96		0	34	P 2
		H	08H-VS3	08H-VS3		00199	580TP	BW1- 1.65	1.45		0	27	P 2
		H	08H-VS3	08H-VS3		00199	580TP	BW1+ 1.71	1.06		0	21	P 2
		H	08H-VS3	08H-BW1		00130	580CP	BW1+ 1.81	1.50		0	29	P 2
		H	08H-VS3	08H-VS3		00199	580TP	VS1+ 0.94	0.40		0	<20	P 2
139	94	H	08H-VS3	08H-VS3		00129	580CP	BW1- 2.16	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3		00129	580CP	BW1+ 2.14	0.21		0	<20	P 2
145	94	H	08H-VS3	08H-VS3		00130	580CP	09H+ 0.72	0.39		0	<20	P 2
147	94	H	BW1-BW1	BW1-BW1		00197	580CP	BW1+ 0.97	0.37		0	<20	P 2
		H	BW1-BW1	BW1-BW1	1	00262	580BC	BW1+ 0.97	0.37		0	<20	P 2
155	94	C	TEC-TEH	TEC-TEH		00016	610HS	BW1+ 2.04	0.77		0	22	P 2
88	95	C	TEC-TEH	TEC-TEH		00062	610HS	BW1+ 1.99	0.44		0	<20	P 2
120	95	H	08H-VS3	08H-VS3		00133	580CP	BW1+ 2.00	0.51		0	<20	P 2
122	95	H	08H-VS2	08H-VS2		00132	580TP	BW1+ 2.00	0.57		0	<20	P 2
124	95	H	08H-VS2	08H-VS2		00131	580BC	09H+ 1.05	0.47		0	<20	P 2
		H	08H-VS2	08H-VS2		00131	580BC	BW1+ 2.00	0.60		0	<20	P 2
126	95	H	08H-VS3	08H-VS3		00133	580CP	09H- 1.09	0.42		0	<20	P 2
130	95	H	08H-VS3	08H-VS3		00131	580BC	09H+ 0.72	0.43		0	<20	P 2
134	95	H	08H-VS3	08H-VS3		00132	580TP	BW1- 1.75	0.79		0	<20	P 2
136	95	H	08H-VS3	08H-VS3		00131	580BC	09H+ 0.92	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3		00131	580BC	BW1- 1.84	2.24		0	36	P 2

CONAM NUCLEAR, INC.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
VOLTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
136	95	H	08H-VS3	08H-VS3		00131	580BC	BW1+ 2.19	0.78		0	<20	P 2
138	95	H	08H-VS3	08H-VS3		00133	580CP	BW1- 1.87	1.34		0	28	P 2
		H	08H-VS3	08H-VS3		00133	580CP	BW1+ 1.96	0.46		0	<20	P 2
140	95	H	08H-VS3	08H-VS3		00132	580TP	09H- 0.84	0.57		0	<20	P 2
		H	08H-VS3	08H-VS3		00132	580TP	BW1+ 1.76	0.62		0	<20	P 2
142	95	H	08H-VS3	08H-VS3		00131	580BC	BW1- 2.24	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3		00131	580BC	VS1+ 1.05	0.25		0	<20	P 2
146	95	H	VS1-VS1	VS1-VS1		00197	580CP	VS1+ 0.68	0.34		0	<20	P 2
148	95	C	TEC-TEH	TEC-TEH		00017	610HS	09H+ 0.89	0.65		0	23	P 2
154	95	C	TEC-TEH	TEC-TEH		00016	610HS	BW1+ 2.13	0.21		0	<20	P 2
156	95	C	TEC-TEH	TEC-TEH		00017	610HS	BW1+ 2.25	0.36		0	<20	P 2
107	96	C	TEC-TEH	TEC-TEH		00042	610HS	BW1+ 1.75	0.34		0	<20	P 2
115	96	C	TEC-TEH	TEC-TEH		00042	610HS	08H+ 0.82	0.35		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00042	610HS	BW1+ 2.02	0.18		0	<20	P 2
117	96	H	09H-BW1	09H-BW1		00197	580CP	BW1+ 0.62	0.84		0	<20	P 2
119	96	H	08H-VS2	08H-VS3	4	00245	580TP	09H+ 0.66	0.69		0	<20	P 2
		H	08H-VS2	08H-VS3	4	00245	580TP	BW1+ 1.34	1.92		0	31	P 2
		C	TEC-TEH	TEC-TEH		00046	610HS	BW1+ 1.75	1.13		0	30	P 2
121	96	H	08H-VS3	07H-VS3		00133	580CP	BW1- 1.93	0.39		0	<20	P 2
123	96	H	08H-VS2	08H-VS2		00133	580CP	08H- 0.27	0.36		0	<20	P 2
		H	08H-VS2	08H-VS2		00133	580CP	08H+ 0.81	0.14		0	<20	P 2
125	96	H	08H-VS2	08H-VS2		00131	580BC	BW1- 2.24	0.68		0	<20	P 2
127	96	H	08H-VS3	08H-VS3		00127	580CP	09H+ 0.01	0.37		0	<20	P 2
		H	08H-VS3	08H-VS3		00127	580CP	09H+ 0.86	0.41		0	<20	P 2
129	96	H	08H-VS3	08H-VS3		00220	580TP	08H- 0.80	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3		00220	580TP	09H- 0.91	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3		00220	580TP	09H+ 15.67	0.29	0.3	SAI	P 2	
133	96	H	08H-VS3	08H-VS3		00133	580CP	BW1+ 0.48	0.44		0	<20	P 2
		H	08H-VS3	08H-VS3		00133	580CP	BW1+ 1.86	0.36		0	<20	P 2
135	96	H	08H-VS3	08H-VS3		00131	580BC	09H+ 0.70	0.52		0	<20	P 2
		H	08H-VS3	08H-VS3		00131	580BC	BW1- 2.32	0.57		0	<20	P 2
139	96	H	08H-VS3	08H-VS3		00127	580CP	BW1+ 2.22	0.50		0	<20	P 2
145	96	H	08H-VS3	08H-VS3		00134	580BC	VS1+ 0.00	0.60		0	<20	P 2
151	96	C	TEC-TEH	TEC-TEH		00016	610HS	09H+ 0.72	0.33		0	<20	P 2
157	96	C	TEC-TEH	TEC-TSH		00011	610HS	08C- 1.06	0.44		0	<20	P 2
108	97	C	TEC-TEH	TEC-TEH		00047	610HS	BW1- 2.00	0.65		0	20	P 2
118	97	H	BW1-BW1	BW1-BW1		00192	610BC	BW1+ 1.80	0.31		0	<20	P 2
128	97	H	08H-VS3	08H-VS3		00220	580TP	09H- 0.99	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00220	580TP	09H- 0.17	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00220	580TP	VS1+ 0.60	0.30		0	<20	P 2
136	97	H	08H-VS3	08H-VS3		00135	580CP	09H- 0.90	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3		00135	580CP	BW1- 1.74	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3		00135	580CP	BW1+ 1.54	0.31		0	<20	P 2
140	97	H	08H-VS3	08H-VS3		00127	580CP	BW1+ 1.81	0.34		0	<20	P 2
144	97	H	08H-VS3	08H-VS3		00135	580CP	09H- 0.77	0.27		0	<20	P 2

CONAM NUCLEAR, INC.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MOUNTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
144	97	H	08H-VS3	08H-VS3		00135	580CP	VS1- 0.98	0.33		0	<20	P 2
150	97	C	TEC-TEH	TEC-TEH		00017	610HS	09H+ 0.65	0.61		0	22	P 2
158	97	C	TEC-TEH	TEC-TEH		00017	610HS	BW1- 1.98	0.49		0	<20	P 2
93	98	C	TEC-TEH	TEC-TEH		00047	610HS	BW1+ 1.75	0.45		0	<20	P 2
107	98	C	TEC-TEH	TEC-TEH		00046	610HS	BW1+ 2.00	0.19		0	<20	P 2
119	98	C	TEC-TEH	TEC-TEH		00046	610HS	07H+ 0.90	0.47		0	<20	P 2
125	98	H	08H-VS2	08H-BW1		00136	580BC	08H+ 0.82	0.44		0	<20	P 2
		H	08H-VS2	BW1-VS2		00136	580BC	BW1+ 2.25	0.48		0	<20	P 2
135	98	H	08H-VS3	08H-VS3		00220	580TP	09H- 0.99	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00220	580TP	09H+ 16.50	0.38	0.3	MAI	P 2	
		H	08H-VS3	08H-VS3		00220	580TP	09H+ 17.60	0.17	0.3	MAI	P 2	
147	98	C	TEC-TEH	TEC-TEH		00064	610HS	09H- 0.85	0.30		0	<20	P 2
149	98	C	TEC-TEH	TEC-TEH		00015	610HS	09H+ 0.72	0.64		0	20	P 2
153	98	C	TEC-TEH	TEC-TEH		00017	610HS	09H+ 0.70	0.32		0	<20	P 2
155	98	C	TEC-TEH	TEC-TEH		00016	610HS	BW1+ 1.96	0.49		0	<20	P 2
104	99	C	TEC-TEH	TEC-TEH		00047	610HS	BW2+ 1.75	0.81		0	23	P 2
110	99	C	TEC-TEH	TEC-TEH		00046	610HS	BW1+ 1.78	0.35		0	<20	P 2
118	99	C	TEC-TEH	TEC-TEH		00046	610HS	08H+ 0.84	0.37		0	<20	P 2
120	99	H	08H-VS3	08H-VS3		00137	580CP	09H+ 0.84	0.44		0	<20	P 2
122	99	H	08H-VS2	08H-VS3		00139	580CP	09H- 0.91	0.24		0	<20	P 2
126	99	H	08H-VS3	08H-VS3		00139	580CP	09H- 0.88	0.36		0	<20	P 2
130	99	H	08H-VS3	08H-VS3		00220	580TP	09H- 0.09	0.32		0	<20	P 2
138	99	H	08H-VS3	08H-VS3		00135	580CP	09H- 0.95	0.26		0	<20	P 2
		H	08H-VS3	08H-VS3		00135	580CP	09H+ 0.85	0.30		0	<20	P 2
148	99	C	TEC-TEH	TEC-TEH		00015	610HS	09H+ 0.66	0.21		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00015	610HS	BW1+ 2.03	0.66		0	21	P 2
154	99	C	TEC-TEH	TEC-TEH		00015	610HS	BW1+ 2.00	0.38		0	<20	P 2
156	99	C	TEC-TEH	TEC-TEH		00015	610HS	08H- 1.00	0.52		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00015	610HS	BW1+ 2.01	0.25		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00015	610HS	VS7- 0.82	0.38		0	<20	P 2
111	100	C	TEC-TEH	TEC-TEH		00046	610HS	BW1+ 1.89	0.30		0	<20	P 2
113	100	C	TEC-TEH	TEC-TEH		00047	610HS	BW1- 2.08	0.31		0	<20	P 2
115	100	C	TEC-TEH	TEC-TEH		00046	610HS	BW1+ 1.86	0.32		0	<20	P 2
117	100	C	TEC-TEH	TEC-TEH		00047	610HS	08H+ 0.63	0.64		0	20	P 2
119	100	H	08H-VS2	08H-VS3	4	00245	580TP	08H- 0.02	0.53		0	<20	P 2
		H	08H-VS2	08H-VS3	4	00245	580TP	09H- 1.15	0.68		0	<20	P 2
		H	09H-BW1	09H-BW1	1	00192	610BC	09H- 0.88	0.57		0	<20	P 2
137	100	H	08H-VS3	08H-VS3		00137	580CP	09H+ 0.95	0.73		0	<20	P 2
141	100	H	08H-VS3	09H-VS3		00141	580CP	BW1+ 1.81	0.27		0	<20	P 2
		H	08H-VS3	09H-VS3		00141	580CP	VS1+ 0.17	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00141	580CP	VS1+ 0.86	0.23		0	<20	P 2
151	100	C	TEC-TEH	TEC-TSH		00014	610HS	09H+ 0.88	0.54		0	<20	P 2
159	100	C	TEC-TEH	TEC-TEH		00015	610HS	VS1+ 2.00	0.27		0	<20	P 2
86	101	C	TEC-TEH	TEC-TEH		00046	610HS	08H+ 0.73	0.19		0	<20	P 2
108	101	C	TEC-TEH	TEC-TEH		00047	610HS	BW1+ 2.00	0.39		0	<20	P 2



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CUMULATIVE REPORT
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STEAM GENERATOR : 31
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
120	101	H	08H-VS3	08H-VS3		00140	580CP	09H-	1.03	0.65		0	<20	P 2
		H	08H-VS3	08H-VS3		00140	580CP	09H+	0.11	0.51		0	<20	P 2
134	101	H	08H-VS3	08H-VS3		00139	580CP	VS1+	0.62	0.69		0	<20	P 2
136	101	H	08H-VS3	08H-VS3		00141	580CP	09H-	1.10	0.28		0	<20	P 2
		H	08H-VS3	08H-VS3		00141	580CP	09H+	0.90	0.23		0	<20	P 2
140	101	H	08H-VS3	08H-VS3		00137	580CP	BW1+	2.13	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00137	580CP	VS1+	0.36	0.45		0	<20	P 2
144	101	H	08H-VS3	08H-VS3		00141	580CP	08H-	0.95	0.12		0	<20	P 2
		H	08H-VS3	08H-VS3		00141	580CP	VS1+	1.01	0.24		0	<20	P 2
107	102	C	TEC-TEH	TEC-TEH		00047	610HS	BW1+	2.00	0.74		0	22	P 2
113	102	C	TEC-TEH	TEC-TEH		00046	610HS	BW1+	1.84	0.35		0	<20	P 2
119	102	H	08H-VS2	08H-VS3	4	00245	580TP	09H-	1.14	0.46		0	<20	P 2
127	102	H	08H-VS3	08H-VS3		00141	580CP	09H-	0.12	0.20		0	<20	P 2
137	102	H	08H-VS3	08H-VS3		00140	580CP	09H+	0.61	0.52		0	<20	P 2
141	102	H	08H-VS3	08H-VS3		00139	580CP	BW1+	1.75	0.28		0	<20	P 2
143	102	H	08H-VS3	08H-VS3		00141	580CP	BW1-	2.00	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3		00141	580CP	VS1-	0.93	0.62		0	<20	P 2
		H	08H-VS3	08H-VS3		00141	580CP	VS1+	1.20	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3		00141	580CP	VS3+	1.00	0.88		0	<20	P 2
145	102	H	08H-VS3	08H-VS3		00141	580CP	VS1-	0.79	0.24		0	<20	P 2
9	102	C	TEC-TEH	TEC-TEH		00015	610HS	09H+	0.60	0.42		0	<20	P 2
14	103	C	TEC-TEH	TEC-TEH		00047	610HS	BW1+	1.75	1.10		0	<20	P 2
122	103	H	08H-VS2	08H-VS2		00142	580CP	09H-	0.88	0.50		0	<20	P 2
		H	08H-VS2	08H-VS2		00142	580CP	09H-	0.07	0.40		0	<20	P 2
126	103	H	08H-VS3	08H-VS3		00141	580CP	08H+	1.02	0.48		0	<20	P 2
		H	08H-VS3	08H-VS3		00141	580CP	09H-	0.15	0.37		0	<20	P 2
130	103	H	08H-VS3	08H-VS3		00142	580CP	09H-	1.07	0.24		0	<20	P 2
132	103	H	08H-VS3	08H-VS3		00139	580CP	BW1+	1.80	0.46		0	<20	P 2
134	103	H	08H-VS3	08H-VS3		00141	580CP	BW1+	2.00	1.55		0	30	P 2
136	103	H	08H-VS3	08H-VS3		00140	580CP	09H+	0.86	0.53		0	<20	P 2
138	103	H	08H-VS3	08H-VS3		00140	580CP	BW1-	1.85	0.40		0	<20	P 2
140	103	H	08H-VS3	08H-VS3		00139	580CP	VS1-	0.53	0.34		0	<20	P 2
144	103	H	08H-VS3	08H-VS3		00141	580CP	VS1-	1.01	0.29		0	<20	P 2
		H	08H-VS3	08H-VS3		00141	580CP	VS1+	0.97	1.24		0	24	P 2
146	103	C	TEC-TEH	TEC-TEH		00014	610HS	VS1+	0.88	0.68		0	22	P 2
154	103	C	TEC-TEH	TEC-TEH		00015	610HS	VS3-	0.89	0.38		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00015	610HS	VS3+	0.98	1.13		0	29	P 2
156	103	C	TEC-TEH	TEC-TEH		00014	610HS	BW1+	2.21	0.34		0	<20	P 2
115	104	C	TEC-TEH	TEC-TEH		00047	610HS	BW1-	1.87	1.01		0	26	P 2
119	104	H	08H-VS2	08H-VS3	4	00245	580TP	08H+	0.97	0.97		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00047	610HS	08H+	1.00	0.59		0	<20	P 2
		H	08H-VS2	08H-VS3	4	00245	580TP	09H-	1.00	0.48		0	<20	P 2
123	104	H	08H-VS2	08H-VS2		00142	580CP	09H+	0.70	0.82		0	<20	P 2
125	104	H	08H-VS2	08H-VS2		00139	580CP	BW1+	1.87	0.79		0	20	P 2
127	104	H	08H-VS3	08H-VS3		00141	580CP	09H+	0.91	0.33		0	<20	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
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STEAM GENERATOR : 31
MANTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
127	104	H	08H-VS3	08H-VS3		00141	580CP	BW1+ 1.91	0.70		0	<20	P 2
129	104	H	08H-VS3	08H-VS3		00140	580CP	BW1- 1.89	1.17		0	26	P 2
133	104	H	08H-VS3	08H-VS3		00139	580CP	BW1- 2.16	0.44		0	<20	P 2
135	104	H	08H-VS3	08H-VS3		00141	580CP	BW1- 1.75	1.68		0	32	P 2
137	104	H	08H-VS3	08H-VS3		00140	580CP	BW1+ 1.88	0.40		0	<20	P 2
139	104	H	08H-VS3	08H-VS3		00142	580CP	09H+ 0.85	0.20		0	<20	P 2
141	104	H	08H-VS3	08H-VS3		00139	580CP	09H- 1.00	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3		00139	580CP	BW1- 1.97	0.23		0	<20	P 2
143	104	H	08H-VS3	08H-VS3		00141	580CP	08H- 0.80	0.16		0	<20	P 2
		H	08H-VS3	08H-VS3		00141	580CP	BW1- 2.00	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00141	580CP	VS1- 0.96	1.02		0	21	P 2
		H	08H-VS3	08H-VS3		00141	580CP	VS1+ 1.08	1.18		0	24	P 2
		H	08H-VS3	08H-VS3		00141	580CP	VS3+ 0.14	1.66		0	29	P 2
		H	08H-VS3	08H-VS3		00141	580CP	VS3+ 0.62	1.16		0	23	P 2
145	104	H	08H-VS3	08H-VS3		00142	580CP	BW1+ 1.92	0.25		0	<20	P 2
149	104	C	TEC-TEH	TEC-TEH		00015	610HS	VS1- 0.89	0.18		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00015	610HS	VS1+ 0.95	0.51		0	<20	P 2
155	104	C	TEC-TEH	TEC-TEH		00014	610HS	BW1+ 2.22	0.53		0	<20	P 2
106	105	C	TEC-TEH	TEC-TEH		00047	610HS	VS3- 1.03	0.71		0	21	P 2
		C	TEC-TEH	TEC-TEH		00047	610HS	VS5+ 0.03	0.52		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00047	610HS	VS5+ 0.79	1.05		0	27	P 2
108	105	C	TEC-TEH	TEC-TEH		00046	610HS	VS3+ 0.89	0.34		0	<20	P 2
114	105	H	BW1-BW1	BW1-BW1	1	00192	610BC	BW1+ 0.88	0.65		0	<20	P 2
120	105	H	08H-VS3	08H-VS3		00142	580CP	09H- 0.91	0.61		0	<20	P 2
128	105	H	08H-VS3	08H-VS3		00145	580CP	09H- 0.94	0.56		0	<20	P 2
134	105	H	08H-VS3	08H-VS3		00144	580CP	09H+ 0.70	0.32		0	<20	P 2
136	105	H	08H-VS3	08H-VS3		00145	580CP	BW1- 1.74	1.57		0	22	P 2
		H	08H-VS3	08H-VS3		00145	580CP	BW1+ 1.80	1.40		0	20	P 2
		H	08H-VS3	08H-VS3		00145	580CP	VS1+ 0.00	0.51		0	<20	P 2
138	105	H	08H-VS3	08H-VS1		00220	580TP	09H+ 0.75	0.61		0	<20	P 2
		H	08H-VS3	08H-VS1		00220	580TP	BW1- 1.62	0.37		0	<20	P 2
140	105	H	08H-VS3	08H-VS3		00142	580CP	VS1+ 0.90	0.75		0	<20	P 2
144	105	H	08H-VS3	08H-VS3		00145	580CP	BW1- 1.77	0.74		0	<20	P 2
146	105	C	TEC-TEH	TEC-TEH		00014	610HS	VS1+ 0.76	0.69		0	23	P 2
148	105	C	TEC-TEH	TEC-TEH		00014	610HS	BW1+ 2.25	0.33		0	<20	P 2
154	105	C	TEC-TEH	TEC-TEH		00015	610HS	BW1+ 2.00	0.36		0	<20	P 2
107	106	C	TEC-TEH	TEC-TEH		00046	610HS	VS5+ 0.70	0.49		0	<20	P 2
119	106	H	08H-VS2	08H-VS3	4	00245	580TP	09H- 0.97	0.74		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00046	610HS	09H- 0.84	0.26		0	<20	P 2
121	106	H	08H-VS3	08H-VS3		00146	580CP	08H+ 0.02	0.20		0	<20	P 2
		H	08H-VS3	08H-VS3		00146	580CP	08H+ 0.89	0.23		0	<20	P 2
		H	08H-VS3	08H-VS3		00146	580CP	09H- 1.00	0.55		0	<20	P 2
133	106	H	08H-VS3	08H-VS3		00147	580CP	09H+ 1.00	0.26		0	<20	P 2
137	106	H	08H-VS3	08H-VS3		00142	580CP	BW1- 1.94	0.73		0	<20	P 2
151	106	C	TEC-TEH	TEC-TEH		00064	610HS	09H- 1.01	0.28		0	<20	P 2



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STEAM GENERATOR : 31
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
151	106	C	TEC-TEH	TEC-TEH		00064	610HS	BW1- 2.00	0.42		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00064	610HS	BW1+ 2.00	0.57		0	<20	P 2
155	106	H	09H-BW1	09H-BW1	1	00270	580BC	BW1+ 1.99	0.31		0	<20	P 2
		H	09H-BW1	09H-BW1	1	00270	580BC	09H+ 37.04	0.41		0	SVI	P 2
86	107	C	TEC-TEH	TEC-TEH		00046	610HS	VS3- 1.06	0.57		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00046	610HS	VS3- 0.66	1.12		0	29	P 2
		C	TEC-TEH	TEC-TEH		00046	610HS	VS3- 0.16	0.22		0	<20	P 2
116	107	C	TEC-TEH	TEC-TEH		00046	610HS	09H+ 1.22	0.70		0	22	P 2
124	107	H	08H-VS2	08H-VS2		00146	580CP	09H+ 0.90	0.53		0	<20	P 2
126	107	H	08H-VS3	08H-VS3		00142	580CP	09H- 0.94	0.29		0	<20	P 2
130	107	H	08H-VS3	08H-VS3		00148	580CP	09H- 0.94	0.40		0	<20	P 2
132	107	H	08H-VS3	08H-VS3		00146	580CP	VS1- 0.66	0.61		0	<20	P 2
		H	08H-VS3	08H-VS3		00146	580CP	VS1- 0.52	0.16		0	<20	P 2
150	107	C	TEC-TEH	TEC-TEH		00015	610HS	VS3+ 1.00	0.56		0	<20	P 2
95	108	C	TEC-TEH	TEC-TEH		00049	610HS	VS6- 0.70	0.26		0	<20	P 2
113	108	C	TEC-TEH	TEC-TEH		00048	610HS	BW1+ 1.97	0.59		0	20	P 2
115	108	C	TEC-TEH	TEC-TEH		00049	610HS	BW1+ 1.89	0.60		0	21	P 2
121	108	H	08H-VS3	08H-VS3		00146	580CP	09H+ 1.10	0.16		0	<20	P 2
131	108	H	08H-VS3	08H-VS3		00142	580CP	09H+ 0.85	0.60		0	<20	P 2
135	108	H	08H-VS3	08H-VS3		00148	580CP	09H+ 1.01	0.61		0	<20	P 2
		H	08H-VS3	08H-VS3		00148	580CP	VS2- 0.70	0.73		0	<20	P 2
143	108	H	08H-VS3	08H-VS3		00148	580CP	BW1+ 1.95	0.78		0	<20	P 2
		H	08H-VS3	08H-VS3		00148	580CP	VS2+ 1.05	0.94		0	20	P 2
		H	08H-VS3	08H-VS3		00148	580CP	VS3+ 0.91	0.63		0	<20	P 2
145	108	H	08H-VS3	08H-VS3		00148	580CP	BW1+ 1.78	0.80		0	<20	P 2
151	108	C	TEC-TEH	TEC-TEH		00064	610HS	09H+ 0.06	0.54		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00064	610HS	09H+ 1.03	0.39		0	<20	P 2
157	108	C	TEC-TEH	TEC-TEH		00015	610HS	BW1+ 1.75	0.29		0	<20	P 2
118	109	C	TEC-TEH	TEC-TEH		00049	610HS	BW2+ 1.75	0.29		0	<20	P 2
120	109	H	08H-VS3	08H-VS3		00151	580CP	09H- 0.95	0.43		0	<20	P 2
122	109	H	08H-VS2	08H-VS2		00150	580CP	BW1+ 1.75	0.39		0	<20	P 2
124	109	H	08H-VS2	08H-VS3		00149	580CP	08H- 1.11	0.41		0	<20	P 2
126	109	H	08H-VS3	08H-VS3		00151	580CP	BW1+ 1.69	0.38		0	<20	P 2
128	109	H	08H-VS3	08H-VS3		00150	580CP	09H- 0.96	0.23		0	<20	P 2
130	109	H	08H-VS3	08H-VS3		00149	580CP	09H- 0.81	0.31		0	<20	P 2
134	109	H	08H-VS3	08H-VS3		00151	580CP	VS1+ 0.79	0.32		0	<20	P 2
140	109	H	08H-VS3	08H-VS3		00148	580CP	09H+ 0.94	0.55		0	<20	P 2
142	109	H	08H-VS3	08H-VS3		00149	580CP	BW1+ 1.79	0.53		0	<20	P 2
148	109	C	TEC-TEH	TEC-TEH		00015	610HS	BW1+ 1.84	0.30		0	<20	P 2
115	110	C	TEC-TEH	TEC-TEH		00048	610HS	BW2+ 1.89	0.19		0	<20	P 2
121	110	H	08H-VS3	08H-VS3		00151	580CP	09H+ 0.76	0.56		0	<20	P 2
123	110	H	08H-VS2	08H-VS2		00150	580CP	09H- 0.95	0.48		0	<20	P 2
129	110	H	08H-VS3	08H-VS3		00151	580CP	09H- 0.11	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3		00151	580CP	09H+ 0.78	0.25		0	<20	P 2
131	110	H	08H-VS3	08H-VS3		00150	580CP	09H- 0.88	0.51		0	<20	P 2

CONAM NUCLEAR, INC.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
131	110	H	08H-VS3	08H-VS3		00150	580CP	BW1+ 1.86	0.41		0	<20	P 2
137	110	H	08H-VS3	08H-VS3		00151	580CP	09H+ 0.99	0.30		0	<20	P 2
139	110	H	08H-VS3	08H-VS3		00150	580CP	BW1+ 2.05	0.57		0	<20	P 2
141	110	H	08H-VS3	08H-VS3		00149	580CP	VS1- 0.73	0.50		0	<20	P 2
151	110	C	TEC-TEH	TEC-TEH		00064	610HS	BW2- 1.84	0.62		0	<20	P 2
155	110	C	TEC-TEH	TEC-TEH		00014	610HS	BW1+ 2.11	0.72		0	23	P 2
104	111	C	TEC-TEH	TEC-TEH		00048	610HS	BW1- 2.22	0.24		0	<20	P 2
118	111	C	TEC-TEH	TEC-TEH		00049	610HS	BW1- 2.01	0.69		0	24	P 2
122	111	H	08H-VS2	08H-BW1		00151	580CP	BW1+ 1.92	0.43		0	<20	P 2
		H	08H-VS2	BW1-VS2		00220	580TP	VS2- 0.98	0.31		0	<20	P 2
130	111	H	08H-VS3	08H-VS3		00151	580CP	BW1+ 1.62	0.31		0	<20	P 2
132	111	H	08H-VS3	08H-VS3		00150	580CP	VS1- 1.00	0.45		0	<20	P 2
		H	08H-VS3	08H-VS3		00150	580CP	VS3+ 0.36	0.42		0	<20	P 2
		H	08H-VS3	08H-VS3		00150	580CP	VS3+ 0.86	0.39		0	<20	P 2
136	111	H	08H-VS3	08H-VS1		00220	580TP	BW1+ 2.26	0.33		0	<20	P 2
		H	08H-VS3	VS1-VS3		00148	580CP	VS1- 0.91	0.84		0	<20	P 2
138	111	H	08H-VS3	08H-VS3		00151	580CP	BW1+ 1.80	0.50		0	<20	P 2
140	111	H	08H-VS3	08H-VS3		00150	580CP	BW1+ 1.89	0.29		0	<20	P 2
142	111	H	08H-VS3	08H-VS3		00149	580CP	VS1+ 1.05	1.41		0	30	P 2
154	111	C	TEC-TEH	TEC-TSH		00014	610HS	BW1+ 2.15	0.53		0	<20	P 2
157	112	C	TEC-TEH	TSC-TEH		00049	610HS	BW2+ 1.85	0.55		0	20	P 2
105	112	C	TEC-TEH	TEC-TEH		00048	610HS	BW1+ 2.06	0.32		0	<20	P 2
113	112	C	TEC-TEH	TEC-TEH		00048	610HS	BW1+ 2.15	0.33		0	<20	P 2
117	112	C	TEC-TEH	TEC-TEH		00048	610HS	BW1+ 2.14	0.37		0	<20	P 2
121	112	H	08H-VS3	08H-VS3		00151	580CP	09H- 0.89	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3		00151	580CP	BW1+ 1.70	0.38		0	<20	P 2
123	112	H	08H-VS2	08H-VS2		00150	580CP	09H+ 1.00	0.72		0	<20	P 2
131	112	H	08H-VS3	08H-VS3		00150	580CP	09H- 0.14	0.37		0	<20	P 2
133	112	H	08H-VS3	08H-VS3		00149	580CP	VS2- 0.87	0.40		0	<20	P 2
139	112	H	08H-VS3	08H-VS3		00150	580CP	09H+ 1.00	0.22		0	<20	P 2
		H	08H-VS3	08H-VS3		00150	580CP	BW1+ 1.96	0.38		0	<20	P 2
143	112	H	08H-VS3	BW1-VS1		00219	580TP	VS1- 0.97	0.34		0	<20	P 2
151	112	C	TEC-TEH	TEC-TEH		00014	610HS	VS3+ 1.05	1.13		0	30	P 2
114	113	H	08H-BW1	08H-BW1	1	00270	580BC	BW1+ 1.78	0.45		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00049	610HS	VS2- 0.86	0.27		0	<20	P 2
116	113	C	TEC-TEH	TEC-TEH		00048	610HS	09H+ 0.59	0.28		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00048	610HS	BW2- 1.78	0.41		0	<20	P 2
118	113	C	TEC-TEH	TEC-TEH		00049	610HS	BW1+ 2.00	0.45		0	<20	P 2
120	113	H	08H-VS3	08H-VS3		00151	580CP	BW1+ 1.95	0.82		0	<20	P 2
122	113	H	08H-VS2	08H-VS2		00150	580CP	VS1- 1.00	0.77		0	<20	P 2
124	113	H	08H-VS2	07H-VS2		00151	580CP	09H+ 0.66	0.54		0	<20	P 2
128	113	H	08H-VS3	08H-VS3		00149	580CP	09H+ 0.90	0.73		0	<20	P 2
134	113	H	08H-VS3	08H-VS3		00150	580CP	VS1+ 0.83	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3		00150	580CP	VS3+ 0.87	0.54		0	<20	P 2
136	113	H	08H-VS3	08H-VS3		00149	580CP	BW1+ 2.00	0.52		0	<20	P 2

CONAM NUCLEAR, INC.



SECRET



SECRET



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12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
138	113	H	08H-VS3	08H-VS3		00151	580CP	09H+ 0.76	0.42		0	<20	P 2
152	113	C	TEC-TEH	TSC-TEH		00015	610HS	VS3- 1.01	1.11		0	29	P 2
		C	TEC-TEH	TSC-TEH		00015	610HS	VS7+ 0.98	0.26		0	<20	P 2
156	113	C	TEC-TEH	TEC-TEH		00015	610HS	BW1+ 2.00	0.59		0	<20	P 2
107	114	C	TEC-TEH	TSC-TEH		00049	610HS	BW1+ 1.75	0.40		0	<20	P 2
113	114	C	TEC-TEH	TEC-TEH		00048	610HS	BW2+ 1.75	0.24		0	<20	P 2
115	114	C	TEC-TEH	TEC-TEH		00049	610HS	BW1+ 2.00	0.47		0	<20	P 2
117	114	C	TEC-TEH	TEC-TEH		00048	610HS	BW1+ 2.06	0.57		0	<20	P 2
119	114	C	TEC-TEH	TEC-TEH		00049	610HS	BW1- 1.81	0.40		0	<20	P 2
121	114	H	08H-VS3	08H-VS3		00151	580CP	09H+ 0.81	0.49		0	<20	P 2
		H	08H-VS3	08H-VS3		00151	580CP	09H+ 0.84	0.36		0	<20	P 2
123	114	H	08H-VS2	08H-VS2		00150	580CP	09H- 1.00	0.23		0	<20	P 2
127	114	H	08H-VS3	08H-VS3		00151	580CP	BW1- 1.64	0.39		0	<20	P 2
131	114	H	08H-VS3	08H-VS3		00149	580CP	BW1- 1.93	0.68		0	<20	P 2
133	114	H	08H-VS3	08H-VS3		00151	580CP	BW1- 1.79	0.28		0	<20	P 2
135	114	H	08H-BW1	08H-VS3		00150	580CP	BW1+ 1.75	3.05		0	42	P 2
139	114	H	08H-VS3	08H-BW1		00151	580CP	BW1- 1.79	0.46		0	<20	P 2
145	114	H	08H-VS3	08H-VS3		00153	580CP	BW1+ 1.80	0.37		0	<20	P 2
112	115	C	TEC-TEH	TEC-TEH		00048	610HS	VS6+ 0.96	0.40		0	<20	P 2
116	115	C	TEC-TEH	TEC-TEH		00048	610HS	09H- 1.01	0.31		0	<20	P 2
8	115	C	TEC-TEH	TEC-TEH		00049	610HS	08H+ 0.90	0.44		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00049	610HS	BW1+ 2.00	0.80		0	26	P 2
132	115	H	08H-VS3	08H-VS3		00154	580CP	BW1- 1.82	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3		00154	580CP	BW1+ 1.90	0.59		0	<20	P 2
134	115	H	08H-VS3	08H-VS3		00153	580CP	VS3+ 0.96	0.28		0	<20	P 2
136	115	H	08H-VS3	08H-VS3		00219	580TP	BW1- 1.92	0.67		0	<20	P 2
		H	08H-VS3	08H-VS3		00219	580TP	BW1+ 1.86	1.16		0	24	P 2
144	115	H	08H-VS3	08H-VS3		00153	580CP	VS1- 1.02	0.38		0	<20	P 2
152	115	C	TEC-TEH	TEC-TEH		00015	610HS	BW1+ 2.00	0.33		0	<20	P 2
109	116	C	TEC-TEH	TEC-TEH		00078	610HS	BW1+ 2.17	0.32		0	<20	P 2
117	116	C	TEC-TEH	TEC-TEH		00078	610HS	09H- 0.82	0.41		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00078	610HS	BW1- 2.00	0.26		0	<20	P 2
123	116	H	08H-VS2	08H-VS2		00153	580CP	09H+ 0.74	0.37		0	<20	P 2
		H	08H-VS2	08H-VS2		00153	580CP	BW1+ 1.68	0.64		0	<20	P 2
125	116	H	08H-VS2	08H-VS2		00154	580CP	BW1+ 0.60	0.37		0	<20	P 2
127	116	H	08H-VS3	08H-VS3		00153	580CP	BW1- 1.57	0.19		0	<20	P 2
131	116	H	08H-VS3	08H-VS1		00219	580TP	BW1+ 1.78	0.36		0	<20	P 2
133	116	H	08H-VS3	08H-VS3		00154	580CP	BW1- 1.93	1.77		0	35	P 2
		H	08H-VS3	08H-VS3		00154	580CP	BW1+ 2.24	0.43		0	<20	P 2
135	116	H	08H-VS3	08H-VS3		00153	580CP	VS1- 0.76	0.32		0	<20	P 2
137	116	H	08H-VS3	08H-VS3		00153	580CP	09H- 0.99	0.29		0	<20	P 2
		H	08H-VS3	08H-VS3		00153	580CP	BW1+ 1.96	0.97		0	23	P 2
		H	08H-VS3	08H-VS3		00153	580CP	VS1- 0.96	0.25		0	<20	P 2
139	116	H	08H-VS3	08H-VS3		00155	580CP	VS1+ 0.87	0.24		0	<20	P 2
141	116	H	08H-VS3	08H-VS3		00155	580CP	VS3+ 0.97	0.24		0	<20	P 2

CONAM NUCLEAR, INC.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 30 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
143	116	H	08H-VS3	09H-VS3		00153	580CP	09H+ 0.93	0.33		0	<20	P 2
149	116	C	TEC-TEH	TEC-TEH		00015	610HS	BW1+ 2.07	0.36		0	<20	P 2
112	117	C	TEC-TEH	TEC-TEH		00078	610HS	BW1- 1.91	0.25		0	<20	P 2
122	117	H	08H-VS2	08H-VS2		00155	580CP	VS1- 0.77	0.77		0	<20	P 2
124	117	H	08H-VS2	08H-VS2		00158	580CP	09H+ 1.18	0.62		0	<20	P 2
132	117	H	08H-VS3	08H-VS3		00155	580CP	BW1+ 1.67	0.70		0	<20	P 2
134	117	H	08H-VS3	08H-VS3		00153	580CP	BW1+ 0.58	0.44		0	<20	P 2
136	117	H	08H-VS3	08H-VS3		00153	580CP	BW1+ 1.80	1.41		0	28	P 2
138	117	H	08H-VS3	08H-VS3		00155	580CP	BW1- 2.15	0.27		0	<20	P 2
		H	08H-VS3	08H-VS3		00155	580CP	BW1+ 2.05	0.14		0	<20	P 2
		H	08H-VS3	08H-VS3		00155	580CP	VS1- 0.74	0.36		0	<20	P 2
140	117	H	08H-VS3	08H-VS3		00155	580CP	09H+ 0.99	0.32		0	<20	P 2
150	117	C	TEC-TEH	TEC-TEH		00010	610HS	BW1- 2.03	0.71		0	22	P 2
154	117	H	BW1-VS1	BW1-VS1	1	00270	580BC	BW1+ 2.05	0.38		0	<20	P 2
93	118	C	TEC-TEH	TEC-TEH		00061	610HS	VS5- 1.17	0.81		0	<20	P 2
105	118	C	TEC-TEH	TEC-TEH		00061	610HS	BW1+ 2.25	0.45		0	<20	P 2
119	118	C	TEC-TEH	TEC-TEH		00060	610HS	BW1+ 2.00	0.48		0	<20	P 2
121	118	H	08H-VS3	08H-VS3		00157	580CP	09H+ 0.38	0.62		0	<20	P 2
123	118	H	08H-VS2	08H-VS2		00155	580CP	09H+ 1.13	0.63		0	<20	P 2
		H	08H-VS2	08H-VS2		00155	580CP	VS1- 0.94	0.28		0	<20	P 2
5	118	H	08H-VS2	08H-VS2		00158	580CP	09H+ 0.90	0.35		0	<20	P 2
		H	08H-VS2	08H-VS2		00158	580CP	BW1+ 0.40	0.30		0	<20	P 2
131	118	H	08H-VS3	08H-VS3		00155	580CP	BW1+ 1.82	0.70		0	<20	P 2
133	118	H	08H-VS3	08H-VS3		00158	580CP	09H+ 1.39	0.20		0	<20	P 2
		H	08H-VS3	08H-VS3		00158	580CP	BW1+ 2.30	1.84		0	33	P 2
141	118	H	08H-VS3	08H-VS3		00158	580CP	VS1+ 0.10	0.34		0	<20	P 2
151	118	C	TEC-TEH	TEC-TEH		00013	610HS	BW1+ 2.00	0.51		0	<20	P 2
100	119	C	TEC-TEH	TEC-TEH		00060	610HS	VS3+ 0.79	0.51		0	<20	P 2
108	119	C	TEC-TEH	TEC-TEH		00060	610HS	BW1+ 1.80	0.49		0	<20	P 2
122	119	H	08H-VS2	08H-VS3		00158	580CP	BW1+ 2.08	0.30		0	<20	P 2
		H	08H-VS2	08H-VS3		00158	580CP	VS1- 0.91	0.60		0	<20	P 2
124	119	H	08H-VS2	08H-VS2		00155	580CP	09H+ 0.92	1.09		0	23	P 2
		H	08H-VS2	08H-VS2		00155	580CP	VS1- 0.56	0.39		0	<20	P 2
132	119	H	08H-VS3	08H-VS3		00155	580CP	VS1+ 0.78	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00155	580CP	VS3+ 1.17	0.28		0	<20	P 2
150	119	C	TEC-TEH	TEC-TEH		00010	610HS	VS7+ 0.90	1.44		0	33	P 2
89	120	C	TEC-TEH	TEC-TEH		00060	610HS	BW1+ 2.15	0.32		0	<20	P 2
101	120	C	TEC-TEH	TEC-TEH		00060	610HS	BW1- 2.09	0.34		0	<20	P 2
119	120	H	08H-VS3	08H-VS3		00155	580CP	BW1+ 1.55	0.63		0	<20	P 2
123	120	H	08H-VS2	08H-VS2		00153	580CP	VS1- 0.97	0.25		0	<20	P 2
125	120	H	08H-VS2	08H-VS2		00159	580CP	09H+ 0.94	0.58		0	<20	P 2
127	120	H	08H-VS3	08H-VS3		00155	580CP	BW1+ 1.75	0.23		0	<20	P 2
133	120	H	08H-VS3	08H-VS3		00159	580CP	09H- 0.32	0.38		0	<20	P 2
143	120	H	08H-VS3	08H-VS3		00155	580CP	VS1- 0.82	0.57		0	<20	P 2
		H	08H-VS3	08H-VS3		00155	580CP	VS3- 0.49	0.38		0	<20	P 2

CONAM NUCLEAR, INC.

中華民國二十九年

四月十四日



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
149	120	C	TEC-TEH	TEC-TEH		00010	610HS	BW1+ 2.13	0.62		0	<20	P 2
151	120	C	TEC-TEH	TEC-TSH		00013	610HS	09H+ 0.85	0.35		0	<20	P 2
96	121	C	TEC-TEH	TEC-TEH		00060	610HS	BW1- 2.15	0.29		0	<20	P 2
110	121	C	TEC-TEH	TEC-TEH		00060	610HS	BW1+ 2.18	0.80		0	23	P 2
114	121	H	08H-VS3	08H-VS3		00031	580CP	BW1+ 1.93	0.43		0	<20	P 2
116	121	H	08H-VS3	08H-VS3		00032	580CP	VS2+ 0.91	0.20		0	<20	P 2
118	121	H	08H-VS3	08H-VS3		00033	580CP	09H- 0.84	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3		00031	580CP	09H+ 0.79	0.67		0	<20	P 2
120	121	H	08H-VS3	08H-VS3		00159	580CP	09H+ 0.82	0.58		0	<20	P 2
122	121	H	08H-VS2	08H-VS2		00155	580CP	VS1- 0.86	0.77		0	<20	P 2
124	121	H	08H-VS2	08H-VS2		00158	580CP	BW1- 2.13	0.25		0	<20	P 2
132	121	H	08H-VS3	08H-VS3		00032	580CP	VS1+ 0.77	0.63		0	<20	P 2
148	121	C	TEC-TEH	TEC-TEH		00010	610HS	BW1+ 2.25	0.85		0	22	P 2
152	121	C	TEC-TEH	TEC-TEH		00010	610HS	BW2+ 2.12	0.80		0	21	P 2
91	122	C	TEC-TEH	TEC-TEH		00061	610HS	BW1+ 2.05	0.89		0	<20	P 2
103	122	C	TEC-TEH	TEC-TEH		00061	610HS	BW1- 2.08	0.38		0	<20	P 2
107	122	C	TEC-TEH	TEC-TEH		00061	610HS	BW1+ 1.75	0.32		0	<20	P 2
113	122	H	08H-VS3	08H-VS3		00187	580CP	BW1- 2.11	0.64		0	<20	P 2
115	122	H	08H-VS3	08H-VS3		00031	580CP	BW1+ 1.79	0.33		0	<20	P 2
117	122	H	08H-VS3	08H-VS3		00032	580CP	09H- 0.80	1.20		0	23	P 2
99	122	H	08H-VS3	08H-VS3		00034	580CP	BW1+ 1.16	0.52		0	<20	P 2
121	122	H	08H-VS3	08H-VS3		00158	580CP	BW1- 1.84	0.38		0	<20	P 2
123	122	H	08H-VS2	08H-VS3		00031	580CP	09H- 0.92	0.18		0	<20	P 2
133	122	H	08H-VS3	08H-BW1		00032	580CP	BW1+ 2.13	0.30		0	<20	P 2
147	122	C	TEC-TEH	TEC-TEH		00008	610HS	BW2+ 1.83	0.56		0	<20	P 2
112	123	H	08H-VS3	08H-VS3		00187	580CP	BW1+ 1.98	0.69		0	<20	P 2
114	123	H	08H-VS3	08H-VS3		00031	580CP	BW1+ 2.00	0.54		0	<20	P 2
116	123	H	08H-VS3	08H-VS3		00032	580CP	BW1+ 1.85	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3		00032	580CP	VS3+ 0.88	0.53		0	<20	P 2
118	123	H	08H-VS3	08H-VS3		00035	580CP	09H- 1.00	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00035	580CP	09H+ 0.19	0.22		0	<20	P 2
120	123	H	08H-VS3	08H-VS3		00035	580CP	BW1+ 2.00	0.31		0	<20	P 2
126	123	H	08H-VS3	08H-VS3		00035	580CP	09H- 1.00	0.31		0	<20	P 2
136	123	H	08H-VS3	08H-VS3		00032	580CP	BW1- 1.84	0.32		0	<20	P 2
146	123	C	TEC-TEH	TEC-TEH		00008	610HS	BW1- 1.78	0.57		0	<20	P 2
150	123	C	TEC-TEH	TEC-TEH		00008	610HS	BW1- 1.79	0.52		0	<20	P 2
93	124	C	TEC-TEH	TEC-TEH		00058	610HS	VS2- 0.78	0.52		0	<20	P 2
97	124	C	TEC-TEH	TEC-TEH		00058	610HS	08H+ 0.73	0.39		0	<20	P 2
107	124	C	TEC-TEH	TEC-TEH		00059	610HS	BW2+ 2.00	0.80		0	23	P 2
109	124	C	TEC-TEH	TEC-TEH		00058	610HS	BW1+ 2.00	0.20		0	<20	P 2
115	124	H	08H-VS3	08H-VS3		00031	580CP	BW1+ 1.75	0.39		0	<20	P 2
117	124	H	08H-VS3	08H-VS3		00032	580CP	08H+ 0.75	0.61		0	<20	P 2
		H	08H-VS3	08H-VS3		00032	580CP	09H+ 0.70	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3		00032	580CP	09H+ 1.49	0.41		0	<20	P 2
		H	08H-VS3	08H-VS3		00032	580CP	BW1+ 1.83	0.32		0	<20	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 32 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		VOLTS	CURRENT			
			PROGRAM	ACTUAL							MIL	DEG	%	CH
119	124	H	08H-VS3	08H-VS3		00035	580CP	09H+	0.94	0.36		0	<20	P 2
		H	08H-VS3	08H-VS3		00035	580CP	BW1-	2.03	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00035	580CP	BW1+	1.83	0.39		0	<20	P 2
121	124	H	08H-VS3	08H-VS3		00035	580CP	BW1+	1.99	0.30		0	<20	P 2
141	124	H	08H-VS3	08H-VS3		00037	580CP	VS3+	0.84	0.41		0	<20	P 2
147	124	C	TEC-TEH	TEC-TEH		00008	610HS	BW1+	1.87	0.39		0	<20	P 2
149	124	C	TEC-TEH	TEC-TEH		00011	610HS	BW1+	2.00	0.32		0	<20	P 2
94	125	C	TEC-TEH	TEC-TEH		00059	610HS	08H+	0.96	0.33		0	<20	P 2
100	125	C	TEC-TEH	TEC-TEH		00059	610HS	BW1-	2.00	0.28		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00059	610HS	BW1+	1.89	0.26		0	<20	P 2
110	125	C	TEC-TEH	TEC-TSH		00058	610HS	06C+	0.72	0.21		0	<20	P 2
116	125	H	08H-VS3	08H-VS3		00031	580CP	09H-	0.60	0.88		0	<20	P 2
118	125	H	08H-VS3	08H-VS3		00159	580CP	09H-	1.00	0.42		0	<20	P 2
		H	08H-VS3	08H-VS3		00159	580CP	BW1+	1.84	0.33		0	<20	P 2
120	125	H	08H-VS3	08H-VS3		00159	580CP	09H+	0.69	0.34		0	<20	P 2
142	125	H	08H-VS3	08H-VS3		00160	580CP	VS1-	1.08	0.55		0	<20	P 2
89	126	C	TEC-TEH	TEC-TEH		00058	610HS	08H+	0.88	0.45		0	<20	P 2
93	126	C	TEC-TEH	TEC-TEH		00058	610HS	08H+	0.89	0.51		0	<20	P 2
97	126	C	TEC-TEH	TEC-TEH		00058	610HS	08H+	0.91	0.50		0	<20	P 2
99	126	C	TEC-TEH	TEC-TEH		00059	610HS	08H+	0.95	0.37		0	<20	P 2
3	126	C	TEC-TEH	TEC-TEH		00059	610HS	08H+	0.81	0.35		0	<20	P 2
13	126	H	08H-VS3	08H-VS3		00029	580CP	BW1+	1.83	0.38		0	<20	P 2
117	126	H	08H-VS3	08H-VS3		00187	580CP	BW1+	1.75	0.66		0	<20	P 2
119	126	H	08H-VS3	08H-VS3		00159	580CP	09H-	0.19	0.98		0	20	P 2
		H	08H-VS3	08H-VS3		00159	580CP	BW1+	1.75	0.55		0	<20	P 2
121	126	H	08H-VS3	08H-VS3		00162	580CP	BW1+	1.89	0.22		0	<20	P 2
125	126	H	08H-VS2	08H-VS3		00160	580CP	09H+	0.96	0.27		0	<20	P 2
133	126	H	08H-VS3	08H-VS3		00218	580TP	BW1+	1.75	0.24		0	<20	P 2
135	126	H	08H-VS3	08H-VS3		00159	580CP	BW1+	2.20	0.23		0	<20	P 2
141	126	H	08H-VS3	08H-VS3		00160	580CP	09H+	0.00	0.42		0	<20	P 2
		H	08H-VS3	08H-VS3		00160	580CP	VS1+	1.00	0.39		0	<20	P 2
143	126	H	08H-VS3	08H-VS3		00161	580CP	BW1+	1.78	0.36		0	<20	P 2
147	126	C	TEC-TEH	TEC-TEH		00008	610HS	BW1+	2.08	0.26		0	<20	P 2
149	126	H	BW1-BW1	BW1-BW1		00192	610BC	BW1+	1.05	0.69		0	<20	P 2
		H	BW1-BW1	BW1-BW1		00192	610BC	BW1+	2.10	0.39		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00011	610HS	VS3-	0.86	0.37		0	<20	P 2
94	127	C	TEC-TEH	TEC-TEH		00059	610HS	BW1-	1.75	0.20		0	<20	P 2
100	127	C	TEC-TEH	TEC-TEH		00058	610HS	BW1+	1.90	0.58		0	<20	P 2
106	127	C	TEC-TEH	TEC-TEH		00059	610HS	08H-	0.24	0.20		0	<20	P 2
108	127	H	BW1-BW1	BW1-BW1		00192	610BC	BW1+	1.29	0.26		0	<20	P 2
		H	BW1-BW1	BW1-BW1		00192	610BC	BW1+	1.65	0.47		0	<20	P 2
110	127	C	TEC-TEH	TEC-TEH		00058	610HS	BW1+	2.20	0.43		0	<20	P 2
114	127	H	08H-VS3	08H-VS3		00029	580CP	BW1+	1.87	0.36		0	<20	P 2
116	127	H	08H-VS3	08H-VS3		00031	580CP	BW1+	1.78	0.25		0	<20	P 2
120	127	H	08H-VS3	08H-VS3		00163	580CP	BW1+	2.00	0.50		0	<20	P 2

CONAM NUCLEAR, INC.



10/10/10



10/10/10



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
124	127	H	08H-VS2	08H-VS2		00163	580CP	09H+	0.06	0.48		0	<20	P 2
130	127	H	08H-VS3	08H-VS3		00163	580CP	09H+	0.04	0.77		0	<20	P 2
		H	08H-VS3	08H-VS3		00163	580CP	BW1-	2.04	0.71		0	<20	P 2
		H	08H-VS3	08H-VS3		00163	580CP	VS1-	1.01	0.28		0	<20	P 2
87	128	C	TEC-TEH	TEC-TEH		00059	610HS	BW1+	1.77	0.55		0	<20	P 2
89	128	C	TEC-TEH	TEC-TEH		00058	610HS	BW1+	2.05	0.50		0	<20	P 2
97	128	C	TEC-TEH	TEC-TEH		00058	610HS	08H-	0.18	0.26		0	<20	P 2
99	128	C	TEC-TEH	TEC-TEH		00059	610HS	08H+	0.83	0.35		0	<20	P 2
101	128	C	TEC-TEH	TEC-TEH		00058	610HS	08H+	0.66	0.55		0	<20	P 2
105	128	C	TEC-TEH	TEC-TEH		00058	610HS	08H+	0.85	0.63		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00058	610HS	BW1+	2.20	0.28		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00058	610HS	VS2-	0.81	0.20		0	<20	P 2
109	128	C	TEC-TEH	TEC-TEH		00058	610HS	BW1-	2.25	0.43		0	<20	P 2
119	128	H	08H-VS3	08H-VS3		00164	580CP	BW1+	1.83	0.33		0	<20	P 2
121	128	H	08H-VS3	08H-VS3		00161	580CP	09H-	0.88	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3		00161	580CP	BW1+	1.91	0.31		0	<20	P 2
129	128	H	08H-VS3	08H-VS3		00163	580CP	08H-	1.00	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3		00163	580CP	09H-	0.81	0.36		0	<20	P 2
		H	08H-VS3	08H-VS3		00163	580CP	BW1-	1.86	0.80		0	<20	P 2
		H	08H-VS3	08H-VS3		00163	580CP	VS1-	1.00	0.48		0	<20	P 2
1	128	H	08H-VS3	08H-VS3		00165	580CP	VS1-	1.05	0.40		0	<20	P 2
86	129	C	TEC-TEH	TEC-TEH		00059	610HS	BW1+	1.96	0.43		0	<20	P 2
88	129	C	TEC-TEH	TEC-TEH		00058	610HS	BW1+	2.25	0.43		0	<20	P 2
102	129	C	TEC-TEH	TEC-TEH		00059	610HS	08H+	0.83	0.17		0	<20	P 2
106	129	C	TEC-TEH	TEC-TEH		00059	610HS	08H+	0.84	0.31		0	<20	P 2
110	129	C	TEC-TEH	TEC-TEH		00058	610HS	BW1+	2.01	0.65		0	21	P 2
114	129	H	08H-VS3	08H-VS3		00031	580CP	VS2-	1.01	0.36		0	<20	P 2
120	129	H	08H-VS3	08H-VS3		00163	580CP	09H+	0.71	1.48		0	28	P 2
		H	08H-VS3	08H-VS3		00163	580CP	BW1+	2.00	1.07		0	23	P 2
122	129	H	08H-VS2	08H-VS5		00161	580CP	VS1-	0.82	0.63		0	<20	P 2
132	129	H	08H-VS3	08H-VS3		00161	580CP	VS1-	1.10	0.38		0	<20	P 2
134	129	H	08H-VS3	08H-VS3		00163	580CP	BW1+	1.50	0.32		0	<20	P 2
		H	08H-VS3	08H-VS3		00163	580CP	VS1-	1.00	0.47		0	<20	P 2
144	129	C	TEC-TEH	TEC-TEH		00011	610HS	VS1+	0.82	0.59		0	<20	P 2
85	130	C	TEC-TEH	TEC-TEH		00059	610HS	BW1+	1.84	0.55		0	<20	P 2
87	130	C	TEC-TEH	TEC-TEH		00059	610HS	VS3+	0.71	0.36		0	<20	P 2
91	130	C	TEC-TEH	TEC-TEH		00059	610HS	07H+	0.94	0.29		0	<20	P 2
93	130	C	TEC-TEH	TEC-TEH		00058	610HS	BW1+	2.25	0.38		0	<20	P 2
95	130	C	TEC-TEH	TEC-TEH		00059	610HS	08H+	0.76	0.28		0	<20	P 2
97	130	C	TEC-TEH	TEC-TEH		00058	610HS	08H+	0.70	0.70		0	20	P 2
99	130	C	TEC-TEH	TEC-TSH		00059	610HS	BW1-	2.07	0.84		0	24	P 2
101	130	C	TEC-TEH	TEC-TEH		00058	610HS	08H+	0.76	0.37		0	<20	P 2
105	130	C	TEC-TEH	TEC-TEH		00058	610HS	BW1+	2.00	0.52		0	<20	P 2
111	130	H	08H-VS3	08H-VS3		00187	580CP	08H-	0.24	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3		00187	580CP	08H+	0.73	0.64		0	<20	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
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STEAM GENERATOR : 31
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
111	130	H	08H-VS3	08H-VS3		00187	580CP	08H+ 0.80	0.40		0	<20	P 2
117	130	H	08H-VS3	08H-VS3		00027	580CP	09H- 0.92	0.36		0	<20	P 2
119	130	H	08H-VS3	08H-VS3		00163	580CP	09H+ 1.08	1.92		0	33	P 2
		H	08H-VS3	08H-VS3		00163	580CP	BW1+ 1.94	0.39		0	<20	P 2
121	130	H	08H-VS3	08H-VS3		00163	580CP	BW1+ 2.00	0.45		0	<20	P 2
129	130	H	08H-VS3	08H-VS3		00163	580CP	BW1+ 1.85	0.32		0	<20	P 2
131	130	H	08H-VS3	08H-VS3		00163	580CP	BW1- 1.80	0.37		0	<20	P 2
133	130	H	08H-VS3	08H-VS3		00164	580CP	VS1+ 1.08	0.39		0	<20	P 2
86	131	H	08H-BW1	08H-BW1	1	00268	580BC	08H- 0.88	0.55		0	<20	P 2
		H	08H-BW1	08H-BW1	1	00268	580BC	08H+ 0.20	0.54		0	<20	P 2
88	131	C	TEC-TEH	TEC-TEH		00058	610HS	08H+ 0.67	0.55		0	<20	P 2
92	131	C	TEC-TEH	TEC-TEH		00058	610HS	08H+ 0.77	0.59		0	<20	P 2
		H	08H-BW1	08H-BW1	1	00192	610BC	08H+ 0.79	0.74		0	<20	P 2
		H	08H-BW1	08H-BW1	1	00192	610BC	BW1- 1.89	0.49		0	<20	P 2
94	131	C	TEC-TEH	TEC-TEH		00058	610HS	BW1- 2.25	0.41		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00058	610HS	BW1+ 2.00	0.70		0	22	P 2
96	131	H	08H-VS3	08H-VS3		00030	580CP	BW1- 1.79	0.45		0	<20	P 2
		H	08H-VS3	08H-VS3		00030	580CP	BW1+ 0.62	0.22		0	<20	P 2
98	131	H	08H-VS3	08H-VS3		00029	580CP	BW1- 1.87	0.71		0	<20	P 2
		H	08H-VS3	08H-VS3		00029	580CP	BW1+ 1.78	0.61		0	<20	P 2
100	131	H	08H-VS3	08H-VS3		00031	580CP	VS2- 0.97	0.90		0	<20	P 2
		H	08H-VS3	08H-VS3		00031	580CP	VS2+ 0.82	0.37		0	<20	P 2
104	131	H	08H-VS3	08H-VS3		00187	580CP	BW1- 2.25	0.23		0	<20	P 2
		H	08H-VS3	08H-VS3		00187	580CP	BW1+ 2.04	0.47		0	<20	P 2
116	131	H	08H-VS3	08H-BW1		00027	580CP	08H+ 27.09	0.42		0	SVI	P 2
		H	08H-VS3	BW1-VS3		00224	580BC	BW1+ 1.66	0.38		0	<20	P 2
		H	08H-VS3	08H-BW1		00027	580CP	BW1+ 1.81	0.37		0	<20	P 2
122	131	H	08H-VS2	08H-VS2		00167	580CP	VS1- 1.01	0.58		0	<20	P 2
124	131	H	08H-VS2	07H-VS2		00166	580CP	09H+ 0.09	0.45		0	<20	P 2
126	131	H	08H-VS3	08H-VS3		00168	580CP	BW1+ 1.80	0.50		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	BW1+ 1.80	0.50		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	VS1+ 0.90	0.46		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	VS1+ 0.90	0.46		0	<20	P 2
130	131	H	08H-VS3	08H-VS3		00166	580CP	BW1- 1.88	0.40		0	<20	P 2
132	131	H	08H-VS3	08H-VS3		00166	580CP	VS1- 1.00	0.35		0	<20	P 2
140	131	H	08H-VS3	08H-VS3		00163	580CP	BW1+ 2.05	0.41		0	<20	P 2
		H	08H-VS3	08H-VS3		00163	580CP	VS1- 0.53	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3		00163	580CP	VS3+ 1.00	2.88		0	39	P 2
85	132	C	TEC-TEH	TEC-TSH		00059	610HS	VS3- 0.66	0.55		0	<20	P 2
		C	TEC-TEH	TEC-TSH		00059	610HS	VS3+ 0.84	0.60		0	<20	P 2
87	132	C	TEC-TEH	TEC-TEH		00058	610HS	BW1+ 2.18	0.23		0	<20	P 2
91	132	H	08H-08H	08H-08H		00192	610BC	08H+ 0.67	1.07		0	23	P 2
		C	TEC-TEH	TEC-TEH		00058	610HS	BW1+ 2.06	0.60		0	<20	P 2
95	132	H	08H-VS3	08H-VS3		00029	580CP	08H+ 0.77	0.48		0	<20	P 2
		H	08H-VS3	08H-VS3		00029	580CP	BW1- 1.95	0.83		0	20	P 2

CONAM NUCLEAR, INC.



01/11/13

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STEAM GENERATOR : 31
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
95	132	H	08H-VS3	08H-VS3		00029	580CP	BW1+	1.82	0.68		0	<20	P 2
97	132	H	08H-VS3	08H-VS3		00027	580CP	08H-	0.22	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3		00027	580CP	08H+	0.84	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3		00027	580CP	VS2-	0.74	0.13		0	<20	P 2
99	132	H	08H-VS3	08H-VS3		00027	580CP	08H+	0.84	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3		00027	580CP	BW1-	1.92	0.36		0	<20	P 2
		H	08H-VS3	08H-VS3		00027	580CP	BW1+	1.87	0.30		0	<20	P 2
101	132	H	08H-VS3	08H-VS3		00187	580CP	08H-	0.96	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00187	580CP	08H-	0.17	0.45		0	<20	P 2
103	132	H	08H-VS3	08H-VS3		00029	580CP	08H+	0.82	0.41		0	<20	P 2
		H	08H-VS3	08H-VS3		00029	580CP	BW1-	2.00	0.50		0	<20	P 2
113	132	H	08H-VS3	08H-VS3		00187	580CP	BW1+	1.81	0.51		0	<20	P 2
		H	08H-VS3	08H-VS3		00187	580CP	VS2-	1.03	0.26		0	<20	P 2
115	132	H	08H-VS3	08H-VS3		00027	580CP	VS2-	0.90	0.34		0	<20	P 2
119	132	H	08H-VS3	08H-VS3		00168	580CP	09H+	0.84	2.00		0	35	P 2
		H	08H-VS3	08H-VS3		00168	580CP	09H+	0.84	2.00		0	35	P 2
		H	08H-VS3	08H-VS3		00168	580CP	BW1+	2.00	0.42		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	BW1+	2.00	0.42		0	<20	P 2
121	132	H	08H-VS3	08H-VS3		00168	580CP	08H+	0.84	0.67		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	08H+	0.84	0.67		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	09H-	0.10	1.45		0	26	P 2
		H	08H-VS3	08H-VS3		00168	580CP	09H-	0.10	1.45		0	26	P 2
		H	08H-VS3	08H-VS3		00168	580CP	BW1+	1.65	1.09		0	21	P 2
		H	08H-VS3	08H-VS3		00168	580CP	BW1+	1.65	1.09		0	21	P 2
123	132	H	08H-VS2	08H-VS2		00168	580CP	BW1+	1.75	0.45		0	<20	P 2
		H	08H-VS2	08H-VS2		00168	580CP	BW1+	1.75	0.45		0	<20	P 2
127	132	H	08H-VS3	08H-VS3		00168	580CP	09H+	1.11	0.37		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	09H+	1.11	0.37		0	<20	P 2
131	132	H	08H-VS3	08H-VS3		00166	580CP	VS1+	0.69	0.38		0	<20	P 2
133	132	H	08H-VS3	08H-VS3		00168	580CP	08H+	0.61	0.23		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	08H+	0.61	0.23		0	<20	P 2
145	132	C	TEC-TEH	TEC-TEH		00011	610HS	BW1-	1.78	0.76		0	21	P 2
90	133	C	TEC-TEH	TEC-TEH		00056	610HS	08H+	0.90	0.58		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	2.23	0.60		0	20	P 2
92	133	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	1.99	1.41		0	33	P 2
94	133	C	TEC-TEH	TEC-TEH		00056	610HS	BW1-	2.25	0.38		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	2.01	1.30		0	32	P 2
96	133	H	08H-VS3	08H-VS3		00027	580CP	BW1+	1.59	0.75		0	20	P 2
100	133	H	08H-VS3	08H-VS3		00187	580CP	08H-	0.86	0.42		0	<20	P 2
		H	08H-VS3	08H-VS3		00187	580CP	08H-	0.04	0.62		0	<20	P 2
		H	08H-VS3	08H-VS3		00187	580CP	VS2+	0.97	1.47		0	26	P 2
102	133	H	08H-VS3	08H-VS3		00027	580CP	08H+	0.73	0.19		0	<20	P 2
104	133	H	08H-VS3	08H-VS3		00026	580CP	08H+	0.69	0.46		0	<20	P 2
108	133	H	08H-VS3	08H-VS3		00187	580CP	08H-	0.14	0.44		0	<20	P 2
118	133	H	08H-VS3	08H-BW1		00168	580CP	09H+	1.07	0.64		0	<20	P 2

CONAM NUCLEAR, INC.

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SECTION VARIABLES: Percent

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DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
118	133	H	08H-VS3	08H-BW1		00168	580CP	09H+	1.07	0.64		0	<20	P 2
		H	08H-VS3	08H-BW1		00168	580CP	BW1-	1.79	0.30		0	<20	P 2
		H	08H-VS3	08H-BW1		00168	580CP	BW1-	1.79	0.30		0	<20	P 2
120	133	H	08H-VS3	08H-VS3		00169	580CP	BW1+	1.63	0.43		0	<20	P 2
122	133	H	08H-VS2	08H-VS2		00170	580CP	VS1+	0.81	0.54		0	<20	P 2
128	133	H	08H-VS3	08H-VS3		00168	580CP	09H-	0.14	0.61		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	09H-	0.14	0.61		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	BW1-	1.80	0.49		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	BW1-	1.80	0.49		0	<20	P 2
130	133	H	08H-VS3	08H-VS3		00169	580CP	BW1-	1.89	0.33		0	<20	P 2
132	133	H	08H-VS3	08H-VS3		00170	580CP	BW1-	2.18	0.22		0	<20	P 2
		H	08H-VS3	08H-VS3		00170	580CP	VS1+	0.71	0.30		0	<20	P 2
134	133	H	08H-VS3	08H-VS3		00166	580CP	BW1-	1.80	0.37		0	<20	P 2
136	133	H	08H-VS3	08H-VS3		00168	580CP	BW1-	1.98	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3		00168	580CP	BW1-	1.98	0.40		0	<20	P 2
138	133	H	08H-VS3	08H-VS3		00169	580CP	BW1-	2.01	0.27		0	<20	P 2
140	133	C	TEC-TEH	TEC-TEH		00066	610HS	BW1+	2.00	0.52		0	<20	P 2
85	134	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	2.02	0.81		0	24	P 2
87	134	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	2.17	0.89		0	26	P 2
91	134	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	1.88	1.05		0	28	P 2
5	134	H	08H-VS3	08H-VS3		00026	580CP	08H-	0.22	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3		00026	580CP	BW1-	1.95	1.79		0	32	P 2
		H	08H-VS3	08H-VS3		00026	580CP	BW1+	1.80	2.03		0	33	P 2
101	134	H	08H-VS3	08H-VS3		00023	580CP	08H+	0.94	0.42		0	<20	P 2
113	134	H	08H-VS3	08H-VS3		00026	580CP	BW1+	1.78	0.39		0	<20	P 2
117	134	H	08H-VS3	08H-VS3		00027	580CP	09H+	0.69	0.71		0	<20	P 2
		H	08H-VS3	08H-VS3		00027	580CP	BW1-	1.95	0.32		0	<20	P 2
119	134	H	08H-VS3	08H-VS3		00170	580CP	09H+	0.85	1.17		0	24	P 2
121	134	H	08H-VS3	08H-VS3		00170	580CP	BW1-	1.97	0.47		0	<20	P 2
125	134	H	08H-VS2	08H-VS2		00169	580CP	09H-	0.95	0.25		0	<20	P 2
129	134	H	08H-VS3	08H-VS3		00170	580CP	BW1-	1.76	0.50		0	<20	P 2
86	135	C	TEC-TEH	TEC-TEH		00056	610HS	BW1-	2.22	0.21		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	1.83	0.70		0	22	P 2
88	135	C	TEC-TEH	TSC-TEH		00056	610HS	08H+	0.89	1.11		0	29	P 2
90	135	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	2.00	0.34		0	<20	P 2
92	135	C	TEC-TEH	TEC-TEH		00056	610HS	07H+	0.87	1.05		0	26	P 2
		C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	2.17	1.61		0	35	P 2
94	135	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	2.00	1.31		0	32	P 2
96	135	H	08H-VS3	08H-VS3		00026	580CP	BW1-	2.00	0.77		0	<20	P 2
		H	08H-VS3	08H-VS3		00026	580CP	BW1+	1.96	2.35		0	36	P 2
98	135	H	08H-VS3	08H-VS3		00025	580CP	BW1-	2.08	1.32		0	29	P 2
		H	08H-VS3	08H-VS3		00025	580CP	BW1+	2.00	0.74		0	<20	P 2
102	135	H	08H-VS3	08H-VS3		00026	580CP	BW1-	1.91	0.67		0	<20	P 2
104	135	H	08H-VS3	08H-VS3		00025	580CP	08H+	0.79	0.73		0	<20	P 2
		H	08H-VS3	08H-VS3		00025	580CP	BW1-	2.00	0.38		0	<20	P 2

CONAM NUCLEAR, INC.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 37 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
106	135	H	08H-VS3	08H-VS3		00024	580CP	08H-	0.18	0.33		0	<20	P 2
110	135	H	08H-VS3	08H-VS3		00026	580CP	VS2-	1.00	0.55		0	<20	P 2
116	135	H	08H-VS3	08H-VS3		00023	580CP	BW1-	1.97	0.52		0	<20	P 2
118	135	H	08H-VS3	08H-VS3		00171	580CP	BW1-	1.70	0.87		0	20	P 2
120	135	H	08H-VS3	08H-VS3		00172	580CP	09H+	0.90	0.61		0	<20	P 2
		H	08H-VS3	08H-VS3		00172	580CP	BW1-	1.87	0.37		0	<20	P 2
122	135	H	08H-VS2	08H-VS3		00170	580CP	BW1-	2.13	0.53		0	<20	P 2
128	135	H	08H-VS3	08H-VS3		00169	580CP	BW1-	1.78	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00169	580CP	VS1+	0.92	0.21		0	<20	P 2
130	135	H	08H-VS3	08H-VS3		00170	580CP	BW1-	1.95	0.56		0	<20	P 2
132	135	H	08H-VS3	08H-BW1		00171	580CP	BW1-	1.60	0.46		0	<20	P 2
134	135	H	08H-VS3	08H-VS3		00171	580CP	BW1-	1.77	0.44		0	<20	P 2
140	135	C	TEC-TEH	TEC-TEH		00009	610HS	BW1+	1.80	0.34		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00009	610HS	VS1-	0.84	0.45		0	<20	P 2
85	136	C	TEC-TEH	TEC-TEH		00057	610HS	BW1-	1.79	0.26		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1+	2.00	0.96		0	25	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	VS3-	0.97	0.35		0	<20	P 2
91	136	C	TEC-TEH	TEC-TEH		00057	610HS	08H+	0.73	0.61		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1+	2.00	0.57		0	<20	P 2
93	136	C	TEC-TEH	TEC-TSH		00056	610HS	BW1+	2.22	0.88		0	26	P 2
5	136	H	08H-VS3	08H-VS3		00026	580CP	BW1-	2.00	0.93		0	21	P 2
		H	08H-VS3	08H-VS3		00026	580CP	BW1+	1.80	2.81		0	39	P 2
97	136	H	08H-VS3	BW1-VS3		00025	580CP	BW1-	1.85	2.37		0	39	P 2
		H	08H-VS3	BW1-VS3		00025	580CP	BW1+	1.92	1.94		0	35	P 2
99	136	H	08H-VS3	08H-VS3		00024	580CP	BW1-	2.26	0.98		0	20	P 2
101	136	H	08H-VS3	08H-VS3		00023	580CP	08H-	0.25	0.45		0	<20	P 2
		H	08H-VS3	08H-VS3		00023	580CP	BW1-	2.01	1.69		0	36	P 2
105	136	H	08H-VS3	08H-VS3		00025	580CP	BW1+	1.78	0.84		0	21	P 2
107	136	H	08H-VS3	08H-VS3		00024	580CP	BW1+	1.90	0.76		0	<20	P 2
109	136	H	08H-VS3	08H-VS3		00023	580CP	BW1-	1.95	0.56		0	<20	P 2
		H	08H-VS3	08H-VS3		00023	580CP	BW1+	1.75	1.15		0	26	P 2
111	136	H	08H-VS3	08H-VS3		00026	580CP	BW1+	1.82	0.49		0	<20	P 2
117	136	H	08H-VS3	08H-VS3		00023	580CP	09H+	0.73	0.49		0	<20	P 2
		H	08H-VS3	08H-VS3		00023	580CP	BW1-	1.95	0.98		0	24	P 2
119	136	H	08H-VS3	08H-VS3		00170	580CP	BW1-	1.90	0.33		0	<20	P 2
123	136	H	08H-VS2	08H-VS2		00172	580CP	BW1+	2.04	0.29		0	<20	P 2
125	136	H	08H-VS2	08H-BW1		00169	580CP	BW1-	1.84	0.36		0	<20	P 2
		H	08H-VS2	08H-BW1		00169	580CP	BW1+	1.76	0.21		0	<20	P 2
127	136	H	08H-VS3	08H-VS3		00170	580CP	BW1+	1.80	0.36		0	<20	P 2
		H	08H-VS3	08H-VS3		00170	580CP	VS1+	0.42	0.38		0	<20	P 2
129	136	H	08H-VS3	08H-VS3		00171	580CP	BW1+	1.91	0.39		0	<20	P 2
131	136	H	08H-VS3	08H-VS3		00172	580CP	BW1+	1.40	0.61		0	<20	P 2
133	136	H	08H-VS3	08H-VS5		00169	580CP	BW1-	1.95	0.30		0	<20	P 2
141	136	H	BW1-VS1	BW1-VS1		00194	580TP	BW1+	1.68	0.34		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00008	610HS	BW1+	2.23	0.33		0	<20	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		VOLTS	CURRENT			
			PROGRAM	ACTUAL							MIL	DEG	%	CH
86	137	C	TEC-TEH	TEC-TEH		00057	610HS	BW1+	2.00	1.08		0	25	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	VS3-	1.06	1.11		0	27	P 2
88	137	C	TEC-TEH	TEC-TEH		00056	610HS	BW1-	2.18	0.52		0	<20	P 2
90	137	C	TEC-TEH	TEC-TEH		00057	610HS	08H+	0.68	0.75		0	21	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1-	2.16	0.34		0	<20	P 2
92	137	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	2.00	1.09		0	29	P 2
94	137	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	2.00	0.31		0	<20	P 2
96	137	H	08H-VS3	08H-VS3		00026	580CP	BW1-	2.00	1.09		0	23	P 2
98	137	H	08H-VS3	08H-VS3		00025	580CP	BW1-	2.04	1.19		0	26	P 2
100	137	H	08H-VS3	08H-VS3		00024	580CP	BW1-	2.23	1.30		0	25	P 2
102	137	C	TEC-TEH	TEC-TEH	2	00083	610HS	BW1-	2.03	0.27		0	<20	P 2
		H	08H-VS3	08H-VS3		00026	580CP	BW1-	1.99	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00026	580CP	BW1+	2.37	0.49		0	SVI	P 2
104	137	H	08H-VS3	08H-VS3		00025	580CP	BW1-	1.79	0.89		0	22	P 2
106	137	H	08H-VS3	08H-VS3		00024	580CP	BW1+	1.73	1.15		0	23	P 2
108	137	H	08H-VS3	08H-VS3		00023	580CP	BW1-	1.88	0.18		0	<20	P 2
		H	08H-VS3	08H-VS3		00023	580CP	BW1+	1.65	0.58		0	<20	P 2
110	137	H	08H-VS3	08H-VS3		00026	580CP	BW1+	1.89	0.40		0	<20	P 2
112	137	H	08H-VS3	08H-VS3		00025	580CP	BW1+	1.81	0.42		0	<20	P 2
114	137	H	08H-VS3	08H-VS3		00024	580CP	BW1+	1.68	0.60		0	<20	P 2
116	137	H	08H-VS3	08H-BW1		00023	580CP	09H-	0.70	1.39		0	30	P 2
		H	08H-VS3	08H-VS3		00184	580CP	09H-	0.62	2.43		0	38	P 2
		H	08H-VS3	08H-VS3		00184	580CP	BW1-	1.51	0.52		0	<20	P 2
		H	08H-VS3	08H-BW1		00023	580CP	BW1-	1.39	0.25		0	<20	P 2
124	137	H	08H-VS2	07H-VS2		00169	580CP	BW1+	1.75	0.25		0	<20	P 2
126	137	H	08H-VS3	08H-VS3		00170	580CP	09H+	0.97	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3		00170	580CP	BW1+	1.63	0.39		0	<20	P 2
128	137	H	08H-VS3	08H-VS3		00170	580CP	BW1-	1.73	0.39		0	<20	P 2
		H	08H-VS3	08H-VS3		00170	580CP	BW1+	1.78	0.71		0	<20	P 2
130	137	H	08H-VS3	08H-BW1		00171	580CP	BW1+	1.79	0.44		0	<20	P 2
85	138	C	TEC-TEH	TEC-TEH		00057	610HS	BW1+	2.19	0.48		0	<20	P 2
87	138	C	TEC-TEH	TEC-TEH		00057	610HS	08H-	0.06	0.63		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1-	2.00	0.47		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1+	2.04	0.26		0	<20	P 2
95	138	H	08H-VS3	08H-VS3		00026	580CP	08H-	0.77	0.29		0	<20	P 2
		H	08H-VS3	08H-VS3		00026	580CP	08H+	0.75	0.39		0	<20	P 2
		H	08H-VS3	08H-VS3		00026	580CP	BW1+	1.67	0.80		0	<20	P 2
97	138	H	08H-VS3	08H-VS3		00025	580CP	BW1-	1.47	0.84		0	21	P 2
		H	08H-VS3	08H-VS3		00025	580CP	BW1+	1.28	0.31		0	<20	P 2
99	138	H	08H-VS3	08H-VS3		00184	580CP	08H-	0.18	0.46		0	<20	P 2
		H	08H-VS3	08H-VS3		00184	580CP	BW1-	1.52	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3		00184	580CP	BW1+	1.09	0.76		0	<20	P 2
		H	08H-VS3	08H-VS3		00184	580CP	VS2+	0.74	0.36		0	<20	P 2
101	138	H	08H-VS3	08H-VS3		00023	580CP	BW1-	1.93	1.04		0	25	P 2
		H	08H-VS3	08H-VS3		00023	580CP	BW1+	1.35	0.36		0	<20	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 39 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
105	138	H	08H-VS3	08H-VS3		00025	580CP	VS2- 0.88	0.37		0	<20	P 2
		H	08H-VS3	08H-VS3		00025	580CP	VS2+ 0.77	0.39		0	<20	P 2
121	138	H	08H-VS3	08H-VS3		00175	580CP	BW1+ 1.88	0.58		0	<20	P 2
133	138	H	08H-VS3	08H-VS3		00176	580CP	09H+ 0.78	0.29		0	<20	P 2
		H	08H-VS3	08H-VS3		00176	580CP	BW1+ 1.38	0.26		0	<20	P 2
135	138	C	TEC-TEH	TEC-TEH		00008	610HS	BW1+ 2.10	0.57		0	<20	P 2
86	139	C	TEC-TEH	TEC-TEH		00057	610HS	BW1+ 1.91	1.01		0	25	P 2
96	139	H	08H-VS3	08H-VS3		00026	580CP	BW1- 2.00	0.32		0	<20	P 2
98	139	H	08H-VS3	07H-VS3		00025	580CP	08H+ 0.76	0.24		0	<20	P 2
		H	08H-VS3	07H-VS3		00025	580CP	BW1- 1.95	0.87		0	22	P 2
		H	08H-VS3	07H-VS3		00025	580CP	BW1+ 1.79	0.61		0	<20	P 2
100	139	H	08H-VS3	08H-VS3		00024	580CP	BW1- 2.13	1.62		0	27	P 2
		H	08H-VS3	08H-VS3		00024	580CP	BW1+ 1.92	0.78		0	<20	P 2
102	139	H	08H-VS3	08H-VS3		00026	580CP	BW1- 2.07	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3		00026	580CP	BW1+ 1.81	0.49		0	<20	P 2
104	139	H	08H-VS3	08H-VS3		00025	580CP	BW1- 1.85	0.46		0	<20	P 2
106	139	H	08H-VS3	08H-VS3		00024	580CP	BW1- 1.97	0.57		0	<20	P 2
		H	08H-VS3	08H-VS3		00024	580CP	VS2+ 0.70	0.65		0	<20	P 2
112	139	H	08H-VS3	08H-VS3		00025	580CP	BW1- 1.76	0.61		0	<20	P 2
118	139	H	08H-VS3	08H-VS3		00174	580CP	BW1+ 1.65	0.48		0	<20	P 2
120	139	H	08H-VS3	08H-VS3		00175	580CP	BW1+ 1.87	0.78		0	<20	P 2
122	139	H	08H-VS2	08H-VS2		00173	580CP	VS1- 0.97	0.26		0	<20	P 2
126	139	H	08H-VS3	08H-VS3		00174	580CP	09H+ 0.80	0.18		0	<20	P 2
128	139	H	08H-VS3	08H-VS3		00175	580CP	BW1- 1.92	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00175	580CP	BW1+ 1.78	0.58		0	<20	P 2
130	139	H	08H-VS3	08H-VS3		00173	580CP	BW1- 1.96	0.42		0	<20	P 2
85	140	C	TEC-TEH	TEC-TEH		00057	610HS	BW1+ 2.00	1.36		0	31	P 2
87	140	C	TEC-TEH	TEC-TEH		00057	610HS	BW1- 2.22	0.27		0	<20	P 2
93	140	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+ 1.79	0.45		0	<20	P 2
95	140	H	08H-VS3	08H-VS3		00026	580CP	BW1- 1.89	0.25		0	<20	P 2
99	140	H	08H-VS3	08H-VS3		00024	580CP	BW1+ 1.89	1.33		0	25	P 2
101	140	H	08H-VS3	08H-VS3		00023	580CP	BW1- 1.98	0.73		0	<20	P 2
		H	08H-VS3	08H-VS3		00023	580CP	BW1+ 2.04	0.24		0	<20	P 2
103	140	H	08H-VS3	08H-VS3		00026	580CP	BW1- 2.02	0.40		0	<20	P 2
105	140	H	08H-VS3	08H-VS3		00025	580CP	BW1- 2.00	0.33		0	<20	P 2
109	140	H	08H-VS3	08H-VS3		00023	580CP	BW1+ 2.05	0.44		0	<20	P 2
111	140	H	08H-VS3	08H-VS3		00026	580CP	BW1- 1.87	0.30		0	<20	P 2
119	140	H	08H-VS3	08H-VS3		00174	580CP	BW1+ 1.69	0.34		0	<20	P 2
121	140	H	08H-VS3	08H-VS3		00175	580CP	BW1+ 1.90	0.94		0	<20	P 2
129	140	H	08H-VS3	08H-VS3		00175	580CP	09H- 0.17	0.34		0	<20	P 2
139	140	C	TEC-TEH	TEC-TEH		00066	610HS	BW1+ 1.75	0.11		0	<20	P 2
86	141	C	TEC-TEH	TEC-TEH		00057	610HS	BW1+ 2.10	0.39		0	<20	P 2
92	141	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+ 2.24	0.39		0	<20	P 2
96	141	H	08H-VS3	08H-VS3		00184	580CP	BW1- 2.14	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00184	580CP	BW1+ 1.75	0.21		0	<20	P 2

CONAM NUCLEAR, INC.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MANTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
96	141	H	08H-VS3	08H-VS3		00184	580CP	VS2+ 0.63	0.40		0	<20	P 2
98	141	H	08H-VS3	08H-VS3		00026	580CP	BW1+ 1.77	0.41		0	<20	P 2
100	141	H	08H-VS3	08H-VS3		00025	580CP	08H+ 0.86	0.17		0	<20	P 2
		H	08H-VS3	08H-VS3		00025	580CP	BW1- 2.00	0.20		0	<20	P 2
		H	08H-VS3	08H-VS3		00025	580CP	BW1+ 1.80	0.23		0	<20	P 2
102	141	H	08H-VS3	08H-VS3		00024	580CP	BW1- 2.24	0.80		0	<20	P 2
		H	08H-VS3	08H-VS3		00024	580CP	BW1+ 1.82	0.65		0	<20	P 2
104	141	H	08H-VS3	08H-VS3		00023	580CP	BW1- 2.04	0.55		0	<20	P 2
110	141	H	08H-VS3	08H-VS3		00024	580CP	BW1+ 1.77	0.73		0	<20	P 2
112	141	H	08H-VS3	08H-VS3		00023	580CP	BW1+ 0.95	0.50		0	SVI	P 2
118	141	H	08H-VS3	08H-VS3		00174	580CP	BW1+ 1.76	0.37		0	<20	P 2
126	141	H	08H-VS3	08H-VS3		00175	580CP	09H+ 0.87	0.39		0	<20	P 2
85	142	C	TEC-TEH	TEC-TEH		00057	610HS	BW1- 2.00	0.54		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1+ 2.00	0.61		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	VS3+ 0.73	0.26		0	<20	P 2
87	142	C	TEC-TEH	TEC-TEH		00057	610HS	BW1- 1.80	0.58		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1+ 1.77	0.81		0	<20	P 2
89	142	C	TEC-TEH	TEC-TEH		00056	610HS	BW1- 2.10	0.18		0	<20	P 2
93	142	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+ 2.00	0.59		0	20	P 2
95	142	H	08H-VS3	08H-VS3		00019	580CP	08H- 0.12	0.69		0	<20	P 2
		H	08H-VS3	08H-VS3		00019	580CP	BW1- 1.83	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3		00019	580CP	BW1+ 1.75	0.34		0	<20	P 2
97	142	H	08H-VS3	08H-VS3		00021	580CP	BW1+ 0.84	0.35		0	<20	P 2
103	142	H	08H-VS3	08H-VS3		00019	580CP	BW1- 1.93	0.45		0	<20	P 2
		H	08H-VS3	08H-VS3		00019	580CP	BW1+ 1.75	0.44		0	<20	P 2
		H	08H-VS3	08H-VS3		00019	580CP	VS2+ 0.86	0.25		0	<20	P 2
109	142	H	08H-VS3	08H-VS3		00023	580CP	BW1+ 1.92	0.26		0	<20	P 2
		H	08H-VS3	08H-VS3		00023	580CP	VS2- 0.99	0.29		0	<20	P 2
117	142	H	08H-VS3	08H-VS3		00023	580CP	BW1+ 1.66	0.43		0	<20	P 2
119	142	H	08H-VS3	08H-VS3		00174	580CP	BW1+ 1.75	0.42		0	<20	P 2
121	142	H	08H-VS3	08H-VS3		00175	580CP	BW1+ 1.98	0.48		0	<20	P 2
129	142	H	08H-VS3	08H-VS3		00175	580CP	09H+ 0.92	0.55		0	<20	P 2
		H	08H-VS3	08H-VS3		00175	580CP	BW1+ 2.71	0.71		0	SVI	P 2
135	142	C	TEC-TEH	TEC-TEH		00005	610HS	BW1+ 1.99	0.38		0	<20	P 2
86	143	C	TEC-TEH	TEC-TEH		00057	610HS	BW1- 2.00	0.18		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1+ 1.84	1.44		0	32	P 2
88	143	C	TEC-TEH	TEC-TEH		00056	610HS	BW1- 2.25	0.45		0	<20	P 2
92	143	C	TEC-TEH	TEC-TEH		00056	610HS	BW1+ 2.25	0.96		0	27	P 2
104	143	H	08H-VS3	08H-VS3		00019	580CP	VS2- 0.92	0.32		0	<20	P 2
110	143	H	08H-VS3	08H-VS3		00019	580CP	BW1+ 1.76	0.39		0	<20	P 2
		H	08H-VS3	08H-VS3		00019	580CP	VS2+ 0.34	0.50		0	<20	P 2
116	143	H	08H-VS3	08H-VS3		00018	580CP	BW1+ 1.47	0.41		0	<20	P 2
118	143	H	08H-VS3	08H-VS3		00174	580CP	BW1+ 1.85	0.53		0	<20	P 2
120	143	H	08H-VS3	08H-VS3		00174	580CP	09H- 0.10	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3		00174	580CP	BW1+ 1.89	0.63		0	<20	P 2

CONAM NUCLEAR, INC.



1. Name
2. Address
3. City
4. State
5. Zip
6. Phone



1. Name
2. Address
3. City
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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
MANTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
128	143	H	08H-VS3	08H-VS3		00177	580CP	09H+ 0.63	0.25		0	<20	P 2
67	144	H	07H-08H	07H-08H	1	00189	610BC	07H+ 0.74	0.29		0	<20	P 2
		H	07H-08H	07H-08H	1	00189	610BC	08H- 0.87	0.47		0	<20	P 2
		H	07H-08H	07H-08H	1	00189	610BC	08H+ 1.34	1.01		0	22	P 2
85	144	C	TEC-TEH	TEC-TEH		00056	610HS	BW1- 2.25	0.27		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00056	610HS	BW1+ 2.24	0.26		0	<20	P 2
87	144	C	TEC-TEH	TEC-TEH		00057	610HS	08H+ 0.59	0.73		0	20	P 2
89	144	C	TEC-TEH	TEC-TEH		00056	610HS	BW1- 2.00	0.51		0	<20	P 2
93	144	C	TEC-TEH	TEC-TSH		00056	610HS	BW1+ 2.00	0.26		0	<20	P 2
95	144	H	08H-VS3	08H-VS3		00019	580CP	BW1- 1.86	1.32		0	27	P 2
		H	08H-VS3	08H-VS3		00019	580CP	BW1+ 1.81	1.23		0	26	P 2
101	144	H	08H-VS3	08H-VS3		00018	580CP	VS2- 0.09	0.27		0	<20	P 2
103	144	H	08H-VS3	08H-VS3		00019	580CP	BW1- 1.75	0.28		0	<20	P 2
		H	08H-VS3	08H-VS3		00019	580CP	BW1+ 1.88	0.34		0	<20	P 2
107	144	H	08H-VS3	08H-VS3		00022	580CP	08H+ 0.56	0.54		0	<20	P 2
109	144	H	08H-VS3	08H-VS3		00018	580CP	VS2- 1.09	0.19		0	<20	P 2
111	144	H	08H-VS3	08H-VS3		00019	580CP	BW1- 1.96	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3		00019	580CP	BW1+ 1.82	0.23		0	<20	P 2
117	144	H	08H-VS3	08H-VS3		00018	580CP	09H- 0.19	0.34		0	<20	P 2
119	144	H	08H-VS3	08H-VS3		00174	580CP	09H+ 0.74	0.36		0	<20	P 2
		H	08H-VS3	08H-VS3		00174	580CP	BW1- 1.90	0.55		0	<20	P 2
		H	08H-VS3	08H-VS3		00174	580CP	BW1+ 1.79	0.27		0	<20	P 2
		H	08H-VS3	08H-VS3		00174	580CP	VS2- 1.15	0.21		0	<20	P 2
121	144	H	08H-VS3	08H-VS3		00179	580CP	BW1+ 1.86	0.52		0	<20	P 2
127	144	H	08H-VS3	08H-VS3		00177	580CP	09H+ 0.87	0.76		0	<20	P 2
86	145	C	TEC-TEH	TEC-TEH		00057	610HS	08H+ 0.81	0.26		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1+ 1.82	0.64		0	<20	P 2
88	145	C	TEC-TEH	TEC-TEH		00056	610HS	BW1- 2.00	0.91		0	26	P 2
90	145	C	TEC-TEH	TEC-TEH		00057	610HS	08H+ 0.83	0.29		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1- 2.10	0.61		0	<20	P 2
96	145	H	08H-VS3	08H-VS3		00021	580CP	08H- 0.94	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3		00021	580CP	BW1- 2.05	0.42		0	<20	P 2
		H	08H-VS3	08H-VS3		00021	580CP	BW1+ 1.75	0.42		0	<20	P 2
100	145	H	08H-VS3	08H-VS3		00018	580CP	VS2- 0.83	0.39		0	<20	P 2
108	145	H	08H-VS3	08H-VS3		00018	580CP	BW1+ 1.02	0.18		0	SVI	P 2
		H	BW1-BW1	BW1-BW1		00188	610BC	BW1+ 1.66	0.41		0	<20	P 2
110	145	H	08H-VS3	08H-VS3		00019	580CP	BW1+ 1.85	0.53		0	<20	P 2
116	145	H	08H-VS3	08H-VS3		00018	580CP	08H- 0.07	0.42		0	<20	P 2
		H	08H-VS3	08H-VS3		00018	580CP	BW1+ 1.81	0.34		0	<20	P 2
118	145	H	08H-VS3	08H-VS3		00174	580CP	09H+ 0.33	0.43		0	<20	P 2
		H	08H-VS3	08H-VS3		00174	580CP	BW1- 1.72	0.40		0	<20	P 2
120	145	H	08H-VS3	08H-VS3		00174	580CP	09H- 0.19	0.48		0	<20	P 2
		H	08H-VS3	08H-VS3		00174	580CP	BW1+ 1.93	0.79		0	<20	P 2
122	145	H	08H-VS2	08H-VS2		00179	580CP	BW1+ 1.98	0.32		0	<20	P 2
		H	08H-VS2	08H-VS2		00179	580CP	VS1- 0.87	0.83		0	22	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
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STEAM GENERATOR : 31
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
124	145	H	08H-VS2	08H-VS2		00178	580CP	09H+	0.78	0.48		0	<20	P 2
130	145	C	TEC-TEH	TEC-TEH		00005	610HS	VS1+	0.65	0.20		0	<20	P 2
67	146	H	BW1-BW1	BW1-BW1	1	00189	610BC	BW1-	1.64	0.60		0	<20	P 2
85	146	H	08H-VS3	08H-VS5	4	00238	580TP	BW1-	1.78	0.49		0	<20	P 2
		H	08H-VS3	08H-VS5	4	00238	580TP	BW1+	1.79	1.51		0	29	P 2
		C	TEC-TEH	TEC-TEH		00056	610HS	BW1+	2.25	0.45		0	<20	P 2
87	146	H	08H-VS3	08H-VS3	4	00240	580TP	08H-	0.86	0.26		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00240	580TP	08H-	0.08	0.28		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1-	2.09	0.27		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00240	580TP	BW1-	1.80	0.86		0	21	P 2
89	146	H	08H-VS3	08H-VS3	4	00238	580TP	BW1-	1.92	0.34		0	<20	P 2
91	146	H	BW1-BW1	BW1-BW1		00189	610BC	BW1+	1.43	0.76		0	<20	P 2
93	146	H	08H-VS3	08H-VS3	4	00241	580TP	BW1+	1.75	0.43		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00078	610HS	BW1+	2.00	0.27		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00241	580TP	VS2-	0.85	0.56		0	<20	P 2
95	146	H	08H-VS3	08H-VS3		00019	580CP	08H-	1.00	0.48		0	<20	P 2
		H	08H-VS3	08H-VS3		00019	580CP	BW1-	1.90	0.85		0	20	P 2
		H	08H-VS3	08H-VS3		00019	580CP	BW1+	1.75	0.77		0	<20	P 2
103	146	H	08H-VS3	08H-VS3		00019	580CP	BW1+	1.82	0.47		0	<20	P 2
107	146	H	08H-VS3	08H-VS3		00022	580CP	BW1+	1.56	0.46		0	<20	P 2
107	146	H	08H-VS3	08H-VS3		00018	580CP	08H-	0.96	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00018	580CP	08H+	0.90	0.41		0	<20	P 2
123	146	H	08H-VS2	08H-VS2		00178	580CP	09H+	0.66	0.36		0	<20	P 2
125	146	H	08H-VS2	08H-VS2		00177	580CP	09H+	0.61	0.25		0	<20	P 2
86	147	H	08H-VS3	08H-VS5	4	00238	580TP	08H-	0.03	0.35		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	08H+	0.65	0.28		0	<20	P 2
		H	08H-VS3	08H-VS5	4	00238	580TP	08H+	0.81	0.49		0	<20	P 2
		H	08H-VS3	08H-VS5	4	00238	580TP	BW1-	1.91	0.38		0	<20	P 2
		H	08H-VS3	08H-VS5	4	00238	580TP	BW1+	2.06	1.15		0	24	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	BW1+	2.09	0.81		0	22	P 2
		C	TEC-TEH	TEC-TEH		00057	610HS	VS3-	0.88	0.44		0	<20	P 2
		H	08H-VS3	08H-VS5	4	00238	580TP	VS3-	0.78	0.77		0	<20	P 2
88	147	H	08H-VS3	08H-VS3	4	00238	580TP	08H+	0.73	0.46		0	<20	P 2
		C	TEC-TEH	TEC-TSH		00056	610HS	BW1-	2.00	0.41		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00238	580TP	BW1-	1.82	0.67		0	<20	P 2
90	147	H	08H-VS3	08H-VS3	4	00240	580TP	BW1+	1.79	0.40		0	<20	P 2
92	147	H	08H-VS3	08H-VS3	4	00241	580TP	BW1+	1.89	0.38		0	<20	P 2
94	147	H	08H-VS3	08H-VS3	4	00238	580TP	08H-	0.90	0.61		0	<20	P 2
96	147	H	08H-VS3	08H-VS3		00021	580CP	BW1-	1.99	0.67		0	20	P 2
		H	08H-VS3	08H-VS3		00021	580CP	BW1+	1.46	0.34		0	<20	P 2
104	147	H	08H-VS3	08H-VS3		00021	580CP	BW1+	1.65	0.42		0	<20	P 2
106	147	H	08H-VS3	08H-VS3		00184	580CP	BW1+	1.49	0.23		0	<20	P 2
112	147	H	08H-VS3	08H-VS3		00184	580CP	08H+	0.65	0.23		0	<20	P 2
		H	08H-VS3	08H-VS3		00184	580CP	BW1-	1.71	0.39		0	<20	P 2
114	147	H	08H-VS3	08H-VS3		00184	580CP	08H-	0.18	0.37		0	<20	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
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STEAM GENERATOR : 31
STAGE DATA SET : CURRENT
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DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
114	147	H	08H-VS3	08H-VS3		00184	580CP	VS2-	0.01	0.41		0	<20	P 2
116	147	H	08H-VS3	08H-VS3		00018	580CP	08H+	0.87	0.29		0	<20	P 2
118	147	H	08H-VS3	08H-VS3		00174	580CP	09H-	1.65	0.34		0	<20	P 2
120	147	H	08H-VS3	08H-VS3		00179	580CP	09H+	0.76	0.65		0	<20	P 2
124	147	H	08H-VS2	08H-VS2		00177	580CP	09H-	0.82	0.56		0	<20	P 2
		H	08H-VS2	08H-VS2		00177	580CP	09H+	0.06	0.72		0	<20	P 2
128	147	C	TEC-TEH	TEC-TEH		00005	610HS	09H+	0.67	0.21		0	<20	P 2
130	147	C	TEC-TEH	TEC-TEH		00005	610HS	09H+	0.87	0.52		0	<20	P 2
85	148	H	08H-VS3	08H-VS3	4	00239	580TP	BW1-	1.74	0.65		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00055	610HS	BW1+	1.85	0.44		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00239	580TP	BW1+	1.94	1.10		0	25	P 2
87	148	H	BW1-BW1	BW1-BW1		00189	610BC	BW1-	1.17	0.51		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00055	610HS	BW1+	2.12	0.51		0	<20	P 2
91	148	H	08H-VS3	08H-VS3	4	00240	580TP	BW1+	1.83	0.56		0	<20	P 2
93	148	H	08H-VS3	08H-VS3	4	00238	580TP	BW1+	1.71	0.27		0	<20	P 2
95	148	H	08H-VS3	08H-VS3		00019	580CP	BW1-	2.17	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3		00019	580CP	BW1+	1.88	0.36		0	<20	P 2
97	148	H	08H-VS3	08H-VS3		00021	580CP	BW1-	1.99	0.63		0	<20	P 2
101	148	H	08H-VS3	08H-VS3		00018	580CP	08H-	0.24	0.96		0	24	P 2
		H	08H-VS3	08H-VS3		00018	580CP	VS2+	1.16	0.33		0	<20	P 2
3	148	H	08H-VS3	08H-VS3		00019	580CP	BW1+	2.00	0.32		0	<20	P 2
17	148	H	08H-VS3	08H-VS3		00184	580CP	BW1+	0.08	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3		00184	580CP	BW1+	1.42	0.43		0	<20	P 2
121	148	H	08H-VS3	08H-VS3		00178	580CP	09H+	0.79	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3		00214	580BC	09H+	0.79	0.55		0	<20	P 2
		H	08H-VS3	08H-VS3		00214	580BC	BW1+	1.55	0.40		0	<20	P 2
123	148	H	08H-VS2	08H-VS2		00177	580CP	09H+	0.41	0.33		0	<20	P 2
86	149	H	08H-VS3	08H-VS3	4	00239	580TP	BW1-	2.21	0.68		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00055	610HS	BW1-	1.89	0.22		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00055	610HS	BW1+	1.89	0.81		0	24	P 2
		H	08H-VS3	08H-VS3	4	00239	580TP	BW1+	2.20	0.82		0	20	P 2
90	149	H	08H-VS3	08H-VS3	4	00240	580TP	BW1+	1.61	0.29		0	<20	P 2
92	149	H	08H-VS3	08H-VS3	4	00238	580TP	BW1+	1.75	0.40		0	<20	P 2
		C	TEC-TEH	TEC-TSH		00054	610HS	BW1+	2.00	0.19		0	<20	P 2
94	149	H	08H-VS3	08H-VS3	4	00238	580TP	BW1-	1.77	0.44		0	<20	P 2
		H	08H-BW1	08H-BW1	1	00189	610BC	BW1-	1.75	0.68		0	<20	P 2
		H	08H-BW1	08H-BW1	1	00189	610BC	BW1+	1.59	0.47		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00238	580TP	BW1+	1.75	0.39		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00238	580TP	VS2-	0.90	0.38		0	<20	P 2
96	149	C	TEC-TEH	TEC-TEH	2	00083	610HS	BW1-	1.89	0.14		0	<20	P 2
		H	08H-VS3	08H-VS3		00021	580CP	BW1+	0.87	0.30		0	SVI	P 2
100	149	H	08H-VS3	08H-VS3		00018	580CP	BW1-	2.00	0.29		0	<20	P 2
116	149	H	08H-VS3	08H-VS3		00018	580CP	08H-	0.30	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3		00018	580CP	08H+	1.07	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00018	580CP	09H-	0.31	2.88		0	43	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		VOLTS	CURRENT			
			PROGRAM	ACTUAL							MIL	DEG	%	CH
120	149	H	08H-VS3	08H-VS3		00179	580CP	09H+	0.04	0.27		0	<20	P 2
126	149	C	TEC-TEH	TEC-TEH		00004	610HS	09H+	0.68	0.52		0	<20	P 2
85	150	C	TEC-TEH	TEC-TEH		00055	610HS	BW1+	1.77	0.53		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00239	580TP	BW1+	2.15	1.14		0	25	P 2
91	150	H	08H-VS3	08H-VS3	4	00235	580TP	BW1+	1.70	0.28		0	<20	P 2
93	150	H	08H-VS3	08H-VS3	4	00236	580TP	BW1+	1.67	0.46		0	<20	P 2
99	150	H	08H-VS3	08H-VS3		00184	580CP	08H+	1.00	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3		00184	580CP	VS2+	0.09	0.32		0	<20	P 2
101	150	H	08H-VS3	08H-VS3		00018	580CP	VS2+	1.00	0.23		0	<20	P 2
103	150	H	08H-VS3	08H-VS3		00019	580CP	BW1+	1.75	0.54		0	<20	P 2
109	150	H	08H-VS3	08H-VS3		00018	580CP	BW1+	1.73	0.56		0	<20	P 2
117	150	H	08H-VS3	08H-VS3		00018	580CP	09H+	1.28	1.70		0	34	P 2
121	150	H	08H-VS3	08H-VS3		00177	580CP	09H-	0.20	0.33		0	<20	P 2
		H	08H-VS3	08H-VS3		00177	580CP	09H+	0.86	0.52		0	<20	P 2
		H	08H-VS3	08H-VS3		00177	580CP	BW1-	1.97	0.63		0	<20	P 2
125	150	H	BW1-BW1	BW1-BW1		00189	610BC	BW1-	1.51	0.77		0	<20	P 2
		H	BW1-BW1	BW1-BW1		00189	610BC	BW1+	1.48	0.79		0	<20	P 2
88	151	H	BW1-BW1	BW1-BW1		00189	610BC	BW1-	1.93	0.64		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	BW1-	1.83	0.67		0	<20	P 2
		H	BW1-BW1	BW1-BW1		00189	610BC	BW1+	1.62	0.48		0	<20	P 2
90	151	H	08H-VS3	08H-VS3	4	00235	580TP	BW1+	1.33	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	VS2-	0.83	0.75		0	<20	P 2
94	151	H	08H-VS3	08H-VS3	4	00236	580TP	BW1+	1.51	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00236	580TP	VS2-	0.87	0.28		0	<20	P 2
100	151	H	08H-VS3	08H-VS3		00184	580CP	VS2+	0.00	0.34		0	<20	P 2
106	151	H	08H-VS3	07H-VS3		00019	580CP	08H-	0.16	0.55		0	<20	P 2
118	151	H	08H-VS3	08H-VS3		00174	580CP	09H+	0.04	1.93		0	33	P 2
		H	08H-VS3	08H-VS3		00174	580CP	09H+	0.61	0.49		0	<20	P 2
120	151	H	08H-VS3	08H-VS3		00179	580CP	09H+	0.66	0.48		0	<20	P 2
122	151	C	TEC-TEH	TEC-TEH		00003	610HS	09H+	0.88	0.46		0	<20	P 2
85	152	H	08H-VS3	08H-VS5	4	00239	580TP	BW1-	1.91	0.57		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00054	610HS	BW1+	2.00	0.40		0	<20	P 2
87	152	C	TEC-TEH	TEC-TEH		00054	610HS	08H+	0.76	0.22		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00239	580TP	08H+	1.27	0.36		0	<20	P 2
89	152	H	08H-VS3	08H-VS3	4	00262	580BC	BW1-	1.74	0.68		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00262	580BC	BW1+	1.99	1.00		0	23	P 2
91	152	H	08H-VS3	08H-VS3	4	00235	580TP	08H+	0.75	0.45		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	BW1+	1.74	0.90		0	21	P 2
		C	TEC-TEH	TEC-TEH		00054	610HS	BW1+	2.00	0.82		0	22	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	VS2+	0.86	0.58		0	<20	P 2
93	152	C	TEC-TEH	TSC-TEH		00055	610HS	08H+	0.70	0.74		0	21	P 2
		H	08H-VS3	08H-VS3	4	00236	580TP	08H+	1.73	0.73		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00236	580TP	BW1+	1.49	0.68		0	<20	P 2
97	152	H	08H-VS3	08H-VS3		00017	580CP	VS3-	0.99	0.19		0	<20	P 2
99	152	H	08H-VS3	08H-VS3		00017	580CP	VS2+	0.89	0.36		0	<20	P 2

[illegible][illegible]

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
WATAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 45 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
103	152	H	08H-VS3	08H-VS3		00015	580CP	BW1+	1.84	0.27		0	<20	P 2
105	152	H	08H-VS3	08H-VS3		00015	580CP	BW1+	1.93	0.33		0	<20	P 2
107	152	H	08H-VS3	08H-VS3		00017	580CP	BW1+	2.03	0.53		0	<20	P 2
109	152	H	08H-VS3	08H-VS3		00017	580CP	BW1-	1.86	0.37		0	<20	P 2
111	152	H	08H-VS3	08H-VS3		00020	580CP	BW1-	2.01	1.21		0	26	P 2
		H	08H-VS3	08H-VS3		00020	580CP	BW1+	1.79	0.32		0	<20	P 2
		H	08H-VS3	08H-VS3		00020	580CP	VS2-	1.15	0.49		0	<20	P 2
		H	08H-VS3	08H-VS3		00020	580CP	VS2-	0.17	0.16		0	<20	P 2
		H	08H-VS3	08H-VS3		00020	580CP	VS2+	1.04	0.19		0	<20	P 2
113	152	H	08H-VS3	08H-VS3		00015	580CP	08H-	0.47	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3		00015	580CP	BW1+	2.20	0.59		0	<20	P 2
		H	08H-VS3	08H-VS3		00015	580CP	VS3-	1.09	0.30		0	<20	P 2
115	152	H	08H-VS3	08H-VS3		00018	580CP	BW1+	2.22	0.56		0	<20	P 2
		H	08H-VS3	08H-VS3		00018	580CP	VS2+	1.07	0.26		0	<20	P 2
117	152	H	08H-VS3	08H-VS3		00018	580CP	09H+	0.06	0.57		0	<20	P 2
		H	08H-VS3	08H-VS3		00018	580CP	09H+	0.35	1.27		0	29	P 2
		H	08H-VS3	08H-VS3		00018	580CP	BW1+	1.72	0.43		0	<20	P 2
86	153	C	TEC-TEH	TEC-TEH		00054	610HS	08H+	0.79	0.75		0	22	P 2
		H	08H-VS3	08H-VS3	4	00262	580BC	08H+	0.79	1.35		0	27	P 2
		H	08H-VS3	08H-VS3	4	00262	580BC	BW1+	2.01	1.23		0	26	P 2
90	153	H	08H-VS3	08H-VS3	4	00234	580TP	BW1+	1.72	0.55		0	<20	P 2
92	153	H	08H-VS3	08H-VS3	4	00235	580TP	BW1-	1.87	0.36		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	BW1+	1.62	0.46		0	<20	P 2
94	153	H	08H-VS3	08H-VS3	4	00236	580TP	VS2-	0.86	0.52		0	<20	P 2
96	153	H	08H-VS3	08H-VS3		00017	580CP	08H+	0.03	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3		00017	580CP	VS2-	0.80	0.61		0	<20	P 2
100	153	H	08H-VS3	08H-VS3		00017	580CP	BW1-	1.72	0.19		0	<20	P 2
		H	08H-VS3	08H-VS3		00017	580CP	VS2-	1.05	0.21		0	<20	P 2
		H	08H-VS3	08H-VS3		00017	580CP	VS2+	0.12	0.26		0	<20	P 2
		H	08H-VS3	08H-VS3		00017	580CP	VS2+	0.77	0.27		0	<20	P 2
104	153	H	08H-VS3	08H-VS3		00015	580CP	BW1+	1.65	0.43		0	<20	P 2
106	153	H	08H-VS3	08H-VS3		00017	580CP	08H+	0.88	0.26		0	<20	P 2
		H	08H-VS3	08H-VS3		00017	580CP	BW1-	2.15	0.30		0	<20	P 2
108	153	H	08H-VS3	08H-VS3		00017	580CP	BW1-	1.93	0.57		0	<20	P 2
		H	08H-VS3	08H-VS3		00017	580CP	VS2+	0.34	0.47		0	<20	P 2
112	153	H	08H-VS3	08H-VS3		00015	580CP	08H-	0.24	0.32		0	<20	P 2
		H	08H-VS3	08H-VS3		00015	580CP	BW1-	1.81	0.79		0	<20	P 2
		H	08H-VS3	08H-VS3		00015	580CP	BW1+	1.94	0.55		0	<20	P 2
116	153	H	08H-VS3	08H-VS3		00015	580CP	09H-	0.10	0.82		0	20	P 2
		H	08H-VS3	08H-VS3		00015	580CP	BW1-	1.81	0.41		0	<20	P 2
118	153	H	08H-VS3	08H-VS3		00177	580CP	09H-	1.53	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3		00177	580CP	09H+	0.85	0.75		0	<20	P 2
		H	08H-VS3	08H-VS3		00177	580CP	BW1+	1.64	0.40		0	<20	P 2
120	153	C	TEC-TEH	TEC-TEH		00003	610HS	06H-	0.99	0.27		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00003	610HS	BW1-	2.25	0.29		0	<20	P 2



1. The first part of the document discusses the importance of maintaining accurate records of all transactions, both incoming and outgoing, to ensure transparency and accountability. It emphasizes the need for regular audits and the use of reliable accounting software to track every dollar spent or received.

[illegible]

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
WATAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
85	154	C	TEC-TEH	TEC-TEH		00054	610HS	BW1- 2.00	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	BW1- 1.92	0.51		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	BW1+ 1.77	1.23		0	26	P 2
		C	TEC-TEH	TEC-TEH		00054	610HS	BW1+ 2.00	0.50		0	<20	P 2
87	154	H	08H-VS3	08H-VS3	4	00236	580TP	BW1- 2.00	0.31		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00054	610HS	VS1- 2.00	0.20		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00236	580TP	VS2+ 0.32	0.23		0	<20	P 2
89	154	H	08H-VS3	08H-VS3	4	00234	580TP	BW1+ 1.96	0.69		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	VS2+ 0.81	0.43		0	<20	P 2
91	154	H	08H-VS3	08H-VS3	4	00235	580TP	BW1- 2.04	0.50		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	BW1+ 1.69	0.65		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	VS2+ 0.80	0.45		0	<20	P 2
93	154	C	TEC-TEH	TEC-TEH		00055	610HS	08H- 0.96	0.42		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00055	610HS	BW1- 1.77	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00236	580TP	BW1- 1.75	0.63		0	<20	P 2
97	154	H	08H-VS3	08H-VS3		00016	580CP	VS2- 0.92	1.41		0	27	P 2
99	154	H	08H-VS3	08H-VS3		00013	580CP	BW1+ 1.84	0.31		0	<20	P 2
101	154	H	08H-VS3	08H-VS3		00015	580CP	BW1+ 4.34	0.30		0	SVI	P 2
103	154	H	08H-VS3	08H-VS3		00016	580CP	BW1+ 1.40	1.42		0	27	P 2
105	154	H	08H-VS3	08H-VS3		00184	580CP	BW1+ 1.40	0.73		0	<20	P 2
		H	08H-VS3	08H-VS3		00184	580CP	VS3+ 0.00	0.21		0	<20	P 2
107	154	H	08H-VS3	08H-VS3		00015	580CP	BW1+ 1.64	0.41		0	<20	P 2
111	154	H	08H-VS3	08H-VS3		00017	580CP	BW1- 1.63	0.46		0	<20	P 2
		H	08H-VS3	08H-VS3		00017	580CP	BW1+ 1.90	0.35		0	<20	P 2
113	154	H	08H-VS3	08H-VS3		00184	580CP	BW1- 1.93	0.34		0	<20	P 2
		H	08H-VS3	08H-VS3		00184	580CP	BW1+ 1.63	1.64		0	30	P 2
117	154	H	08H-VS3	08H-VS3		00015	580CP	09H+ 1.00	0.20		0	<20	P 2
119	154	C	TEC-TEH	TEC-TEH		00003	610HS	BW1+ 2.22	0.29		0	<20	P 2
123	154	C	TEC-TEH	TEC-TEH		00003	610HS	04C+ 0.89	0.48		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00003	610HS	03C+ 0.92	0.20		0	<20	P 2
86	155	H	06H-VS5	06H-VS5		00234	580TP	06H- 1.06	0.61		0	<20	P 2
		H	06H-VS5	06H-VS5		00234	580TP	08H- 0.30	0.38		0	<20	P 2
		H	06H-VS5	06H-VS5		00234	580TP	BW1- 1.92	0.91		0	<20	P 2
		H	06H-VS5	06H-VS5		00234	580TP	BW1+ 1.80	0.70		0	<20	P 2
88	155	H	08H-VS3	08H-VS3	4	00234	580TP	BW1+ 1.79	0.61		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00055	610HS	BW1+ 1.81	0.62		0	20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	VS2+ 0.75	0.82		0	<20	P 2
90	155	H	08H-VS3	08H-VS3	4	00235	580TP	BW1+ 1.66	0.24		0	<20	P 2
92	155	H	08H-VS3	08H-VS3		00016	580CP	BW1- 1.91	0.57		0	<20	P 2
		H	08H-VS3	08H-VS3		00016	580CP	BW1+ 1.46	0.45		0	<20	P 2
94	155	H	08H-VS3	08H-VS3	4	00234	580TP	BW1+ 1.56	0.60		0	<20	P 2
		C	TEC-TEH	TEC-TSH		00055	610HS	BW1+ 1.77	0.88		0	25	P 2
		C	TEC-TEH	TEC-TEH		00078	610HS	BW1+ 1.79	0.42		0	<20	P 2
100	155	H	08H-VS3	08H-VS3		00016	580CP	BW1- 2.03	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3		00016	580CP	BW1+ 1.93	0.33		0	<20	P 2

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 47 OF 51
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
108	155	H	08H-VS3	08H-VS3		00184	580CP	BW1-	1.53	0.41		0	<20	P 2
		H	08H-VS3	08H-VS3		00184	580CP	BW1+	1.51	0.31		0	<20	P 2
110	155	H	08H-VS3	08H-VS3		00184	580CP	BW1-	1.75	0.38		0	<20	P 2
116	155	H	08H-VS3	08H-VS3		00184	580CP	BW1-	1.58	0.78		0	<20	P 2
118	155	C	TEC-TEH	TEC-TEH		00003	610HS	BW1+	2.23	0.57		0	<20	P 2
122	155	C	TEC-TEH	TEC-TEH		00003	610HS	BW1-	2.25	0.23		0	<20	P 2
85	156	H	08H-VS3	08H-VS3	4	00234	580TP	08H-	0.39	0.80		0	<20	P 2
		C	TEC-TEH	TEC-TSH		00052	610HS	BW1-	2.20	0.63		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	BW1-	2.05	1.45		0	26	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	BW1+	2.03	0.66		0	<20	P 2
87	156	H	08H-VS3	08H-VS3	4	00237	580BC	BW1+	2.00	0.35		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00052	610HS	BW1+	2.20	0.28		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00237	580BC	VS1-	1.09	1.48		0	28	P 2
89	156	C	TEC-TEH	TEC-TEH		00078	610HS	BW1-	1.98	0.42		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	BW1+	1.80	0.35		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00078	610HS	BW1+	2.01	0.68		0	20	P 2
91	156	H	08H-VS3	08H-VS3	4	00235	580TP	BW1+	1.90	1.29		0	27	P 2
		C	TEC-TEH	TEC-TEH		00052	610HS	BW1+	2.20	0.50		0	<20	P 2
93	156	C	TEC-TEH	TEC-TEH		00078	610HS	08H-	0.15	0.79		0	22	P 2
		H	08H-VS3	08H-VS3	4	00236	580TP	08H-	0.05	1.10		0	25	P 2
		C	TEC-TEH	TEC-TEH		00078	610HS	BW1-	2.05	0.46		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00236	580TP	BW1-	1.75	1.28		0	27	P 2
		H	08H-VS3	08H-VS3	4	00236	580TP	BW1+	1.76	0.63		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00078	610HS	BW1+	2.03	0.36		0	<20	P 2
95	156	H	08H-VS3	08H-VS3		00009	580CP	08H+	0.90	0.33		0	<20	P 2
		C	TEC-TEH	TEC-TEH	2	00083	610HS	08H+	0.91	0.39		0	<20	P 2
		H	08H-VS3	08H-VS3		00009	580CP	08H+	26.71	0.38	0.1	SAI	P 2	
		C	TEC-TEH	TEC-TEH	2	00083	610HS	BW1-	1.92	0.71		0	<20	P 2
		H	08H-VS3	08H-VS3		00009	580CP	BW1-	1.63	1.14		0	26	P 2
		H	08H-VS3	08H-VS3		00009	580CP	BW1+	1.58	0.41		0	<20	P 2
		C	TEC-TEH	TEC-TEH	2	00083	610HS	BW1+	2.14	0.23		0	<20	P 2
99	156	H	08H-VS3	07H-VS3		00184	580CP	BW1+	1.44	0.82		0	<20	P 2
		H	08H-VS3	07H-VS3		00184	580CP	VS2-	0.95	0.39		0	<20	P 2
101	156	H	08H-VS3	08H-VS3		00009	580CP	08H-	0.17	0.44		0	<20	P 2
105	156	H	08H-VS3	07H-VS3		00184	580CP	BW1+	1.35	0.19		0	<20	P 2
107	156	H	08H-VS3	08H-VS3		00009	580CP	BW1+	1.69	0.79		0	<20	P 2
117	156	C	TEC-TEH	TEC-TEH		00003	610HS	06H-	1.04	0.30		0	<20	P 2
86	157	H	08H-VS3	08H-VS3	4	00237	580BC	BW1+	2.00	0.37		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00052	610HS	BW1+	2.20	0.25		0	<20	P 2
88	157	H	08H-VS3	08H-VS3	4	00234	580TP	08H+	0.02	0.29		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	BW1-	1.85	0.57		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	VS2+	0.65	0.76		0	<20	P 2
90	157	H	08H-VS3	08H-VS3	4	00235	580TP	BW1+	1.25	0.59		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00052	610HS	BW1+	2.20	0.43		0	<20	P 2
98	157	H	08H-VS3	08H-VS3		00181	580CP	BW1+	1.64	0.34		0	<20	P 2

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
PAGE DATA SET : CURRENT
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DATE: 01/19/95
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	VOLTS	CURRENT			
			PROGRAM	ACTUAL						MIL	DEG	%	CH
100	157	H	08H-VS3	08H-VS3		00009	580CP	08H- 0.19	0.41		0	<20	P 2
102	157	H	08H-VS3	08H-VS3		00009	580CP	08H+ 35.28	0.26		0.8	SAI	P 2
106	157	H	08H-VS3	08H-VS3		00009	580CP	BW1+ 1.84	0.58		0	<20	P 2
112	157	H	08H-VS3	08H-VS3		00007	580CP	08H+ 1.02	0.29		0	<20	P 2
118	157	C	TEC-TEH	TEC-TEH		00003	610HS	BW1+ 2.15	0.63		0	<20	P 2
85	158	C	TEC-TEH	TEC-TEH		00052	610HS	BW1- 2.00	0.41		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	BW1- 1.75	0.81		0	20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	BW1+ 1.75	0.53		0	<20	P 2
87	158	H	08H-VS3	08H-VS3	4	00237	580BC	BW1- 2.00	0.18		0	<20	P 2
91	158	H	08H-VS3	08H-VS3	4	00235	580TP	08H+ 0.00	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	BW1+ 1.77	1.43		0	29	P 2
		C	TEC-TEH	TEC-TEH		00052	610HS	BW1+ 2.05	0.56		0	<20	P 2
93	158	H	08H-VS3	08H-VS3	4	00236	580TP	BW1+ 1.75	0.64		0	<20	P 2
95	158	H	08H-VS3	08H-VS3		00007	580CP	08H- 0.12	0.83		0	<20	P 2
99	158	H	08H-VS3	08H-VS3		00007	580CP	08H- 0.21	0.25		0	<20	P 2
		H	08H-VS3	08H-VS3		00007	580CP	BW1+ 1.96	0.75		0	<20	P 2
103	158	H	08H-VS3	08H-VS3		00007	580CP	BW1+ 2.09	0.45		0	<20	P 2
105	158	H	08H-VS3	08H-VS3		00180	580CP	BW1+ 1.92	0.30		0	<20	P 2
109	158	H	08H-VS3	08H-VS3		00007	580CP	BW1- 1.89	0.59		0	<20	P 2
111	158	H	08H-VS3	08H-VS3		00181	580CP	08H- 0.32	0.28		0	<20	P 2
		H	08H-VS3	08H-VS3		00181	580CP	08H+ 0.66	0.31		0	<20	P 2
113	158	H	08H-VS3	08H-VS3		00008	580TP	BW1+ 1.71	0.82		0	20	P 2
117	158	C	TEC-TEH	TEC-TEH		00003	610HS	05C- 1.04	0.35		0	<20	P 2
86	159	C	TEC-TEH	TEC-TEH		00052	610HS	BW1- 2.20	0.20		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00237	580BC	BW1- 2.00	0.42		0	<20	P 2
88	159	H	08H-VS3	08H-VS3	4	00234	580TP	08H- 0.89	0.86		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	08H+ 0.83	0.39		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	BW1- 1.81	0.38		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	BW1+ 1.89	0.26		0	<20	P 2
96	159	H	08H-VS3	08H-VS3		00007	580CP	08H+ 1.00	0.86		0	22	P 2
100	159	H	08H-VS3	08H-VS3		00007	580CP	08H+ 1.01	0.26		0	<20	P 2
		H	08H-VS3	08H-VS3		00007	580CP	BW1+ 1.97	0.49		0	<20	P 2
104	159	H	08H-VS3	08H-VS3		00007	580CP	08H+ 1.04	0.35		0	<20	P 2
		H	08H-VS3	08H-VS3		00007	580CP	VS2- 1.06	0.30		0	<20	P 2
112	159	H	08H-VS3	08H-VS3		00007	580CP	VS2- 1.10	0.45		0	<20	P 2
114	159	H	BW1-VS2	BW1-VS2		00191	580CP	BW1+ 1.82	0.56		0	<20	P 2
116	159	C	TEC-TEH	TEC-TEH		00003	610HS	BW1- 2.25	0.42		0	<20	P 2
39	160	C	BW2-VS4	BW2-VS4		00085	580TP	VS4+ 1.36	0.33		0	SVI	P 2
85	160	H	08H-VS3	08H-VS5	4	00234	580TP	BW1- 1.75	0.61		0	<20	P 2
87	160	H	08H-VS3	08H-VS3	4	00235	580TP	08H+ 0.88	0.46		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00235	580TP	VS2+ 0.74	0.57		0	<20	P 2
93	160	H	08H-VS3	08H-VS3	4	00236	580TP	BW1+ 1.77	0.72		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00236	580TP	VS2- 1.16	0.52		0	<20	P 2
97	160	H	08H-VS3	08H-VS3		00007	580CP	VS2+ 0.81	0.50		0	<20	P 2
99	160	H	08H-VS3	08H-BW1		00180	580CP	08H+ 0.59	0.42		0	<20	P 2

CONAM NUCLEAR, INC.

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
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ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
99	160	H	08H-VS3	08H-BW1		00180	580CP	BW1+	1.32	0.47		0	<20	P 2
101	160	H	08H-VS3	08H-VS3		00007	580CP	08H-	0.55	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3		00007	580CP	08H+	1.00	1.24		0	23	P 2
111	160	H	08H-VS3	08H-VS3		00007	580CP	BW1-	2.00	0.37		0	<20	P 2
86	161	H	08H-VS3	08H-VS3	4	00233	580BC	08H-	0.87	0.40		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	08H+	0.78	0.70		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	BW1-	1.60	0.32		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	BW1+	4.18	0.37		0	SVI	P 2
88	161	H	08H-VS3	08H-VS3	4	00234	580TP	BW1+	1.71	0.38		0	<20	P 2
92	161	C	TEC-TEH	TEC-TEH		00052	610HS	BW1+	2.20	0.50		0	<20	P 2
94	161	H	08H-VS3	08H-VS3	4	00233	580BC	08H+	0.72	0.76		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	BW1+	1.61	0.62		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00004	610HS	BW1+	1.88	0.31		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00053	610HS	BW1+	2.24	0.27		0	<20	P 2
98	161	H	08H-VS3	08H-VS3	4	00235	580TP	BW1+	1.75	0.22		0	<20	P 2
100	161	H	BW1-VS2	BW1-VS2		00191	580CP	BW1+	1.65	0.36		0	<20	P 2
		H	BW1-VS2	BW1-VS2		00191	580CP	BW1+	4.99	0.31		0	SVI	P 2
		H	BW1-VS2	BW1-VS2		00191	580CP	VS2-	0.83	0.32		0	<20	P 2
102	161	H	08H-VS3	08H-VS3	4	00233	580BC	BW1+	0.91	0.45		0	<20	P 2
104	161	H	08H-VS3	08H-VS3	4	00234	580TP	BW1+	1.91	0.73		0	<20	P 2
108	161	H	08H-VS3	08H-VS3	4	00236	580TP	BW1+	1.76	0.54		0	<20	P 2
110	161	C	TEC-TEH	TEC-TEH		00004	610HS	BW1-	1.95	0.31		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	BW1-	1.65	0.91		0	22	P 2
112	161	H	08H-VS3	08H-VS3	4	00234	580TP	BW1+	1.91	0.90		0	<20	P 2
85	162	H	08H-VS3	08H-VS3	4	00233	580BC	08H+	0.16	0.48		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	08H+	0.69	0.54		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	BW1+	1.88	0.62		0	<20	P 2
87	162	H	08H-VS3	08H-VS3	4	00234	580TP	08H-	0.06	0.32		0	<20	P 2
89	162	C	TEC-TEH	TEC-TEH		00002	610HS	07H+	0.86	0.42		0	<20	P 2
91	162	C	TEC-TEH	TEC-TEH		00001	610HS	BW1+	2.05	0.15		0	<20	P 2
93	162	C	TEC-TEH	TEC-TEH		00002	610HS	07H+	0.42	0.72		0	23	P 2
95	162	H	08H-VS3	08H-VS3	4	00234	580TP	08H-	0.28	0.40		0	<20	P 2
		H	08H-VS3	08H-08H		00189	610BC	08H-	0.15	0.51		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00234	580TP	VS2+	0.87	0.28		0	<20	P 2
97	162	C	TEC-TEH	TEC-TEH		00002	610HS	07H+	1.04	0.68		0	22	P 2
99	162	C	TEC-TEH	TEC-TEH		00001	610HS	08H-	0.19	0.44		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00236	580TP	08H-	0.11	0.65		0	<20	P 2
103	162	C	TEC-TEH	TEC-TEH		00001	610HS	BW1-	2.00	0.15		0	<20	P 2
		H	BW1-VS2	BW1-VS2		00191	580CP	BW1-	1.86	0.52		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	BW1-	1.40	0.53		0	<20	P 2
107	162	H	08H-VS3	08H-VS3	4	00238	580TP	BW1-	1.82	0.38		0	<20	P 2
109	162	H	08H-VS3	08H-VS3	4	00238	580TP	VS2-	0.01	0.24		0	<20	P 2
111	162	H	08H-VS3	08H-VS3	4	00238	580TP	BW1-	1.84	0.58		0	<20	P 2
86	163	H	08H-VS3	08H-VS3	4	00233	580BC	08H-	0.89	0.45		0	<20	P 2
88	163	H	08H-VS3	08H-VS3	4	00232	580TP	BW1+	1.84	0.77		0	<20	P 2

CONAM NUCLEAR, INC.

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 50 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
			PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
94	163	C	TEC-TEH	TEC-TEH		00002	610HS	08H- 0.34	0.41		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	08H- 0.04	0.94		0	22	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	BW1+ 1.63	0.51		0	<20	P 2
96	163	C	TEC-TEH	TEC-TEH		00001	610HS	BW1+ 2.24	0.24		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00232	580TP	VS2+ 1.10	0.43		0	<20	P 2
98	163	H	08H-VS3	08H-VS3	4	00230	580TP	08H- 0.27	0.30		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00230	580TP	BW1+ 1.76	0.36		0	<20	P 2
100	163	H	08H-VS3	08H-VS3	4	00229	580TP	BW1- 1.82	1.03		0	24	P 2
104	163	H	08H-VS3	08H-VS3	4	00233	580BC	BW1+ 1.09	0.59		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00001	610HS	BW1+ 2.07	0.28		0	<20	P 2
108	163	H	08H-VS3	08H-VS3	4	00262	580BC	BW1+ 2.01	0.71		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00001	610HS	BW1+ 2.25	0.64		0	21	P 2
85	164	H	08H-VS3	08H-VS5	4	00232	580TP	BW1+ 1.65	0.44		0	<20	P 2
87	164	H	08H-VS3	08H-VS3	4	00233	580BC	BW1+ 1.65	0.44		0	<20	P 2
89	164	H	08H-VS3	08H-VS3	4	00232	580TP	BW1+ 1.94	0.69		0	<20	P 2
93	164	H	08H-VS3	08H-VS5	4	00229	580TP	BW1+ 1.65	0.60		0	<20	P 2
95	164	H	08H-VS3	08H-VS3	4	00233	580BC	08H- 0.83	0.73		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00001	610HS	08H+ 0.98	0.91		0	26	P 2
		H	08H-VS3	08H-VS3	4	00233	580BC	08H+ 0.99	1.29		0	28	P 2
97	164	H	08H-VS3	08H-VS3	4	00232	580TP	VS2+ 0.86	0.54		0	<20	P 2
99	164	H	08H-VS3	08H-VS3	4	00230	580TP	08H- 1.01	0.88		0	24	P 2
		C	TEC-TEH	TEC-TEH		00001	610HS	BW1- 1.94	0.49		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00230	580TP	BW1- 1.90	0.50		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00230	580TP	BW1+ 1.76	0.38		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00001	610HS	BW1+ 1.91	0.35		0	<20	P 2
103	164	C	TEC-TEH	TEC-TEH		00001	610HS	08H+ 0.84	0.16		0	<20	P 2
		H	08H-VS3	08H-VS3	4	00232	580TP	BW1+ 1.71	0.27		0	<20	P 2
86	165	H	08H-VS3	08H-BW2	4	00232	580TP	08H+ 0.82	0.65		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00001	610HS	08H+ 1.01	0.21		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00001	610HS	BW1+ 1.89	0.24		0	<20	P 2
88	165	H	08H-VS3	BW1-VS3	4	00232	580TP	BW1+ 0.73	0.69		0	MVI	P 2
		H	08H-VS3	BW1-VS3	4	00232	580TP	BW1+ 1.38	0.70		0	MVI	P 2
94	165	H	08H-VS3	08H-VS3	4	00233	580BC	BW1- 1.57	0.48		0	<20	P 2
96	165	H	08H-VS3	08H-VS3	4	00232	580TP	08H- 0.26	0.45		0	<20	P 2
102	165	H	08H-VS3	08H-VS3	4	00232	580TP	BW1- 1.78	0.26		0	<20	P 2
87	166	H	08H-VS3	08H-VS5	4	00230	580TP	08H+ 0.80	0.84		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00001	610HS	08H+ 0.88	0.47		0	<20	P 2
		H	08H-VS3	08H-VS5	4	00230	580TP	BW1- 1.78	0.30		0	<20	P 2
89	166	H	08H-VS3	08H-VS3	4	00233	580BC	08H+ 0.27	0.51		0	<20	P 2
91	166	H	08H-VS3	08H-VS3	4	00232	580TP	08H+ 0.73	0.88		0	20	P 2
		C	TEC-TEH	TEC-TEH		00001	610HS	08H+ 0.88	0.76		0	23	P 2
93	166	H	08H-VS3	08H-VS3	4	00230	580TP	BW1+ 1.51	0.23		0	<20	P 2
97	166	H	08H-VS3	07H-VS3	4	00233	580BC	BW1+ 1.58	0.29		0	<20	P 2
99	166	H	08H-VS3	08H-VS3	4	00232	580TP	08H+ 0.79	0.35		0	<20	P 2
		C	TEC-TEH	TEC-TEH		00001	610HS	08H+ 0.90	0.25		0	<20	P 2

CONAM NUCLEAR, INC.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 51 OF 51
DATE: 01/19/95
TIME: 10:23:45

ROW	LIN	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION		CURRENT				
			PROGRAM	ACTUAL						VOLTS	MIL	DEG	%	CH
98	167	C	TEC-TEH	TEC-TEH		00001	610HS	TSH+	0.84	0.47		143	<20	1
87	168	C	TEC-TEH	TEC-TEH		00001	610HS	BW1+	2.02	0.46		0	<20	P 2
88	169	C	TEC-TEH	TEC-TEH		00001	610HS	BW1+	1.78	0.30		0	<20	P 2
87	172	C	TEC-TEH	TEC-TEH		00001	610HS	02C+	4.66	0.43		127	<20	P 1

NUMBER OF TUBES SELECTED FROM CURRENT OUTAGE: 1478

NUMBER OF DATA RECORDS SELECTED FROM CURRENT OUTAGE: 2254

NO TREND ANALYSIS REQUESTED

DATA SELECTION CRITERIA:

Percent: MAI,MCI,MVI,SAI,SCI,SVI,BLI,OBS, 0 to 100%

REPORT OPTIONS:

Only examination results matching criteria are included



1. The first part of the document is a list of the names of the people who were present at the meeting. The names are listed in alphabetical order.



2. The second part of the document is a list of the topics that were discussed at the meeting. The topics are listed in alphabetical order.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 1 OF 42
DATE: 01/19/95
TIME: 10:36:03

ROW	LIN	PLUGS	LEG	EXAM EXTENT		EXP	CAL	PROBE	LOCATION	CURRENT				
				PROGRAM	ACTUAL					VOLTS	MIL	DEG	%	CH
85	20		C	TEC-TEH	TEC-VS3		00001	610HS	BW2+ 1.75	0.20		0	<20	P 2
95	20		C	02C-03C	02C-03C		00047	610BC	02C+ 2.70	0.14		0	SVI	P 2
86	21		C	TEC-TEH	TEC-TEH		00001	610HS	08H+ 1.24	0.74		0	23	P 2
88	21		H	BW1-VS2	BW1-VS2		00224	580TP	BW1+ 1.77	1.78		0	29	P 2
			C	TEC-TEH	TEC-TEH		00002	610HS	BW1+ 1.99	0.55		0	<20	P 2
85	22		C	TEC-TEH	TEC-TEH		00001	610HS	08H+ 1.33	0.60		0	<20	P 2
87	22		C	TEC-TEH	TEC-TEH		00040	610HS	BW1+ 1.98	1.11		0	28	P 2
89	22		C	TEC-TEH	TEC-TEH		00001	610HS	08H+ 0.87	0.62		0	20	P 2
			C	TEC-TEH	TEC-TEH		00001	610HS	BW1+ 2.00	0.89		0	25	P 2
88	23		C	TEC-TEH	TEC-TEH		00001	610HS	BW1+ 2.00	0.79		0	23	P 2
90	23		C	TEC-TEH	TEC-TEH		00002	610HS	BW1+ 2.04	0.34		0	<20	P 2
85	24		C	TEC-TEH	TEC-TEH		00001	610HS	BW1+ 2.00	0.50		0	<20	P 2
87	24		C	TEC-TEH	TEC-TEH		00001	610HS	BW1+ 1.92	0.42		0	<20	P 2
89	24		C	TEC-TEH	TEC-TEH		00001	610HS	BW1+ 1.75	0.40		0	<20	P 2
91	24		C	TEC-TEH	TEC-TEH		00001	610HS	08H+ 0.88	0.50		0	<20	P 2
86	25		C	TEC-TEH	TEC-TEH		00003	610HS	BW1+ 1.75	0.24		0	<20	P 2
88	25		C	TEC-TEH	TEC-TEH		00003	610HS	BW1+ 1.84	0.47		0	20	P 2
106	25		C	TEC-TEH	TEC-TEH		00003	610HS	BW1+ 1.92	0.23		0	<20	P 2
87	26		C	TEC-TEH	TEC-TEH		00003	610HS	07H- 0.91	0.19		0	<20	P 2
			C	TEC-TEH	TEC-TEH		00003	610HS	BW1- 1.78	0.20		0	<20	P 2
9	26		H	07H-BW1	07H-BW1		00225	580TP	BW1- 2.22	0.44		0	<20	P 2
94	27		C	TEC-TEH	TEC-TEH		00003	610HS	BW1+ 1.86	0.26		0	<20	P 2
106	27		C	TEC-TEH	TEC-TEH		00003	610HS	BW1+ 1.92	0.24		0	<20	P 2
87	28		C	TEC-TEH	TEC-TEH		00003	610HS	BW1+ 1.88	0.91		0	29	P 2
95	28		H	08H-VS3	08H-VS3	4	00294	580TP	08H+ 1.03	0.57		0	<20	P 2
			H	08H-VS3	08H-VS3	4	00294	580TP	BW1- 1.80	0.34		0	<20	P 2
			H	08H-VS3	08H-VS3	4	00294	580TP	BW1+ 2.15	0.73		0	<20	P 2
101	28		H	08H-VS3	08H-VS3	4	00293	580TP	08H+ 0.98	0.30		0	<20	P 2
			H	08H-VS3	08H-VS3	4	00293	580TP	BW1+ 1.76	0.30		0	<20	P 2
103	28		H	08H-VS3	08H-VS3	4	00294	580TP	08H+ 0.97	0.78		0	<20	P 2
			C	TEC-TEH	TEC-TEH		00003	610HS	BW1+ 1.77	0.31		0	<20	P 2
			H	08H-VS3	08H-VS3	4	00294	580TP	BW1+ 1.91	0.99		0	23	P 2
			H	08H-VS3	08H-VS3	4	00294	580TP	VS2- 1.06	0.23		0	<20	P 2
105	28		H	08H-VS3	08H-VS3	4	00291	580TP	08H- 0.24	0.21		0	<20	P 2
			H	08H-VS3	08H-VS3	4	00291	580TP	08H+ 0.88	0.46		0	<20	P 2
			C	TEC-TEH	TEC-TEH		00003	610HS	BW1+ 1.75	0.81		0	27	P 2
			H	08H-VS3	08H-VS3	4	00291	580TP	BW1+ 1.81	1.62		0	30	P 2
107	28		H	08H-VS3	08H-VS3	4	00292	580TP	08H+ 0.80	0.27		0	<20	P 2
			H	08H-VS3	08H-VS3	4	00292	580TP	BW1+ 1.75	0.33		0	<20	P 2
			C	TEC-TEH	TEC-TEH		00003	610HS	BW2+ 1.75	0.20		0	<20	P 2
111	28		H	08H-VS3	08H-VS3	4	00293	580TP	BW1+ 1.05	0.59		0	<20	P 2
80	29		H	08H-VS5	08H-VS5	4	00279	580TP	08H+ 0.74	0.76		0	<20	P 2
			H	08H-VS5	08H-VS5	4	00279	580TP	BW1+ 1.81	0.35		0	<20	P 2
82	29		H	08H-VS5	08H-VS5	4	00279	580TP	BW1+ 1.93	0.44		0	<20	P 2
84	29		H	07H-BW2	07H-BW2		00277	580TP	BW1+ 1.95	0.79		0	<20	P 2

CONAM NUCLEAR, INC.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 2 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 86 | 29 | | H | 08H-VS5 | 07H-VS5 | 4 | 00277 | 580TP | BW1+ 1.73 | 0.71 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | BW1+ 1.89 | 1.04 | | 0 | 31 | P 2 |
| | | | H | 08H-VS5 | 07H-VS5 | 4 | 00277 | 580TP | VS3- 1.02 | 1.21 | | 0 | 25 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | VS3- 0.90 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 07H-VS5 | 4 | 00277 | 580TP | VS5+ 1.01 | 0.25 | | 0 | <20 | P 2 |
| 88 | 29 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | BW1+ 1.89 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | VS2- 0.81 | 0.59 | | 0 | <20 | P 2 |
| 94 | 29 | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | BW1+ 1.75 | 0.70 | | 0 | 25 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00293 | 580TP | BW1+ 1.98 | 1.43 | | 0 | 28 | P 2 |
| 100 | 29 | | H | 08H-VS3 | 08H-VS3 | 4 | 00293 | 580TP | BW1- 1.64 | 1.07 | | 0 | 23 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | BW1- 1.61 | 0.40 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00293 | 580TP | BW1+ 1.45 | 0.38 | | 0 | <20 | P 2 |
| 102 | 29 | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | 08H+ 0.82 | 0.93 | | 0 | 29 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | 08H+ 0.90 | 0.97 | | 0 | 22 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | BW1- 1.90 | 0.86 | | 0 | 20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | BW1- 1.75 | 0.47 | | 0 | 20 | P 2 |
| 104 | 29 | | H | 08H-VS3 | 08H-VS3 | 4 | 00292 | 580TP | BW1- 2.00 | 0.41 | | 0 | <20 | P 2 |
| 106 | 29 | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | BW1- 2.20 | 0.33 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00293 | 580TP | BW1- 2.12 | 0.67 | | 0 | <20 | P 2 |
| 81 | 30 | | H | 08H-VS5 | 08H-VS5 | 4 | 00279 | 580TP | 08H+ 0.15 | 0.30 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00279 | 580TP | BW1+ 1.68 | 0.57 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00279 | 580TP | VS5+ 0.93 | 0.21 | | 0 | <20 | P 2 |
| 83 | 30 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1+ 2.07 | 0.36 | | 0 | <20 | P 2 |
| 85 | 30 | | H | 08H-VS5 | 08H-VS5 | 4 | 00277 | 580TP | BW1- 1.68 | 0.24 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00277 | 580TP | BW1+ 1.87 | 0.46 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00277 | 580TP | VS3- 0.81 | 1.37 | | 0 | 27 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | VS3- 0.65 | 1.31 | | 0 | 34 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00277 | 580TP | VS5- 0.86 | 0.30 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00277 | 580TP | VS5+ 0.78 | 0.79 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | VS5+ 0.90 | 0.41 | | 0 | <20 | P 2 |
| 87 | 30 | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | BW2+ 1.75 | 0.24 | | 0 | <20 | P 2 |
| 89 | 30 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | BW1+ 1.79 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | VS2+ 1.06 | 0.38 | | 0 | <20 | P 2 |
| 95 | 30 | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | BW1- 1.75 | 0.51 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00293 | 580TP | BW1+ 2.17 | 1.63 | | 0 | 30 | P 2 |
| 97 | 30 | | H | 08H-VS2 | 08H-VS3 | 4 | 00295 | 580TP | BW1- 1.95 | 0.67 | | 0 | <20 | P 2 |
| | | | H | VS2-VS3 | VS2-VS3 | 1 | 00224 | 580TP | VS2+ 10.38 | 0.44 | | 0 | SVI | P 2 |
| 99 | 30 | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | BW1- 1.97 | 0.82 | | 0 | 20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | BW1- 1.85 | 0.24 | | 0 | <20 | P 2 |
| 101 | 30 | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | 08H+ 0.69 | 0.58 | | 0 | 22 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00292 | 580TP | 08H+ 0.87 | 0.26 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00292 | 580TP | BW1- 2.17 | 0.38 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00292 | 580TP | BW1+ 1.88 | 0.43 | | 0 | <20 | P 2 |
| 103 | 30 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | 08H- 0.22 | 0.31 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | 08H+ 0.72 | 0.34 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



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STEAM GENERATOR : 32
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 3 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 103 | 30 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | 08H+ 1.04 | 0.85 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | BW1- 2.03 | 0.53 | | 0 | <20 | P 2 |
| 105 | 30 | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | 08H+ 0.87 | 0.64 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00040 | 610HS | 08H+ 0.98 | 0.32 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00040 | 610HS | BW2+ 1.78 | 0.29 | | 0 | <20 | P 2 |
| 107 | 30 | | H | 08H-VS3 | 08H-VS3 | 4 | 00292 | 580TP | 08H- 0.10 | 0.24 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00292 | 580TP | 08H+ 0.87 | 0.40 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00003 | 610HS | 08H+ 0.98 | 0.35 | | 0 | <20 | P 2 |
| 111 | 30 | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | BW1+ 1.70 | 0.45 | | 0 | <20 | P 2 |
| 82 | 31 | | H | 08H-VS5 | 08H-VS5 | 4 | 00279 | 580TP | 08H- 1.09 | 0.20 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00279 | 580TP | BW1+ 1.68 | 0.56 | | 0 | <20 | P 2 |
| 84 | 31 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1+ 2.12 | 0.30 | | 0 | <20 | P 2 |
| 86 | 31 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1+ 1.92 | 0.67 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 2.15 | 0.53 | | 0 | <20 | P 2 |
| 88 | 31 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | BW1+ 1.77 | 0.91 | | 0 | 20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 1.83 | 0.50 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW2+ 1.89 | 0.37 | | 0 | <20 | P 2 |
| 94 | 31 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | BW1+ 1.74 | 1.63 | | 0 | 30 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 1.91 | 0.53 | | 0 | <20 | P 2 |
| 96 | 31 | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | BW1+ 1.77 | 0.59 | | 0 | <20 | P 2 |
| 2 | 31 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | BW1+ 1.75 | 1.50 | | 0 | 28 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 1.90 | 0.56 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | VS2- 0.63 | 0.48 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | VS3+ 0.74 | 0.66 | | 0 | <20 | P 2 |
| 108 | 31 | | H | 08H-VS3 | 08H-VS3 | 4 | 00297 | 580TP | BW1+ 1.66 | 0.55 | | 0 | <20 | P 2 |
| 110 | 31 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | BW1+ 1.83 | 0.37 | | 0 | <20 | P 2 |
| 112 | 31 | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | BW1- 1.76 | 0.36 | | 0 | <20 | P 2 |
| 116 | 31 | | H | 08H-VS3 | 08H-VS3 | 4 | 00297 | 580TP | BW1- 1.75 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00297 | 580TP | BW1+ 1.73 | 0.37 | | 0 | <20 | P 2 |
| 81 | 32 | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | BW1+ 2.05 | 0.43 | | 0 | <20 | P 2 |
| 83 | 32 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1+ 2.21 | 0.53 | | 0 | <20 | P 2 |
| 85 | 32 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1+ 2.16 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | VS3- 1.04 | 0.38 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | VS5- 0.94 | 0.38 | | 0 | <20 | P 2 |
| 89 | 32 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | BW1+ 2.02 | 0.66 | | 0 | <20 | P 2 |
| 95 | 32 | | H | 08H-VS3 | 08H-VS3 | 4 | 00297 | 580TP | BW1+ 1.81 | 0.38 | | 0 | <20 | P 2 |
| 97 | 32 | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1- 2.14 | 0.23 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 07H-VS3 | 4 | 00291 | 580TP | BW1- 1.92 | 0.92 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00351 | 580BC | BW1- 1.55 | 0.41 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00351 | 580BC | VS2+ 16.11 | 0.36 | | 0 | SVI | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00351 | 580BC | VS3+ 2.23 | 0.35 | | 0 | SVI | P 2 |
| 99 | 32 | | H | 08H-VS3 | 08H-VS3 | 4 | 00351 | 580BC | BW1- 2.09 | 0.67 | | 0 | <20 | P 2 |
| 101 | 32 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | BW1- 1.80 | 0.54 | | 0 | <20 | P 2 |
| 105 | 32 | | H | 08H-VS3 | 08H-VS3 | 4 | 00295 | 580TP | 08H+ 0.88 | 0.42 | | 0 | <20 | P 2 |
| 107 | 32 | | H | 08H-VS3 | 07H-VS3 | 4 | 00297 | 580TP | 08H+ 0.93 | 0.32 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

[illegible]

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12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 4 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 109 | 32 | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | 08H- 0.20 | 1.90 | | 0 | 33 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | 08H- 0.09 | 0.48 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | 08H+ 0.80 | 0.43 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | 08H+ 0.81 | 1.62 | | 0 | 30 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | BW1+ 1.91 | 0.53 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00291 | 580TP | VS2- 0.63 | 0.37 | | 0 | <20 | P 2 |
| 80 | 33 | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | 08H+ 0.86 | 0.62 | | 0 | <20 | P 2 |
| 82 | 33 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1- 1.78 | 0.56 | | 0 | <20 | P 2 |
| 84 | 33 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | VS3- 0.83 | 0.68 | | 0 | <20 | P 2 |
| 86 | 33 | | H | 08H-VS5 | 08H-VS5 | 4 | 00279 | 580TP | BW1- 1.94 | 0.21 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00279 | 580TP | BW1+ 1.61 | 0.35 | | 0 | <20 | P 2 |
| 88 | 33 | | H | 08H-VS3 | 08H-VS3 | 4 | 00300 | 580TP | BW1- 1.89 | 0.24 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 1.82 | 0.62 | | 0 | 20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00300 | 580TP | BW1+ 2.01 | 0.79 | | 0 | <20 | P 2 |
| 90 | 33 | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 1.81 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00300 | 580TP | BW1+ 1.99 | 1.09 | | 0 | 23 | P 2 |
| 94 | 33 | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 1.77 | 0.32 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00301 | 580TP | BW1+ 1.89 | 0.93 | | 0 | 21 | P 2 |
| 98 | 33 | | H | 08H-VS3 | 08H-VS3 | 4 | 00302 | 580TP | BW1- 2.00 | 0.60 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00302 | 580TP | BW1+ 2.00 | 0.35 | | 0 | <20 | P 2 |
| 0 | 33 | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1- 1.97 | 0.27 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS5 | 4 | 00303 | 580TP | BW1- 1.77 | 0.69 | | 0 | <20 | P 2 |
| 104 | 33 | | H | 08H-VS3 | 08H-VS3 | 4 | 00300 | 580TP | BW1+ 2.00 | 0.25 | | 0 | <20 | P 2 |
| 112 | 33 | | H | 08H-VS3 | 08H-VS3 | 4 | 00302 | 580TP | BW1- 1.94 | 0.24 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00302 | 580TP | VS2+ 1.00 | 0.27 | | 0 | <20 | P 2 |
| 116 | 33 | | H | 08H-VS3 | 08H-BW1 | 4 | 00336 | 580TP | 09H+ 2.02 | 0.40 | | 0 | <20 | P 2 |
| 118 | 33 | | C | TEC-TEH | TEC-09C | | 00004 | 610HS | | | | | OBS | |
| | | | C | TEC-TEH | TEC-BW2 | | 00040 | 610HS | | | | | OBS | |
| | | | H | 08H-VS3 | 08H-VS2 | 4 | 00339 | 580TP | BW1- 1.63 | 0.44 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS2 | 4 | 00339 | 580TP | BW1+ 1.75 | 0.63 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00054 | 580SF | BW1+ 2.25 | 0.43 | | 0 | <20 | P 2 |
| 81 | 34 | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | 08H+ 0.91 | 0.85 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | BW1+ 1.94 | 0.56 | | 0 | <20 | P 2 |
| 83 | 34 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1- 2.12 | 0.56 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1+ 1.92 | 0.85 | | 0 | 20 | P 2 |
| 85 | 34 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | 08H+ 0.71 | 1.11 | | 0 | 23 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | 08H+ 0.81 | 0.40 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1- 1.71 | 0.61 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1+ 1.77 | 0.77 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | VS5+ 0.67 | 0.52 | | 0 | <20 | P 2 |
| 87 | 34 | | H | 08H-VS3 | 08H-VS3 | 4 | 00279 | 580TP | BW1+ 1.72 | 1.78 | | 0 | 32 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 1.83 | 0.74 | | 0 | 23 | P 2 |
| 89 | 34 | | H | 08H-VS3 | 08H-VS3 | 4 | 00300 | 580TP | BW1- 2.00 | 0.42 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00300 | 580TP | BW1+ 2.00 | 0.52 | | 0 | <20 | P 2 |
| 97 | 34 | | H | 08H-VS3 | 08H-VS3 | 4 | 00301 | 580TP | BW1- 1.81 | 0.27 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 5 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 107 | 34 | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 1.77 | 0.65 | | 0 | 20 | P 2 |
| 109 | 34 | | H | 08H-VS3 | 08H-VS3 | 4 | 00300 | 580TP | 08H+ 1.00 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00300 | 580TP | VS2- 1.00 | 0.26 | | 0 | <20 | P 2 |
| 111 | 34 | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | BW1+ 1.20 | 0.51 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 2.03 | 0.34 | | 0 | <20 | P 2 |
| 115 | 34 | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | BW1+ 1.76 | 0.42 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00300 | 580TP | BW1+ 1.98 | 0.39 | | 0 | <20 | P 2 |
| 121 | 34 | | H | 08H-VS3 | 08H-VS3 | 4 | 00305 | 580TP | BW1+ 2.00 | 0.62 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 2.03 | 0.45 | | 0 | <20 | P 2 |
| 80 | 35 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1- 1.95 | 0.18 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1+ 2.01 | 0.31 | | 0 | <20 | P 2 |
| 82 | 35 | | H | 08H-VS5 | 08H-VS5 | 4 | 00279 | 580TP | 08H+ 0.82 | 0.38 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00279 | 580TP | BW1- 0.97 | 0.20 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00279 | 580TP | BW1+ 1.63 | 0.29 | | 0 | <20 | P 2 |
| 84 | 35 | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | BW1- 1.60 | 1.10 | | 0 | 22 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | BW1+ 1.76 | 1.85 | | 0 | 29 | P 2 |
| 88 | 35 | | H | 08H-VS3 | 07H-VS3 | | 00097 | 580TP | 08H- 0.72 | 0.27 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 07H-VS3 | | 00097 | 580TP | BW1- 2.13 | 0.61 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 07H-VS3 | | 00097 | 580TP | BW1+ 1.68 | 1.33 | | 0 | 30 | P 2 |
| | | | H | 08H-VS3 | 07H-VS3 | | 00097 | 580TP | VS2- 1.04 | 0.36 | | 0 | <20 | P 2 |
| 90 | 35 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | BW1+ 1.80 | 1.25 | | 0 | 26 | P 2 |
| 94 | 35 | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | BW1+ 1.92 | 0.31 | | 0 | <20 | P 2 |
| 106 | 35 | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | BW1+ 1.75 | 0.75 | | 0 | <20 | P 2 |
| 110 | 35 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | 08H+ 0.80 | 0.53 | | 0 | <20 | P 2 |
| 116 | 35 | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | BW1- 1.77 | 0.76 | | 0 | <20 | P 2 |
| 81 | 36 | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | BW1- 1.08 | 0.74 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | BW1+ 1.78 | 0.98 | | 0 | <20 | P 2 |
| 83 | 36 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1+ 1.74 | 0.76 | | 0 | <20 | P 2 |
| 85 | 36 | | H | 08H-VS5 | 08H-VS5 | | 00095 | 580TP | 08H- 0.14 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | | 00095 | 580TP | 08H+ 0.78 | 0.98 | | 0 | 22 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | | 00095 | 580TP | BW1+ 1.91 | 0.56 | | 0 | <20 | P 2 |
| 87 | 36 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | 08H+ 0.90 | 0.86 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | BW1+ 2.00 | 1.51 | | 0 | 29 | P 2 |
| 89 | 36 | | H | 08H-VS3 | 08H-VS3 | | 00094 | 580TP | 08H- 0.29 | 0.90 | | 0 | 21 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00059 | 610HS | 08H- 0.13 | 0.27 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00059 | 610HS | BW1+ 2.03 | 0.47 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00094 | 580TP | BW1+ 2.04 | 2.26 | | 0 | 37 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00094 | 580TP | BW1+ 3.36 | 0.20 | | 0 | SVI | P 2 |
| 91 | 36 | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | 08H+ 0.98 | 0.52 | | 0 | <20 | P 2 |
| 97 | 36 | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | 08H+ 0.88 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | VS3- 0.62 | 0.33 | | 0 | <20 | P 2 |
| 103 | 36 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | BW1- 1.95 | 0.38 | | 0 | <20 | P 2 |
| 115 | 36 | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | BW1+ 1.62 | 0.46 | | 0 | <20 | P 2 |
| 117 | 36 | | C | TEC-TEH | TEC-TEH | 2 | 00059 | 610HS | 09H- 2.16 | 0.90 | | 0 | 24 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | 09H- 0.85 | 1.05 | | 0 | 24 | P 2 |

CONAM NUCLEAR, INC.

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 6 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 123 | 36 | | H | 08H-VS2 | 08H-VS3 | 4 | 00307 | 580TP | 09H+ 0.82 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS3 | 4 | 00307 | 580TP | VS2- 1.16 | 0.30 | | 0 | <20 | P 2 |
| 80 | 37 | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | 08H+ 0.75 | 1.25 | | 0 | 24 | P 2 |
| 82 | 37 | | H | 08H-VS5 | 08H-VS5 | 4 | 00288 | 580TP | 08H- 0.86 | 0.41 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00288 | 580TP | BW1+ 2.25 | 0.63 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00288 | 580TP | VS3+ 0.00 | 0.33 | | 0 | <20 | P 2 |
| 100 | 37 | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | BW1+ 1.85 | 0.82 | | 0 | 20 | P 2 |
| 114 | 37 | | H | 08H-VS3 | 08H-VS3 | | 00092 | 580TP | 08H+ 0.77 | 0.74 | | 0 | <20 | P 2 |
| 118 | 37 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | 09H- 0.95 | 0.59 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | BW1+ 2.00 | 0.41 | | 0 | <20 | P 2 |
| 81 | 38 | | H | 08H-VS5 | 08H-VS5 | 4 | 00283 | 580TP | BW1+ 1.80 | 0.52 | | 0 | <20 | P 2 |
| 85 | 38 | | H | 08H-VS5 | 08H-VS3 | | 00092 | 580TP | BW1+ 1.75 | 0.39 | | 0 | <20 | P 2 |
| 87 | 38 | | H | 08H-VS3 | 08H-VS3 | | 00092 | 580TP | BW1+ 2.00 | 0.44 | | 0 | <20 | P 2 |
| 89 | 38 | | H | 08H-VS3 | 08H-VS3 | | 00094 | 580TP | BW1+ 1.75 | 0.42 | | 0 | <20 | P 2 |
| 95 | 38 | | H | 08H-VS3 | 08H-VS3 | | 00092 | 580TP | VS2+ 0.34 | 0.20 | | 0 | <20 | P 2 |
| 97 | 38 | | H | 08H-VS3 | 08H-VS3 | | 00094 | 580TP | BW1+ 2.05 | 0.64 | | 0 | <20 | P 2 |
| 101 | 38 | | H | 08H-VS3 | 08H-VS3 | | 00092 | 580TP | BW1- 2.00 | 0.50 | | 0 | <20 | P 2 |
| 105 | 38 | | H | 08H-VS3 | 08H-VS3 | | 00091 | 580CP | 08H+ 35.37 | 0.17 | 0.3 | | SAI | P 2 |
| 113 | 38 | | H | 08H-VS3 | 08H-VS3 | | 00092 | 580TP | BW1+ 1.21 | 0.23 | | 0 | <20 | P 2 |
| 117 | 38 | | H | 08H-VS3 | 08H-VS3 | | 00220 | 580TP | 09H- 1.22 | 1.25 | | 0 | 22 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00220 | 580TP | 09H- 0.99 | 1.30 | | 0 | 22 | P 2 |
| | | | H | TEH-VS2 | TEH-VS2 | 2 | 00356 | 610HS | 09H- 0.94 | 0.89 | | 0 | 22 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00220 | 580TP | 09H+ 0.70 | 1.58 | | 0 | 26 | P 2 |
| | | | H | TEH-VS2 | TEH-VS2 | 2 | 00356 | 610HS | 09H+ 0.94 | 1.62 | | 0 | 32 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00220 | 580TP | BW1+ 1.71 | 0.32 | | 0 | <20 | P 2 |
| 84 | 39 | | H | 08H-VS5 | 08H-VS5 | 4 | 00280 | 580TP | BW1+ 1.63 | 0.80 | | 0 | <20 | P 2 |
| 86 | 39 | | H | 08H-VS5 | 08H-VS3 | | 00092 | 580TP | BW1+ 2.00 | 0.29 | | 0 | <20 | P 2 |
| 88 | 39 | | H | 08H-VS3 | 08H-VS3 | | 00092 | 580TP | BW1+ 2.01 | 0.56 | | 0 | <20 | P 2 |
| 90 | 39 | | H | 08H-VS2 | 08H-VS2 | | 00091 | 580CP | BW1+ 1.83 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00091 | 580CP | VS2+ 1.83 | 0.37 | 0.3 | | SAI | P 2 |
| 98 | 39 | | H | 08H-VS3 | 08H-VS3 | | 00089 | 580CP | VS3+ 1.12 | 0.29 | | 0 | <20 | P 2 |
| 118 | 39 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | 09H- 1.00 | 0.22 | | 0 | <20 | P 2 |
| 120 | 39 | | H | 08H-VS3 | 08H-VS5 | | 00099 | 580TP | 09H- 1.17 | 1.00 | | 0 | 21 | P 2 |
| 122 | 39 | | H | 08H-VS2 | 08H-VS2 | 4 | 00336 | 580TP | 09H- 0.78 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | 4 | 00336 | 580TP | 09H+ 0.74 | 0.28 | | 0 | <20 | P 2 |
| 124 | 39 | | H | 08H-VS2 | 08H-VS2 | 4 | 00306 | 580TP | 09H- 0.98 | 0.30 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | 4 | 00306 | 580TP | 09H+ 0.65 | 0.27 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | 4 | 00304 | 580TP | BW1- 1.85 | 0.90 | | 0 | 21 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | 4 | 00306 | 580TP | BW1- 1.71 | 0.18 | | 0 | <20 | P 2 |
| 126 | 39 | | H | 08H-VS3 | 08H-VS3 | 4 | 00305 | 580TP | BW1+ 1.98 | 0.55 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | BW1+ 2.13 | 0.29 | | 0 | <20 | P 2 |
| 81 | 40 | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | BW1+ 1.81 | 0.77 | | 0 | <20 | P 2 |
| 87 | 40 | | H | 08H-VS3 | 08H-VS5 | | 00089 | 580CP | BW1+ 2.00 | 1.36 | | 0 | 29 | P 2 |
| 89 | 40 | | H | 08H-VS3 | 08H-VS3 | | 00089 | 580CP | BW1+ 2.00 | 2.52 | | 0 | 38 | P 2 |
| 91 | 40 | | H | 08H-VS3 | 08H-VS3 | | 00088 | 580TP | BW1+ 1.81 | 0.43 | | 0 | SVI | P 2 |

CONAM NUCLEAR, INC.

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 7 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 91 | 40 | | C | TEC-TEH | TEC-TEH | 2 | 00059 | 610HS | BW1+ 2.17 | 0.37 | | 0 | <20 | P 2 |
| 101 | 40 | | C | TEC-TEH | TEC-TEH | 2 | 00059 | 610HS | BW1+ 1.93 | 0.41 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00091 | 580CP | VS2+ 2.26 | 0.25 | | 0.2 | SAI | P 2 |
| 103 | 40 | | H | 08H-VS3 | 08H-VS3 | | 00089 | 580CP | VS2- 0.97 | 0.50 | | 0 | <20 | P 2 |
| 107 | 40 | | H | 08H-VS3 | 08H-VS3 | | 00088 | 580TP | 08H+ 0.84 | 0.45 | | 0 | SVI | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00059 | 610HS | 08H+ 1.00 | 0.41 | | 0 | <20 | P 2 |
| 113 | 40 | | H | 08H-VS3 | 08H-VS3 | | 00092 | 580TP | BW1+ 1.80 | 0.28 | | 0 | <20 | P 2 |
| 117 | 40 | | H | 08H-VS3 | 08H-VS3 | | 00091 | 580CP | 09H- 1.09 | 0.18 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00091 | 580CP | BW1- 1.86 | 0.34 | | 0 | <20 | P 2 |
| 119 | 40 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | 09H+ 0.96 | 0.56 | | 0 | <20 | P 2 |
| 123 | 40 | | H | 08H-VS2 | 08H-VS3 | 4 | 00306 | 580TP | 09H- 0.85 | 0.66 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS3 | 4 | 00306 | 580TP | 09H+ 0.02 | 0.47 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS3 | 4 | 00306 | 580TP | VS2- 1.00 | 0.26 | | 0 | <20 | P 2 |
| 127 | 40 | | H | 08H-VS3 | 08H-VS3 | 4 | 00305 | 580TP | 09H- 0.85 | 0.47 | | 0 | <20 | P 2 |
| 129 | 40 | | H | 08H-VS3 | 08H-VS3 | 4 | 00307 | 580TP | BW1+ 1.80 | 0.35 | | 0 | <20 | P 2 |
| 82 | 41 | | H | 08H-VS5 | 08H-VS3 | 4 | 00347 | 580BC | BW1+ 1.74 | 0.46 | | 0 | <20 | P 2 |
| 84 | 41 | | H | 08H-VS5 | 08H-VS5 | 4 | 00283 | 580TP | BW1+ 1.75 | 0.42 | | 0 | <20 | P 2 |
| 96 | 41 | | H | 08H-VS3 | 08H-VS3 | | 00088 | 580TP | VS2+ 2.69 | 0.31 | | 0.7 | MAI | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00088 | 580TP | VS2+ 3.70 | 0.10 | | 0.2 | MAI | P 2 |
| 110 | 41 | | H | 08H-VS3 | 08H-VS3 | | 00089 | 580CP | VS2- 0.50 | 0.46 | | 0 | <20 | P 2 |
| 8 | 41 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | BW1- 1.74 | 0.35 | | 0 | <20 | P 2 |
| 26 | 41 | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | 09H- 0.09 | 1.10 | | 0 | 24 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | 09H+ 0.61 | 0.98 | | 0 | 22 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | 09H+ 0.62 | 0.88 | | 0 | 20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | 09H+ 0.81 | 0.77 | | 0 | 23 | P 2 |
| 85 | 42 | | H | 08H-VS5 | VS3-VS5 | | 00220 | 580TP | VS3- 0.77 | 0.64 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | VS3-VS5 | | 00220 | 580TP | VS5- 0.87 | 0.51 | | 0 | <20 | P 2 |
| 87 | 42 | | H | 08H-VS3 | 08H-VS3 | | 00085 | 580TP | BW1+ 2.01 | 0.96 | | 0 | 21 | P 2 |
| 89 | 42 | | H | 08H-VS3 | 08H-VS3 | | 00088 | 580TP | BW1+ 1.74 | 0.65 | | 0 | <20 | P 2 |
| 95 | 42 | | H | BW1-VS2 | BW1-VS2 | | 00220 | 580TP | VS2- 1.01 | 0.33 | | 0 | <20 | P 2 |
| 97 | 42 | | H | 08H-VS3 | 08H-VS3 | | 00088 | 580TP | BW1+ 2.51 | 0.31 | | 0 | SVI | P 2 |
| 103 | 42 | | H | 08H-VS3 | 08H-VS3 | | 00085 | 580TP | VS2- 0.88 | 0.61 | | 0 | <20 | P 2 |
| 105 | 42 | | H | 08H-VS3 | 08H-VS3 | | 00088 | 580TP | BW1+ 1.82 | 0.30 | | 0.6 | SAI | P 2 |
| 119 | 42 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | BW1- 1.95 | 0.44 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | BW1+ 2.00 | 0.37 | | 0 | <20 | P 2 |
| 125 | 42 | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | 09H- 1.17 | 0.96 | | 0 | 24 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | 4 | 00306 | 580TP | 09H- 0.83 | 1.12 | | 0 | 24 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | 4 | 00306 | 580TP | VS2- 0.05 | 0.41 | | 0 | <20 | P 2 |
| 127 | 42 | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | BW1+ 1.73 | 0.80 | | 0 | <20 | P 2 |
| 131 | 42 | | H | 08H-VS3 | 08H-VS3 | 4 | 00307 | 580TP | BW1+ 1.96 | 0.37 | | 0 | <20 | P 2 |
| 86 | 43 | | H | 08H-VS5 | 08H-VS3 | | 00084 | 580TP | 08H- 0.75 | 0.44 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS3 | | 00084 | 580TP | BW1+ 1.74 | 0.58 | | 0 | <20 | P 2 |
| 90 | 43 | | H | 08H-VS3 | 08H-VS3 | | 00085 | 580TP | 08H+ 0.73 | 0.33 | | 0 | <20 | P 2 |
| 94 | 43 | | H | 08H-VS3 | 08H-VS3 | | 00084 | 580TP | BW1+ 1.27 | 0.47 | | 0 | <20 | P 2 |
| 100 | 43 | | H | 08H-VS3 | 08H-VS3 | | 00089 | 580CP | VS2- 1.07 | 0.38 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



1. The first part of the document is a list of names and addresses, which appears to be a directory or a list of contacts. The names are written in a cursive script, and the addresses are listed below them.



THE
JOURNAL OF THE
ROYAL ANTHROPOLOGICAL INSTITUTE



CUMULATIVE REPORT

12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3.

STEAM GENERATOR : 32
 MAGE DATA SET : CURRENT
 SECTION VARIABLES: Percent

PAGE: 8 OF 42
 DATE: 01/19/95
 TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 118 | 43 | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | BW1- 1.76 | 0.41 | | 0 | <20 | P 2 |
| 122 | 43 | | H | 08H-VS2 | 08H-VS2 | | 00099 | 580TP | VS1+ 0.90 | 0.65 | | 0 | <20 | P 2 |
| 124 | 43 | | H | 08H-VS2 | 08H-VS2 | | 00095 | 580TP | 09H- 0.14 | 0.51 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00095 | 580TP | BW1- 2.28 | 0.24 | | 0 | <20 | P 2 |
| 126 | 43 | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | 09H- 1.10 | 0.83 | | 0 | 20 | P 2 |
| 128 | 43 | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | 09H- 1.00 | 0.78 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | 09H+ 0.77 | 0.44 | | 0 | <20 | P 2 |
| 132 | 43 | | C | TEC-TEH | TEC-TEH | | 00040 | 610HS | BW1+ 2.00 | 0.26 | | 0 | <20 | P 2 |
| 81 | 44 | | H | 08H-VS5 | 08H-VS5 | 4 | 00274 | 580TP | VS3- 1.04 | 0.55 | | 0 | <20 | P 2 |
| 87 | 44 | | H | 08H-VS3 | 08H-VS3 | | 00079 | 580TP | BW1+ 1.75 | 0.64 | | 0 | <20 | P 2 |
| 93 | 44 | | H | 08H-VS3 | 08H-VS3 | | 00084 | 580TP | 08H+ 20.39 | 0.35 | | 0.4 | SAI | P 2 |
| 101 | 44 | | H | 08H-VS3 | 08H-VS3 | | 00083 | 580CP | 08H- 0.98 | 0.44 | | 0 | <20 | P 2 |
| 109 | 44 | | H | 08H-VS3 | 08H-VS3 | | 00083 | 580CP | 08H- 0.13 | 0.40 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00083 | 580CP | BW1+ 2.01 | 0.38 | | 0 | <20 | P 2 |
| 125 | 44 | | H | 08H-VS2 | 08H-VS2 | | 00095 | 580TP | VS1+ 5.40 | 0.18 | | 0.2 | MAI | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00095 | 580TP | VS1+ 8.96 | 0.41 | | 3.0 | MAI | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00095 | 580TP | VS1+ 11.97 | 0.27 | | 0.1 | MAI | P 2 |
| 127 | 44 | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | 09H- 1.15 | 0.67 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | 09H+ 0.64 | 0.84 | | 0 | 20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00004 | 610HS | 09H+ 0.74 | 0.54 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | VS1+ 0.67 | 0.43 | | 0 | <20 | P 2 |
| 81 | 44 | | H | 08H-VS3 | 08H-VS3 | 4 | 00307 | 580TP | VS3+ 0.85 | 0.35 | | 0 | <20 | P 2 |
| 86 | 45 | | H | 08H-VS5 | 07H-VS5 | | 00079 | 580TP | BW1+ 1.57 | 0.35 | | 0 | <20 | P 2 |
| 90 | 45 | | H | 08H-VS3 | 08H-VS3 | | 00079 | 580TP | 08H- 0.00 | 0.19 | | 0 | <20 | P 2 |
| 92 | 45 | | H | 08H-VS3 | 08H-VS3 | | 00084 | 580TP | BW1+ 1.56 | 0.46 | | 0 | <20 | P 2 |
| 94 | 45 | | H | 08H-VS3 | 08H-VS3 | | 00084 | 580TP | BW1+ 1.98 | 0.40 | | 0 | <20 | P 2 |
| 96 | 45 | | H | 08H-VS3 | 08H-VS3 | | 00079 | 580TP | BW1+ 1.82 | 0.42 | | 0 | <20 | P 2 |
| 104 | 45 | | H | 08H-VS3 | 08H-VS3 | | 00079 | 580TP | 08H- 0.14 | 0.18 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00079 | 580TP | BW1+ 1.82 | 0.35 | | 0 | <20 | P 2 |
| 106 | 45 | | H | 08H-VS3 | 08H-VS3 | | 00084 | 580TP | BW1+ 2.05 | 0.60 | | 0 | <20 | P 2 |
| 108 | 45 | | H | 08H-VS3 | 08H-VS3 | | 00083 | 580CP | VS2- 0.78 | 0.34 | | 0 | <20 | P 2 |
| 112 | 45 | | H | 08H-VS3 | 08H-VS3 | | 00079 | 580TP | BW1+ 0.20 | 0.29 | | 0 | SVI | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00079 | 580TP | VS2- 1.13 | 0.32 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00079 | 580TP | VS2+ 1.05 | 0.21 | | 0 | <20 | P 2 |
| 118 | 45 | | H | 08H-VS3 | 08H-VS3 | | 00097 | 580TP | 09H- 0.83 | 0.28 | | 0 | <20 | P 2 |
| 126 | 45 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | 09H- 0.88 | 0.45 | | 0 | <20 | P 2 |
| 128 | 45 | | H | 08H-VS3 | 08H-VS3 | 4 | 00306 | 580TP | 09H- 0.90 | 0.63 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00306 | 580TP | 09H+ 0.64 | 0.73 | | 0 | <20 | P 2 |
| 81 | 46 | | H | 08H-VS5 | 08H-VS5 | 4 | 00287 | 580TP | BW1+ 1.72 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00287 | 580TP | VS3- 0.34 | 0.35 | | 0 | <20 | P 2 |
| 89 | 46 | | H | 08H-VS3 | 08H-VS3 | | 00079 | 580TP | BW1+ 1.90 | 0.42 | | 0 | <20 | P 2 |
| 101 | 46 | | H | 08H-VS3 | 08H-VS3 | | 00083 | 580CP | 08H+ 0.80 | 0.68 | | 0 | <20 | P 2 |
| 127 | 46 | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | 09H- 0.96 | 0.22 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | 09H+ 0.82 | 0.40 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00095 | 580TP | VS1+ 0.73 | 0.28 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.

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1000



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 9 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 129 | 46 | | H | 08H-VS3 | 08H-VS5 | 4 | 00306 | 580TP | BW1- 1.81 | 0.51 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS5 | 4 | 00306 | 580TP | VS3- 0.85 | 0.39 | | 0 | <20 | P 2 |
| 131 | 46 | | H | 08H-VS3 | 08H-VS3 | 4 | 00304 | 580TP | BW1+ 1.82 | 0.62 | | 0 | <20 | P 2 |
| 135 | 46 | | H | 08H-VS3 | 08H-VS1 | 4 | 00338 | 580BC | VS1+ 17.30 | | | | OBS | |
| 80 | 47 | | H | 08H-VS5 | 08H-VS5 | 4 | 00288 | 580TP | 08H- 0.85 | 0.45 | | 0 | <20 | P 2 |
| 98 | 47 | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | 08H- 0.15 | 0.92 | | 0 | 21 | P 2 |
| 104 | 47 | | H | 08H-VS3 | 08H-VS3 | | 00075 | 580CP | BW1- 1.92 | 0.28 | | 0 | <20 | P 2 |
| 106 | 47 | | H | 08H-VS3 | 08H-VS3 | | 00075 | 580CP | BW1+ 1.38 | 0.45 | | 0 | <20 | P 2 |
| 108 | 47 | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | BW1+ 1.73 | 0.37 | | 0 | <20 | P 2 |
| 110 | 47 | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | BW1- 1.89 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | BW1+ 1.91 | 0.48 | | 0 | <20 | P 2 |
| 112 | 47 | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | 08H+ 0.10 | 0.38 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | BW1- 1.86 | 0.47 | | 0 | <20 | P 2 |
| 118 | 47 | | H | 08H-VS3 | 08H-VS3 | | 00104 | 580TP | BW1+ 1.84 | 0.44 | | 0 | <20 | P 2 |
| 130 | 47 | | H | 08H-VS3 | 08H-VS3 | 4 | 00306 | 580TP | BW1+ 1.75 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00306 | 580TP | VS1+ 0.82 | 0.46 | | 0 | <20 | P 2 |
| 132 | 47 | | H | 08H-VS3 | 08H-VS3 | 4 | 00309 | 580TP | 09H- 1.00 | 0.72 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00309 | 580TP | BW1+ 2.01 | 0.54 | | 0 | <20 | P 2 |
| 83 | 48 | | H | 08H-VS5 | 08H-VS5 | 4 | 00287 | 580TP | BW1- 1.77 | 0.41 | | 0 | <20 | P 2 |
| 85 | 48 | | H | 08H-VS5 | 08H-VS5 | | 00070 | 580TP | BW1+ 1.89 | 0.39 | | 0 | <20 | P 2 |
| 9 | 48 | | H | 08H-VS3 | 08H-VS3 | | 00069 | 580TP | BW1+ 1.86 | 0.29 | | 0 | <20 | P 2 |
| 95 | 48 | | H | 08H-VS3 | 08H-VS3 | | 00074 | 580TP | BW1+ 1.73 | 0.38 | | 0 | <20 | P 2 |
| 97 | 48 | | H | 08H-VS3 | 08H-VS3 | | 00069 | 580TP | BW1- 1.95 | 0.39 | | 0 | <20 | P 2 |
| 99 | 48 | | H | 08H-VS3 | 08H-VS3 | | 00072 | 580CP | BW1+ 2.00 | 0.38 | | 0 | <20 | P 2 |
| 101 | 48 | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | BW1- 1.81 | 0.42 | | 0 | <20 | P 2 |
| 103 | 48 | | H | 08H-VS3 | 08H-VS3 | | 00074 | 580TP | VS2- 0.69 | 0.99 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00074 | 580TP | VS2+ 0.05 | 0.62 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00074 | 580TP | VS2+ 0.53 | 1.90 | | 0 | 33 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00074 | 580TP | VS3- 0.69 | 0.61 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00074 | 580TP | VS3+ 0.73 | 0.84 | | 0 | <20 | P 2 |
| 107 | 48 | | H | 08H-VS3 | 08H-VS3 | | 00072 | 580CP | BW1+ 1.97 | 0.55 | | 0 | <20 | P 2 |
| 109 | 48 | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | BW1+ 1.87 | 0.38 | | 0 | <20 | P 2 |
| 113 | 48 | | H | 08H-VS3 | 08H-VS6 | | 00069 | 580TP | VS3+ 0.81 | 0.36 | | 0 | <20 | P 2 |
| 115 | 48 | | H | 08H-VS3 | 08H-VS2 | | 00072 | 580CP | BW1- 2.14 | 0.48 | | 0 | <20 | P 2 |
| 117 | 48 | | H | 08H-VS3 | 08H-BW1 | | 00205 | 580BC | 09H- 1.06 | 0.31 | | 0 | <20 | P 2 |
| 131 | 48 | | C | TEC-TEH | TEC-TEH | | 00005 | 610HS | 09H+ 0.79 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00306 | 580TP | 09H+ 0.81 | 0.88 | | 0 | 20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00306 | 580TP | VS1- 0.87 | 0.33 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00306 | 580TP | VS1- 0.00 | 0.23 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00306 | 580TP | VS1+ 0.73 | 0.31 | | 0 | <20 | P 2 |
| 133 | 48 | | H | 08H-VS3 | 08H-VS3 | 4 | 00309 | 580TP | 09H+ 0.47 | 0.29 | | 0 | <20 | P 2 |
| 135 | 48 | | H | 08H-VS3 | 08H-VS3 | 4 | 00309 | 580TP | BW1+ 2.02 | 0.31 | | 0 | <20 | P 2 |
| 137 | 48 | | C | TEC-TEH | TEC-TEH | | 00005 | 610HS | BW1+ 2.00 | 0.18 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00314 | 580TP | BW1+ 2.42 | 0.32 | | 0 | <20 | P 2 |
| 86 | 49 | | H | 08H-VS5 | 08H-VS3 | | 00070 | 580TP | BW1+ 1.74 | 0.53 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 10 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | VOLTS | CURRENT | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|-------|---------|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | | MIL | DEG | % | CH |
| 98 | 49 | | H | 08H-VS3 | 08H-VS3 | | 00072 | 580CP | BW1- 1.95 | 0.33 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00072 | 580CP | BW1+ 2.17 | 0.50 | | 0 | <20 | P 2 |
| 110 | 49 | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | BW1+ 1.84 | 0.52 | | 0 | <20 | P 2 |
| 114 | 49 | | H | 08H-VS3 | 07H-VS3 | | 00069 | 580TP | BW1- 1.66 | 0.67 | | 0 | <20 | P 2 |
| 116 | 49 | | H | 08H-VS3 | 08H-VS3 | | 00069 | 580TP | 09H- 0.17 | 0.66 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00069 | 580TP | BW1- 1.70 | 0.56 | | 0 | <20 | P 2 |
| 118 | 49 | | H | 08H-VS3 | 08H-VS3 | | 00104 | 580TP | 09H+ 0.91 | 0.41 | | 0 | <20 | P 2 |
| 136 | 49 | | H | 08H-VS3 | 08H-VS3 | 4 | 00313 | 580TP | BW1- 1.61 | 0.39 | | 0 | <20 | P 2 |
| 87 | 50 | | H | 08H-VS3 | 08H-VS3 | 4 | 00286 | 580TP | BW1+ 1.78 | 0.40 | | 0 | <20 | P 2 |
| 95 | 50 | | H | 08H-VS3 | 08H-VS2 | | 00069 | 580TP | 08H+ 0.74 | 0.37 | | 0 | <20 | P 2 |
| 99 | 50 | | H | 08H-VS3 | 08H-VS3 | | 00065 | 580TP | BW1+ 1.91 | 0.56 | | 0 | <20 | P 2 |
| 103 | 50 | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | BW1- 1.86 | 0.21 | | 0 | <20 | P 2 |
| 115 | 50 | | H | 08H-VS3 | 08H-VS3 | | 00069 | 580TP | BW1- 1.88 | 0.58 | | 0 | <20 | P 2 |
| 121 | 50 | | H | 08H-VS3 | 08H-VS3 | | 00224 | 580TP | 09H+ 0.86 | 0.26 | | 0 | <20 | P 2 |
| 123 | 50 | | H | 08H-VS2 | 08H-VS2 | | 00105 | 580CP | VS1- 1.09 | 1.42 | | 0 | 27 | P 2 |
| 84 | 51 | | H | 08H-VS5 | 08H-VS5 | 4 | 00288 | 580TP | 08H- 0.35 | 0.39 | | 0 | <20 | P 2 |
| 86 | 51 | | H | 08H-VS5 | 08H-VS5 | 4 | 00286 | 580TP | VS5+ 0.59 | 0.34 | | 0 | <20 | P 2 |
| 104 | 51 | | H | 08H-VS3 | 08H-VS3 | | 00070 | 580TP | VS2- 0.84 | 0.33 | | 0 | <20 | P 2 |
| 108 | 51 | | H | 08H-VS3 | 08H-VS3 | | 00069 | 580TP | 08H- 0.11 | 0.33 | | 0 | <20 | P 2 |
| 114 | 51 | | H | 08H-VS3 | 08H-VS3 | | 00069 | 580TP | 08H+ 0.88 | 0.37 | | 0 | <20 | P 2 |
| 8 | 51 | | H | 08H-VS3 | 08H-VS3 | | 00104 | 580TP | 09H- 0.51 | 0.31 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00104 | 580TP | 09H+ 0.69 | 0.28 | | 0 | <20 | P 2 |
| 122 | 51 | | H | 08H-VS2 | 08H-VS2 | | 00225 | 580TP | VS1- 1.05 | 0.87 | | 0 | 22 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00225 | 580TP | VS1+ 1.14 | 1.02 | | 0 | 25 | P 2 |
| 130 | 51 | | H | 08H-VS3 | 08H-VS3 | | 00225 | 580TP | 09H+ 1.24 | 0.24 | | 0 | <20 | P 2 |
| 138 | 51 | | C | TEC-TEH | TEC-TEC | | 00005 | 610HS | TEC+ 0.00 | | | | OBS | |
| 99 | 52 | | H | 08H-VS3 | BW1-VS3 | | 00069 | 580TP | VS2- 0.69 | 0.79 | | 0 | <20 | P 2 |
| 107 | 52 | | H | 08H-VS3 | 08H-VS3 | | 00067 | 580TP | BW1+ 1.85 | 0.29 | | 0 | <20 | P 2 |
| 117 | 52 | | H | 08H-VS3 | 08H-VS3 | | 00069 | 580TP | BW1- 1.40 | 0.36 | | 0 | <20 | P 2 |
| 121 | 52 | | H | 08H-VS3 | 08H-VS3 | | 00104 | 580TP | 09H- 0.94 | 0.48 | | 0 | <20 | P 2 |
| 127 | 52 | | H | 08H-VS3 | 08H-VS3 | | 00104 | 580TP | VS1+ 0.85 | 0.50 | | 0 | <20 | P 2 |
| 129 | 52 | | H | 08H-VS3 | 08H-VS3 | | 00225 | 580TP | 09H- 1.19 | 0.23 | | 0 | <20 | P 2 |
| 135 | 52 | | H | 08H-VS3 | 08H-BW1 | 4 | 00342 | 600BC | 09H+ 0.80 | 0.40 | | 0 | <20 | P 2 |
| 137 | 52 | | C | TEC-TEH | TEC-TEH | | 00005 | 610HS | BW1+ 1.89 | 0.50 | | 0 | <20 | P 2 |
| 84 | 53 | | H | 08H-VS5 | 08H-VS5 | 4 | 00288 | 580TP | BW1+ 1.78 | 0.25 | | 0 | <20 | P 2 |
| 86 | 53 | | H | 08H-VS5 | 08H-VS5 | 4 | 00286 | 580TP | 08H+ 0.77 | 0.43 | | 0 | <20 | P 2 |
| 106 | 53 | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | 08H+ 0.77 | 0.42 | | 0 | <20 | P 2 |
| 110 | 53 | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | 08H- 0.91 | 0.32 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | BW1- 2.03 | 0.24 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | BW1+ 1.46 | 0.29 | | 0 | <20 | P 2 |
| 114 | 53 | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | BW1+ 1.59 | 0.37 | | 0 | <20 | P 2 |
| 116 | 53 | | H | 08H-VS3 | 08H-VS3 | | 00065 | 580TP | 09H+ 0.54 | 1.26 | | 0 | 28 | P 2 |
| 118 | 53 | | H | 08H-VS3 | 08H-VS3 | | 00104 | 580TP | 09H- 0.98 | 0.32 | | 0 | <20 | P 2 |
| 124 | 53 | | H | 08H-VS2 | 08H-VS2 | | 00105 | 580CP | 09H+ 1.00 | 0.32 | | 0 | <20 | P 2 |
| 83 | 54 | | H | 08H-VS5 | 08H-VS5 | 4 | 00288 | 580TP | 09H+ 0.10 | 0.36 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 11 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | VOLTS | CURRENT | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|-------|---------|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | | MIL | DEG | % | CH |
| 83 | 54 | | H | 08H-VS5 | 08H-VS5 | 4 | 00288 | 580TP | BW1+ 1.79 | 0.59 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00288 | 580TP | VS3+ 0.74 | 0.33 | | 0 | <20 | P 2 |
| 85 | 54 | | H | 08H-VS5 | 08H-VS5 | 4 | 00286 | 580TP | BW1+ 1.66 | 0.38 | | 0 | <20 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00286 | 580TP | VS3+ 0.99 | 0.94 | | 0 | 23 | P 2 |
| | | | H | 08H-VS5 | 08H-VS5 | 4 | 00286 | 580TP | VS5- 1.00 | 0.56 | | 0 | <20 | P 2 |
| 89 | 54 | | H | 08H-VS3 | 08H-VS3 | 4 | 00283 | 580TP | BW1+ 2.08 | 0.42 | | 0 | <20 | P 2 |
| 109 | 54 | | H | 08H-VS3 | 08H-VS3 | | 00061 | 580TP | BW1+ 1.72 | 0.35 | | 0 | <20 | P 2 |
| 113 | 54 | | H | 08H-VS3 | 08H-BW1 | | 00204 | 580BC | BW1+ 2.23 | 0.47 | | 0 | <20 | P 2 |
| 115 | 54 | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | BW1+ 1.80 | 0.52 | | 0 | <20 | P 2 |
| 117 | 54 | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | 09H+ 0.18 | 1.54 | | 0 | 30 | P 2 |
| 119 | 54 | | H | 08H-VS3 | 08H-VS3 | | 00228 | 580TP | 09H- 1.02 | 0.72 | | 0 | <20 | P 2 |
| 125 | 54 | | H | 08H-VS2 | 08H-VS2 | | 00228 | 580TP | VS1- 1.04 | 0.81 | | 0 | <20 | P 2 |
| 135 | 54 | | H | 08H-VS3 | 08H-VS3 | | 00105 | 580CP | BW1- 2.03 | 0.73 | | 0 | <20 | P 2 |
| 96 | 55 | | H | 08H-VS3 | 08H-VS3 | | 00061 | 580TP | 08H- 0.17 | 0.52 | | 0 | <20 | P 2 |
| 108 | 55 | | H | 08H-VS3 | 08H-VS3 | | 00061 | 580TP | BW1- 2.02 | 0.84 | | 0 | <20 | P 2 |
| 114 | 55 | | H | 08H-VS3 | 08H-VS3 | | 00061 | 580TP | 08H- 0.12 | 0.62 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00061 | 580TP | BW1+ 1.48 | 0.37 | | 0 | <20 | P 2 |
| 116 | 55 | | H | 08H-VS3 | 08H-VS5 | | 00062 | 580TP | 08H+ 0.83 | 0.71 | | 0 | <20 | P 2 |
| 118 | 55 | | H | 08H-VS3 | 08H-VS3 | | 00104 | 580TP | 09H- 1.18 | 0.73 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00104 | 580TP | 09H+ 1.21 | 0.38 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00104 | 580TP | BW1- 1.80 | 0.50 | | 0 | <20 | P 2 |
| 120 | 55 | | H | 08H-VS3 | 08H-VS3 | | 00109 | 580TP | 09H- 1.00 | 0.63 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00109 | 580TP | 09H- 0.07 | 0.57 | | 0 | <20 | P 2 |
| 122 | 55 | | H | 08H-VS2 | 08H-VS3 | | 00228 | 580TP | VS1+ 0.99 | 0.43 | | 0 | <20 | P 2 |
| 124 | 55 | | H | 08H-VS2 | 08H-VS2 | | 00104 | 580TP | 09H+ 0.02 | 0.43 | | 0 | <20 | P 2 |
| 128 | 55 | | H | 08H-VS3 | 08H-VS3 | | 00228 | 580TP | VS3+ 0.86 | 0.27 | | 0 | <20 | P 2 |
| 132 | 55 | | H | 08H-VS3 | 08H-09H | | 00226 | 610BC | 09H- 0.71 | 0.25 | | 0 | <20 | P 2 |
| 144 | 55 | | H | 09H-BW1 | 09H-BW1 | 1 | 00226 | 610BC | 09H+ 0.05 | 0.22 | | 0 | <20 | P 2 |
| 105 | 56 | | H | 08H-VS3 | 08H-VS3 | | 00061 | 580TP | BW1+ 1.51 | 0.47 | | 0 | <20 | P 2 |
| 107 | 56 | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | 08H+ 0.84 | 0.91 | | 0 | 21 | P 2 |
| 111 | 56 | | H | 08H-VS3 | 08H-VS3 | | 00060 | 580TP | 08H- 1.01 | 0.26 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00060 | 580TP | 08H+ 0.82 | 0.83 | | 0 | 24 | P 2 |
| 113 | 56 | | H | 08H-VS3 | 08H-VS3 | | 00061 | 580TP | 08H- 0.24 | 0.86 | | 0 | <20 | P 2 |
| 117 | 56 | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | 09H- 0.60 | 0.84 | | 0 | 20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | 09H+ 0.64 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | BW1- 1.72 | 0.43 | | 0 | <20 | P 2 |
| 121 | 56 | | H | 08H-VS3 | 08H-VS2 | | 00228 | 580TP | 09H- 0.39 | 0.53 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS2 | | 00228 | 580TP | 09H- 0.35 | 0.60 | | 0 | <20 | P 2 |
| 129 | 56 | | H | 08H-VS3 | 08H-VS3 | | 00110 | 580TP | 09H- 0.05 | 0.52 | | 0 | <20 | P 2 |
| 135 | 56 | | H | 08H-VS3 | 08H-VS3 | | 00109 | 580TP | BW1- 1.59 | 0.36 | | 0 | <20 | P 2 |
| 139 | 56 | | H | 08H-VS3 | 08H-VS3 | 4 | 00318 | 580TP | BW1+ 1.77 | 0.73 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00005 | 610HS | BW1+ 2.00 | 0.33 | | 0 | <20 | P 2 |
| 141 | 56 | | H | 08H-VS3 | 08H-VS3 | 4 | 00314 | 580TP | BW1- 2.02 | 0.62 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00005 | 610HS | BW1- 2.00 | 0.55 | | 0 | <20 | P 2 |
| 94 | 57 | | H | 08H-VS3 | 08H-VS3 | | 00062 | 580TP | 08H- 0.06 | 0.35 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



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 WWW: WWW.CHICAGO.EDU



1. The first step is to identify the problem.
 2. The second step is to define the problem.
 3. The third step is to analyze the problem.
 4. The fourth step is to develop a solution.
 5. The fifth step is to implement the solution.
 6. The sixth step is to evaluate the solution.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
WATAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 12 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 118 | 57 | | H | 08H-VS3 | 08H-VS3 | | 00110 | 580TP | 09H+ 0.92 | 0.62 | | 0 | <20 | P 2 |
| 122 | 57 | | H | 08H-VS2 | 08H-VS2 | | 00228 | 580TP | BW1+ 1.53 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00228 | 580TP | VS1+ 0.87 | 0.97 | | 0 | 22 | P 2 |
| 124 | 57 | | H | 08H-VS2 | 08H-VS3 | | 00110 | 580TP | 09H+ 0.81 | 0.77 | | 0 | 20 | P 2 |
| 126 | 57 | | H | 08H-VS3 | 08H-VS1 | | 00109 | 580TP | BW1- 1.44 | 0.29 | | 0 | <20 | P 2 |
| 136 | 57 | | H | 08H-VS3 | 08H-VS3 | | 00109 | 580TP | 09H+ 0.57 | 0.31 | | 0 | <20 | P 2 |
| 140 | 57 | | H | 08H-VS3 | 08H-VS3 | 4 | 00318 | 580TP | BW1+ 1.78 | 0.99 | | 0 | 22 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00005 | 610HS | BW1+ 1.91 | 0.32 | | 0 | <20 | P 2 |
| 142 | 57 | | H | 08H-VS3 | 08H-VS3 | 4 | 00314 | 580TP | 09H+ 0.84 | 0.32 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00314 | 580TP | BW1+ 1.92 | 0.37 | | 0 | <20 | P 2 |
| 144 | 57 | | C | TEC-TEH | TEC-TEH | | 00005 | 610HS | 08H+ 0.77 | 0.30 | | 0 | <20 | P 2 |
| 93 | 58 | | H | 08H-VS3 | 08H-VS3 | | 00056 | 580CP | 08H- 0.13 | 0.26 | | 0 | <20 | P 2 |
| 95 | 58 | | H | 08H-VS3 | 08H-VS3 | | 00056 | 580CP | 08H+ 0.85 | 0.31 | | 0 | <20 | P 2 |
| 109 | 58 | | H | 08H-VS3 | 08H-VS3 | | 00060 | 580TP | 08H+ 0.95 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00060 | 580TP | BW1+ 2.07 | 1.05 | | 0 | SVI | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00059 | 610HS | BW1+ 2.31 | 0.30 | | 0 | <20 | P 2 |
| 111 | 58 | | H | 08H-VS3 | 08H-VS3 | | 00060 | 580TP | 08H- 1.10 | 0.46 | | 0 | <20 | P 2 |
| 117 | 58 | | H | 08H-VS3 | 08H-VS3 | | 00060 | 580TP | 09H- 1.14 | 0.68 | | 0 | 20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00060 | 580TP | 09H+ 0.83 | 0.77 | | 0 | 22 | P 2 |
| 119 | 58 | | H | 08H-VS3 | 08H-VS3 | | 00111 | 580TP | 09H- 0.88 | 0.62 | | 0 | <20 | P 2 |
| 99 | 58 | | H | 08H-VS3 | 08H-VS3 | | 00116 | 580TP | VS1- 0.99 | 0.18 | | 0 | <20 | P 2 |
| 141 | 58 | | H | 08H-VS3 | 08H-VS3 | 4 | 00318 | 580TP | VS1+ 0.67 | 0.54 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00318 | 580TP | VS3+ 0.98 | 0.70 | | 0 | <20 | P 2 |
| 86 | 59 | | H | BW1-VS3 | BW1-VS3 | | 00228 | 580TP | BW1+ 1.72 | 0.63 | | 0 | <20 | P 2 |
| | | | H | BW1-VS3 | BW1-VS3 | | 00228 | 580TP | VS3- 0.10 | 0.45 | | 0 | <20 | P 2 |
| 92 | 59 | | H | 08H-VS3 | 08H-VS3 | | 00056 | 580CP | 08H- 0.12 | 0.25 | | 0 | <20 | P 2 |
| 96 | 59 | | H | 08H-VS3 | 08H-VS3 | | 00056 | 580CP | 08H+ 0.93 | 0.33 | | 0 | <20 | P 2 |
| 104 | 59 | | H | 08H-VS3 | 08H-VS3 | | 00056 | 580CP | VS2- 1.14 | 0.22 | | 0 | <20 | P 2 |
| 112 | 59 | | H | 08H-VS3 | 08H-VS3 | | 00056 | 580CP | VS2+ 1.33 | 0.30 | | 0 | <20 | P 2 |
| 114 | 59 | | H | 08H-VS3 | 08H-VS3 | | 00056 | 580CP | 08H- 1.03 | 0.48 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00056 | 580CP | 08H+ 0.86 | 0.80 | | 0 | <20 | P 2 |
| 118 | 59 | | H | 08H-VS3 | 08H-VS3 | | 00111 | 580TP | 08H+ 41.80 | 0.22 | | 0.7 | SAI | P 1 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00111 | 580TP | 09H- 1.62 | 0.47 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00111 | 580TP | 09H+ 1.00 | 0.97 | | 0 | 22 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00111 | 580TP | BW1+ 1.48 | 0.60 | | 0 | <20 | P 2 |
| 122 | 59 | | H | 08H-VS2 | 08H-VS2 | | 00115 | 580TP | VS1+ 0.89 | 0.78 | | 0 | <20 | P 2 |
| 126 | 59 | | H | 08H-VS3 | 08H-VS3 | | 00116 | 580TP | BW1+ 14.53 | 0.38 | | 0.2 | SAI | P 2 |
| 128 | 59 | | H | 08H-VS3 | 08H-VS3 | | 00111 | 580TP | 09H- 0.94 | 0.55 | | 0 | <20 | P 2 |
| 130 | 59 | | H | 08H-VS3 | 08H-VS3 | | 00111 | 580TP | VS1- 1.21 | 0.65 | | 0 | <20 | P 2 |
| 144 | 59 | | H | 08H-VS3 | 08H-VS3 | 4 | 00314 | 580TP | VS2- 0.87 | 0.46 | | 0 | <20 | P 2 |
| 93 | 60 | | H | 08H-VS3 | 08H-VS3 | | 00049 | 580TP | 08H+ 0.94 | 0.41 | | 0 | <20 | P 2 |
| 105 | 60 | | H | 08H-VS3 | 08H-VS3 | | 00049 | 580TP | 08H+ 36.18 | 0.81 | | 0 | SVI | P 2 |
| 113 | 60 | | H | 08H-VS3 | 08H-VS3 | | 00049 | 580TP | BW1+ 1.90 | 0.50 | | 0 | <20 | P 2 |
| 117 | 60 | | H | 08H-VS3 | 08H-VS3 | | 00049 | 580TP | 09H- 0.74 | 1.59 | | 0 | 32 | P 2 |
| 119 | 60 | | H | 08H-VS3 | 08H-VS3 | | 00115 | 580TP | 09H+ 0.76 | 1.10 | | 0 | 24 | P 2 |



1. The first part of the document is a list of names and addresses, which appears to be a directory or a list of contacts. The names are written in a cursive script, and the addresses are listed below them.



1. The first part of the document is a list of names and addresses, which appears to be a directory or a list of contacts. The names are written in a cursive script, and the addresses are listed below them.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 13 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 125 | 60 | | H | 08H-VS2 | 08H-VS3 | | 00111 | 580TP | 09H- 0.86 | 0.67 | | 0 | <20 | P 2 |
| 143 | 60 | | H | 08H-VS3 | 08H-VS3 | 4 | 00318 | 580TP | VS1- 0.85 | 0.50 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00005 | 610HS | VS1+ 0.68 | 0.45 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00318 | 580TP | VS1+ 0.90 | 0.33 | | 0 | <20 | P 2 |
| 86 | 61 | | H | 08H-BW1 | 08H-BW1 | | 00226 | 610BC | BW1- 2.44 | 0.55 | | 0 | <20 | P 2 |
| 108 | 61 | | H | 08H-VS3 | BW1-VS3 | | 00260 | 580TP | BW1+ 1.86 | 0.27 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-BW1 | | 00204 | 580BC | BW1+ 1.88 | 0.40 | | 0 | <20 | P 2 |
| 112 | 61 | | H | 08H-VS3 | 08H-VS3 | | 00043 | 580TP | VS2+ 1.02 | 0.68 | | 0 | 20 | P 2 |
| 114 | 61 | | H | 08H-VS3 | 08H-VS3 | | 00043 | 580TP | 08H+ 0.83 | 0.57 | | 0 | <20 | P 2 |
| 116 | 61 | | H | 08H-VS3 | 08H-VS3 | | 00043 | 580TP | BW1+ 1.81 | 0.36 | | 0 | <20 | P 2 |
| 120 | 61 | | H | 08H-VS3 | 08H-VS3 | | 00111 | 580TP | 09H+ 0.36 | 0.37 | | 0 | <20 | P 2 |
| 122 | 61 | | H | 08H-VS2 | 08H-VS2 | | 00115 | 580TP | VS1- 1.03 | 0.36 | | 0 | <20 | P 2 |
| 124 | 61 | | H | 08H-VS2 | 08H-VS3 | | 00116 | 580TP | 09H+ 0.72 | 1.30 | | 0 | 27 | P 2 |
| | | | H | 08H-VS2 | 08H-VS3 | | 00116 | 580TP | 09H+ 0.72 | 1.08 | | 0 | 24 | P 2 |
| | | | H | 08H-VS2 | 08H-VS3 | | 00116 | 580TP | VS1+ 0.00 | 0.73 | | 0 | <20 | P 2 |
| 126 | 61 | | H | 08H-VS3 | 08H-VS3 | | 00116 | 580TP | 09H- 0.79 | 0.27 | | 0 | <20 | P 2 |
| 138 | 61 | | H | 08H-VS3 | 08H-VS3 | | 00111 | 580TP | BW1+ 1.72 | 0.44 | | 0 | <20 | P 2 |
| 144 | 61 | | H | 08H-VS3 | 09H-VS3 | 4 | 00318 | 580TP | VS1+ 0.94 | 0.30 | | 0 | <20 | P 2 |
| 146 | 61 | | H | 08H-VS3 | 08H-VS3 | 4 | 00314 | 580TP | VS2+ 0.28 | 0.31 | | 0 | <20 | P 2 |
| 107 | 62 | | H | 08H-VS3 | 08H-VS3 | | 00043 | 580TP | 08H+ 0.83 | 0.53 | | 0 | <20 | P 2 |
| 111 | 62 | | H | 08H-VS3 | 08H-VS3 | | 00043 | 580TP | 08H- 0.22 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00043 | 580TP | 08H+ 0.81 | 0.75 | | 0 | 21 | P 2 |
| 113 | 62 | | H | 08H-VS3 | 08H-VS3 | | 00040 | 580TP | 08H+ 0.79 | 0.76 | | 0 | <20 | P 2 |
| 117 | 62 | | H | 08H-VS3 | 08H-VS3 | | 00043 | 580TP | 09H- 1.44 | 0.48 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00043 | 580TP | 09H+ 0.06 | 0.64 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00043 | 580TP | BW1+ 1.70 | 0.45 | | 0 | <20 | P 2 |
| 123 | 62 | | H | 08H-VS2 | 08H-VS2 | | 00233 | 580TP | 09H+ 0.01 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00233 | 580TP | VS1+ 0.73 | 0.27 | | 0 | <20 | P 2 |
| 133 | 62 | | H | 08H-VS3 | 09H-VS3 | | 00116 | 580TP | VS1- 0.06 | 0.69 | | 0 | <20 | P 2 |
| 139 | 62 | | H | 08H-VS3 | 08H-VS3 | | 00115 | 580TP | BW1+ 0.23 | 0.45 | | 1.3 | SAI | P 2 |
| 143 | 62 | | H | 08H-VS3 | 08H-VS3 | | 00116 | 580TP | BW1- 1.93 | 0.30 | | 0.2 | SAI | P 2 |
| 147 | 62 | | H | 08H-VS3 | 08H-VS3 | 4 | 00314 | 580TP | 08H+ 0.80 | 0.42 | | 0 | <20 | P 2 |
| 86 | 63 | | H | 08H-VS3 | 08H-VS3 | | 00228 | 580TP | VS3- 0.66 | 0.73 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00228 | 580TP | VS3+ 0.66 | 0.67 | | 0 | <20 | P 2 |
| 124 | 63 | | H | 08H-VS2 | 08H-VS2 | | 00120 | 580TP | 09H- 0.18 | 1.32 | | 0 | 28 | P 2 |
| 128 | 63 | | H | 08H-VS3 | 08H-VS3 | | 00112 | 580TP | 09H- 0.82 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00112 | 580TP | VS1+ 0.84 | 0.37 | | 0 | <20 | P 2 |
| 150 | 63 | | H | 08H-VS3 | 08H-VS3 | 4 | 00320 | 580TP | 08H+ 0.68 | 0.23 | | 0 | <20 | P 2 |
| 119 | 64 | | H | 08H-VS3 | 08H-VS3 | | 00120 | 580TP | 09H+ 0.83 | 1.71 | | 0 | 32 | P 2 |
| 121 | 64 | | H | 08H-VS3 | 08H-VS3 | | 00122 | 580TP | BW1+ 4.00 | 0.80 | | 0 | SVI | P 2 |
| 123 | 64 | | H | 08H-VS2 | 08H-VS2 | | 00119 | 580TP | 09H- 0.99 | 0.93 | | 0 | <20 | P 2 |
| 127 | 64 | | H | 08H-VS3 | 08H-VS3 | | 00120 | 580TP | 09H+ 0.84 | 1.92 | | 0 | 34 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00120 | 580TP | 09H+ 0.85 | 1.80 | | 0 | 33 | P 2 |
| 135 | 64 | | H | 08H-VS3 | 08H-VS3 | | 00120 | 580TP | BW1+ 1.83 | 0.30 | | 0 | <20 | P 2 |
| 96 | 65 | | H | 08H-VS3 | 08H-VS3 | | 00041 | 580BC | 08H- 0.83 | 0.28 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



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1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100. 101. 102. 103. 104. 105. 106. 107. 108. 109. 110. 111. 112. 113. 114. 115. 116. 117. 118. 119. 120. 121. 122. 123. 124. 125. 126. 127. 128. 129. 130. 131. 132. 133. 134. 135. 136. 137. 138. 139. 140. 141. 142. 143. 144. 145. 146. 147. 148. 149. 150. 151. 152. 153. 154. 155. 156. 157. 158. 159. 160. 161. 162. 163. 164. 165. 166. 167. 168. 169. 170. 171. 172. 173. 174. 175. 176. 177. 178. 179. 180. 181. 182. 183. 184. 185. 186. 187. 188. 189. 190. 191. 192. 193. 194. 195. 196. 197. 198. 199. 200. 201. 202. 203. 204. 205. 206. 207. 208. 209. 210. 211. 212. 213. 214. 215. 216. 217. 218. 219. 220. 221. 222. 223. 224. 225. 226. 227. 228. 229. 230. 231. 232. 233. 234. 235. 236. 237. 238. 239. 240. 241. 242. 243. 244. 245. 246. 247. 248. 249. 250. 251. 252. 253. 254. 255. 256. 257. 258. 259. 260. 261. 262. 263. 264. 265. 266. 267. 268. 269. 270. 271. 272. 273. 274. 275. 276. 277. 278. 279. 280. 281. 282. 283. 284. 285. 286. 287. 288. 289. 290. 291. 292. 293. 294. 295. 296. 297. 298. 299. 300. 301. 302. 303. 304. 305. 306. 307. 308. 309. 310. 311. 312. 313. 314. 315. 316. 317. 318. 319. 320. 321. 322. 323. 324. 325. 326. 327. 328. 329. 330. 331. 332. 333. 334. 335. 336. 337. 338. 339. 340. 341. 342. 343. 344. 345. 346. 347. 348. 349. 350. 351. 352. 353. 354. 355. 356. 357. 358. 359. 360. 361. 362. 363. 364. 365. 366. 367. 368. 369. 370. 371. 372. 373. 374. 375. 376. 377. 378. 379. 380. 381. 382. 383. 384. 385. 386. 387. 388. 389. 390. 391. 392. 393. 394. 395. 396. 397. 398. 399. 400. 401. 402. 403. 404. 405. 406. 407. 408. 409. 410. 411. 412. 413. 414. 415. 416. 417. 418. 419. 420. 421. 422. 423. 424. 425. 426. 427. 428. 429. 430. 431. 432. 433. 434. 435. 436. 437. 438. 439. 440. 441. 442. 443. 444. 445. 446. 447. 448. 449. 450. 451. 452. 453. 454. 455. 456. 457. 458. 459. 460. 461. 462. 463. 464. 465. 466. 467. 468. 469. 470. 471. 472. 473. 474. 475. 476. 477. 478. 479. 480. 481. 482. 483. 484. 485. 486. 487. 488. 489. 490. 491. 492. 493. 494. 495. 496. 497. 498. 499. 500. 501. 502. 503. 504. 505. 506. 507. 508. 509. 510. 511. 512. 513. 514. 515. 516. 517. 518. 519. 520. 521. 522. 523. 524. 525. 526. 527. 528. 529. 530. 531. 532. 533. 534. 535. 536. 537. 538. 539. 540. 541. 542. 543. 544. 545. 546. 547. 548. 549. 550. 551. 552. 553. 554. 555. 556. 557. 558. 559. 560. 561. 562. 563. 564. 565. 566. 567. 568. 569. 570. 571. 572. 573. 574. 575. 576. 577. 578. 579. 580. 581. 582. 583. 584. 585. 586. 587. 588. 589. 590. 591. 592. 593. 594. 595. 596. 597. 598. 599. 600. 601. 602. 603. 604. 605. 606. 607. 608. 609. 610. 611. 612. 613. 614. 615. 616. 617. 618. 619. 620. 621. 622. 623. 624. 625. 626. 627. 628. 629. 630. 631. 632. 633. 634. 635. 636. 637. 638. 639. 640. 641. 642. 643. 644. 645. 646. 647. 648. 649. 650. 651. 652. 653. 654. 655. 656. 657. 658. 659. 660. 661. 662. 663. 664. 665. 666. 667. 668. 669. 670. 671. 672. 673. 674. 675. 676. 677. 678. 679. 680. 681. 682. 683. 684. 685. 686. 687. 688. 689. 690. 691. 692. 693. 694. 695. 696. 697. 698. 699. 700. 701. 702. 703. 704. 705. 706. 707. 708. 709. 710. 711. 712. 713. 714. 715. 716. 717. 718. 719. 720. 721. 722. 723. 724. 725. 726. 727. 728. 729. 730. 731. 732. 733. 734. 735. 736. 737. 738. 739. 740. 741. 742. 743. 744. 745. 746. 747. 748. 749. 750. 751. 752. 753. 754. 755. 756. 757. 758. 759. 760. 761. 762. 763. 764. 765. 766. 767. 768. 769. 770. 771. 772. 773. 774. 775. 776. 777. 778. 779. 780. 781. 782. 783. 784. 785. 786. 787. 788. 789. 790. 791. 792. 793. 794. 795. 796. 797. 798. 799. 800. 801. 802. 803. 804. 805. 806. 807. 808. 809. 810. 811. 812. 813. 814. 815. 816. 817. 818. 819. 820. 821. 822. 823. 824. 825. 826. 827. 828. 829. 830. 831. 832. 833. 834. 835. 836. 837. 838. 839. 840.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 14 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 96 | 65 | | H | 08H-VS3 | 08H-VS3 | | 00041 | 580BC | 08H+ 0.79 | 0.35 | | 0 | <20 | P 2 |
| 106 | 65 | | H | 08H-VS3 | 08H-VS3 | | 00036 | 580CP | BW1+ 1.87 | 0.58 | | 0 | <20 | P 2 |
| 112 | 65 | | H | 08H-VS3 | 08H-VS3 | | 00036 | 580CP | 08H- 0.28 | 0.48 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00036 | 580CP | 08H+ 0.75 | 0.56 | | 0 | <20 | P 2 |
| 116 | 65 | | H | 08H-VS3 | 08H-VS3 | | 00036 | 580CP | 08H- 0.23 | 0.33 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00036 | 580CP | 08H+ 0.75 | 0.34 | | 0 | <20 | P 2 |
| 118 | 65 | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | 09H- 0.94 | 0.52 | | 0 | <20 | P 2 |
| 120 | 65 | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | 09H- 0.94 | 1.47 | | 0 | 25 | P 2 |
| 122 | 65 | | H | 08H-VS2 | 08H-VS2 | | 00120 | 580TP | VS1+ 0.95 | 0.51 | | 0 | <20 | P 2 |
| 124 | 65 | | H | 08H-VS2 | 08H-VS5 | | 00122 | 580TP | 09H+ 0.82 | 1.14 | | 0 | 24 | P 2 |
| 126 | 65 | | H | 08H-VS3 | 08H-VS3 | | 00122 | 580TP | 09H- 1.00 | 0.52 | | 0 | <20 | P 2 |
| 134 | 65 | | H | 08H-VS3 | 08H-VS3 | | 00120 | 580TP | VS1+ 0.84 | 0.60 | | 0 | <20 | P 2 |
| 148 | 65 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | 09H+ 0.74 | 0.18 | | 0 | <20 | P 2 |
| 1 | 66 | | H | TSH-01H | TSH-01H | 1 | 00258 | 610BC | TSH+ 0.06 | 0.91 | | 0 | SVI | P 2 |
| 89 | 66 | | C | TEC-TEH | TEC-TEH | | 00031 | 610HS | VS2+ 0.12 | 0.27 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00031 | 610HS | VS2+ 0.85 | 0.30 | | 0 | <20 | P 2 |
| 117 | 66 | | H | 08H-VS3 | 08H-VS3 | | 00036 | 580CP | 09H- 1.19 | 0.49 | | 0 | <20 | P 2 |
| 119 | 66 | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | 09H- 0.88 | 1.23 | | 0 | 22 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | BW1+ 1.93 | 0.52 | | 0 | <20 | P 2 |
| 123 | 66 | | H | 08H-VS2 | 08H-VS2 | | 00120 | 580TP | 09H- 0.94 | 1.88 | | 0 | 34 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00120 | 580TP | 09H- 0.88 | 1.54 | | 0 | 30 | P 2 |
| 129 | 66 | | H | 08H-VS3 | 08H-VS3 | | 00120 | 580TP | BW1+ 1.82 | 1.01 | | 0 | 23 | P 2 |
| 145 | 66 | | H | 08H-VS3 | 08H-VS3 | | 00230 | 580TP | VS1- 0.89 | 0.27 | | 0 | <20 | P 2 |
| 147 | 66 | | H | 08H-VS3 | 08H-VS3 | | 00122 | 580TP | BW1- 1.73 | 1.25 | | 0 | 27 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00122 | 580TP | BW1+ 1.77 | 0.63 | | 0 | <20 | P 2 |
| 110 | 67 | | H | 08H-VS3 | 08H-VS3 | | 00204 | 580BC | 08H+ 1.37 | 0.31 | | 0 | <20 | P 2 |
| 116 | 67 | | H | 08H-VS3 | 08H-VS3 | | 00035 | 580CP | VS2- 1.00 | 0.65 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00035 | 580CP | VS3- 1.00 | 0.55 | | 0 | <20 | P 2 |
| 118 | 67 | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | 09H- 0.95 | 0.46 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | 09H+ 0.72 | 0.55 | | 0 | <20 | P 2 |
| 120 | 67 | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | 09H- 0.88 | 0.86 | | 0 | <20 | P 2 |
| 124 | 67 | | H | 08H-VS2 | 08H-VS3 | | 00122 | 580TP | 09H- 0.20 | 1.15 | | 0 | 26 | P 2 |
| 128 | 67 | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | VS1+ 0.83 | 0.68 | | 0 | <20 | P 2 |
| 136 | 67 | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | 09H- 0.07 | 0.55 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | BW1+ 1.75 | 0.66 | | 0 | <20 | P 2 |
| 140 | 67 | | H | 08H-VS3 | 08H-VS3 | | 00120 | 580TP | VS1- 0.88 | 0.86 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00120 | 580TP | VS1+ 0.93 | 0.72 | | 0 | <20 | P 2 |
| 142 | 67 | | H | 08H-VS3 | 08H-VS3 | | 00119 | 580TP | BW1+ 1.75 | 0.43 | | 0 | <20 | P 2 |
| 146 | 67 | | H | 08H-VS3 | 08H-VS3 | | 00123 | 580TP | BW1- 0.72 | 0.53 | | 0 | <20 | P 2 |
| 148 | 67 | | H | 08H-VS3 | 08H-VS3 | | 00123 | 580TP | 09H- 0.77 | 0.61 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00123 | 580TP | BW1+ 2.04 | 0.62 | | 0 | <20 | P 2 |
| 152 | 67 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | 07H- 0.09 | 0.27 | | 0 | <20 | P 2 |
| 119 | 68 | | H | 08H-VS3 | 08H-VS3 | | 00129 | 580TP | 09H- 0.98 | 0.52 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00129 | 580TP | 09H+ 0.62 | 0.70 | | 0 | <20 | P 2 |
| 121 | 68 | | H | 08H-VS3 | 08H-BW1 | | 00123 | 580TP | 08H- 1.13 | 0.34 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
VOLTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 15 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 121 | 68 | | H | 08H-VS3 | 08H-BW1 | | 00123 | 580TP | 09H- 0.84 | 0.90 | | 0 | <20 | P 2 |
| 131 | 68 | | H | 08H-VS3 | 08H-VS3 | | 00126 | 580TP | 09H+ 0.92 | 0.73 | | 0 | <20 | P 2 |
| 149 | 68 | | H | 08H-VS3 | 08H-VS3 | | 00126 | 580TP | VS1+ 0.82 | 0.31 | | 0 | <20 | P 2 |
| 90 | 69 | | C | TEC-TEH | TEC-TEH | | 00031 | 610HS | BW1+ 2.00 | 0.29 | | 0 | <20 | P 2 |
| 118 | 69 | | H | 08H-VS3 | 08H-VS3 | | 00129 | 580TP | 09H- 1.00 | 0.20 | | 0 | <20 | P 2 |
| 120 | 69 | | H | 08H-VS3 | 08H-VS3 | | 00123 | 580TP | 09H- 0.77 | 1.70 | | 0 | 31 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00123 | 580TP | 09H+ 0.74 | 1.01 | | 0 | 21 | P 2 |
| 122 | 69 | | H | 08H-VS2 | 08H-VS2 | | 00128 | 580TP | VS1+ 0.95 | 0.52 | | 0 | <20 | P 2 |
| 130 | 69 | | H | 08H-VS3 | 08H-VS3 | | 00128 | 580TP | 09H- 0.95 | 0.41 | | 0 | <20 | P 2 |
| 132 | 69 | | H | 08H-VS3 | 08H-VS3 | | 00126 | 580TP | 09H+ 0.85 | 1.26 | | 0 | 25 | P 2 |
| 136 | 69 | | H | 08H-VS3 | 08H-VS3 | | 00129 | 580TP | BW1- 0.37 | 0.20 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00129 | 580TP | BW1+ 1.36 | 0.20 | | 0 | <20 | P 2 |
| 142 | 69 | | H | 08H-VS3 | 08H-VS3 | | 00128 | 580TP | BW1+ 1.55 | 0.22 | | 0 | <20 | P 2 |
| 144 | 69 | | H | 08H-VS3 | 08H-VS3 | | 00230 | 580TP | VS1- 0.88 | 0.31 | | 0 | <20 | P 2 |
| 146 | 69 | | H | 08H-VS3 | 08H-VS3 | | 00129 | 580TP | BW1+ 1.62 | 1.08 | | 0 | 26 | P 2 |
| 148 | 69 | | H | 08H-VS3 | 08H-VS3 | | 00128 | 580TP | BW1- 1.94 | 1.25 | | 0 | 27 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00128 | 580TP | BW1+ 1.86 | 1.77 | | 0 | 33 | P 2 |
| 152 | 69 | | H | 08H-VS3 | 08H-VS3 | 4 | 00320 | 580TP | VS3+ 0.09 | 0.20 | | 0 | <20 | P 2 |
| 117 | 70 | | H | 08H-VS3 | 08H-VS3 | | 00031 | 580CP | BW1+ 1.58 | 0.55 | | 0 | <20 | P 2 |
| 119 | 70 | | H | 08H-VS3 | 08H-VS3 | | 00133 | 580TP | 09H- 1.08 | 0.29 | | 0 | <20 | P 2 |
| 123 | 70 | | H | 08H-VS2 | 08H-VS3 | | 00135 | 580TP | BW1+ 1.91 | 0.48 | | 0 | <20 | P 2 |
| 125 | 70 | | H | 08H-VS5 | 08H-VS2 | | 00236 | 580TP | BW1+ 0.80 | 0.62 | | 0 | <20 | P 2 |
| 143 | 70 | | H | 08H-VS3 | 08H-VS3 | | 00237 | 580TP | VS1- 0.87 | 0.88 | | 0 | <20 | P 2 |
| 147 | 70 | | H | 08H-VS3 | 08H-VS3 | | 00237 | 580TP | BW1+ 1.78 | 0.62 | | 0 | <20 | P 2 |
| 149 | 70 | | H | 08H-VS3 | 08H-VS3 | | 00236 | 580TP | BW1+ 1.85 | 2.22 | | 0 | 34 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00236 | 580TP | VS1- 0.64 | 0.67 | | 0 | <20 | P 2 |
| 151 | 70 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | 08H+ 0.75 | 0.59 | | 0 | <20 | P 2 |
| 122 | 71 | | H | 08H-VS2 | 08H-VS3 | | 00131 | 580TP | 09H- 0.49 | 0.54 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS3 | | 00131 | 580TP | BW1+ 1.77 | 1.09 | | 0 | 25 | P 2 |
| 124 | 71 | | H | 07H-VS2 | 07H-VS2 | | 00133 | 580TP | 09H- 0.83 | 0.80 | | 0 | 20 | P 2 |
| 130 | 71 | | H | 08H-VS3 | 08H-VS3 | | 00131 | 580TP | BW1- 1.74 | 0.34 | | 0 | <20 | P 2 |
| 148 | 71 | | H | 08H-VS3 | 08H-VS3 | | 00136 | 580TP | BW1+ 1.89 | 0.49 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00136 | 580TP | VS1+ 0.88 | 0.45 | | 0 | <20 | P 2 |
| 152 | 71 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | 09H+ 0.80 | 0.11 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00320 | 580TP | 09H+ 0.86 | 0.53 | | 0 | <20 | P 2 |
| 154 | 71 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | 03C+ 0.90 | 0.85 | | 0 | 25 | P 2 |
| 85 | 72 | | C | TEC-TEH | TEC-TEH | | 00032 | 610HS | VS5- 0.12 | 0.60 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00032 | 610HS | VS5+ 0.06 | 0.21 | | 0 | <20 | P 2 |
| 109 | 72 | | C | TEC-TEH | TEC-TEH | | 00031 | 610HS | VS2- 0.71 | 0.43 | | 0 | <20 | P 2 |
| 123 | 72 | | H | 08H-VS2 | 08H-VS2 | | 00133 | 580TP | BW1+ 2.20 | 0.37 | | 0 | <20 | P 2 |
| 125 | 72 | | H | 08H-VS2 | 08H-VS2 | | 00136 | 580TP | 09H- 0.07 | 0.49 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00136 | 580TP | VS1- 0.33 | 0.36 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00136 | 580TP | VS2- 0.98 | 0.49 | | 0 | <20 | P 2 |
| 129 | 72 | | H | 08H-VS3 | 08H-VS3 | | 00136 | 580TP | 08H- 1.17 | 0.55 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00136 | 580TP | 09H- 1.11 | 0.38 | | 0 | <20 | P 2 |



五、六、七、八、九、十、十一、十二、十三、十四、十五、十六、十七、十八、十九、二十、二十一、二十二、二十三、二十四、二十五、二十六、二十七、二十八、二十九、三十、三十一、三十二、三十三、三十四、三十五、三十六、三十七、三十八、三十九、四十、四十一、四十二、四十三、四十四、四十五、四十六、四十七、四十八、四十九、五十、五十一、五十二、五十三、五十四、五十五、五十六、五十七、五十八、五十九、六十、六十一、六十二、六十三、六十四、六十五、六十六、六十七、六十八、六十九、七十、七十一、七十二、七十三、七十四、七十五、七十六、七十七、七十八、七十九、八十、八十一、八十二、八十三、八十四、八十五、八十六、八十七、八十八、八十九、九十、九十一、九十二、九十三、九十四、九十五、九十六、九十七、九十八、九十九、一百。

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 16 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 141 | 72 | | H | 08H-VS3 | 08H-VS3 | | 00136 | 580TP | VS1- 0.13 | 0.51 | | 0 | <20 | P 2 |
| 147 | 72 | | H | 08H-VS3 | 08H-VS3 | | 00139 | 580TP | BW1+ 1.49 | 0.34 | | 0 | <20 | P 2 |
| 149 | 72 | | H | BW1-VS3 | BW1-VS3 | | 00136 | 580TP | BW1- 0.26 | 0.24 | | 0 | <20 | P 2 |
| 151 | 72 | | H | 08H-VS3 | 08H-VS3 | 4 | 00326 | 580TP | BW1+ 1.46 | 0.35 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 1.80 | 0.82 | | 0 | 24 | P 2 |
| 153 | 72 | | H | 08H-VS3 | 08H-VS3 | 4 | 00320 | 580TP | BW1+ 0.05 | 0.38 | | 0 | <20 | P 2 |
| 124 | 73 | | H | 08H-VS2 | 08H-VS3 | | 00139 | 580TP | 09H+ 0.54 | 0.74 | | 0 | <20 | P 2 |
| 128 | 73 | | H | 08H-VS3 | 09H-VS3 | | 00136 | 580TP | VS1- 0.75 | 0.77 | | 0 | <20 | P 2 |
| 136 | 73 | | H | 08H-VS3 | 08H-VS3 | | 00136 | 580TP | 09H- 1.08 | 0.51 | | 0 | <20 | P 2 |
| 142 | 73 | | H | 08H-VS3 | 08H-VS5 | | 00139 | 580TP | VS5+ 0.50 | 0.31 | | 0 | <20 | P 2 |
| 144 | 73 | | H | 08H-VS3 | 08H-VS3 | | 00142 | 580TP | VS1+ 0.49 | 0.25 | | 0 | <20 | P 2 |
| 148 | 73 | | H | 08H-VS3 | 08H-VS3 | | 00139 | 580TP | BW1+ 1.71 | 0.94 | | 0 | 22 | P 2 |
| 150 | 73 | | H | 08H-VS3 | 08H-VS3 | | 00144 | 580TP | BW1+ 4.14 | 0.32 | | 0 | SVI | P 2 |
| 111 | 74 | | C | TEC-TEH | TEC-TEH | | 00031 | 610HS | BW1+ 2.05 | 0.26 | | 0 | <20 | P 2 |
| 123 | 74 | | H | 08H-VS2 | 07H-VS2 | | 00139 | 580TP | 09H- 1.42 | 0.41 | | 0 | <20 | P 2 |
| 139 | 74 | | H | 08H-VS3 | 08H-VS3 | | 00139 | 580TP | VS1- 0.85 | 0.23 | | 0 | <20 | P 2 |
| 124 | 75 | | H | 08H-VS2 | 08H-VS3 | | 00139 | 580TP | 09H- 0.23 | 1.14 | | 0 | 24 | P 2 |
| | | | H | 08H-VS2 | 08H-VS3 | | 00139 | 580TP | VS1+ 0.19 | 0.25 | | 0 | <20 | P 2 |
| 146 | 75 | | H | 08H-VS3 | 08H-VS3 | | 00241 | 580TP | VS1- 1.07 | 0.80 | | 0 | 20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00241 | 580TP | VS3- 1.11 | 0.71 | | 0 | <20 | P 2 |
| 150 | 75 | | H | 08H-VS3 | 08H-VS3 | | 00143 | 580TP | BW1+ 2.03 | 0.72 | | 0 | SVI | P 2 |
| 152 | 75 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 2.03 | 0.41 | | 0 | <20 | P 2 |
| | | | H | BW1-VS1 | BW1-VS1 | | 00240 | 580TP | BW1+ 2.76 | 0.79 | | 0 | SVI | P 2 |
| 154 | 75 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS1- 0.75 | 0.33 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW2+ 1.78 | 0.27 | | 0 | <20 | P 2 |
| 156 | 75 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW2- 1.37 | 0.27 | | 0 | <20 | P 2 |
| 129 | 76 | | H | 08H-VS3 | 08H-VS3 | | 00147 | 580TP | 09H- 0.89 | 0.36 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00147 | 580TP | BW1- 0.95 | 0.23 | | 0 | <20 | P 2 |
| 137 | 76 | | H | 08H-VS3 | 08H-VS3 | | 00147 | 580TP | 09H+ 0.90 | 0.32 | | 0 | <20 | P 2 |
| 141 | 76 | | H | 08H-VS3 | 08H-VS3 | | 00147 | 580TP | BW1+ 1.90 | 0.23 | | 0 | <20 | P 2 |
| 145 | 76 | | H | 08H-VS3 | 08H-VS3 | | 00143 | 580TP | 08H+ 0.89 | 0.72 | | 0 | <20 | P 2 |
| 153 | 76 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW2+ 1.75 | 0.57 | | 0 | <20 | P 2 |
| 155 | 76 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1- 1.89 | 0.30 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS1- 0.71 | 0.57 | | 0 | <20 | P 2 |
| 120 | 77 | | H | 08H-VS3 | 08H-VS3 | | 00147 | 580TP | 09H+ 0.92 | 0.33 | | 0 | <20 | P 2 |
| 124 | 77 | | H | 08H-VS2 | 08H-VS3 | | 00147 | 580TP | 09H+ 0.87 | 0.34 | | 0 | <20 | P 2 |
| 130 | 77 | | H | 08H-VS3 | 08H-VS3 | | 00149 | 580TP | 09H- 1.05 | 0.31 | | 0 | <20 | P 2 |
| 132 | 77 | | H | 08H-VS3 | 08H-VS1 | | 00241 | 580TP | BW1+ 1.85 | 0.44 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS1 | | 00241 | 580TP | VS1- 0.95 | 0.44 | | 0 | <20 | P 2 |
| 134 | 77 | | H | 08H-VS3 | 08H-VS3 | | 00147 | 580TP | 09H- 0.91 | 0.29 | | 0 | <20 | P 2 |
| 148 | 77 | | H | 08H-VS3 | 08H-VS3 | | 00146 | 580TP | 08H- 1.14 | 0.81 | | 0 | SVI | P 2 |
| 152 | 77 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS1- 0.63 | 0.36 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS3+ 0.72 | 0.24 | | 0 | <20 | P 2 |
| 111 | 78 | | C | TEC-TEH | TEC-TEH | | 00033 | 610HS | BW1+ 2.14 | 0.54 | | 0 | <20 | P 2 |
| 115 | 78 | | C | TEC-TEH | TEC-TEH | | 00033 | 610HS | BW2+ 1.75 | 0.52 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3.

STEAM GENERATOR : 32
MUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 17 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 125 | 78 | | H | 08H-VS2 | 08H-VS2 | | 00154 | 580TP | 09H+ 0.50 | 0.21 | | 0 | <20 | P 2 |
| 127 | 78 | | H | 08H-VS3 | 08H-VS3 | | 00146 | 580TP | 09H- 1.18 | 0.35 | | 0 | <20 | P 2 |
| 129 | 78 | | H | 08H-VS3 | 08H-VS3 | | 00146 | 580TP | 09H+ 0.96 | 0.51 | | 0 | <20 | P 2 |
| 143 | 78 | | H | 08H-VS3 | 08H-VS3 | | 00147 | 580TP | BW1- 2.00 | 0.56 | | 0 | <20 | P 2 |
| 145 | 78 | | H | 08H-VS3 | 08H-VS3 | | 00146 | 580TP | BW1- 2.00 | 0.34 | | 0 | <20 | P 2 |
| 151 | 78 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | 09H+ 0.93 | 0.39 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1- 2.00 | 0.32 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW2+ 1.75 | 0.57 | | 0 | <20 | P 2 |
| 157 | 78 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS2- 0.90 | 0.40 | | 0 | <20 | P 2 |
| 122 | 79 | | H | 08H-VS2 | 08H-VS2 | | 00153 | 580TP | 08H+ 1.03 | 0.43 | | 0 | <20 | P 2 |
| 124 | 79 | | H | 08H-VS2 | 08H-VS2 | | 00146 | 580TP | 09H- 0.13 | 0.93 | | 0 | 20 | P 2 |
| 132 | 79 | | H | 08H-VS3 | 08H-VS3 | | 00146 | 580TP | 09H- 1.12 | 0.75 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00146 | 580TP | 09H+ 0.93 | 0.51 | | 0 | <20 | P 2 |
| 138 | 79 | | H | 08H-VS3 | 08H-VS3 | | 00146 | 580TP | 09H- 0.40 | 0.49 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00146 | 580TP | 09H+ 0.99 | 0.66 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00146 | 580TP | BW1+ 1.89 | 0.42 | | 0 | <20 | P 2 |
| 146 | 79 | | H | 08H-VS3 | 08H-VS3 | | 00241 | 580TP | BW1+ 1.78 | 0.60 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00241 | 580TP | VS1- 0.20 | 0.30 | | 0 | <20 | P 2 |
| 152 | 79 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | 08H+ 0.67 | 0.31 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 2.00 | 0.26 | | 0 | <20 | P 2 |
| 14 | 79 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 2.00 | 0.52 | | 0 | <20 | P 2 |
| 117 | 80 | | C | TEC-TEH | TEC-TEH | | 00033 | 610HS | VS2- 0.68 | 0.53 | | 0 | <20 | P 2 |
| 123 | 80 | | H | 08H-VS2 | 08H-VS2 | | 00153 | 580TP | VS1+ 0.75 | 0.85 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00153 | 580TP | VS2- 0.89 | 0.51 | | 0 | <20 | P 2 |
| 127 | 80 | | H | 08H-VS3 | 08H-VS3 | | 00240 | 580TP | 09H+ 0.81 | 0.73 | | 0 | <20 | P 2 |
| 139 | 80 | | H | 08H-VS3 | 08H-VS3 | | 00240 | 580TP | BW1+ 2.02 | 0.42 | | 0 | <20 | P 2 |
| 147 | 80 | | H | 08H-VS3 | 08H-VS3 | | 00146 | 580TP | BW1- 2.00 | 1.01 | | 0 | 22 | P 2 |
| 149 | 80 | | H | 08H-VS3 | 08H-VS3 | | 00152 | 580TP | BW1- 1.81 | 0.70 | | 0 | <20 | P 2 |
| 153 | 80 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1- 2.00 | 0.11 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 2.00 | 0.28 | | 0 | <20 | P 2 |
| 157 | 80 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 2.00 | 0.33 | | 0 | <20 | P 2 |
| 124 | 81 | | H | 08H-VS2 | 08H-VS2 | | 00156 | 580TP | 08H- 0.03 | 0.24 | | 0 | <20 | P 2 |
| 134 | 81 | | H | 08H-VS3 | 08H-VS3 | | 00153 | 580TP | 09H+ 0.92 | 0.92 | | 0 | 21 | P 2 |
| 142 | 81 | | H | 08H-VS3 | 08H-VS3 | | 00153 | 580TP | BW1- 1.90 | 0.91 | | 0 | 20 | P 2 |
| 144 | 81 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | BW1- 1.75 | 0.51 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | VS1+ 0.11 | 0.26 | | 0 | <20 | P 2 |
| 146 | 81 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | BW1+ 1.89 | 0.36 | | 0 | <20 | P 2 |
| 148 | 81 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | BW1+ 1.81 | 0.50 | | 0 | <20 | P 2 |
| 150 | 81 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | BW1+ 1.75 | 0.73 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | VS1+ 0.82 | 0.61 | | 0 | <20 | P 2 |
| 152 | 81 | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | BW1+ 0.75 | 0.42 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 1.87 | 0.85 | | 0 | 25 | P 2 |
| 154 | 81 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 2.00 | 0.23 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS1- 2.00 | 0.20 | | 0 | <20 | P 2 |
| 156 | 81 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 1.79 | 0.50 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 18 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 121 | 82 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | 08H+ 0.80 | 0.36 | | 0 | <20 | P 2 |
| 129 | 82 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | VS1- 0.90 | 0.40 | | 0 | <20 | P 2 |
| 133 | 82 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1+ 4.04 | 0.36 | | 0 | SVI | P 2 |
| 137 | 82 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | BW1+ 1.79 | 0.62 | | 0 | <20 | P 2 |
| 139 | 82 | | H | 08H-VS3 | 08H-VS3 | | 00158 | 580TP | BW1+ 1.75 | 0.32 | | 0 | <20 | P 2 |
| 141 | 82 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1- 2.03 | 0.47 | | 0 | <20 | P 2 |
| 143 | 82 | | H | 08H-VS3 | 09H-VS3 | | 00157 | 580TP | BW1+ 1.69 | 0.52 | | 0 | <20 | P 2 |
| 147 | 82 | | H | 08H-VS3 | 07H-VS3 | | 00158 | 580TP | VS1- 0.84 | 0.74 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 07H-VS3 | | 00158 | 580TP | VS3+ 0.00 | 1.22 | | 0 | 25 | P 2 |
| 149 | 82 | | H | 08H-VS3 | 08H-VS3 | | 00158 | 580TP | BW1+ 1.83 | 0.53 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | BW1+ 2.00 | 0.62 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00158 | 580TP | VS1- 0.80 | 1.07 | | 0 | 23 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | VS1- 0.67 | 1.42 | | 0 | 30 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | VS1+ 0.84 | 0.73 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | VS3+ 0.25 | 0.54 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00158 | 580TP | VS3+ 0.88 | 0.28 | | 0 | <20 | P 2 |
| 153 | 82 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 2.04 | 0.48 | | 0 | <20 | P 2 |
| 155 | 82 | | H | 08H-VS3 | 08H-VS3 | 4 | 00360 | 580TP | BW1+ 1.94 | 0.76 | | 0 | <20 | P 2 |
| 157 | 82 | | H | 08H-VS3 | 08H-VS3 | 4 | 00360 | 580TP | VS1+ 1.05 | 0.30 | | 0 | <20 | P 2 |
| 108 | 83 | | C | TEC-TEH | TEC-TEH | | 00044 | 610HS | VS6+ 0.66 | 0.34 | | 0 | <20 | P 2 |
| 114 | 83 | | C | TEC-TEH | TEC-TEH | | 00033 | 610HS | BW1+ 2.22 | 0.45 | | 0 | <20 | P 2 |
| 122 | 83 | | H | 08H-VS2 | 08H-VS2 | | 00157 | 580TP | 08H- 0.10 | 0.29 | | 0 | <20 | P 2 |
| 124 | 83 | | H | 08H-VS2 | 08H-VS2 | | 00156 | 580TP | 09H- 0.33 | 0.83 | | 0 | 20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00156 | 580TP | BW1+ 1.75 | 0.43 | | 0 | <20 | P 2 |
| 130 | 83 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | VS1+ 0.76 | 0.72 | | 0 | <20 | P 2 |
| 132 | 83 | | H | 08H-VS3 | VS1-VS3 | | 00246 | 580TP | VS1+ 0.25 | 0.45 | | 0 | <20 | P 2 |
| 134 | 83 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | 09H+ 0.91 | 0.38 | | 0 | <20 | P 2 |
| 136 | 83 | | H | 08H-VS3 | 08H-VS3 | | 00158 | 580TP | BW1+ 2.21 | 0.64 | | 0 | <20 | P 2 |
| 138 | 83 | | H | 08H-VS3 | 08H-VS3 | | 00158 | 580TP | BW1+ 1.83 | 0.42 | | 0 | <20 | P 2 |
| 140 | 83 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1- 1.71 | 0.41 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1+ 2.32 | 0.63 | | 0 | <20 | P 2 |
| 144 | 83 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | BW1- 1.92 | 0.66 | | 0 | <20 | P 2 |
| 148 | 83 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | 08H+ 0.27 | 0.36 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | VS1+ 0.99 | 0.31 | | 0 | <20 | P 2 |
| 156 | 83 | | H | 08H-VS3 | 08H-VS3 | 4 | 00329 | 580TP | BW1+ 1.67 | 0.91 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ 1.91 | 0.41 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS5+ 0.47 | 0.36 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW2+ 1.85 | 0.52 | | 0 | <20 | P 2 |
| 127 | 84 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1- 1.86 | 0.30 | | 0 | <20 | P 2 |
| 129 | 84 | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | 09H+ 0.83 | 0.44 | | 0 | <20 | P 2 |
| 131 | 84 | | H | 08H-VS3 | 08H-VS3 | | 00156 | 580TP | BW1- 1.67 | 0.65 | | 0 | <20 | P 2 |
| 133 | 84 | | H | 08H-VS3 | 08H-VS3 | | 00158 | 580TP | BW1+ 1.75 | 0.46 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00158 | 580TP | VS3- 1.00 | 0.44 | | 0 | <20 | P 2 |
| 135 | 84 | | H | BW1-VS3 | BW1-VS3 | | 00157 | 580TP | BW1+ 3.61 | 0.28 | | 0 | SVI | P 2 |
| 137 | 84 | | H | BW1-VS3 | BW1-VS3 | | 00162 | 580TP | BW1+ 3.45 | 0.29 | | 0 | SVI | P 2 |

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
MANTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 19 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|----------|------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | | VOLTS | MIL | DEG | % | CH |
| 139 | 84 | | H | 08H-VS3 | 08H-09H | | 00247 | 610BC | 09H- | 0.96 | 0.25 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 09H-VS3 | | 00156 | 580TP | BW1+ | 1.83 | 1.02 | | 0 | 22 | P 2 |
| 141 | 84 | | H | 08H-VS3 | 08H-BW1 | | 00248 | 580TP | BW1- | 1.72 | 0.28 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | BW1-VS3 | | 00158 | 580TP | BW1+ | 1.58 | 0.71 | | 0 | <20 | P 2 |
| 143 | 84 | | H | 08H-VS3 | BW1-VS3 | | 00157 | 580TP | BW1- | 1.93 | 0.94 | | 0 | 22 | P 2 |
| 145 | 84 | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | BW1- | 1.51 | 0.49 | | 0 | <20 | P 2 |
| 149 | 84 | | H | 08H-VS3 | 08H-VS3 | | 00158 | 580TP | VS1+ | 0.90 | 0.93 | | 0 | 21 | P 2 |
| 151 | 84 | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ | 2.00 | 0.27 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS1+ | 0.94 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00330 | 580TP | VS1+ | 1.00 | 0.43 | | 0 | <20 | P 2 |
| 153 | 84 | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | BW1+ | 1.70 | 0.62 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ | 1.92 | 0.34 | | 0 | <20 | P 2 |
| 155 | 84 | | H | 08H-VS3 | 08H-VS3 | 4 | 00329 | 580TP | BW1+ | 2.19 | 0.55 | | 0 | <20 | P 2 |
| 114 | 85 | | C | TEC-TEH | TEC-TEH | | 00033 | 610HS | BW1+ | 2.06 | 0.33 | | 0 | <20 | P 2 |
| 116 | 85 | | C | TEC-TEH | TEC-TEH | | 00034 | 610HS | BW1+ | 2.03 | 0.28 | | 0 | <20 | P 2 |
| 120 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | 08H+ | 0.00 | 0.82 | | 0 | 21 | P 2 |
| 122 | 85 | | H | 08H-VS2 | 08H-VS3 | | 00162 | 580TP | BW1+ | 1.54 | 0.97 | | 0 | <20 | P 2 |
| 124 | 85 | | H | 08H-VS2 | 08H-VS3 | | 00158 | 580TP | VS3- | 0.24 | 0.43 | | 0 | <20 | P 2 |
| 128 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | 08H+ | 0.00 | 0.48 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | 09H+ | 0.19 | 0.51 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1- | 1.93 | 0.59 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | VS1- | 1.19 | 0.77 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | VS3+ | 0.53 | 0.60 | | 0 | <20 | P 2 |
| 130 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | 09H- | 0.12 | 0.72 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | BW1- | 1.70 | 0.75 | | 0 | <20 | P 2 |
| 132 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | 09H- | 1.08 | 0.18 | | 0 | <20 | P 2 |
| 134 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | BW1- | 1.96 | 0.13 | | 0 | <20 | P 2 |
| 136 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | 09H- | 0.95 | 0.42 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1+ | 1.75 | 0.39 | | 0 | <20 | P 2 |
| 140 | 85 | | H | 08H-VS3 | 09H-VS3 | | 00164 | 580TP | BW1- | 2.18 | 0.70 | | 0 | <20 | P 2 |
| 142 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1- | 1.97 | 0.83 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1+ | 1.63 | 0.71 | | 0 | <20 | P 2 |
| 144 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | BW1- | 1.65 | 0.75 | | 0 | <20 | P 2 |
| 146 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | BW1- | 2.03 | 0.22 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | VS1+ | 1.04 | 0.22 | | 0 | <20 | P 2 |
| 148 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1- | 1.81 | 0.43 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | VS1- | 0.78 | 0.58 | | 0 | <20 | P 2 |
| 150 | 85 | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | BW1+ | 1.92 | 0.92 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | VS1- | 0.53 | 0.63 | | 0 | <20 | P 2 |
| 154 | 85 | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | BW1+ | 1.81 | 0.49 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | BW1+ | 2.00 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | VS1- | 0.82 | 0.46 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS1- | 0.69 | 0.19 | | 0 | <20 | P 2 |
| 113 | 86 | | C | TEC-TEH | TEC-TEH | | 00034 | 610HS | BW1+ | 2.00 | 0.22 | | 0 | <20 | P 2 |
| 119 | 86 | | C | TEC-TEH | TEC-TEH | | 00033 | 610HS | 09H+ | 0.94 | 0.81 | | 0 | 22 | P 2 |

CONAM NUCLEAR, INC.

1. The first part of the document discusses the importance of maintaining accurate records of all transactions and activities related to the project. It emphasizes the need for transparency and accountability in financial management.

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3.

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 20 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | VOLTS | CURRENT | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|-------|---------|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | | MIL | DEG | % | CH |
| 121 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | 08H+ 0.10 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | 09H+ 1.21 | 0.42 | | 0 | <20 | P 2 |
| 127 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | BW1+ 3.94 | 0.30 | | 0 | SVI | P 2 |
| 129 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | 09H- 0.12 | 0.33 | | 0 | <20 | P 2 |
| 133 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | BW1- 1.88 | 0.85 | | 0 | <20 | P 2 |
| 135 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | BW1+ 2.00 | 0.25 | | 0 | <20 | P 2 |
| 137 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | 09H- 0.10 | 0.51 | | 0 | <20 | P 2 |
| 139 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | BW1+ 1.82 | 0.67 | | 0 | <20 | P 2 |
| 141 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | BW1+ 1.94 | 0.31 | | 0 | <20 | P 2 |
| 143 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1- 1.91 | 0.91 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | BW1- 1.45 | 0.69 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | BW1+ 1.54 | 0.59 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00157 | 580TP | BW1+ 1.93 | 0.84 | | 0 | 20 | P 2 |
| 145 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | BW1- 1.85 | 0.47 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | VS1- 0.79 | 0.83 | | 0 | <20 | P 2 |
| 149 | 86 | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | VS1- 1.09 | 1.33 | | 0 | 29 | P 2 |
| 151 | 86 | | H | 08H-VS3 | 08H-VS3 | 4 | 00330 | 580TP | VS3- 1.00 | 0.54 | | 0 | <20 | P 2 |
| 153 | 86 | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | BW1+ 0.84 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | VS3- 1.15 | 1.28 | | 0 | 28 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS3- 0.91 | 0.24 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | VS3+ 0.78 | 0.92 | | 0 | 22 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00006 | 610HS | VS3+ 0.79 | 0.69 | | 0 | 22 | P 2 |
| 126 | 87 | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | 09H+ 0.65 | 0.71 | | 0 | 21 | P 2 |
| 130 | 87 | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | 08H- 0.12 | 0.45 | | 0 | <20 | P 2 |
| 132 | 87 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | BW1+ 1.82 | 0.44 | | 0 | <20 | P 2 |
| 134 | 87 | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | BW1- 1.60 | 0.37 | | 0 | <20 | P 2 |
| 136 | 87 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | BW1- 2.05 | 0.49 | | 0 | <20 | P 2 |
| 138 | 87 | | H | 08H-VS3 | 08H-VS3 | | 00162 | 580TP | BW1+ 1.14 | 0.70 | | 0 | <20 | P 2 |
| 142 | 87 | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | BW1+ 1.75 | 0.58 | | 0 | <20 | P 2 |
| 146 | 87 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | BW1- 2.02 | 0.33 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | VS1- 0.97 | 0.39 | | 0 | <20 | P 2 |
| 150 | 87 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | VS1- 0.79 | 0.49 | | 0 | <20 | P 2 |
| 154 | 87 | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | 09H- 1.06 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | BW1+ 1.83 | 0.44 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | VS1- 0.95 | 0.70 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00328 | 580TP | VS1+ 0.72 | 0.30 | | 0 | <20 | P 2 |
| 125 | 88 | | H | 08H-VS2 | 08H-VS2 | | 00169 | 580TP | 08H- 0.21 | 0.67 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00169 | 580TP | 09H+ 0.89 | 0.77 | | 0 | <20 | P 2 |
| 129 | 88 | | H | 08H-VS3 | 07H-VS3 | | 00164 | 580TP | 09H- 0.78 | 0.60 | | 0 | <20 | P 2 |
| 131 | 88 | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | 09H- 0.39 | 0.33 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | BW1+ 2.16 | 0.59 | | 0 | <20 | P 2 |
| 133 | 88 | | H | 08H-VS3 | 08H-VS3 | | 00251 | 580BC | BW1+ 0.77 | 0.25 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00251 | 580BC | BW1+ 1.81 | 0.34 | | 0 | <20 | P 2 |
| 137 | 88 | | H | 08H-VS3 | 08H-VS3 | | 00164 | 580TP | BW1+ 2.00 | 0.32 | | 0 | <20 | P 2 |
| 139 | 88 | | H | 08H-VS3 | 08H-VS3 | | 00000 | 580TP | BW1- 1.67 | 0.89 | | 0 | 25 | P 2 |

CONAM NUCLEAR, INC.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 21 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | VOLTS | CURRENT | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|-------|---------|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | | MIL | DEG | % | CH |
| 139 | 88 | | H | 08H-VS3 | 08H-VS3 | | 00167 | 580TP | BW1- 1.67 | 0.89 | | 0 | 25 | P 2 |
| 141 | 88 | | H | 08H-VS3 | 08H-VS3 | | 00169 | 580TP | BW1+ 1.91 | 0.44 | | 0 | <20 | P 2 |
| 143 | 88 | | H | 08H-VS3 | 08H-VS3 | | 00169 | 580TP | BW1- 2.10 | 0.28 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00169 | 580TP | BW1+ 1.93 | 0.59 | | 0 | <20 | P 2 |
| 155 | 88 | | H | 08H-VS3 | 08H-VS3 | 4 | 00357 | 580TP | BW1+ 1.85 | 0.94 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | BW1+ 1.92 | 0.63 | | 0 | 20 | P 2 |
| 159 | 88 | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | VS3- 1.02 | 1.47 | | 0 | 33 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | VS7- 0.09 | 0.92 | | 0 | 26 | P 2 |
| 108 | 89 | | C | TEC-TEH | TEC-TEH | | 00034 | 610HS | VS5+ 0.90 | 0.32 | | 0 | <20 | P 2 |
| 114 | 89 | | C | TEC-TEH | TEC-TEH | | 00033 | 610HS | BW1+ 1.90 | 0.37 | | 0 | <20 | P 2 |
| 124 | 89 | | H | 08H-VS2 | 08H-VS3 | | 00172 | 580TP | 08H- 0.17 | 0.65 | | 0 | <20 | P 2 |
| 126 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00171 | 580TP | 09H+ 0.99 | 0.23 | | 0 | <20 | P 2 |
| 128 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00172 | 580TP | 08H- 0.11 | 0.47 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00172 | 580TP | 09H- 1.08 | 0.28 | | 0 | <20 | P 2 |
| 130 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00171 | 580TP | 09H+ 0.02 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00171 | 580TP | BW1- 1.87 | 0.41 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00171 | 580TP | BW1+ 5.63 | 1.52 | | 0 | SVI | P 2 |
| 132 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00172 | 580TP | 09H- 1.04 | 0.79 | | 0 | <20 | P 2 |
| 134 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | 08H- 1.02 | 0.17 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | 09H+ 0.78 | 1.18 | | 0 | 24 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | 09H+ 0.82 | 1.00 | | 0 | 22 | P 2 |
| 140 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00179 | 580TP | BW1- 1.97 | 0.88 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00179 | 580TP | VS1- 0.96 | 0.31 | | 0 | <20 | P 2 |
| 142 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00172 | 580TP | BW1+ 1.92 | 0.85 | | 0 | <20 | P 2 |
| 144 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00172 | 580TP | BW1- 1.91 | 1.01 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00172 | 580TP | VS1+ 0.63 | 0.52 | | 0 | <20 | P 2 |
| 146 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00172 | 580TP | BW1- 2.01 | 0.88 | | 0 | <20 | P 2 |
| 148 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00172 | 580TP | 09H+ 0.26 | 0.66 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00172 | 580TP | VS1+ 0.79 | 0.61 | | 0 | <20 | P 2 |
| 150 | 89 | | H | 08H-VS3 | 08H-VS3 | | 00172 | 580TP | VS1- 1.10 | 0.29 | | 0 | <20 | P 2 |
| 152 | 89 | | H | 08H-VS3 | 08H-VS3 | 4 | 00357 | 580TP | BW1- 1.72 | 0.22 | | 0 | <20 | P 2 |
| 121 | 90 | | H | 08H-VS3 | 08H-VS3 | | 00179 | 580TP | 08H- 0.83 | 0.42 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00179 | 580TP | 08H+ 0.76 | 0.36 | | 0 | <20 | P 2 |
| 125 | 90 | | H | 08H-VS2 | 08H-VS2 | | 00250 | 580TP | 09H- 0.31 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00250 | 580TP | BW1+ 2.01 | 0.41 | | 0 | <20 | P 2 |
| 127 | 90 | | H | 08H-VS3 | 08H-VS5 | | 00179 | 580TP | 08H- 0.06 | 0.50 | | 0 | <20 | P 2 |
| 129 | 90 | | H | 08H-VS3 | 08H-VS3 | | 00180 | 580TP | 09H- 0.16 | 0.41 | | 0 | <20 | P 2 |
| 131 | 90 | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | VS3- 0.57 | 0.33 | | 0 | <20 | P 2 |
| 133 | 90 | | H | 08H-VS3 | 08H-VS3 | | 00179 | 580TP | 09H+ 0.81 | 0.41 | | 0 | <20 | P 2 |
| 135 | 90 | | H | 08H-VS3 | 08H-VS3 | | 00178 | 580TP | BW1+ 1.44 | 0.38 | | 0 | <20 | P 2 |
| 137 | 90 | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | 09H+ 0.88 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | BW1- 1.92 | 0.43 | | 0 | <20 | P 2 |
| 143 | 90 | | H | 08H-VS3 | 08H-VS3 | | 00179 | 580TP | BW1+ 1.58 | 0.51 | | 0 | <20 | P 2 |
| 149 | 90 | | H | 08H-VS3 | 08H-VS3 | | 00179 | 580TP | BW1+ 0.93 | 0.57 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00179 | 580TP | BW1+ 1.86 | 0.37 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



1. Subject
2. Reference
3. Summary
4. Remarks
5. Signature
6. Date



1. Subject
2. Reference
3. Summary
4. Remarks
5. Signature
6. Date



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 22 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | VOLTS | CURRENT | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|-------|---------|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | | MIL | DEG | % | CH |
| 155 | 90 | | H | 08H-VS3 | 08H-VS3 | 4 | 00357 | 580TP | BW1+ 1.89 | 0.38 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00357 | 580TP | VS1+ 0.02 | 0.92 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00357 | 580TP | VS1+ 0.51 | 0.58 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00357 | 580TP | VS3- 0.95 | 0.44 | | 0 | <20 | P 2 |
| 124 | 91 | | H | 08H-VS2 | 08H-VS2 | | 00180 | 580TP | 08H+ 0.76 | 0.38 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00180 | 580TP | 09H- 0.19 | 0.40 | | 0 | <20 | P 2 |
| 126 | 91 | | H | 08H-VS3 | 08H-VS3 | | 00248 | 580TP | VS1- 0.86 | 0.37 | | 0 | <20 | P 2 |
| 128 | 91 | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | VS1- 0.04 | 0.37 | | 0 | <20 | P 2 |
| 130 | 91 | | H | 08H-VS3 | 08H-VS3 | | 00180 | 580TP | 08H- 0.13 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00180 | 580TP | 09H- 0.93 | 0.92 | | 0 | 22 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00180 | 580TP | 09H+ 0.96 | 0.31 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00180 | 580TP | BW1- 1.83 | 0.47 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00180 | 580TP | VS1- 0.92 | 0.49 | | 0 | <20 | P 2 |
| 132 | 91 | | H | 08H-VS3 | 08H-VS3 | | 00185 | 580BC | 09H- 0.71 | 0.55 | | 0 | <20 | P 2 |
| 134 | 91 | | H | 08H-VS3 | 08H-VS3 | | 00186 | 580TP | 09H+ 0.92 | 0.41 | | 0 | <20 | P 2 |
| 138 | 91 | | H | 08H-VS3 | 08H-VS3 | | 00185 | 580BC | BW1+ 1.28 | 0.32 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00180 | 580TP | VS1+ 1.75 | 0.36 | | 0 | <20 | P 2 |
| 142 | 91 | | H | 08H-VS3 | 08H-VS3 | | 00186 | 580TP | BW1+ 10.30 | 0.78 | | 0 | SVI | P 2 |
| 146 | 91 | | H | 08H-VS3 | 08H-VS3 | | 00187 | 580TP | BW1+ 2.17 | 0.23 | | 0 | SVI | P 2 |
| 148 | 91 | | H | 08H-VS3 | 08H-VS3 | | 00187 | 580TP | BW1+ 15.87 | 0.40 | 0.4 | 0 | SAI | P 2 |
| 150 | 91 | | H | 08H-VS3 | 08H-VS3 | | 00187 | 580TP | BW1- 2.12 | 0.55 | | 0 | <20 | P 2 |
| 152 | 91 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1- 2.00 | 2.06 | | 0 | 32 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | BW1- 1.78 | 0.42 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | BW1+ 1.78 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1+ 2.09 | 1.36 | | 0 | 25 | P 2 |
| 156 | 91 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | VS1+ 0.13 | 0.81 | | 0 | <20 | P 2 |
| 113 | 92 | | C | TEC-TEH | TEC-TEH | | 00034 | 610HS | BW1- 1.75 | 0.72 | | 0 | 22 | P 2 |
| 123 | 92 | | H | 08H-VS2 | 08H-VS2 | | 00190 | 580TP | 09H+ 1.09 | 0.35 | | 0 | <20 | P 2 |
| 129 | 92 | | H | 08H-VS3 | 08H-VS3 | | 00187 | 580TP | 09H- 0.97 | 0.36 | | 0 | <20 | P 2 |
| 131 | 92 | | H | 08H-VS3 | 08H-VS3 | | 00189 | 580TP | 09H+ 0.96 | 1.19 | | 0 | 24 | P 2 |
| 135 | 92 | | H | 08H-VS3 | 08H-VS3 | | 00185 | 580BC | 09H+ 0.94 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00185 | 580BC | BW1+ 1.64 | 0.35 | | 0 | <20 | P 2 |
| 141 | 92 | | H | 08H-VS3 | 08H-VS3 | | 00189 | 580TP | BW1+ 2.23 | 0.24 | | 0 | <20 | P 2 |
| 145 | 92 | | H | 08H-VS3 | 08H-VS3 | | 00187 | 580TP | BW1+ 1.79 | 0.44 | | 0 | <20 | P 2 |
| 149 | 92 | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | BW1- 2.06 | 0.55 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | BW1+ 1.88 | 2.01 | | 0 | 33 | P 2 |
| 151 | 92 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | 08H- 0.19 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1+ 1.91 | 0.74 | | 0 | <20 | P 2 |
| 153 | 92 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1+ 1.77 | 0.78 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1+ 2.46 | 0.23 | | 0 | SVI | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | VS1- 1.08 | 0.67 | | 0 | <20 | P 2 |
| 155 | 92 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | 08H- 0.94 | 0.65 | | 0 | SVI | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | 08H+ 0.12 | 0.44 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | BW1+ 1.96 | 0.90 | | 0 | 25 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1+ 2.01 | 2.95 | | 0 | 38 | P 2 |

CONAM NUCLEAR, INC.



1. The first of the
two main parts of
the book is devoted
to the history of the
book and the book
trade. It is a very
interesting and
informative chapter
which should be
read by all who are
interested in the
book trade.



2. The second part of
the book is devoted
to the history of the
book and the book
trade. It is a very
interesting and
informative chapter
which should be
read by all who are
interested in the
book trade.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 23 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | VOLTS | CURRENT | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|-------|---------|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | | MIL | DEG | % | CH |
| 155 | 92 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | VS1- 0.69 | 0.32 | | 0 | <20 | P 2 |
| 100 | 93 | | C | TEC-TEH | TSC-TEH | | 00036 | 610HS | 08H+ 0.93 | 0.21 | | 0 | <20 | P 2 |
| 114 | 93 | | C | TEC-TEH | TEC-TEH | | 00035 | 610HS | BW1+ 1.87 | 0.35 | | 0 | <20 | P 2 |
| 118 | 93 | | C | TEC-TEH | TEC-TEH | | 00035 | 610HS | 09H+ 1.68 | 0.36 | | 0 | <20 | P 2 |
| 120 | 93 | | H | 08H-VS3 | 08H-VS3 | | 00185 | 580BC | 08H+ 1.00 | 0.63 | | 0 | <20 | P 2 |
| 122 | 93 | | H | 08H-VS2 | 08H-VS3 | | 00187 | 580TP | BW1+ 1.93 | 0.50 | | 0 | <20 | P 2 |
| 124 | 93 | | H | 08H-VS2 | 08H-VS2 | | 00190 | 580TP | 08H- 0.18 | 0.25 | | 0 | <20 | P 2 |
| 126 | 93 | | H | 08H-VS3 | 08H-VS3 | | 00189 | 580TP | 09H+ 0.89 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00189 | 580TP | BW1+ 1.79 | 0.93 | | 0 | 22 | P 2 |
| 128 | 93 | | H | 08H-VS3 | 08H-VS3 | | 00197 | 580BC | 09H+ 0.92 | 0.53 | | 0 | <20 | P 2 |
| 130 | 93 | | H | 08H-VS3 | 08H-VS3 | | 00187 | 580TP | 09H- 1.00 | 0.74 | | 0 | <20 | P 2 |
| 132 | 93 | | H | 08H-VS3 | 08H-VS3 | | 00190 | 580TP | 09H- 0.93 | 1.33 | | 0 | 26 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00190 | 580TP | 09H+ 0.95 | 1.05 | | 0 | 23 | P 2 |
| 134 | 93 | | H | 08H-VS3 | 08H-VS3 | | 00189 | 580TP | BW1+ 2.17 | 0.46 | | 0 | <20 | P 2 |
| 136 | 93 | | H | 08H-VS3 | 08H-VS3 | | 00197 | 580BC | BW1+ 0.01 | 0.23 | | 0 | <20 | P 2 |
| 142 | 93 | | H | 08H-VS3 | 08H-VS3 | | 00197 | 580BC | VS1- 0.98 | 0.22 | | 0 | <20 | P 2 |
| 148 | 93 | | H | 08H-VS3 | 08H-VS3 | | 00194 | 580TP | BW1+ 2.18 | 0.39 | | 0 | <20 | P 2 |
| 152 | 93 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1+ 1.95 | 1.77 | | 0 | 27 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | BW1+ 2.00 | 0.72 | | 0 | 22 | P 2 |
| 154 | 93 | | H | 08H-VS3 | 08H-VS3 | 4 | 00350 | 580TP | BW1+ 2.00 | 0.34 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | VS1- 0.88 | 0.68 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00350 | 580TP | VS1- 0.75 | 1.04 | | 0 | 20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00350 | 580TP | VS1+ 0.78 | 0.51 | | 0 | <20 | P 2 |
| 115 | 94 | | C | TEC-TEH | TEC-TEH | | 00045 | 610HS | BW1+ 2.24 | 0.25 | | 0 | <20 | P 2 |
| 121 | 94 | | H | 08H-VS3 | 08H-VS3 | | 00201 | 580BC | BW1- 2.22 | 0.20 | | 0 | <20 | P 2 |
| 127 | 94 | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | 08H+ 0.93 | 0.98 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | 09H+ 0.77 | 2.32 | | 0 | 36 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | BW1- 1.96 | 0.70 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00250 | 580TP | VS3+ 1.05 | 0.52 | | 0 | <20 | P 2 |
| 133 | 94 | | H | 08H-VS3 | 08H-VS3 | | 00197 | 580BC | 09H+ 0.96 | 1.03 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00197 | 580BC | VS1+ 0.00 | 0.44 | | 0 | <20 | P 2 |
| 135 | 94 | | H | 08H-VS3 | 08H-VS3 | | 00194 | 580TP | BW1- 1.95 | 0.44 | | 0 | <20 | P 2 |
| 137 | 94 | | H | 08H-VS3 | 08H-VS3 | | 00200 | 580TP | BW1+ 2.00 | 0.73 | | 0 | <20 | P 2 |
| 143 | 94 | | H | 08H-VS3 | 08H-VS3 | | 00022 | 580CP | BW1- 1.28 | 0.70 | | 0 | <20 | P 2 |
| 147 | 94 | | H | 08H-VS3 | 07H-VS3 | | 00022 | 580CP | BW1+ 1.86 | 0.80 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 07H-VS3 | | 00022 | 580CP | VS1+ 0.72 | 0.58 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 07H-VS3 | | 00022 | 580CP | VS3- 0.16 | 0.88 | | 0 | 22 | P 2 |
| 149 | 94 | | H | 08H-VS3 | 08H-BW1 | | 00027 | 580CP | BW1+ 1.78 | 0.36 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00022 | 580CP | BW1+ 1.85 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00022 | 580CP | VS1+ 0.83 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00022 | 580CP | VS3- 0.18 | 0.63 | | 0 | <20 | P 2 |
| 151 | 94 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | VS1+ 0.39 | 0.51 | | 0 | <20 | P 2 |
| 153 | 94 | | H | 08H-VS3 | 08H-VS3 | 4 | 00350 | 580TP | BW1+ 1.72 | 0.25 | | 0 | <20 | P 2 |
| 155 | 94 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1+ 2.00 | 1.02 | | 0 | <20 | P 2 |
| 159 | 94 | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | BW1- 2.00 | 0.77 | | 0 | 23 | P 2 |

CONAM NUCLEAR, INC.



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
WATAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 24 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 114 | 95 | | C | TEC-TEH | TEC-TEH | | 00037 | 610HS | BW1- 2.00 | 0.09 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00037 | 610HS | BW1+ 1.88 | 0.29 | | 0 | <20 | P 2 |
| 126 | 95 | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | 09H- 1.02 | 0.31 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | BW1- 1.92 | 0.31 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | BW1+ 1.80 | 0.31 | | 0 | <20 | P 2 |
| 130 | 95 | | H | 08H-VS3 | 08H-VS3 | | 00022 | 580CP | 09H- 1.00 | 0.70 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00022 | 580CP | 09H+ 1.00 | 0.56 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00022 | 580CP | BW1- 1.89 | 0.36 | | 0 | <20 | P 2 |
| 134 | 95 | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | 09H+ 0.61 | 0.56 | | 0 | <20 | P 2 |
| 138 | 95 | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | BW1- 2.16 | 0.31 | | 0 | <20 | P 2 |
| 140 | 95 | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | 09H+ 0.47 | 0.57 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | BW1- 2.18 | 0.38 | | 0 | <20 | P 2 |
| 142 | 95 | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | 08H- 1.32 | 0.54 | | 0 | SVI | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00178 | 580TP | 08H- 1.11 | 0.55 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00060 | 610HS | 08H- 0.93 | 0.46 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | 09H- 1.24 | 0.46 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | BW1- 1.90 | 0.49 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00178 | 580TP | BW1+ 1.99 | 0.35 | | 0.7 | SAI | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | BW1+ 2.01 | 0.37 | | 0.8 | SAI | P 2 |
| 144 | 95 | | H | 08H-VS3 | 08H-VS3 | | 00022 | 580CP | BW1- 1.96 | 0.49 | | 0 | <20 | P 2 |
| 146 | 95 | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | BW1+ 1.54 | 0.36 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | VS1- 1.05 | 0.57 | | 0 | <20 | P 2 |
| 150 | 95 | | H | 08H-VS3 | 08H-VS3 | | 00027 | 580CP | BW1+ 1.46 | 0.58 | | 0 | <20 | P 2 |
| 152 | 95 | | H | 08H-VS3 | 08H-VS3 | 4 | 00350 | 580TP | BW1+ 1.81 | 0.41 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00350 | 580TP | VS1- 0.02 | 0.38 | | 0 | <20 | P 2 |
| 154 | 95 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1+ 2.00 | 0.51 | | 0 | <20 | P 2 |
| 156 | 95 | | H | 08H-VS3 | 08H-VS3 | 4 | 00350 | 580TP | BW1+ 1.94 | 0.26 | | 0 | <20 | P 2 |
| 125 | 96 | | H | 08H-VS2 | 08H-VS2 | | 00262 | 580TP | 09H+ 0.87 | 0.47 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00262 | 580TP | BW1- 1.89 | 0.58 | | 0 | <20 | P 2 |
| 127 | 96 | | H | 08H-VS3 | 08H-VS3 | | 00262 | 580TP | BW1- 1.95 | 0.40 | | 0 | <20 | P 2 |
| 129 | 96 | | H | 08H-VS3 | 08H-VS3 | | 00262 | 580TP | 08H- 0.83 | 0.28 | | 0 | <20 | P 2 |
| 131 | 96 | | H | 08H-VS3 | 08H-VS3 | | 00262 | 580TP | BW1+ 1.75 | 0.89 | | 0 | <20 | P 2 |
| 133 | 96 | | H | 08H-VS3 | 08H-VS3 | | 00262 | 580TP | BW1+ 1.61 | 0.44 | | 0 | <20 | P 2 |
| 137 | 96 | | H | 08H-VS3 | 08H-VS3 | | 00262 | 580TP | BW1+ 1.77 | 0.55 | | 0 | <20 | P 2 |
| 139 | 96 | | H | 08H-VS3 | 08H-VS3 | | 00262 | 580TP | 09H+ 0.76 | 0.89 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00262 | 580TP | BW1+ 1.50 | 0.52 | | 0 | <20 | P 2 |
| 141 | 96 | | H | 08H-VS3 | 08H-VS3 | | 00262 | 580TP | 09H- 0.77 | 0.42 | | 0 | <20 | P 2 |
| 145 | 96 | | H | 08H-VS3 | 08H-VS3 | | 00264 | 580TP | VS1- 1.00 | 0.71 | | 0 | <20 | P 2 |
| 147 | 96 | | H | 08H-VS3 | 08H-VS3 | | 00264 | 580TP | BW1+ 1.81 | 0.61 | | 0 | <20 | P 2 |
| 151 | 96 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1+ 2.00 | 0.40 | | 0 | <20 | P 2 |
| 153 | 96 | | H | 08H-VS3 | 08H-VS3 | 4 | 00350 | 580TP | BW1+ 1.72 | 0.82 | | 0 | 20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | BW1+ 1.79 | 0.78 | | 0 | 23 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00350 | 580TP | VS1- 1.04 | 0.26 | | 0 | <20 | P 2 |
| 155 | 96 | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | BW1+ 2.00 | 0.43 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00348 | 580TP | VS1+ 0.09 | 0.49 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 25 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 159 | 96 | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | VS1- 0.25 | 0.86 | | 0 | 27 | P 2 |
| 120 | 97 | | H | 08H-VS3 | 08H-VS3 | | 00254 | 580TP | 08H+ 0.74 | 0.39 | | 0 | <20 | P 2 |
| 128 | 97 | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | 09H- 0.85 | 1.18 | | 0 | 25 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | 09H+ 0.81 | 1.04 | | 0 | 23 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | BW1+ 3.50 | 0.33 | | 0 | SVI | P 2 |
| 130 | 97 | | H | 08H-VS3 | 08H-VS3 | | 00254 | 580TP | 09H- 0.17 | 1.73 | | 0 | 28 | P 2 |
| 132 | 97 | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | VS1- 1.18 | 0.28 | | 0 | <20 | P 2 |
| 134 | 97 | | H | 08H-VS3 | 08H-VS3 | | 00254 | 580TP | BW1+ 1.62 | 0.41 | | 0 | <20 | P 2 |
| 136 | 97 | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | 09H+ 0.86 | 1.49 | | 0 | 29 | P 2 |
| 140 | 97 | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | BW1- 1.75 | 0.49 | | 0 | <20 | P 2 |
| 142 | 97 | | H | 08H-VS3 | 08H-VS3 | | 00254 | 580TP | BW1- 1.92 | 0.59 | | 0 | <20 | P 2 |
| 148 | 97 | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | 08H- 0.82 | 0.95 | | 0 | 21 | P 2 |
| 150 | 97 | | H | 08H-VS3 | 08H-VS3 | | 00254 | 580TP | BW1+ 2.01 | 0.49 | | 0 | <20 | P 2 |
| 154 | 97 | | H | 08H-VS3 | 08H-VS3 | 4 | 00344 | 580TP | 09H+ 0.76 | 0.31 | | 0 | <20 | P 2 |
| 156 | 97 | | H | 08H-VS3 | 08H-VS3 | 4 | 00344 | 580TP | VS1+ 0.00 | 0.52 | | 0 | <20 | P 2 |
| 158 | 97 | | H | 08H-VS3 | 08H-VS3 | 4 | 00344 | 580TP | 09H+ 0.71 | 0.39 | | 0 | <20 | P 2 |
| 133 | 98 | | H | 08H-VS3 | 08H-VS3 | | 00249 | 580TP | 09H+ 0.86 | 1.07 | | 0 | 21 | P 2 |
| 141 | 98 | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | 08H+ 40.73 | 0.36 | | 0 | SVI | P 2 |
| 145 | 98 | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | VS1- 0.87 | 0.85 | | 0 | 20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | VS1+ 0.85 | 0.88 | | 0 | 20 | P 2 |
| 7 | 98 | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | VS1- 0.87 | 0.81 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | VS1+ 0.76 | 0.36 | | 0 | <20 | P 2 |
| 149 | 98 | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | BW1+ 2.19 | 0.59 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | VS1- 0.81 | 0.47 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | VS1- 0.19 | 0.61 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00253 | 580TP | VS3- 0.63 | 0.55 | | 0 | <20 | P 2 |
| 151 | 98 | | H | 08H-VS3 | 08H-VS3 | 4 | 00344 | 580TP | BW1- 2.00 | 0.55 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00344 | 580TP | BW1+ 1.75 | 0.23 | | 0 | <20 | P 2 |
| 153 | 98 | | C | TEC-TEH | TEC-TEH | | 00039 | 610HS | 09H+ 0.78 | 0.30 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00344 | 580TP | 09H+ 0.78 | 0.56 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00344 | 580TP | BW1+ 1.97 | 0.64 | | 0 | <20 | P 2 |
| 155 | 98 | | H | 08H-VS3 | 08H-VS3 | 4 | 00344 | 580TP | BW1+ 1.98 | 0.55 | | 0 | <20 | P 2 |
| 124 | 99 | | H | 08H-VS2 | 08H-VS2 | | 00252 | 580TP | 09H- 0.23 | 0.83 | | 0 | 22 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00252 | 580TP | 09H+ 0.81 | 0.55 | | 0 | <20 | P 2 |
| 128 | 99 | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | 08H+ 0.92 | 0.49 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | VS3+ 1.09 | 0.47 | | 0 | <20 | P 2 |
| 132 | 99 | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | 08H+ 0.97 | 0.43 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | BW1+ 1.42 | 0.62 | | 0 | <20 | P 2 |
| 136 | 99 | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | 08H+ 0.93 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | BW1+ 1.49 | 0.80 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | BW1+ 1.91 | 0.67 | | 0 | <20 | P 2 |
| 138 | 99 | | H | 08H-VS3 | 08H-VS3 | | 00249 | 580TP | 09H+ 0.77 | 0.44 | | 0 | <20 | P 2 |
| 140 | 99 | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | BW1- 1.76 | 0.38 | | 0 | <20 | P 2 |
| 148 | 99 | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | 09H- 0.90 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | 09H+ 0.86 | 0.81 | | 0 | 21 | P 2 |



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12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

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DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | VOLTS | CURRENT | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|-------|---------|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | | MIL | DEG | % | CH |
| 148 | 99 | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | BW1+ 1.84 | 0.34 | | 0 | <20 | P 2 |
| 150 | 99 | | H | 08H-VS3 | 08H-VS3 | | 00252 | 580TP | BW1+ 1.89 | 0.33 | | 0 | <20 | P 2 |
| 152 | 99 | | H | 08H-VS3 | 08H-VS3 | 4 | 00344 | 580TP | BW1+ 1.75 | 0.37 | | 0 | <20 | P 2 |
| 111 | 100 | | C | VS6-VS5 | VS6-VS5 | | 00051 | 580BC | VS6- 1.06 | 0.42 | | 0 | <20 | P 2 |
| 133 | 100 | | H | 08H-VS3 | 08H-VS3 | | 00244 | 580TP | BW1+ 1.87 | 0.33 | | 0 | <20 | P 2 |
| 135 | 100 | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | BW1- 2.07 | 0.61 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | BW1+ 1.83 | 0.59 | | 0 | <20 | P 2 |
| 137 | 100 | | H | 08H-VS3 | 08H-VS3 | | 00289 | 580BC | BW1+ 4.57 | 0.08 | | 0 | SVI | P 2 |
| 139 | 100 | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | VS1+ 0.99 | 0.50 | | 0 | <20 | P 2 |
| 143 | 100 | | H | 08H-VS3 | 08H-VS3 | | 00244 | 580TP | VS1+ 0.98 | 0.47 | | 0 | <20 | P 2 |
| 147 | 100 | | H | 08H-VS3 | 08H-VS3 | | 00244 | 580TP | 09H+ 0.76 | 0.37 | | 0 | <20 | P 2 |
| 151 | 100 | | H | 08H-VS3 | 09H-VS3 | 4 | 00340 | 580TP | BW1+ 1.85 | 0.30 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | BW1+ 1.99 | 0.22 | | 0 | <20 | P 2 |
| 153 | 100 | | H | 08H-VS3 | 09H-VS3 | 4 | 00340 | 580TP | BW1+ 1.45 | 0.60 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00359 | 580TP | BW1+ 1.68 | 0.43 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | BW1+ 1.93 | 0.30 | | 0 | <20 | P 2 |
| 124 | 101 | | H | 08H-VS2 | 08H-VS2 | | 00244 | 580TP | 08H- 0.07 | 0.72 | | 0 | 20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00244 | 580TP | 08H+ 0.88 | 0.63 | | 0 | <20 | P 2 |
| 126 | 101 | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | BW1+ 1.89 | 0.54 | | 0 | <20 | P 2 |
| 130 | 101 | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | 09H- 0.41 | 0.31 | | 0 | <20 | P 2 |
| 134 | 101 | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | 09H+ 0.96 | 0.55 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | BW1- 1.79 | 0.51 | | 0 | <20 | P 2 |
| 138 | 101 | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | 09H+ 0.92 | 0.88 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | BW1+ 1.51 | 0.33 | | 0 | <20 | P 2 |
| 142 | 101 | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | 09H+ 0.72 | 0.45 | | 0 | <20 | P 2 |
| 146 | 101 | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | 09H+ 0.88 | 0.85 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | BW1- 1.93 | 0.58 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00245 | 580TP | BW1+ 3.71 | 0.60 | | 0 | SVI | P 2 |
| 97 | 102 | | C | TEC-TEH | TEC-TEH | | 00042 | 610HS | TSH+ 9.69 | 1.78 | 153 | <20 | 1 | |
| 127 | 102 | | H | 08H-VS3 | 08H-VS3 | | 00239 | 580TP | BW1+ 1.82 | 0.73 | | 0 | <20 | P 2 |
| 135 | 102 | | H | 08H-VS3 | 08H-VS3 | | 00239 | 580TP | BW1- 1.85 | 0.41 | | 0 | <20 | P 2 |
| 137 | 102 | | H | 08H-VS3 | 08H-VS3 | | 00239 | 580TP | BW1- 2.00 | 0.44 | | 0 | <20 | P 2 |
| 139 | 102 | | H | 08H-VS3 | 08H-VS3 | | 00239 | 580TP | BW1+ 2.00 | 0.71 | | 0 | <20 | P 2 |
| 143 | 102 | | H | 08H-VS3 | 08H-VS3 | | 00244 | 580TP | BW1+ 1.33 | 0.22 | | 0 | <20 | P 2 |
| 149 | 102 | | H | 08H-VS3 | 08H-VS3 | | 00244 | 580TP | BW1+ 1.86 | 1.43 | | 0 | 30 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00244 | 580TP | VS3- 0.19 | 0.38 | | 0 | <20 | P 2 |
| 153 | 102 | | C | TEC-TEH | TEC-TEH | | 00008 | 610HS | BW1+ 2.06 | 0.28 | | 0 | <20 | P 2 |
| 124 | 103 | | H | 08H-VS2 | 08H-VS2 | | 00239 | 580TP | 08H+ 1.00 | 0.54 | | 0 | <20 | P 2 |
| 136 | 103 | | H | 08H-VS3 | 08H-VS3 | | 00239 | 580TP | BW1- 1.88 | 0.59 | | 0 | <20 | P 2 |
| 150 | 103 | | H | 08H-VS3 | 09H-VS3 | | 00234 | 580TP | BW1- 1.84 | 0.99 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 09H-VS3 | | 00234 | 580TP | VS1- 0.70 | 0.47 | | 0 | <20 | P 2 |
| 152 | 103 | | H | 08H-VS3 | 08H-VS3 | 4 | 00340 | 580TP | 09H+ 0.64 | 0.57 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00340 | 580TP | BW1- 1.60 | 0.52 | | 0 | <20 | P 2 |
| 61 | 104 | | H | TSH-TSH | TSH-TSH | | 00012 | 610BC | TSH+ 0.50 | 0.35 | 0.2 | SAI | P 2 | |
| 113 | 104 | | C | TEC-TEH | TEC-01H | | 00019 | 610HS | BW1- 2.00 | 0.44 | | 0 | <20 | P 2 |



11-11-11

11-11-11

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
PAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 27 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | VOLTS | CURRENT | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|-------|---------|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | | MIL | DEG | % | CH |
| 131 | 104 | | H | 08H-VS3 | 08H-VS3 | | 00234 | 580TP | 09H+ 0.79 | 0.39 | | 0 | <20 | P 2 |
| 135 | 104 | | H | 08H-VS3 | 08H-VS3 | | 00235 | 580TP | 09H+ 0.88 | 0.42 | | 0 | <20 | P 2 |
| 137 | 104 | | H | 08H-VS3 | 08H-VS3 | | 00234 | 580TP | BW1+ 1.86 | 0.81 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00234 | 580TP | BW1+ 2.89 | 0.49 | | 0 | SVI | P 2 |
| 149 | 104 | | H | 08H-VS3 | 08H-VS3 | | 00234 | 580TP | BW1+ 1.97 | 0.69 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00234 | 580TP | VS1- 0.78 | 0.75 | | 0 | <20 | P 2 |
| 132 | 105 | | H | 08H-VS3 | 08H-VS3 | | 00231 | 580TP | BW1+ 1.91 | 0.41 | | 0 | <20 | P 2 |
| 136 | 105 | | H | 08H-VS3 | 08H-VS3 | | 00231 | 580TP | BW1+ 2.12 | 0.35 | | 0 | <20 | P 2 |
| 148 | 105 | | H | 08H-VS3 | 08H-VS3 | | 00231 | 580TP | BW1+ 1.98 | 0.25 | | 0 | <20 | P 2 |
| 150 | 105 | | H | 08H-VS3 | 08H-VS3 | | 00229 | 580TP | 09H+ 0.65 | 0.56 | | 0 | <20 | P 2 |
| 152 | 105 | | H | 08H-VS3 | 09H-VS3 | 4 | 00340 | 580TP | 09H- 1.16 | 0.60 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 4 | 00359 | 580TP | 09H- 1.01 | 0.68 | | 0 | <20 | P 2 |
| 95 | 106 | | C | TEC-TEH | TEC-TEH | | 00021 | 610HS | 01C+ 12.37 | 0.27 | 112 | 21 | P 1 | |
| 97 | 106 | | C | TEC-TEH | TEC-TEH | | 00045 | 610HS | VS2- 1.16 | 0.49 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00045 | 610HS | VS2+ 0.84 | 0.47 | | 0 | <20 | P 2 |
| 107 | 106 | | C | TEC-TEH | TEC-TEH | | 00045 | 610HS | BW1+ 2.20 | 0.17 | | 0 | <20 | P 2 |
| 145 | 106 | | H | 08H-VS3 | 08H-VS3 | | 00231 | 580TP | BW1- 2.04 | 0.28 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00231 | 580TP | VS1+ 0.96 | 0.39 | | 0 | <20 | P 2 |
| 147 | 106 | | H | 08H-VS3 | 08H-VS3 | | 00229 | 580TP | 09H- 0.29 | 0.51 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00229 | 580TP | BW1+ 1.42 | 0.57 | | 0 | <20 | P 2 |
| 9 | 106 | | H | 08H-VS3 | 08H-VS3 | | 00229 | 580TP | 09H- 1.07 | 0.50 | | 0 | <20 | P 2 |
| 108 | 107 | | C | TEC-TEH | TSC-TEH | | 00024 | 610HS | BW1- 1.96 | 0.21 | | 0 | <20 | P 2 |
| 116 | 107 | | H | BW1-VS2 | BW1-VS2 | | 00333 | 580TP | BW1+ 1.65 | 0.33 | | 0 | <20 | P 2 |
| 128 | 107 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | 08H+ 0.55 | 0.77 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | 09H- 0.59 | 0.36 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | 09H+ 0.61 | 0.47 | | 0 | <20 | P 2 |
| 132 | 107 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | 09H+ 1.14 | 1.04 | | 0 | 26 | P 2 |
| 136 | 107 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | 09H+ 0.62 | 0.85 | | 0 | 22 | P 2 |
| 138 | 107 | | H | 08H-VS3 | 08H-VS3 | | 00229 | 580TP | 09H- 0.21 | 1.00 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00229 | 580TP | 09H+ 0.78 | 1.05 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00229 | 580TP | BW1+ 1.27 | 0.47 | | 0 | <20 | P 2 |
| 140 | 107 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | 09H+ 0.76 | 0.78 | | 0 | 21 | P 2 |
| 142 | 107 | | H | 08H-VS3 | 08H-VS3 | | 00229 | 580TP | BW1+ 1.59 | 0.58 | | 0 | <20 | P 2 |
| 144 | 107 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | BW1+ 1.56 | 0.70 | | 0 | <20 | P 2 |
| 152 | 107 | | C | TEC-TEH | TEC-TEH | | 00039 | 610HS | BW1+ 1.99 | 0.72 | | 0 | <20 | P 2 |
| 154 | 107 | | C | TEC-TEH | TEC-TEH | | 00016 | 610HS | BW1+ 1.91 | 0.64 | | 0 | 21 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00016 | 610HS | VS1- 0.83 | 0.53 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00016 | 610HS | VS3- 0.92 | 0.40 | | 0 | <20 | P 2 |
| 119 | 108 | | C | TEC-TEH | TEC-TEH | | 00026 | 610HS | BW1+ 2.10 | 0.18 | | 0 | <20 | P 2 |
| 121 | 108 | | H | 08H-VS3 | 08H-VS3 | | 00223 | 580TP | BW1+ 1.75 | 0.75 | | 0 | <20 | P 2 |
| 123 | 108 | | H | 08H-VS2 | 08H-VS2 | | 00223 | 580TP | 09H+ 0.99 | 0.39 | | 0 | <20 | P 2 |
| 125 | 108 | | H | 08H-VS2 | 08H-VS2 | | 00223 | 580TP | BW1- 1.81 | 0.40 | | 0 | <20 | P 2 |
| 127 | 108 | | H | 08H-VS3 | 08H-BW1 | | 00290 | 580TP | 09H- 0.12 | 0.25 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | BW1-VS3 | | 00223 | 580TP | BW1+ 1.75 | 1.25 | | 0 | 20 | P 2 |
| 131 | 108 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | 09H- 0.05 | 0.34 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.

11/23/01

11/23/01



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 28 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 131 | 108 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | 09H+ 0.97 | 0.14 | | 0 | <20 | P 2 |
| 133 | 108 | | H | 08H-VS3 | 08H-VS3 | | 00290 | 580TP | BW1+ 1.77 | 0.61 | | 0 | <20 | P 2 |
| 139 | 108 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | BW1+ 1.92 | 0.35 | | 0 | <20 | P 2 |
| 143 | 108 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | BW1+ 1.68 | 0.51 | | 0 | <20 | P 2 |
| 145 | 108 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | BW1+ 1.75 | 0.28 | | 0 | <20 | P 2 |
| 147 | 108 | | H | 08H-VS3 | 08H-VS3 | | 00227 | 580TP | BW1+ 2.48 | 0.46 | | 0 | <20 | P 2 |
| 149 | 108 | | H | 08H-VS3 | 08H-VS3 | | 00229 | 580TP | BW1+ 1.71 | 0.97 | | 0 | <20 | P 2 |
| 112 | 109 | | C | TEC-TEH | TEC-TEH | | 00026 | 610HS | BW1- 1.90 | 0.19 | | 0 | <20 | P 2 |
| 132 | 109 | | H | 08H-VS3 | 08H-VS3 | | 00222 | 580TP | VS1- 0.93 | 0.63 | | 0 | <20 | P 2 |
| 138 | 109 | | H | 08H-VS3 | 08H-VS3 | | 00223 | 580TP | BW1- 1.93 | 0.69 | | 0 | <20 | P 2 |
| 140 | 109 | | H | 08H-VS3 | 08H-VS3 | | 00222 | 580TP | BW1+ 2.07 | 0.30 | | 0 | <20 | P 2 |
| 142 | 109 | | H | 08H-VS3 | 08H-VS3 | | 00223 | 580TP | BW1- 1.84 | 0.45 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00223 | 580TP | VS1+ 0.86 | 0.38 | | 0 | <20 | P 2 |
| 146 | 109 | | H | 08H-VS3 | 08H-VS3 | | 00223 | 580TP | BW1+ 1.74 | 0.67 | | 0 | <20 | P 2 |
| 148 | 109 | | H | 08H-VS3 | 08H-VS3 | | 00222 | 580TP | BW1+ 1.78 | 0.35 | | 0 | <20 | P 2 |
| 109 | 110 | | C | TEC-TEH | TEC-TEH | | 00025 | 610HS | BW1+ 2.00 | 0.25 | | 0 | <20 | P 2 |
| 111 | 110 | | C | TEC-TEH | TEC-TEH | | 00026 | 610HS | BW1+ 2.23 | 0.15 | | 0 | <20 | P 2 |
| 125 | 110 | | H | 08H-VS2 | 08H-VS2 | | 00216 | 580TP | 09H- 0.10 | 0.23 | | 0 | <20 | P 2 |
| 127 | 110 | | H | 08H-VS3 | 08H-VS3 | | 00219 | 580TP | 09H+ 1.00 | 0.52 | | 0 | <20 | P 2 |
| 131 | 110 | | H | 08H-VS3 | 08H-VS3 | | 00219 | 580TP | 09H- 0.98 | 0.49 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00219 | 580TP | BW1+ 2.00 | 0.75 | | 0 | <20 | P 2 |
| 135 | 110 | | H | 08H-VS3 | 08H-VS3 | | 00219 | 580TP | BW1+ 1.94 | 0.62 | | 0 | <20 | P 2 |
| 153 | 110 | | C | TEC-TEH | TEC-TEH | | 00016 | 610HS | 09H+ 0.83 | 0.29 | | 0 | <20 | P 2 |
| 157 | 110 | | C | TEC-TEH | TEC-TEH | | 00016 | 610HS | BW1+ 2.07 | 0.51 | | 0 | <20 | P 2 |
| 122 | 111 | | H | 08H-VS2 | 08H-VS2 | | 00219 | 580TP | 08H+ 1.00 | 0.43 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00219 | 580TP | 09H- 0.93 | 0.53 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00219 | 580TP | BW1+ 2.05 | 0.32 | | 0 | <20 | P 2 |
| 126 | 111 | | H | 08H-VS3 | 08H-VS3 | | 00219 | 580TP | 09H+ 0.13 | 0.85 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00219 | 580TP | BW1- 1.92 | 0.68 | | 0 | <20 | P 2 |
| 130 | 111 | | H | 08H-VS3 | 08H-BW1 | | 00219 | 580TP | 09H+ 0.87 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-BW1 | | 00219 | 580TP | BW1+ 2.06 | 0.45 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | VS1-VS3 | | 00219 | 580TP | VS3- 0.89 | 0.33 | | 0 | <20 | P 2 |
| 134 | 111 | | H | 08H-VS3 | 08H-BW1 | | 00219 | 580TP | BW1+ 1.80 | 0.41 | | 0 | <20 | P 2 |
| 138 | 111 | | H | 08H-VS3 | 08H-VS3 | | 00219 | 580TP | BW1+ 0.54 | 0.41 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00219 | 580TP | BW1+ 1.56 | 0.64 | | 0 | <20 | P 2 |
| 144 | 111 | | H | 08H-VS3 | 08H-VS3 | | 00216 | 580TP | VS1+ 0.68 | 0.51 | | 0 | <20 | P 2 |
| 148 | 111 | | H | 08H-VS3 | 08H-VS3 | | 00216 | 580TP | 09H- 0.88 | 0.25 | | 0 | <20 | P 2 |
| 150 | 111 | | H | 08H-VS3 | 08H-VS3 | | 00219 | 580TP | BW1- 2.09 | 0.51 | | 0 | <20 | P 2 |
| 149 | 112 | | H | 08H-VS3 | 08H-VS3 | | 00299 | 580TP | BW1+ 1.94 | 0.26 | | 0 | <20 | P 2 |
| 118 | 113 | | C | TEC-TEH | TEC-TEH | | 00026 | 610HS | BW2+ 1.75 | 0.28 | | 0 | <20 | P 2 |
| 126 | 113 | | H | 08H-VS3 | BW1-VS1 | | 00299 | 580TP | VS1+ 0.63 | 0.25 | | 0 | <20 | P 2 |
| 134 | 113 | | H | 08H-VS3 | 08H-BW1 | | 00215 | 580TP | BW1+ 1.77 | 0.51 | | 0 | <20 | P 2 |
| 136 | 113 | | H | 08H-VS3 | 08H-VS3 | | 00215 | 580TP | BW1+ 1.93 | 0.56 | | 0 | <20 | P 2 |
| 142 | 113 | | H | 08H-VS3 | 08H-VS3 | | 00299 | 580TP | 09H+ 0.74 | 1.16 | | 0 | SVI | P 2 |
| 146 | 113 | | H | 08H-VS3 | 08H-BW1 | | 00215 | 580TP | BW1+ 2.21 | 0.39 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 29 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 111 | 114 | | C | TEC-TEH | TEC-TEH | | 00026 | 610HS | BW1+ 2.09 | 0.31 | | 0 | <20 | P 2 |
| 125 | 114 | | H | 08H-VS2 | 08H-VS2 | | 00213 | 580TP | 09H+ 0.91 | 0.50 | | 0 | <20 | P 2 |
| 129 | 114 | | H | 08H-VS3 | 08H-VS3 | | 00213 | 580TP | 08H+ 0.84 | 0.59 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00213 | 580TP | 09H- 0.08 | 0.61 | | 0 | <20 | P 2 |
| 131 | 114 | | H | 08H-VS3 | 08H-VS3 | | 00299 | 580TP | 09H- 1.10 | 0.54 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00299 | 580TP | BW1+ 1.85 | 0.43 | | 0 | <20 | P 2 |
| 133 | 114 | | H | 08H-VS3 | 08H-VS3 | | 00213 | 580TP | BW1+ 1.66 | 0.38 | | 0 | <20 | P 2 |
| 143 | 114 | | H | 08H-VS3 | 08H-VS3 | | 00213 | 580TP | BW1+ 1.97 | 0.23 | | 0 | <20 | P 2 |
| 110 | 115 | | C | TEC-TEH | TEC-TEH | | 00025 | 610HS | BW1- 2.00 | 0.15 | | 0 | <20 | P 2 |
| 122 | 115 | | H | 08H-VS2 | 08H-VS3 | | 00212 | 580TP | 09H+ 0.79 | 0.33 | | 0 | <20 | P 2 |
| 124 | 115 | | H | 08H-VS2 | 08H-VS3 | | 00212 | 580TP | 09H- 0.13 | 0.75 | | 0 | <20 | P 2 |
| 126 | 115 | | H | 08H-VS3 | 07H-VS3 | | 00212 | 580TP | 09H+ 0.96 | 0.95 | | 0 | <20 | P 2 |
| 121 | 116 | | H | 08H-VS3 | 08H-VS3 | | 00206 | 580TP | BW1- 1.81 | 0.53 | | 0 | <20 | P 2 |
| 127 | 116 | | H | 08H-VS3 | 08H-VS3 | | 00209 | 580TP | 09H+ 0.83 | 0.87 | | 0 | <20 | P 2 |
| 133 | 116 | | H | 08H-VS3 | 08H-VS3 | | 00209 | 580TP | 09H- 0.49 | 0.54 | | 0 | <20 | P 2 |
| 135 | 116 | | H | 08H-VS3 | 08H-VS3 | | 00209 | 580TP | VS2+ 0.84 | 0.58 | | 0 | <20 | P 2 |
| 143 | 116 | | H | 08H-VS3 | 08H-VS3 | | 00209 | 580TP | 09H+ 0.83 | 0.57 | | 0 | <20 | P 2 |
| 145 | 116 | | H | 08H-VS3 | 08H-VS3 | | 00210 | 580TP | BW1+ 2.07 | 0.40 | | 0 | <20 | P 2 |
| 147 | 116 | | H | 08H-VS3 | 08H-VS3 | | 00210 | 580TP | BW1+ 1.75 | 0.27 | | 0 | <20 | P 2 |
| 149 | 116 | | H | 08H-VS3 | 08H-VS3 | | 00210 | 580TP | BW1+ 2.13 | 0.48 | | 0 | <20 | P 2 |
| 152 | 117 | | H | 08H-VS2 | 08H-VS3 | | 00207 | 580TP | BW1+ 1.15 | 0.72 | | 0 | <20 | P 2 |
| 156 | 117 | | H | 08H-VS3 | 08H-VS3 | | 00207 | 580TP | 09H+ 0.79 | 1.32 | | 0 | 25 | P 2 |
| 128 | 117 | | H | 08H-VS3 | 08H-VS3 | | 00206 | 580TP | 09H+ 1.06 | 0.56 | | 0 | <20 | P 2 |
| 134 | 117 | | H | 08H-VS3 | 08H-VS3 | | 00207 | 580TP | BW1- 1.80 | 0.73 | | 0 | <20 | P 2 |
| 136 | 117 | | H | 08H-VS3 | 08H-VS3 | | 00206 | 580TP | BW1- 2.17 | 0.50 | | 0 | <20 | P 2 |
| 138 | 117 | | H | 08H-VS3 | 08H-VS3 | | 00207 | 580TP | BW1+ 1.93 | 0.88 | | 0 | <20 | P 2 |
| 142 | 117 | | H | 08H-VS3 | 08H-VS3 | | 00207 | 580TP | BW1- 1.86 | 0.81 | | 0 | <20 | P 2 |
| 144 | 117 | | H | 08H-VS3 | 08H-VS3 | | 00206 | 580TP | BW1+ 1.93 | 0.46 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00206 | 580TP | VS1- 0.96 | 0.22 | | 0 | <20 | P 2 |
| 146 | 117 | | H | 08H-VS3 | 08H-VS3 | | 00207 | 580TP | BW1+ 1.79 | 0.89 | | 0 | <20 | P 2 |
| 150 | 117 | | H | 08H-VS3 | 08H-VS3 | | 00207 | 580TP | BW1+ 1.74 | 0.71 | | 0 | <20 | P 2 |
| 99 | 118 | | C | TEC-TEH | TEC-TEH | | 00028 | 610HS | BW1+ 2.25 | 0.25 | | 0 | <20 | P 2 |
| 107 | 118 | | C | TEC-TEH | TEC-TEH | | 00028 | 610HS | BW1+ 2.25 | 0.18 | | 0 | <20 | P 2 |
| 115 | 118 | | C | TEC-TEH | TEC-TEH | | 00028 | 610HS | VS5- 0.79 | 0.54 | | 0 | <20 | P 2 |
| 123 | 118 | | H | 08H-VS2 | 08H-VS3 | | 00202 | 580CP | BW1+ 2.05 | 1.10 | | 0 | 21 | P 2 |
| 129 | 118 | | H | 08H-VS3 | 08H-VS3 | | 00207 | 580TP | 09H+ 0.87 | 0.69 | | 0 | <20 | P 2 |
| 147 | 118 | | H | 08H-VS3 | 08H-VS3 | | 00206 | 580TP | BW1+ 1.91 | 0.93 | | 0 | 24 | P 2 |
| 94 | 119 | | C | TEC-TEH | TEC-TEH | | 00028 | 610HS | BW1+ 2.22 | 0.15 | | 0 | <20 | P 2 |
| 124 | 119 | | H | 08H-VS2 | 08H-VS2 | | 00203 | 580CP | 09H- 0.40 | 0.26 | | 0 | <20 | P 2 |
| 128 | 119 | | H | 08H-VS3 | 08H-VS3 | | 00203 | 580CP | 09H- 1.11 | 0.27 | | 0 | <20 | P 2 |
| 130 | 119 | | H | 08H-VS3 | 08H-VS3 | | 00202 | 580CP | 09H+ 1.00 | 0.62 | | 0 | <20 | P 2 |
| 132 | 119 | | H | 08H-VS3 | 08H-BW1 | | 00203 | 580CP | 09H+ 0.75 | 0.58 | | 0 | <20 | P 2 |
| 134 | 119 | | H | 08H-VS3 | 08H-VS3 | | 00202 | 580CP | 09H+ 1.19 | 0.49 | | 0 | <20 | P 2 |
| 138 | 119 | | H | 08H-VS3 | 08H-VS3 | | 00202 | 580CP | BW1- 1.77 | 0.61 | | 0 | <20 | P 2 |
| 97 | 120 | | C | TEC-TEH | TEC-TEH | | 00028 | 610HS | VS2- 1.00 | 0.64 | | 0 | 21 | P 2 |

CONAM NUCLEAR, INC.



1. Name
2. Address
3. City
4. State
5. Zip
6. Phone
7. E-mail
8. Fax
9. Telex
10. Cable



1. Name
2. Address
3. City
4. State
5. Zip
6. Phone
7. E-mail
8. Fax
9. Telex
10. Cable



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
STAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 30 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 123 | 120 | | H | 08H-VS2 | 08H-VS3 | | 00202 | 580CP | BW1+ 1.75 | 1.22 | | 0 | 22 | P 2 |
| 127 | 120 | | H | 08H-VS3 | 08H-VS3 | | 00202 | 580CP | BW1- 2.17 | 0.40 | | 0 | <20 | P 2 |
| 131 | 120 | | H | 08H-VS3 | 08H-VS3 | | 00203 | 580CP | 09H+ 1.02 | 0.89 | | 0 | 23 | P 2 |
| 137 | 120 | | H | 08H-VS3 | 08H-VS3 | | 00202 | 580CP | VS1+ 0.63 | 0.19 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00202 | 580CP | VS3- 0.30 | 0.31 | | 0 | <20 | P 2 |
| 149 | 120 | | H | 08H-VS3 | 08H-VS3 | | 00195 | 580CP | BW1+ 1.71 | 1.90 | | 0 | 32 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00195 | 580CP | BW1+ 1.73 | 0.90 | | 0 | <20 | P 2 |
| 122 | 121 | | H | 08H-VS2 | 08H-BW1 | | 00195 | 580CP | BW1+ 1.69 | 0.59 | | 0 | <20 | P 2 |
| 126 | 121 | | H | 08H-VS3 | 08H-VS3 | | 00192 | 580CP | 09H+ 0.95 | 0.59 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00192 | 580CP | BW1- 1.72 | 0.14 | | 0 | <20 | P 2 |
| 142 | 121 | | H | 08H-VS3 | 09H-VS3 | | 00192 | 580CP | BW1+ 1.94 | 0.16 | | 0 | <20 | P 2 |
| 148 | 121 | | H | 08H-VS3 | 08H-VS3 | | 00188 | 580CP | BW1+ 2.25 | 0.79 | | 0 | <20 | P 2 |
| 109 | 122 | | C | TEC-TEH | TEC-TEH | | 00028 | 610HS | BW1+ 2.25 | 0.21 | | 0 | <20 | P 2 |
| 117 | 122 | | C | TEC-TEH | TEC-TEH | | 00028 | 610HS | BW1- 2.02 | 0.28 | | 0 | <20 | P 2 |
| 123 | 122 | | H | 08H-VS2 | 08H-VS2 | | 00184 | 580TP | BW1+ 2.15 | 0.51 | | 0 | <20 | P 2 |
| 118 | 123 | | C | TEC-TEH | TEC-TEH | | 00027 | 610HS | 09H+ 1.01 | 0.49 | | 0 | <20 | P 2 |
| 120 | 123 | | H | 08H-VS3 | 08H-VS3 | | 00182 | 580TP | BW1- 2.06 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00182 | 580TP | BW1+ 1.81 | 0.51 | | 0 | <20 | P 2 |
| 122 | 123 | | H | 08H-VS2 | 08H-VS2 | | 00182 | 580TP | BW1+ 1.76 | 0.96 | | 0 | 20 | P 2 |
| 124 | 123 | | H | 08H-VS2 | 08H-VS2 | | 00182 | 580TP | 09H- 0.32 | 1.45 | | 0 | 27 | P 2 |
| 128 | 123 | | H | 08H-VS3 | 08H-VS3 | | 00188 | 580CP | BW1+ 2.09 | 0.76 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00188 | 580CP | BW1+ 2.25 | 0.66 | | 0 | <20 | P 2 |
| 97 | 124 | | H | 08H-VS3 | 08H-VS3 | 1 | 00266 | 580TP | 08H- 0.82 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | 1 | 00266 | 580TP | 08H+ 0.23 | 0.30 | | 0 | <20 | P 2 |
| 99 | 124 | | H | 08H-08H | 08H-08H | | 00265 | 610BC | 08H+ 0.89 | 0.36 | | 0 | <20 | P 2 |
| 123 | 124 | | H | 08H-VS2 | 08H-VS2 | | 00182 | 580TP | BW1+ 2.00 | 0.28 | | 0 | <20 | P 2 |
| 125 | 124 | | H | 08H-VS2 | 08H-VS2 | | 00182 | 580TP | 09H- 0.78 | 0.54 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00182 | 580TP | BW1- 1.91 | 0.67 | | 0 | <20 | P 2 |
| 120 | 125 | | H | 08H-VS3 | 08H-VS3 | | 00182 | 580TP | 09H- 0.92 | 0.44 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00182 | 580TP | 09H+ 0.62 | 0.60 | | 0 | <20 | P 2 |
| 122 | 125 | | H | 08H-VS2 | 08H-VS2 | | 00182 | 580TP | 08H+ 1.13 | 0.32 | | 0 | <20 | P 2 |
| 124 | 125 | | H | 08H-VS2 | 08H-VS3 | | 00182 | 580TP | 09H+ 0.90 | 0.62 | | 0 | <20 | P 2 |
| 126 | 125 | | H | 08H-VS3 | 08H-VS3 | | 00182 | 580TP | 09H+ 0.94 | 0.74 | | 0 | <20 | P 2 |
| 142 | 125 | | H | 08H-VS3 | 08H-VS3 | | 00176 | 580TP | VS1- 0.73 | 0.49 | | 0 | <20 | P 2 |
| 144 | 125 | | H | 08H-VS3 | 08H-VS3 | | 00176 | 580TP | VS1+ 0.94 | 0.60 | | 0 | <20 | P 2 |
| 95 | 126 | | H | 08H-VS3 | 08H-VS3 | | 00090 | 580TP | BW1+ 1.45 | 0.54 | | 0 | <20 | P 2 |
| 99 | 126 | | H | 08H-VS3 | 08H-VS3 | | 00090 | 580TP | BW1+ 1.59 | 0.85 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00365 | 580TP | BW1+ 1.68 | 0.34 | | 0 | <20 | P 2 |
| 103 | 126 | | H | 08H-VS3 | 08H-VS3 | | 00090 | 580TP | 08H+ 0.83 | 0.33 | | 0 | <20 | P 2 |
| 107 | 126 | | H | 08H-VS3 | 08H-VS3 | | 00090 | 580TP | VS2- 0.66 | 0.43 | | 0 | <20 | P 2 |
| 109 | 126 | | H | 08H-VS3 | 08H-VS3 | | 00093 | 580TP | BW1+ 1.84 | 0.20 | | 0 | <20 | P 2 |
| 115 | 126 | | H | 08H-VS3 | 08H-VS3 | | 00090 | 580TP | BW1+ 1.69 | 0.37 | | 0 | <20 | P 2 |
| 121 | 126 | | H | 08H-VS3 | 08H-VS3 | | 00096 | 580TP | 09H+ 0.80 | 0.44 | | 0 | <20 | P 2 |
| 123 | 126 | | H | 08H-VS2 | 08H-VS3 | | 00090 | 580TP | 09H- 0.78 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS3 | | 00090 | 580TP | BW1+ 1.71 | 0.29 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



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11/11/11



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 31 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 127 | 126 | | H | 08H-VS3 | 08H-VS3 | | 00366 | 580BC | 09H+ 0.83 | 1.22 | | 0 | 28 | P 2 |
| | | | H | 08H-VS3 | 08H-BW1 | | 00096 | 580TP | 09H+ 1.02 | 1.17 | | 0 | 26 | P 2 |
| 137 | 126 | | H | 08H-VS3 | 08H-VS1 | | 00276 | 580TP | 09H+ 1.07 | 0.36 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS1 | | 00276 | 580TP | VS1- 0.97 | 0.24 | | 0 | <20 | P 2 |
| 139 | 126 | | H | 08H-VS3 | BW1-VS3 | | 00319 | 580BC | BW1+ 2.07 | 0.53 | | 0 | <20 | P 2 |
| 147 | 126 | | H | 08H-VS3 | 08H-VS3 | | 00096 | 580TP | 08H+ 0.55 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00096 | 580TP | BW1+ 1.89 | 0.69 | | 0 | <20 | P 2 |
| 149 | 126 | | H | 08H-VS3 | 08H-VS3 | | 00098 | 580TP | 08H+ 0.70 | 0.36 | | 0 | <20 | P 2 |
| 96 | 127 | | H | 08H-VS3 | 08H-VS3 | | 00090 | 580TP | BW1+ 1.72 | 0.48 | | 0 | <20 | P 2 |
| 98 | 127 | | H | 08H-VS3 | 08H-VS3 | | 00087 | 580TP | BW1+ 1.94 | 0.27 | | 0 | <20 | P 2 |
| 118 | 127 | | H | 08H-VS3 | 08H-VS3 | | 00100 | 580TP | BW1- 1.68 | 0.77 | | 0 | <20 | P 2 |
| 122 | 127 | | H | 08H-VS2 | 08H-VS3 | | 00100 | 580TP | 09H- 0.76 | 0.75 | | 0 | 22 | P 2 |
| 124 | 127 | | H | 08H-VS2 | 08H-VS3 | | 00098 | 580TP | 09H- 0.01 | 0.55 | | 0 | <20 | P 2 |
| 140 | 127 | | H | 08H-VS3 | 08H-VS3 | | 00098 | 580TP | BW1+ 1.84 | 0.26 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00098 | 580TP | VS1+ 0.54 | 0.53 | | 0 | <20 | P 2 |
| 142 | 127 | | H | 08H-VS3 | 08H-BW1 | | 00100 | 580TP | 09H+ 0.77 | 0.28 | | 0 | <20 | P 2 |
| 146 | 127 | | H | 08H-VS3 | 08H-VS3 | | 00098 | 580TP | BW1+ 1.76 | 0.50 | | 0 | <20 | P 2 |
| 97 | 128 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 08H+ 0.81 | 0.36 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1+ 1.80 | 0.59 | | 0 | <20 | P 2 |
| 101 | 128 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 08H- 0.25 | 0.55 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 08H+ 0.74 | 0.67 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1- 2.24 | 0.68 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1+ 1.24 | 0.67 | | 0 | <20 | P 2 |
| 119 | 128 | | H | 08H-VS3 | 08H-VS3 | | 00285 | 580TP | 08H- 0.95 | 0.55 | | 0 | <20 | P 2 |
| 121 | 128 | | H | 08H-VS3 | 08H-VS3 | | 00098 | 580TP | 09H- 0.95 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00098 | 580TP | 09H+ 1.01 | 0.51 | | 0 | <20 | P 2 |
| 139 | 128 | | H | 08H-VS3 | 08H-VS3 | | 00102 | 580TP | 09H+ 0.99 | 0.31 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00102 | 580TP | BW1+ 1.73 | 0.55 | | 0 | <20 | P 2 |
| 143 | 128 | | H | 07H-VS3 | 07H-VS3 | | 00276 | 580TP | 08H- 1.04 | 1.52 | | 0 | 34 | P 2 |
| | | | H | 07H-VS3 | 07H-VS3 | | 00276 | 580TP | 09H+ 1.17 | 0.77 | | 0 | 22 | P 2 |
| 147 | 128 | | C | TEC-TEH | TEC-TEH | 2 | 00060 | 610HS | 08H- 0.99 | 0.43 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00103 | 580TP | 08H- 0.93 | 0.33 | | 0 | SVI | P 2 |
| 98 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1- 1.72 | 0.30 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1+ 1.51 | 0.41 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | VS3+ 0.66 | 0.31 | | 0 | <20 | P 2 |
| 102 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1- 2.15 | 0.32 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1+ 1.98 | 0.56 | | 0 | <20 | P 2 |
| 106 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1- 1.80 | 0.22 | | 0 | <20 | P 2 |
| 110 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 08H- 0.84 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1- 1.79 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1+ 1.75 | 0.35 | | 0 | <20 | P 2 |
| 114 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 08H+ 0.96 | 0.47 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1- 1.76 | 0.54 | | 0 | <20 | P 2 |
| 116 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 09H+ 0.56 | 0.51 | | 0 | <20 | P 2 |
| 118 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00103 | 580TP | 08H+ 0.84 | 0.44 | | 0 | <20 | P 2 |

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
MUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 32 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 118 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00103 | 580TP | BW1- 2.02 | 0.35 | | 0 | <20 | P 2 |
| 120 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00106 | 580TP | 09H- 0.98 | 0.75 | | 0 | <20 | P 2 |
| 132 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00103 | 580TP | 09H+ 1.15 | 0.17 | | 0 | <20 | P 2 |
| 140 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00103 | 580TP | 09H+ 1.01 | 0.33 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00103 | 580TP | VS1+ 0.88 | 0.33 | | 0 | <20 | P 2 |
| 144 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00103 | 580TP | 09H- 1.02 | 0.21 | | 0 | <20 | P 2 |
| 146 | 129 | | H | 08H-VS3 | 08H-VS3 | | 00102 | 580TP | BW1+ 1.80 | 1.72 | | 0 | 26 | P 2 |
| 97 | 130 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 08H+ 0.84 | 0.44 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 08H+ 0.85 | 0.44 | | 0 | <20 | P 2 |
| 101 | 130 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 08H+ 1.13 | 0.54 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1+ 1.91 | 0.35 | | 0 | <20 | P 2 |
| 109 | 130 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 08H+ 0.87 | 0.80 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1+ 1.77 | 0.68 | | 0 | <20 | P 2 |
| 111 | 130 | | H | 08H-VS3 | 08H-VS3 | | 00080 | 580TP | BW1- 2.03 | 0.48 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1- 2.00 | 0.45 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1+ 1.83 | 0.52 | | 0 | <20 | P 2 |
| 113 | 130 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 08H+ 0.14 | 0.30 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1- 1.86 | 0.84 | | 0 | <20 | P 2 |
| 115 | 130 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1+ 1.59 | 0.63 | | 0 | <20 | P 2 |
| 117 | 130 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | 09H+ 1.17 | 0.38 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1- 1.89 | 0.57 | | 0 | <20 | P 2 |
| 119 | 130 | | H | 08H-VS3 | 08H-VS3 | | 00276 | 580TP | 09H- 0.92 | 1.32 | | 0 | 31 | P 2 |
| 127 | 130 | | H | 08H-VS3 | 08H-VS3 | | 00103 | 580TP | 09H- 0.88 | 0.26 | | 0 | <20 | P 2 |
| 141 | 130 | | H | 08H-VS3 | 08H-VS3 | | 00103 | 580TP | 09H+ 0.86 | 0.26 | | 0 | <20 | P 2 |
| 106 | 131 | | H | 08H-VS3 | 08H-VS3 | | 00086 | 580TP | BW1+ 1.93 | 0.38 | | 0 | <20 | P 2 |
| 108 | 131 | | H | 08H-VS3 | 08H-VS3 | | 00080 | 580TP | 08H+ 0.00 | 0.30 | | 0 | <20 | P 2 |
| 118 | 131 | | H | 08H-VS3 | 08H-VS3 | | 00276 | 580TP | BW1- 2.04 | 0.59 | | 0 | <20 | P 2 |
| 120 | 131 | | H | 08H-VS3 | 08H-VS3 | | 00276 | 580TP | 09H+ 0.78 | 0.46 | | 0 | <20 | P 2 |
| 140 | 131 | | H | 08H-VS3 | 08H-VS3 | | 00106 | 580TP | 09H+ 0.85 | 0.62 | | 0 | <20 | P 2 |
| 142 | 131 | | H | 08H-VS3 | 08H-VS3 | | 00106 | 580TP | 09H+ 0.98 | 0.53 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00106 | 580TP | BW1+ 1.85 | 1.16 | | 0 | 24 | P 2 |
| 144 | 131 | | H | 08H-VS3 | 08H-BW1 | | 00276 | 580TP | 08H+ 0.65 | 0.32 | | 0 | <20 | P 2 |
| 103 | 132 | | H | 08H-VS3 | 08H-VS3 | | 00080 | 580TP | BW1+ 0.63 | 0.23 | | 0 | <20 | P 2 |
| 111 | 132 | | H | 08H-VS3 | 08H-VS3 | | 00080 | 580TP | BW1- 1.91 | 0.57 | | 0 | <20 | P 2 |
| 113 | 132 | | H | 08H-VS3 | 08H-VS3 | | 00080 | 580TP | BW1- 1.97 | 0.52 | | 0 | <20 | P 2 |
| 110 | 133 | | H | 08H-VS3 | 08H-VS3 | | 00073 | 580TP | BW1- 1.87 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00073 | 580TP | BW1+ 1.78 | 0.56 | | 0 | <20 | P 2 |
| 112 | 133 | | H | 08H-VS3 | 08H-VS3 | | 00073 | 580TP | 08H+ 0.87 | 0.43 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00073 | 580TP | BW1- 1.91 | 0.40 | | 0 | <20 | P 2 |
| 114 | 133 | | H | 08H-VS3 | 08H-VS3 | | 00073 | 580TP | BW1+ 1.82 | 0.34 | | 0 | <20 | P 2 |
| 118 | 133 | | H | 08H-VS3 | 08H-VS3 | | 00117 | 580TP | 09H+ 0.94 | 0.49 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00117 | 580TP | BW1- 1.60 | 0.70 | | 0 | <20 | P 2 |
| 120 | 133 | | H | 08H-VS3 | 08H-VS3 | | 00117 | 580TP | 09H+ 0.05 | 0.32 | | 0 | <20 | P 2 |
| 122 | 133 | | H | 08H-VS2 | 08H-VS5 | | 00117 | 580TP | VS1+ 0.82 | 0.32 | | 0 | <20 | P 2 |
| 132 | 133 | | H | 08H-VS3 | 08H-VS3 | | 00113 | 580TP | 08H+ 25.87 | 0.45 | | 0.2 | SAI | P 2 |

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 33 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 105 | 134 | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | 08H+ 0.87 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | BW1- 1.93 | 0.65 | | 0 | <20 | P 2 |
| 109 | 134 | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | BW1- 2.02 | 0.67 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | BW1+ 1.92 | 0.81 | | 0 | <20 | P 2 |
| 111 | 134 | | H | 08H-VS3 | 08H-VS3 | | 00073 | 580TP | BW1- 1.91 | 0.52 | | 0 | <20 | P 2 |
| 113 | 134 | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | BW1- 1.84 | 0.63 | | 0 | <20 | P 2 |
| 117 | 134 | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | BW1- 1.95 | 0.81 | | 0 | <20 | P 2 |
| 125 | 134 | | H | 08H-VS2 | 08H-VS2 | | 00118 | 580TP | 09H+ 0.90 | 1.45 | | 0 | 27 | P 2 |
| 139 | 134 | | H | 08H-VS3 | 08H-VS3 | | 00117 | 580TP | VS3- 0.98 | 0.31 | | 0 | <20 | P 2 |
| 141 | 134 | | H | 08H-VS3 | 08H-VS3 | | 00118 | 580TP | 09H+ 0.67 | 0.26 | | 0 | <20 | P 2 |
| 145 | 134 | | C | TEC-TEH | TEC-09C | | 00039 | 610HS | 09C+ 28.88 | | | | OBS | |
| 106 | 135 | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | VS2- 0.68 | 0.56 | | 0 | <20 | P 2 |
| 108 | 135 | | H | 08H-VS3 | 08H-VS3 | | 00073 | 580TP | BW1+ 1.86 | 0.47 | | 0 | <20 | P 2 |
| 110 | 135 | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | BW1+ 1.76 | 0.52 | | 0 | <20 | P 2 |
| 112 | 135 | | H | 08H-VS3 | 08H-VS3 | | 00073 | 580TP | BW1- 1.88 | 0.20 | | 0 | <20 | P 2 |
| 114 | 135 | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | 08H+ 0.88 | 1.00 | | 0 | <20 | P 2 |
| 122 | 135 | | H | 08H-VS2 | 08H-VS3 | | 00117 | 580TP | 09H- 0.89 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS3 | | 00117 | 580TP | VS2+ 0.00 | 0.39 | | 0 | <20 | P 2 |
| 124 | 135 | | H | 08H-VS2 | 08H-VS2 | | 00118 | 580TP | VS2- 0.33 | 0.38 | | 0 | <20 | P 2 |
| 128 | 135 | | H | 08H-VS3 | 08H-VS3 | | 00118 | 580TP | BW1- 1.75 | 0.37 | | 0 | <20 | P 2 |
| 137 | 136 | | C | TEC-TEH | TEC-TEH | | 00030 | 610HS | BW1+ 2.12 | 0.24 | | 0 | <20 | P 2 |
| 135 | 136 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | 08H+ 0.86 | 0.75 | | 0 | 23 | P 2 |
| 99 | 136 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | 08H+ 0.99 | 0.45 | | 0 | <20 | P 2 |
| 105 | 136 | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | BW1+ 1.70 | 0.38 | | 0 | <20 | P 2 |
| 113 | 136 | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | BW1- 1.89 | 0.64 | | 0 | <20 | P 2 |
| 117 | 136 | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | 09H- 1.08 | 1.46 | | 0 | 25 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00071 | 580TP | BW1- 1.93 | 1.70 | | 0 | 28 | P 2 |
| 119 | 136 | | H | 08H-VS3 | 08H-VS3 | | 00117 | 580TP | 09H+ 0.92 | 0.45 | | 0 | <20 | P 2 |
| 121 | 136 | | H | 08H-VS3 | 08H-VS3 | | 00118 | 580TP | 09H- 0.95 | 0.66 | | 0 | <20 | P 2 |
| 125 | 136 | | H | 08H-VS2 | 08H-VS3 | | 00281 | 580BC | VS1- 0.88 | 1.21 | | 0 | 22 | P 2 |
| 129 | 136 | | H | 08H-VS3 | 09H-VS3 | | 00118 | 580TP | BW1+ 2.02 | 0.75 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 09H-VS3 | | 00118 | 580TP | VS3+ 1.00 | 0.45 | | 0 | <20 | P 2 |
| 133 | 136 | | H | 08H-VS3 | 08H-VS3 | | 00118 | 580TP | BW1+ 1.76 | 0.49 | | 0 | <20 | P 2 |
| 137 | 136 | | H | 08H-VS3 | 08H-VS3 | | 00118 | 580TP | 09H+ 0.88 | 1.31 | | 0 | 22 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00118 | 580TP | BW1- 2.12 | 0.83 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00118 | 580TP | VS1+ 1.00 | 0.53 | | 0 | <20 | P 2 |
| 141 | 136 | | H | 08H-VS3 | 08H-VS3 | 4 | 00321 | 580BC | 09H+ 0.60 | 0.63 | | 0 | <20 | P 2 |
| 94 | 137 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.04 | 0.21 | | 0 | <20 | P 2 |
| 96 | 137 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | BW1- 1.95 | 0.35 | | 0 | <20 | P 2 |
| 102 | 137 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | BW1+ 1.98 | 0.70 | | 0 | 24 | P 2 |
| 104 | 137 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | BW1+ 1.87 | 0.72 | | 0 | 23 | P 2 |
| 106 | 137 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | BW1- 2.04 | 0.40 | | 0 | <20 | P 2 |
| 108 | 137 | | H | 08H-VS3 | 08H-VS3 | | 00285 | 580TP | BW1+ 1.46 | 0.64 | | 0 | <20 | P 2 |
| 110 | 137 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | BW1+ 1.78 | 1.27 | | 0 | 34 | P 2 |
| 118 | 137 | | H | 08H-VS3 | 08H-VS3 | | 00124 | 580TP | 09H- 1.07 | 0.39 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 34 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | VOLTS | CURRENT | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|-------|---------|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | | MIL | DEG | % | CH |
| 118 | 137 | | H | 08H-VS3 | 08H-VS3 | | 00124 | 580TP | 09H+ 1.01 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00124 | 580TP | BW1- 1.90 | 0.53 | | 0 | <20 | P 2 |
| 120 | 137 | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | 09H- 1.12 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | BW1+ 2.19 | 0.46 | | 0 | <20 | P 2 |
| 134 | 137 | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | 08H+ 29.69 | 0.20 | 0.5 | SAI | P 2 | |
| | | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | VS1- 0.04 | 0.37 | | 0 | <20 | P 2 |
| 93 | 138 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.96 | 0.36 | | 0 | <20 | P 2 |
| 99 | 138 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | BW1+ 1.89 | 0.21 | | 0 | <20 | P 2 |
| 103 | 138 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | BW1- 1.71 | 0.35 | | 0 | <20 | P 2 |
| 113 | 138 | | H | 08H-VS3 | BW1-VS2 | | 00166 | 580TP | BW1- 1.75 | 0.59 | | 0 | <20 | P 2 |
| 115 | 138 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | BW1- 2.00 | 0.47 | | 0 | <20 | P 2 |
| 117 | 138 | | H | 08H-VS3 | 08H-VS3 | | 00285 | 580TP | 09H- 1.00 | 0.75 | | 0 | 20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00285 | 580TP | BW1- 1.82 | 0.29 | | 0 | <20 | P 2 |
| 121 | 138 | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | 09H+ 1.11 | 0.43 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | BW1+ 1.80 | 0.38 | | 0 | <20 | P 2 |
| 125 | 138 | | H | 08H-VS2 | 08H-VS2 | | 00125 | 580TP | 09H+ 0.89 | 0.38 | | 0 | <20 | P 2 |
| 129 | 138 | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | 08H- 1.01 | 0.41 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | VS3+ 0.68 | 0.23 | | 0 | <20 | P 2 |
| 131 | 138 | | H | 08H-VS3 | 08H-VS3 | | 00124 | 580TP | BW1+ 1.67 | 0.28 | | 0 | <20 | P 2 |
| 135 | 138 | | H | 08H-VS3 | 08H-VS3 | | 00124 | 580TP | 09H+ 0.71 | 0.76 | | 0 | <20 | P 2 |
| 99 | 138 | | H | 09H-VS3 | 08H-VS3 | 4 | 00323 | 580TP | 09H+ 0.80 | 0.48 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00011 | 610HS | 09H+ 0.89 | 0.25 | | 0 | <20 | P 1 |
| 94 | 139 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.00 | 0.41 | | 0 | <20 | P 2 |
| 102 | 139 | | H | 08H-VS3 | 08H-BW1 | | 00064 | 580TP | BW1+ 1.59 | 0.41 | | 0 | <20 | P 2 |
| | | | H | BW1-VS2 | BW1-VS2 | | 00166 | 580TP | BW1+ 1.76 | 1.11 | | 0 | 22 | P 2 |
| | | | H | BW1-VS2 | BW1-VS2 | | 00166 | 580TP | VS2- 0.49 | 0.69 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | BW1-VS2 | | 00166 | 580TP | VS2+ 0.81 | 0.48 | | 0 | <20 | P 2 |
| 104 | 139 | | H | 08H-VS3 | 08H-VS3 | | 00068 | 580TP | BW1+ 1.59 | 0.30 | | 0 | <20 | P 2 |
| 114 | 139 | | H | 08H-VS3 | 08H-VS2 | | 00285 | 580TP | BW1+ 1.76 | 0.40 | | 0 | <20 | P 2 |
| 118 | 139 | | H | 08H-VS3 | 08H-VS3 | | 00130 | 580TP | 09H+ 0.41 | 0.33 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00130 | 580TP | BW1- 1.96 | 0.35 | | 0 | <20 | P 2 |
| 128 | 139 | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | 08H+ 1.28 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | 09H+ 0.26 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | VS3- 0.92 | 0.30 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | VS3- 0.09 | 0.37 | | 0 | <20 | P 2 |
| 130 | 139 | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | 09H- 0.02 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | VS1+ 0.95 | 0.31 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | VS1+ 0.96 | 0.78 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | VS3+ 1.03 | 0.49 | | 0 | <20 | P 2 |
| 134 | 139 | | H | 08H-VS3 | 08H-VS3 | | 00124 | 580TP | 09H- 0.98 | 0.63 | | 0 | <20 | P 2 |
| 136 | 139 | | H | 08H-VS3 | 08H-VS3 | | 00125 | 580TP | 09H+ 0.84 | 0.24 | | 0 | <20 | P 2 |
| 140 | 139 | | H | 08H-VS3 | 08H-VS3 | 4 | 00321 | 580BC | VS1+ 0.07 | 0.52 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00012 | 610HS | 04C- 0.79 | 0.56 | | 0 | <20 | P 2 |
| 93 | 140 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.80 | 0.31 | | 0 | <20 | P 2 |
| 95 | 140 | | H | 08H-VS3 | 08H-VS3 | | 00063 | 580TP | BW1+ 1.52 | 0.39 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



1. For 1992-93
 2. For 1993-94
 3. For 1994-95
 4. For 1995-96
 5. For 1996-97
 6. For 1997-98
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 8. For 1999-00
 9. For 2000-01
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12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 35 OF 42
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TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 103 | 140 | | H | 08H-VS3 | BW1-VS2 | | 00166 | 580TP | BW1+ 1.65 | 0.83 | | 0 | <20 | P 2 |
| 105 | 140 | | H | 08H-VS3 | 08H-BW1 | | 00064 | 580TP | 08H- 1.14 | 0.45 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS2 | | 00285 | 580TP | 08H- 0.91 | 0.30 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS2 | | 00285 | 580TP | 08H+ 0.87 | 0.21 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-BW1 | | 00064 | 580TP | 08H+ 1.16 | 0.36 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS2 | | 00285 | 580TP | BW1- 1.80 | 0.31 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS2 | | 00285 | 580TP | VS2- 0.99 | 0.22 | | 0 | <20 | P 2 |
| 107 | 140 | | H | 08H-VS3 | 08H-BW1 | | 00064 | 580TP | 08H+ 0.87 | 0.54 | | 0 | <20 | P 2 |
| 117 | 140 | | H | 09H-09H | 09H-09H | | 00005 | 600CP | 09H- 0.97 | 1.63 | | 0 | 29 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00166 | 580TP | 09H- 0.86 | 1.93 | | 0 | 31 | P 2 |
| 127 | 140 | | H | 08H-VS3 | 08H-VS3 | | 00132 | 580TP | 08H- 1.00 | 0.65 | | 0 | <20 | P 2 |
| 135 | 140 | | H | 08H-VS3 | 08H-VS3 | | 00132 | 580TP | 09H+ 0.75 | 1.30 | | 0 | 29 | P 2 |
| 137 | 140 | | H | 08H-VS3 | 08H-VS3 | 4 | 00323 | 580TP | BW1+ 1.75 | 0.19 | | 0 | <20 | P 2 |
| 139 | 140 | | C | TEC-TEH | TEC-TEH | | 00012 | 610HS | 05C+ 0.86 | 0.74 | | 0 | 23 | P 2 |
| 94 | 141 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.00 | 0.19 | | 0 | <20 | P 2 |
| 96 | 141 | | H | 08H-VS3 | 08H-VS3 | | 00165 | 580TP | BW1+ 2.04 | 0.65 | | 0 | <20 | P 2 |
| 102 | 141 | | H | 08H-VS3 | 08H-VS3 | | 00058 | 580CP | BW1+ 0.98 | 0.25 | | 0 | <20 | P 2 |
| 118 | 141 | | H | 08H-VS3 | 08H-VS3 | | 00132 | 580TP | 09H+ 1.67 | 0.93 | | 0 | <20 | P 2 |
| 122 | 141 | | H | 08H-VS2 | 08H-VS3 | | 00132 | 580TP | VS1+ 0.55 | 0.35 | | 0 | <20 | P 2 |
| 132 | 141 | | H | 08H-VS3 | 08H-VS3 | | 00130 | 580TP | 09H- 0.83 | 0.41 | | 0 | <20 | P 2 |
| 13 | 142 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.11 | 0.26 | | 0 | <20 | P 2 |
| 95 | 142 | | H | 08H-VS3 | 08H-VS3 | | 00059 | 580TP | BW1+ 1.85 | 0.38 | | 0 | <20 | P 2 |
| 103 | 142 | | H | 08H-VS3 | 08H-VS3 | | 00059 | 580TP | BW1+ 1.58 | 0.47 | | 0 | <20 | P 2 |
| 109 | 142 | | H | 08H-VS3 | 08H-VS3 | | 00057 | 580TP | BW1+ 1.69 | 0.65 | | 0 | <20 | P 2 |
| 117 | 142 | | H | 08H-VS3 | 08H-VS3 | | 00057 | 580TP | BW1- 1.82 | 0.33 | | 0 | <20 | P 2 |
| 133 | 142 | | H | 08H-VS3 | 07H-VS3 | | 00138 | 580BC | VS1+ 0.55 | 1.58 | | 0 | 27 | P 2 |
| 137 | 142 | | H | 08H-VS3 | 08H-VS3 | 4 | 00321 | 580BC | BW1+ 1.74 | 0.49 | | 0 | <20 | P 2 |
| 88 | 143 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.12 | 0.47 | | 0 | <20 | P 2 |
| 92 | 143 | | C | TEC-TEH | TEC-TSH | | 00029 | 610HS | BW1+ 2.12 | 0.11 | | 0 | <20 | P 2 |
| 94 | 143 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.98 | 0.30 | | 0 | <20 | P 2 |
| 98 | 143 | | H | 08H-VS3 | 08H-VS3 | | 00057 | 580TP | BW1+ 1.63 | 0.58 | | 0 | <20 | P 2 |
| 104 | 143 | | H | 08H-VS3 | 08H-VS3 | | 00057 | 580TP | BW1- 1.75 | 0.35 | | 0 | <20 | P 2 |
| 108 | 143 | | H | 08H-VS3 | 08H-VS3 | | 00057 | 580TP | VS3+ 0.45 | 0.41 | | 0 | <20 | P 2 |
| 114 | 143 | | H | 08H-VS3 | 08H-VS3 | | 00057 | 580TP | BW1- 1.84 | 0.44 | | 0 | <20 | P 2 |
| 118 | 143 | | H | 08H-VS3 | 09H-VS3 | | 00137 | 580BC | 09H+ 1.13 | 0.57 | | 0 | <20 | P 2 |
| 128 | 143 | | H | 08H-VS3 | 07H-VS3 | | 00138 | 580BC | 09H+ 0.44 | 0.89 | | 0 | <20 | P 2 |
| 132 | 143 | | H | 08H-VS3 | 08H-VS3 | | 00138 | 580BC | BW1+ 1.85 | 0.50 | | 0 | <20 | P 2 |
| 93 | 144 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.76 | 0.38 | | 0 | <20 | P 2 |
| 95 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00057 | 580TP | BW1+ 1.65 | 0.29 | | 0 | <20 | P 2 |
| 99 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00057 | 580TP | BW1+ 1.60 | 0.38 | | 0 | <20 | P 2 |
| 101 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00057 | 580TP | BW1+ 1.59 | 0.48 | | 0 | <20 | P 2 |
| 103 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00057 | 580TP | BW1+ 1.80 | 1.46 | | 0 | 32 | P 2 |
| 111 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1+ 1.77 | 0.79 | | 0 | <20 | P 2 |
| 115 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1- 1.45 | 0.37 | | 0 | <20 | P 2 |
| 117 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00166 | 580TP | BW1- 1.96 | 0.69 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



11/18/11



11/18/11



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STEAM GENERATOR : 32
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 36 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 119 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00137 | 580BC | 09H+ 0.85 | 0.16 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00137 | 580BC | BW1- 1.96 | 0.37 | | 0 | <20 | P 2 |
| 125 | 144 | | H | 08H-VS2 | 08H-VS2 | | 00137 | 580BC | VS1- 0.80 | 0.51 | | 0 | <20 | P 2 |
| 127 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00161 | 580TP | VS1- 1.72 | 0.42 | | 0 | <20 | P 2 |
| 129 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00163 | 580TP | 09H+ 0.80 | 0.57 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00163 | 580TP | VS1- 0.06 | 0.58 | | 0 | <20 | P 2 |
| 131 | 144 | | H | 08H-VS3 | 08H-VS3 | | 00161 | 580TP | 09H+ 1.26 | 0.40 | | 0 | <20 | P 2 |
| 94 | 145 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.00 | 0.27 | | 0 | <20 | P 2 |
| 96 | 145 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1+ 1.85 | 0.38 | | 0 | <20 | P 2 |
| 98 | 145 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1+ 1.83 | 1.06 | | 0 | <20 | P 2 |
| 100 | 145 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1- 1.75 | 0.71 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1+ 1.79 | 1.01 | | 0 | <20 | P 2 |
| 102 | 145 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | 08H+ 0.79 | 0.30 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1+ 1.79 | 0.36 | | 0 | <20 | P 2 |
| 106 | 145 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1- 1.79 | 0.69 | | 0 | <20 | P 2 |
| 110 | 145 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1- 1.84 | 0.40 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1+ 1.91 | 0.24 | | 0 | <20 | P 2 |
| 112 | 145 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1- 1.52 | 0.25 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | VS2- 0.95 | 0.88 | | 0 | <20 | P 2 |
| 114 | 145 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1+ 1.58 | 0.39 | | 0 | <20 | P 2 |
| 116 | 145 | | H | BW1-VS3 | BW1-VS3 | | 00159 | 580BC | VS1+ 1.04 | 0.69 | | 0 | <20 | P 2 |
| 118 | 145 | | H | 08H-VS2 | 08H-VS2 | | 00159 | 580BC | 09H- 1.07 | 0.48 | | 0 | <20 | P 2 |
| 126 | 145 | | H | 08H-VS3 | 08H-VS3 | | 00163 | 580TP | 09H+ 0.81 | 0.73 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00163 | 580TP | BW1- 1.89 | 0.90 | | 0 | <20 | P 2 |
| 128 | 145 | | H | 08H-VS3 | 09H-VS3 | | 00163 | 580TP | 09H+ 0.76 | 0.43 | | 0 | <20 | P 2 |
| 130 | 145 | | H | 08H-VS3 | 08H-VS3 | | 00163 | 580TP | 09H+ 0.72 | 0.87 | | 0 | 20 | P 2 |
| 132 | 145 | | H | 08H-VS3 | 08H-VS3 | 4 | 00323 | 580TP | 09H+ 0.66 | 0.24 | | 0 | <20 | P 2 |
| 93 | 146 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.00 | 0.37 | | 0 | <20 | P 2 |
| 95 | 146 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1+ 2.00 | 0.28 | | 0 | <20 | P 2 |
| 101 | 146 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1- 1.78 | 0.84 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1+ 1.77 | 1.04 | | 0 | <20 | P 2 |
| 103 | 146 | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1- 1.73 | 0.24 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00053 | 580TP | BW1+ 1.37 | 0.26 | | 0 | <20 | P 2 |
| 109 | 146 | | H | 08H-VS3 | 08H-VS3 | | 00281 | 580BC | BW1+ 1.77 | 0.65 | | 0 | <20 | P 2 |
| 113 | 146 | | H | 08H-VS3 | 08H-VS3 | | 00052 | 580TP | BW1+ 1.70 | 0.23 | | 0 | <20 | P 2 |
| 117 | 146 | | H | 08H-VS3 | 08H-VS3 | | 00052 | 580TP | 08H- 1.10 | 0.40 | | 0 | SVI | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00060 | 610HS | 08H- 0.88 | 0.33 | | 0 | <20 | P 2 |
| 119 | 146 | | H | 08H-VS3 | 08H-VS2 | | 00150 | 580BC | BW1+ 1.77 | 0.38 | | 0 | <20 | P 2 |
| 121 | 146 | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | VS2+ 0.58 | 0.28 | | 0 | <20 | P 2 |
| 123 | 146 | | H | 08H-VS2 | 08H-VS2 | | 00150 | 580BC | 09H- 0.74 | 0.26 | | 0 | <20 | P 2 |
| 125 | 146 | | H | TEH-VS1 | TEH-VS2 | 2 | 00362 | 610HS | 09H+ 0.89 | 1.29 | | 0 | 33 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00276 | 580TP | 09H+ 0.91 | 1.00 | | 0 | 26 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00276 | 580TP | 09H+ 9.68 | 0.36 | | 0 | SVI | P 2 |
| 127 | 146 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | 09H+ 7.94 | 0.72 | | 0 | SVI | P 2 |
| 129 | 146 | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | 08H- 1.10 | 0.57 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.

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SECTION VARIABLES: Percent

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TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 129 | 146 | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | 08H+ 0.89 | 0.52 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | 09H+ 0.69 | 0.45 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | BW1+ 1.82 | 2.01 | | 0 | 31 | P 2 |
| 131 | 146 | | H | 08H-VS3 | 08H-BW1 | 4 | 00323 | 580TP | 09H+ 0.51 | 0.17 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-BW1 | 4 | 00323 | 580TP | BW1+ 1.47 | 0.41 | | 0 | <20 | P 2 |
| 92 | 147 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.00 | 0.21 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | 03C- 0.88 | 0.09 | | 0 | <20 | P 2 |
| 94 | 147 | | H | 07H-VS3 | 08H-VS3 | | 00050 | 580TP | BW1+ 1.99 | 0.73 | | 0 | 22 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.00 | 0.35 | | 0 | <20 | P 2 |
| 96 | 147 | | H | 08H-VS3 | 08H-VS5 | | 00048 | 580TP | BW1+ 1.76 | 0.89 | | 0 | <20 | P 2 |
| 98 | 147 | | H | 08H-VS3 | 08H-BW1 | | 00050 | 580TP | BW1- 2.00 | 0.60 | | 0 | 20 | P 2 |
| | | | H | BW1-VS2 | BW1-VS2 | | 00165 | 580TP | BW1- 1.96 | 0.68 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-BW1 | | 00050 | 580TP | BW1+ 1.76 | 0.55 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | BW1-VS2 | | 00165 | 580TP | BW1+ 1.95 | 0.52 | | 0 | <20 | P 2 |
| 100 | 147 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.91 | 1.70 | | 0 | 27 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1+ 1.86 | 1.01 | | 0 | <20 | P 2 |
| 104 | 147 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.76 | 0.79 | | 0 | <20 | P 2 |
| 112 | 147 | | H | 08H-VS3 | 08H-VS3 | | 00050 | 580TP | BW1- 1.91 | 0.25 | | 0 | <20 | P 2 |
| 116 | 147 | | H | 08H-VS3 | BW1-VS3 | | 00166 | 580TP | VS2- 0.69 | 0.63 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | BW1-VS3 | | 00166 | 580TP | VS2+ 0.04 | 0.62 | | 0 | <20 | P 2 |
| 8 | 147 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | BW1- 2.02 | 0.47 | | 0 | <20 | P 2 |
| 22 | 147 | | H | 08H-VS2 | 08H-VS2 | | 00150 | 580BC | 09H+ 0.74 | 0.20 | | 0 | <20 | P 2 |
| 124 | 147 | | H | 08H-VS2 | 08H-VS2 | | 00151 | 580BC | 08H+ 0.47 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00151 | 580BC | 09H+ 0.89 | 1.35 | | 0 | 24 | P 2 |
| 126 | 147 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | 09H- 0.91 | 0.46 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | 09H+ 0.85 | 1.85 | | 0 | 36 | P 2 |
| 130 | 147 | | H | 08H-VS3 | 08H-VS3 | 4 | 00323 | 580TP | 09H+ 0.61 | 0.47 | | 0 | <20 | P 2 |
| 93 | 148 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.97 | 0.61 | | 0 | <20 | P 2 |
| 95 | 148 | | H | 08H-VS3 | 08H-VS3 | | 00050 | 580TP | BW1+ 1.95 | 0.61 | | 0 | 20 | P 2 |
| 97 | 148 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | 08H- 0.02 | 0.85 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.77 | 0.71 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1+ 1.83 | 0.93 | | 0 | <20 | P 2 |
| 99 | 148 | | H | 08H-VS3 | 08H-VS3 | | 00050 | 580TP | 08H+ 0.71 | 0.46 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00050 | 580TP | BW1- 1.90 | 0.38 | | 0 | <20 | P 2 |
| 101 | 148 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.84 | 0.97 | | 0 | <20 | P 2 |
| 105 | 148 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.83 | 0.62 | | 0 | <20 | P 2 |
| 107 | 148 | | H | 08H-VS3 | 08H-VS3 | | 00050 | 580TP | BW1+ 1.76 | 0.53 | | 0 | <20 | P 2 |
| 113 | 148 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 2.08 | 0.54 | | 0 | <20 | P 2 |
| 117 | 148 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 2.09 | 0.45 | | 0 | <20 | P 2 |
| 92 | 149 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.08 | 0.33 | | 0 | <20 | P 2 |
| 94 | 149 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1- 2.00 | 0.21 | | 0 | <20 | P 2 |
| | | | H | 08H-BW1 | 08H-BW1 | | 00333 | 580TP | BW1- 1.90 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-BW1 | 08H-BW1 | | 00333 | 580TP | BW1+ 1.60 | 1.01 | | 0 | 25 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.91 | 0.66 | | 0 | 20 | P 2 |
| 96 | 149 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1+ 2.04 | 0.51 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



1. Name
2. Address
3. City
4. State
5. Zip
6. Phone
7. E-mail
8. Fax
9. Telex
10. Cable



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SECTION VARIABLES: Percent

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DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 98 | 149 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.87 | 0.52 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1+ 1.80 | 0.59 | | 0 | <20 | P 2 |
| 100 | 149 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | 08H- 0.89 | 0.48 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.93 | 1.00 | | 0 | <20 | P 2 |
| 102 | 149 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | 08H+ 0.94 | 0.48 | | 0 | <20 | P 2 |
| 104 | 149 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.91 | 0.59 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1+ 1.93 | 0.96 | | 0 | <20 | P 2 |
| 110 | 149 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1+ 1.78 | 1.07 | | 0 | <20 | P 2 |
| 120 | 149 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | BW1- 1.82 | 0.36 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | BW1+ 1.80 | 0.28 | | 0 | <20 | P 2 |
| 122 | 149 | | H | 08H-VS2 | 08H-VS2 | | 00150 | 580BC | 09H+ 0.69 | 1.00 | | 0 | 27 | P 2 |
| | | | H | 08H-VS2 | 08H-BW1 | | 00278 | 580BC | 09H+ 0.69 | 1.52 | | 0 | 26 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00150 | 580BC | VS1+ 1.01 | 0.39 | | 0 | <20 | P 2 |
| 124 | 149 | | H | 08H-VS2 | 08H-VS2 | | 00150 | 580BC | 09H- 0.97 | 0.21 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00150 | 580BC | 09H+ 0.89 | 0.31 | | 0 | <20 | P 2 |
| 126 | 149 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | 09H- 0.10 | 0.20 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | 09H+ 0.82 | 0.21 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | BW1+ 1.87 | 0.55 | | 0 | <20 | P 2 |
| 93 | 150 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | 08H+ 0.88 | 0.47 | | 0 | <20 | P 2 |
| 95 | 150 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.65 | 0.32 | | 0 | <20 | P 2 |
| 97 | 150 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 2.07 | 0.45 | | 0 | <20 | P 2 |
| 103 | 150 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1+ 2.04 | 0.39 | | 0 | <20 | P 2 |
| 105 | 150 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.77 | 0.61 | | 0 | <20 | P 2 |
| 117 | 150 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.76 | 0.47 | | 0 | <20 | P 2 |
| 121 | 150 | | H | 08H-VS3 | 08H-BW1 | | 00276 | 580TP | 09H- 0.92 | 0.39 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | 09H+ 0.00 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00182 | 580TP | 09H+ 0.85 | 0.74 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | BW1+ 1.78 | 0.38 | | 0 | <20 | P 2 |
| 123 | 150 | | H | 08H-VS2 | BW1-VS2 | | 00151 | 580BC | 09H- 1.00 | 0.78 | | 0 | <20 | P 2 |
| 125 | 150 | | H | 08H-VS2 | 08H-VS2 | | 00151 | 580BC | 08H+ 0.84 | 0.40 | | 0 | <20 | P 2 |
| | | | H | 08H-VS2 | 08H-VS2 | | 00151 | 580BC | VS2- 0.81 | 0.51 | | 0 | <20 | P 2 |
| 96 | 151 | | H | 08H-VS3 | 08H-VS3 | | 00046 | 580TP | BW1+ 1.75 | 0.38 | | 0 | <20 | P 2 |
| 98 | 151 | | H | 08H-VS3 | 08H-VS3 | | 00046 | 580TP | BW1- 1.88 | 0.45 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00046 | 580TP | BW1+ 1.80 | 0.49 | | 0 | <20 | P 2 |
| 102 | 151 | | H | 08H-VS3 | 08H-VS3 | | 00046 | 580TP | 08H+ 0.94 | 0.32 | | 0 | <20 | P 2 |
| 110 | 151 | | H | 08H-VS3 | 08H-VS3 | | 00046 | 580TP | BW1- 2.00 | 0.45 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00046 | 580TP | BW1+ 1.80 | 0.44 | | 0 | <20 | P 2 |
| 114 | 151 | | H | 08H-VS3 | 08H-VS3 | | 00048 | 580TP | BW1- 1.79 | 0.51 | | 0 | <20 | P 2 |
| 116 | 151 | | H | 08H-VS3 | 08H-VS3 | | 00046 | 580TP | 08H- 0.90 | 0.52 | | 0 | <20 | P 2 |
| 118 | 151 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | 09H+ 0.82 | 0.24 | | 0 | <20 | P 2 |
| 120 | 151 | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | 09H+ 0.73 | 0.92 | | 0 | <20 | P 2 |
| 124 | 151 | | H | 08H-VS2 | 08H-VS3 | | 00151 | 580BC | BW1+ 1.79 | 0.98 | | 0 | <20 | P 2 |
| 89 | 152 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.00 | 0.27 | | 0 | <20 | P 2 |
| 93 | 152 | | H | BW1-BW1 | BW1-BW1 | | 00333 | 580TP | BW1+ 2.00 | 0.68 | | 0 | <20 | P 2 |
| 95 | 152 | | H | 08H-VS3 | 08H-VS3 | | 00044 | 580CP | BW1+ 1.82 | 0.53 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.



11/11/11



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 39 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 97 | 152 | | H | 08H-VS3 | 08H-VS3 | | 00044 | 580CP | BW1- 1.75 | 0.53 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00044 | 580CP | BW1+ 1.61 | 0.69 | | 0 | <20 | P 2 |
| 99 | 152 | | H | 08H-VS3 | 08H-VS3 | | 00046 | 580TP | BW1- 1.75 | 0.74 | | 0 | 20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00046 | 580TP | BW1+ 1.75 | 1.36 | | 0 | 31 | P 2 |
| 105 | 152 | | H | 08H-VS3 | 08H-VS3 | | 00042 | 580TP | BW1+ 1.50 | 0.35 | | 0 | <20 | P 2 |
| 107 | 152 | | H | 08H-VS3 | 08H-VS3 | | 00042 | 580TP | BW1+ 1.83 | 0.41 | | 0 | <20 | P 2 |
| 111 | 152 | | H | 08H-VS3 | 08H-VS3 | | 00042 | 580TP | BW1+ 1.78 | 0.82 | | 0 | 21 | P 2 |
| 119 | 152 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | 09H- 0.93 | 0.45 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | 09H+ 0.83 | 0.49 | | 0 | <20 | P 2 |
| 121 | 152 | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | 09H- 1.27 | 0.47 | | 0 | <20 | P 2 |
| 92 | 153 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.07 | 0.19 | | 0 | <20 | P 2 |
| 94 | 153 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | 08H+ 0.77 | 0.36 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.90 | 0.36 | | 0 | <20 | P 2 |
| 96 | 153 | | H | 08H-VS3 | 06H-VS3 | | 00044 | 580CP | 08H- 0.14 | 0.56 | | 0 | <20 | P 2 |
| 98 | 153 | | H | 08H-VS3 | 08H-VS3 | | 00044 | 580CP | BW1- 1.75 | 0.75 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00044 | 580CP | BW1+ 1.75 | 0.79 | | 0 | <20 | P 2 |
| 100 | 153 | | H | 08H-VS3 | 08H-VS3 | | 00044 | 580CP | BW1+ 1.68 | 0.44 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00060 | 610HS | BW1+ 1.90 | 0.17 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00044 | 580CP | VS3+ 0.00 | 0.61 | | 0 | SVI | P 2 |
| 102 | 153 | | H | 08H-VS3 | 08H-VS3 | | 00038 | 580CP | BW1+ 2.20 | 0.41 | | 0 | <20 | P 2 |
| 4 | 153 | | H | 08H-VS3 | 08H-VS3 | | 00038 | 580CP | BW1+ 1.90 | 0.49 | | 0 | <20 | P 2 |
| 8 | 153 | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | 09H+ 1.36 | 2.30 | | 0 | 33 | P 2 |
| 120 | 153 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | 09H- 0.89 | 0.67 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | BW1+ 1.77 | 0.32 | | 0 | <20 | P 2 |
| 122 | 153 | | H | 08H-VS2 | 08H-VS2 | | 00151 | 580BC | VS1- 1.04 | 0.68 | | 0 | <20 | P 2 |
| 85 | 154 | | C | TEC-TEH | TEC-TEH | | 00030 | 610HS | BW1+ 2.11 | 0.26 | | 0 | <20 | P 2 |
| 87 | 154 | | C | TEC-TEH | TEC-TEH | | 00030 | 610HS | VS2- 0.99 | 0.37 | | 0 | <20 | P 2 |
| 91 | 154 | | C | TEC-TEH | TEC-TEH | | 00030 | 610HS | BW1+ 2.20 | 0.27 | | 0 | <20 | P 2 |
| 93 | 154 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.95 | 0.24 | | 0 | <20 | P 2 |
| 95 | 154 | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | BW1- 2.12 | 0.46 | | 0 | <20 | P 2 |
| 97 | 154 | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | BW1+ 1.78 | 0.56 | | 0 | <20 | P 2 |
| 99 | 154 | | H | 08H-VS3 | 08H-VS3 | | 00166 | 580TP | BW1+ 1.74 | 0.83 | | 0 | <20 | P 2 |
| | | | H | TEH-VS3 | TEH-VS5 | 2 | 00362 | 610HS | BW1+ 1.88 | 0.34 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00166 | 580TP | VS2+ 3.37 | 0.61 | | 0 | SVI | P 2 |
| 101 | 154 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1- 1.71 | 1.01 | | 0 | 25 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1+ 1.43 | 1.14 | | 0 | 27 | P 2 |
| 103 | 154 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | 08H- 0.17 | 0.43 | | 0 | <20 | P 2 |
| 107 | 154 | | H | 08H-VS3 | 07H-VS3 | | 00034 | 580CP | BW1+ 1.98 | 0.49 | | 0 | <20 | P 2 |
| 109 | 154 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1+ 1.78 | 1.06 | | 0 | 26 | P 2 |
| 111 | 154 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1+ 1.96 | 0.85 | | 0 | 26 | P 2 |
| 115 | 154 | | H | 08H-VS3 | 08H-VS3 | | 00166 | 580TP | BW1- 1.69 | 0.71 | | 0 | <20 | P 2 |
| 117 | 154 | | H | 08H-VS3 | 08H-VS3 | | 00038 | 580CP | 09H- 1.48 | 0.69 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00038 | 580CP | 09H+ 1.12 | 1.80 | | 0 | 27 | P 2 |
| 119 | 154 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | BW1+ 1.78 | 0.35 | | 0 | <20 | P 2 |
| 94 | 155 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.88 | 0.19 | | 0 | <20 | P 2 |



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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
MONTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 40 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 96 | 155 | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | BW1- 2.18 | 1.09 | | 0 | 21 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | BW1+ 1.73 | 1.09 | | 0 | 21 | P 2 |
| 100 | 155 | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | BW1- 2.20 | 0.46 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00060 | 610HS | BW1+ 2.04 | 0.12 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | BW1+ 2.06 | 0.50 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | VS2+ 2.69 | 0.54 | | 0 | SVI | P 2 |
| 102 | 155 | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | BW1- 2.03 | 0.80 | | 0 | <20 | P 2 |
| 106 | 155 | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | BW1+ 1.32 | 0.61 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | VS2- 1.02 | 0.86 | | 0 | <20 | P 2 |
| 112 | 155 | | H | 08H-VS3 | 08H-VS3 | | 00032 | 580TP | BW1- 2.21 | 0.51 | | 0 | <20 | P 2 |
| 114 | 155 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1- 1.96 | 0.65 | | 0 | 21 | P 2 |
| 118 | 155 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | 09H+ 1.01 | 0.46 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | BW1- 1.73 | 0.70 | | 0 | <20 | P 2 |
| 85 | 156 | | C | TEC-TEH | TEC-TEH | | 00030 | 610HS | BW1+ 2.23 | 0.36 | | 0 | <20 | P 2 |
| 93 | 156 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1- 2.00 | 0.10 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.75 | 0.21 | | 0 | <20 | P 2 |
| 95 | 156 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | 08H+ 0.99 | 0.31 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1- 1.82 | 0.59 | | 0 | 20 | P 2 |
| 97 | 156 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | VS2- 0.88 | 0.32 | | 0 | <20 | P 2 |
| 99 | 156 | | C | TEC-TEH | TEC-TEH | 2 | 00060 | 610HS | BW1- 1.96 | 0.12 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1- 1.89 | 0.29 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1+ 1.75 | 0.76 | | 0 | 24 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00060 | 610HS | BW1+ 2.08 | 0.28 | | 0 | <20 | P 2 |
| 101 | 156 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1+ 1.80 | 0.40 | | 0 | <20 | P 2 |
| 103 | 156 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1- 2.05 | 0.41 | | 0 | <20 | P 2 |
| 105 | 156 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1+ 1.89 | 0.37 | | 0 | <20 | P 2 |
| 107 | 156 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1+ 2.16 | 0.47 | | 0 | <20 | P 2 |
| 113 | 156 | | H | 08H-VS3 | 08H-VS3 | | 00030 | 580TP | BW1- 1.81 | 0.16 | | 0 | <20 | P 2 |
| 117 | 156 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | 09H- 0.92 | 0.75 | | 0 | 24 | P 2 |
| | | | H | 08H-VS3 | 08H-BW1 | | 00272 | 580BC | 09H- 0.77 | 0.52 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | 09H+ 0.23 | 0.85 | | 0 | 26 | P 2 |
| | | | H | 08H-VS3 | 08H-BW1 | | 00272 | 580BC | 09H+ 0.37 | 0.77 | | 0 | <20 | P 2 |
| 119 | 156 | | H | 08H-VS3 | 08H-VS3 | | 00150 | 580BC | BW1+ 1.88 | 0.24 | | 0 | <20 | P 2 |
| 88 | 157 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 2.00 | 0.67 | | 0 | 21 | P 2 |
| 94 | 157 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.91 | 0.19 | | 0 | <20 | P 2 |
| 96 | 157 | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | BW1- 2.25 | 0.71 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | BW1+ 1.14 | 0.37 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | VS2+ 1.00 | 0.27 | | 0 | <20 | P 2 |
| 98 | 157 | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | 08H+ 1.10 | 0.58 | | 0 | <20 | P 2 |
| 100 | 157 | | C | TEC-TEH | TEC-TEH | 2 | 00060 | 610HS | 08H+ 0.82 | 0.42 | | 0 | <20 | P 2 |
| | | | H | 08H-08H | 08H-08H | | 00005 | 600CP | 08H+ 0.87 | 0.67 | | 0 | SVI | P 2 |
| | | | H | 08H-08H | 08H-VS3 | | 00029 | 580TP | 08H+ 0.95 | 1.03 | | 0 | SVI | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00060 | 610HS | BW1- 2.24 | 0.09 | | 0 | <20 | P 2 |
| | | | H | 08H-08H | 08H-VS3 | | 00029 | 580TP | BW1+ 1.89 | 0.85 | | 0 | <20 | P 2 |
| 102 | 157 | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | 08H+ 17.97 | 0.55 | | 0 | SVI | P 2 |

CONAM NUCLEAR, INC.

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CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 41 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|-----------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 106 | 157 | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | BW1+ 1.70 | 0.43 | | 0 | <20 | P 2 |
| 108 | 157 | | H | 08H-09H | 08H-08H | | 00005 | 600CP | 08H+ 1.00 | 0.44 | | 0 | SVI | P 2 |
| | | | H | 08H-09H | 08H-VS3 | | 00029 | 580TP | BW1+ 1.60 | 0.94 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | 2 | 00060 | 610HS | BW1+ 2.00 | 0.16 | | 0 | <20 | P 2 |
| 110 | 157 | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | BW1+ 1.00 | 0.84 | | 0 | <20 | P 2 |
| 112 | 157 | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | BW1- 2.03 | 0.35 | | 0 | <20 | P 2 |
| 114 | 157 | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1- 2.04 | 0.58 | | 0 | 20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00034 | 580CP | BW1+ 1.63 | 0.38 | | 0 | <20 | P 2 |
| 118 | 157 | | H | 08H-VS3 | 08H-VS3 | | 00151 | 580BC | BW1+ 1.95 | 0.50 | | 0 | <20 | P 2 |
| 87 | 158 | | C | TEC-TEH | TEC-TEH | | 00030 | 610HS | BW1+ 1.87 | 0.32 | | 0 | <20 | P 2 |
| 89 | 158 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | 08H+ 0.79 | 0.37 | | 0 | <20 | P 2 |
| 91 | 158 | | C | TEC-TEH | TEC-TEH | | 00030 | 610HS | 08H+ 0.93 | 0.42 | | 0 | <20 | P 2 |
| 93 | 158 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1- 1.88 | 0.15 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.75 | 0.40 | | 0 | <20 | P 2 |
| 99 | 158 | | H | 08H-VS3 | 08H-VS3 | | 00028 | 580CP | BW1+ 1.75 | 0.39 | | 0 | <20 | P 2 |
| 105 | 158 | | H | 08H-VS3 | 08H-VS3 | | 00028 | 580CP | BW1+ 1.98 | 0.28 | | 0 | <20 | P 2 |
| 107 | 158 | | H | 08H-VS3 | 08H-VS3 | | 00028 | 580CP | BW1+ 1.85 | 0.48 | | 0 | <20 | P 2 |
| 109 | 158 | | H | 08H-VS3 | 08H-VS3 | | 00028 | 580CP | BW1+ 1.88 | 0.34 | | 0 | <20 | P 2 |
| 111 | 158 | | H | 08H-VS3 | 08H-VS3 | | 00028 | 580CP | 08H- 0.21 | 0.35 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00028 | 580CP | BW1+ 1.87 | 0.35 | | 0 | <20 | P 2 |
| 5 | 158 | | H | 08H-VS3 | 08H-VS3 | | 00028 | 580CP | BW1+ 1.80 | 0.26 | | 0 | <20 | P 2 |
| 90 | 159 | | C | TEC-TEH | TEC-TSH | | 00009 | 610HS | 05C+ 5.52 | 0.64 | 117 | 26 | P 1 | |
| 92 | 159 | | C | TEC-TEH | TEC-TEH | | 00010 | 610HS | VS2+ 0.67 | 0.23 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | VS2+ 0.79 | 0.33 | | 0 | <20 | P 2 |
| 94 | 159 | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1- 1.92 | 0.14 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00029 | 610HS | BW1+ 1.77 | 0.24 | | 0 | <20 | P 2 |
| 100 | 159 | | H | 08H-VS3 | 08H-VS3 | | 00166 | 580TP | BW1- 1.76 | 0.40 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00166 | 580TP | BW1+ 1.76 | 0.82 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00010 | 610HS | BW1+ 2.13 | 0.26 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 08H-VS3 | | 00166 | 580TP | VS2+ 0.84 | 0.36 | | 0 | <20 | P 2 |
| 108 | 159 | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | BW1+ 1.77 | 0.74 | | 0 | <20 | P 2 |
| 110 | 159 | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | BW1+ 1.79 | 0.40 | | 0 | <20 | P 2 |
| 114 | 159 | | H | 08H-VS3 | 08H-VS3 | | 00028 | 580CP | BW1+ 2.00 | 0.35 | | 0 | <20 | P 2 |
| 116 | 159 | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | BW1- 1.07 | 1.52 | | 0 | 25 | P 2 |
| 85 | 160 | | C | TEC-TEH | TEC-TEH | | 00030 | 610HS | 08H+ 0.81 | 0.77 | | 0 | 22 | P 2 |
| 87 | 160 | | C | TEC-TEH | TEC-TEH | | 00030 | 610HS | 08H+ 0.81 | 0.84 | | 0 | 23 | P 2 |
| 91 | 160 | | C | TEC-TEH | TEC-TEH | | 00030 | 610HS | 08H+ 0.96 | 0.59 | | 0 | <20 | P 2 |
| 99 | 160 | | H | 08H-VS3 | 07H-VS3 | | 00166 | 580TP | 09H+ 0.95 | 0.32 | | 0 | <20 | P 2 |
| | | | H | 08H-VS3 | 07H-VS3 | | 00166 | 580TP | BW1+ 1.77 | 0.56 | | 0 | <20 | P 2 |
| 101 | 160 | | H | 08H-VS3 | 08H-VS3 | | 00166 | 580TP | BW1+ 1.77 | 0.45 | | 0 | <20 | P 2 |
| 107 | 160 | | H | 08H-VS3 | 08H-VS3 | | 00026 | 580CP | BW1- 2.33 | 0.69 | | 0 | <20 | P 2 |
| 113 | 160 | | H | 08H-VS3 | 08H-VS3 | | 00029 | 580TP | BW1+ 1.82 | 0.39 | | 0 | <20 | P 2 |
| 101 | 162 | | C | TEC-TEH | TEC-TEH | | 00040 | 610HS | 08H+ 0.89 | 0.62 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00040 | 610HS | BW1+ 2.24 | 0.41 | | 0 | <20 | P 2 |
| 88 | 163 | | C | TEC-TEH | TEC-TEH | | 00010 | 610HS | VS3- 0.90 | 0.47 | | 0 | <20 | P 2 |

CONAM NUCLEAR, INC.

[illegible]

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10. *Chlorophyll a* (Chl *a*)

CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
OUTAGE DATA SET : CURRENT
SECTION VARIABLES: Percent

PAGE: 42 OF 42
DATE: 01/19/95
TIME: 10:36:03

| ROW | LIN | PLUGS | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | CURRENT | | | | |
|-----|-----|-------|-----|-------------|---------|-----|-------|-------|------------|---------|-----|-----|-----|-----|
| | | | | PROGRAM | ACTUAL | | | | | VOLTS | MIL | DEG | % | CH |
| 102 | 163 | | C | TEC-TEH | TEC-TEH | | 00011 | 610HS | 08H+ 0.75 | 0.30 | | 0 | <20 | P 2 |
| 87 | 164 | | C | TEC-TEH | TEC-TEH | | 00012 | 610HS | BW1+ 2.25 | 0.41 | | 0 | <20 | P 2 |
| 95 | 164 | | C | TEC-TEH | TEC-TEH | | 00012 | 610HS | 08H+ 0.92 | 0.86 | | 0 | 26 | P 2 |
| 86 | 165 | | H | 08H-08H | 08H-08H | | 00333 | 580TP | 08H+ 0.91 | 0.51 | | 0 | <20 | P 2 |
| 102 | 165 | | C | TEC-TEH | TEC-TEH | | 00009 | 610HS | BW1+ 2.06 | 0.40 | | 0 | <20 | P 2 |
| 85 | 166 | | C | TEC-TEH | TEC-TEH | | 00009 | 610HS | 08H+ 0.80 | 0.71 | | 0 | 21 | P 2 |
| 88 | 167 | | C | TEC-TEH | TEC-TEH | | 00010 | 610HS | BW1+ 1.84 | 0.38 | | 0 | <20 | P 2 |
| 87 | 168 | | C | TEC-TEH | TEC-TEH | | 00009 | 610HS | 08H+ 0.88 | 0.70 | | 0 | 21 | P 2 |
| 89 | 168 | | C | TEC-TEH | TEC-TEH | | 00010 | 610HS | 08H+ 0.81 | 0.47 | | 0 | <20 | P 2 |
| 93 | 168 | | C | TEC-TEH | TEC-TEH | | 00010 | 610HS | 08H+ 0.89 | 0.29 | | 0 | <20 | P 2 |
| 86 | 169 | | C | TEC-TEH | TEC-TEH | | 00009 | 610HS | 08H+ 0.79 | 0.97 | | 0 | 26 | P 2 |
| 85 | 170 | | C | TEC-TEH | TEC-TEH | | 00009 | 610HS | 08H+ 0.73 | 0.48 | | 0 | <20 | P 2 |
| | | | C | TEC-TEH | TEC-TEH | | 00009 | 610HS | BW1+ 1.85 | 0.55 | | 0 | 21 | P 2 |
| 87 | 170 | | C | TEC-TEH | TEC-TEH | | 00010 | 610HS | 08H+ 0.74 | 0.26 | | 0 | <20 | P 2 |
| 86 | 171 | | C | TEC-TEH | TEC-TEH | | 00009 | 610HS | BW1+ 1.99 | 0.68 | | 0 | 24 | P 2 |
| 90 | 171 | | C | TEC-TEH | TEC-TEH | | 00009 | 610HS | BW1+ 1.76 | 0.63 | | 0 | 23 | P 2 |
| 18 | 187 | | C | 05C-06C | 05C-06C | | 00047 | 610BC | 05C+ 33.75 | 0.32 | | 0 | SVI | P 2 |

NUMBER OF TUBES SELECTED FROM CURRENT OUTAGE: 1265
NUMBER OF DATA RECORDS SELECTED FROM CURRENT OUTAGE: 1862

TREND ANALYSIS REQUESTED

DATA SELECTION CRITERIA:

Percent: MAI, MCI, MVI, SAI, SCI, SVI, BLI, OBS, 0 to 100%

REPORT OPTIONS:

Only examination results matching criteria are included.



APPENDIX D

SUMMARY DATA SHEETS PLP



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 31
OUTAGE DATA SET : CURRENT
SELECTION VARIABLES: Percent

PAGE: 1 OF 1
DATE: 01/19/95
TIME: 14:26:16

| ROW | LIN | LEG | EXAM EXTENT | | EXP | CAL | PROBE | LOCATION | | CURRENT | | | | |
|-----|-----|-----|-------------|---------|-----|-------|-------|----------|------|---------|-----|-----|-----|----|
| | | | PROGRAM | ACTUAL | | | | | | VOLTS | MIL | DEG | % | CH |
| 114 | 31 | H | 08H-VS3 | 08H-VS3 | | 00251 | 580TP | 08H+ | 1.17 | 2.02 | | 0 | PLP | 8 |
| 116 | 31 | H | 08H-VS3 | 08H-VS3 | | 00251 | 580TP | 08H+ | 1.17 | 1.94 | | 0 | PLP | 8 |
| 113 | 32 | H | 08H-VS3 | 08H-VS3 | | 00038 | 580CP | 08H+ | 3.72 | 1.65 | | 0 | PLP | 8 |
| 115 | 32 | H | 08H-VS3 | 08H-VS3 | | 00251 | 580TP | 08H+ | 3.65 | 2.00 | | 0 | PLP | 8 |
| 2 | 149 | H | TSH-01H | TSH-01H | 1 | 00263 | 580BC | TSH+ | 3.28 | 0.41 | | 0 | PLP | 11 |
| 4 | 149 | H | TSH-01H | TSH-01H | 1 | 00263 | 580BC | TSH+ | 3.14 | 0.61 | | 0 | PLP | 11 |

NUMBER OF TUBES SELECTED FROM CURRENT OUTAGE: 6
NUMBER OF DATA RECORDS SELECTED FROM CURRENT OUTAGE: 6

NO TREND ANALYSIS REQUESTED

DATA SELECTION CRITERIA:
Percent: PLI,PLP

REPORT OPTIONS:
Only examination results matching criteria are included



CUMULATIVE REPORT
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR : 32
OUTAGE DATA SET : CURRENT
SELECTION VARIABLES: Percent

PAGE: 1 OF 1
DATE: 01/19/95
TIME: 14:21:09

*** NO CALLS IN THIS RANGE ***

DATA SELECTION CRITERIA:
Percent: PLI,PLP

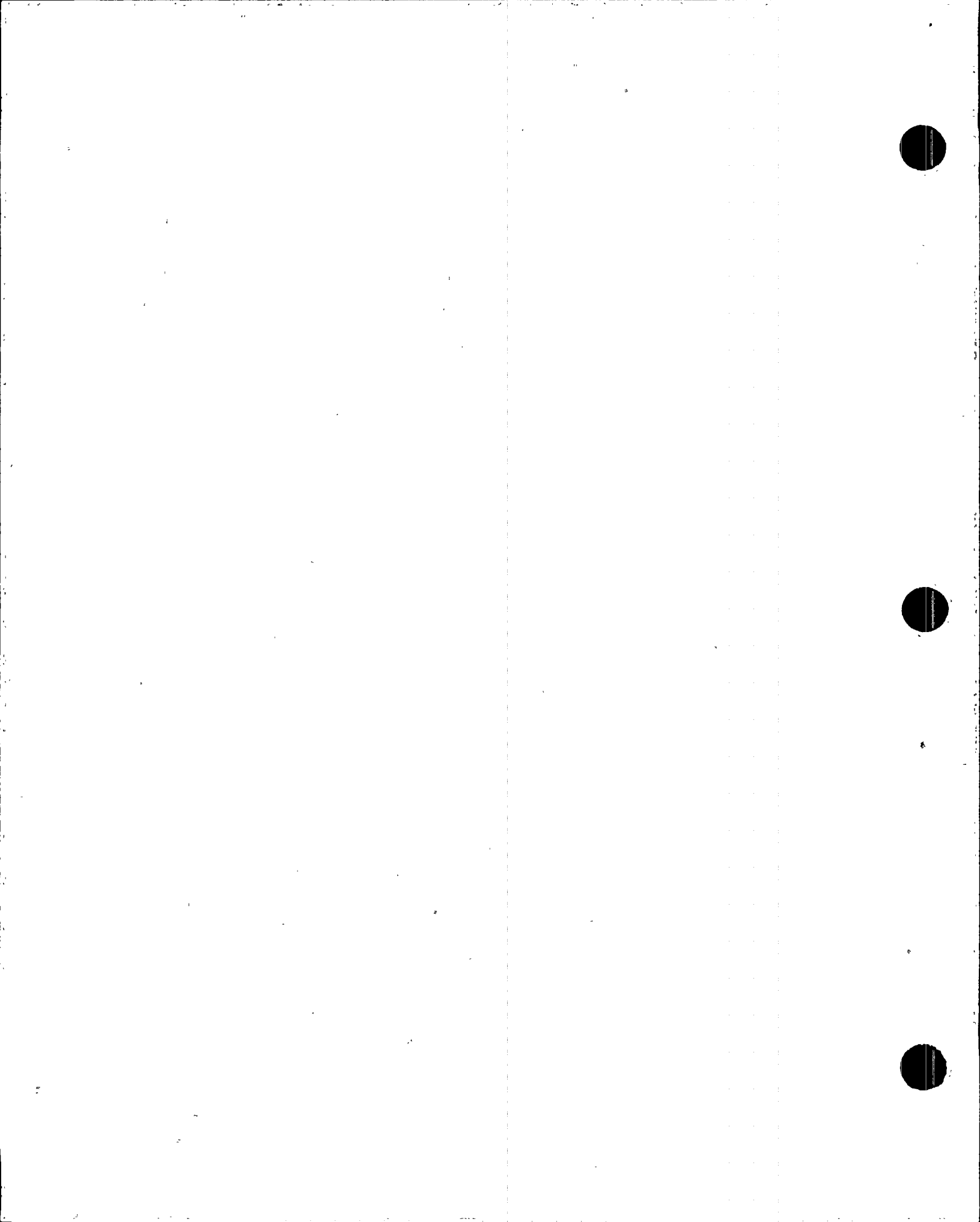
REPORT OPTIONS:
Only examination results matching criteria are included

CONAM NUCLEAR, INC.



APPENDIX E

TUBE PLUG.MAP



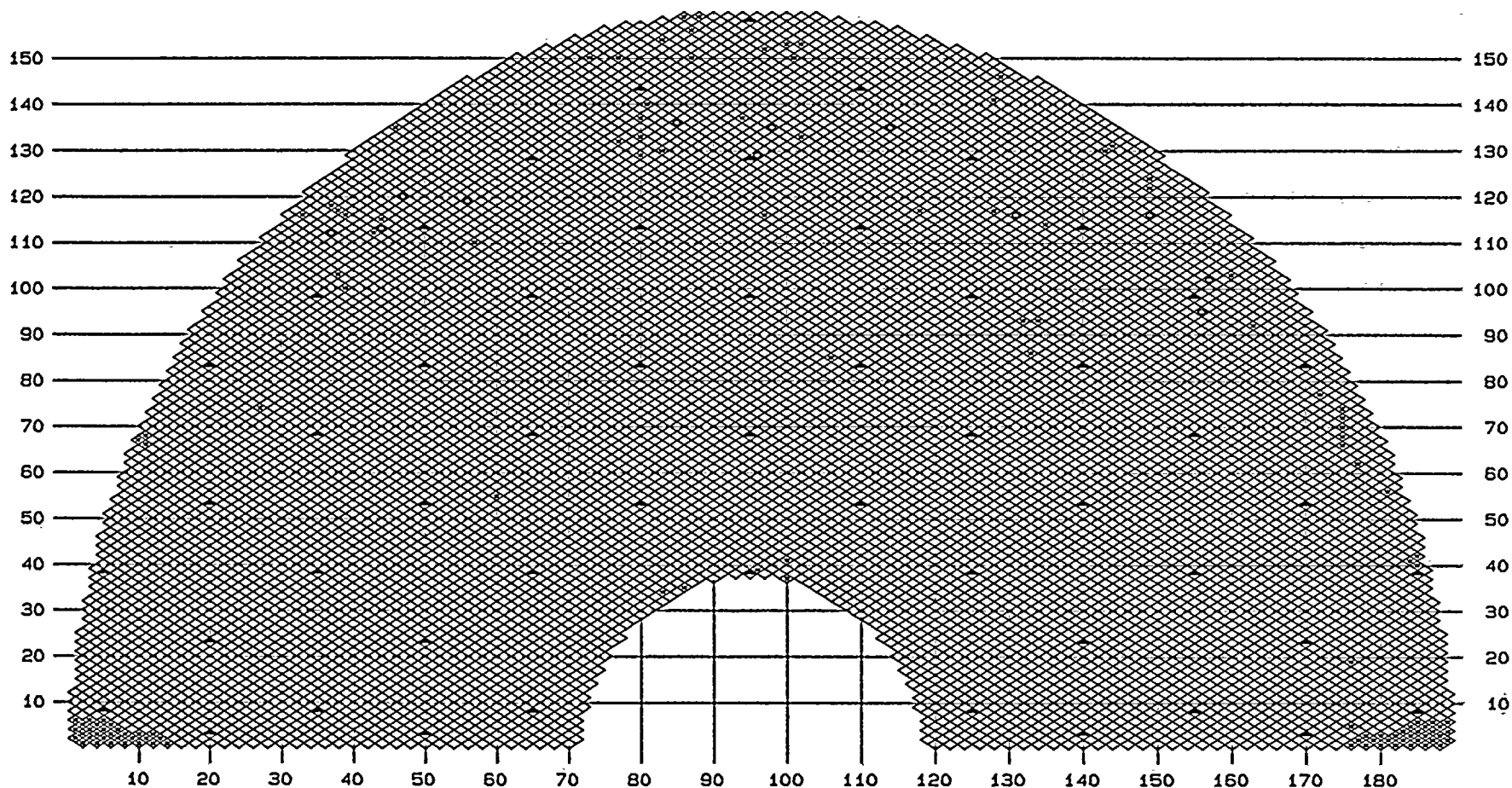
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR: 31
OUTAGE DATA SET : CURRENT
Percent: TBP

DATE: 01/19/95
TIME: 14:28:06

STAYS

PLUGGED 128 X TBP 12 O





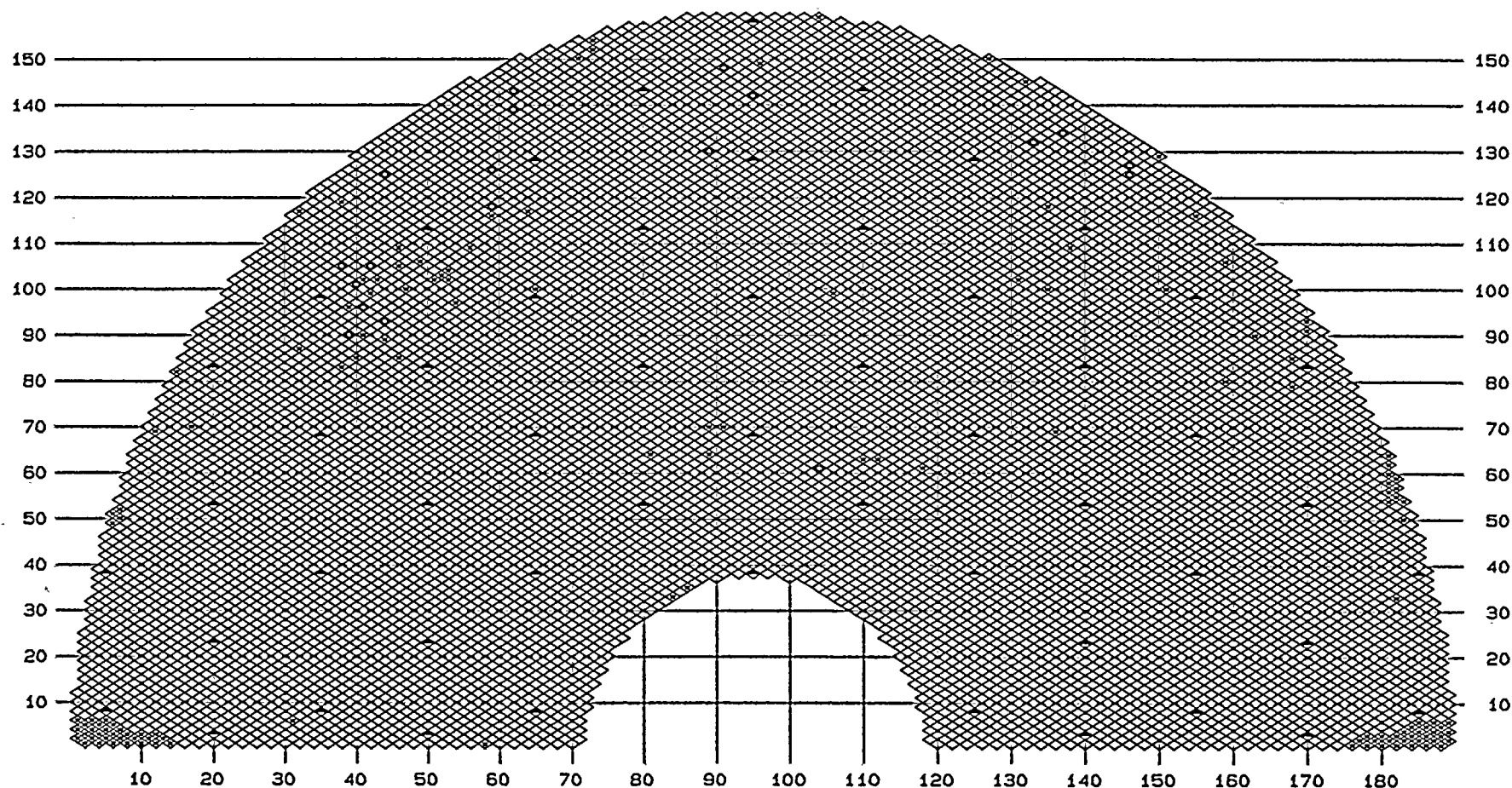
12/94, ARIZONA PUBLIC SERVICE CO., PALO VERDE, UNIT 3

STEAM GENERATOR: 32
OUTAGE DATA SET : CURRENT
Percent: TBP

DATE: 01/19/95
TIME: 14: 23: 05

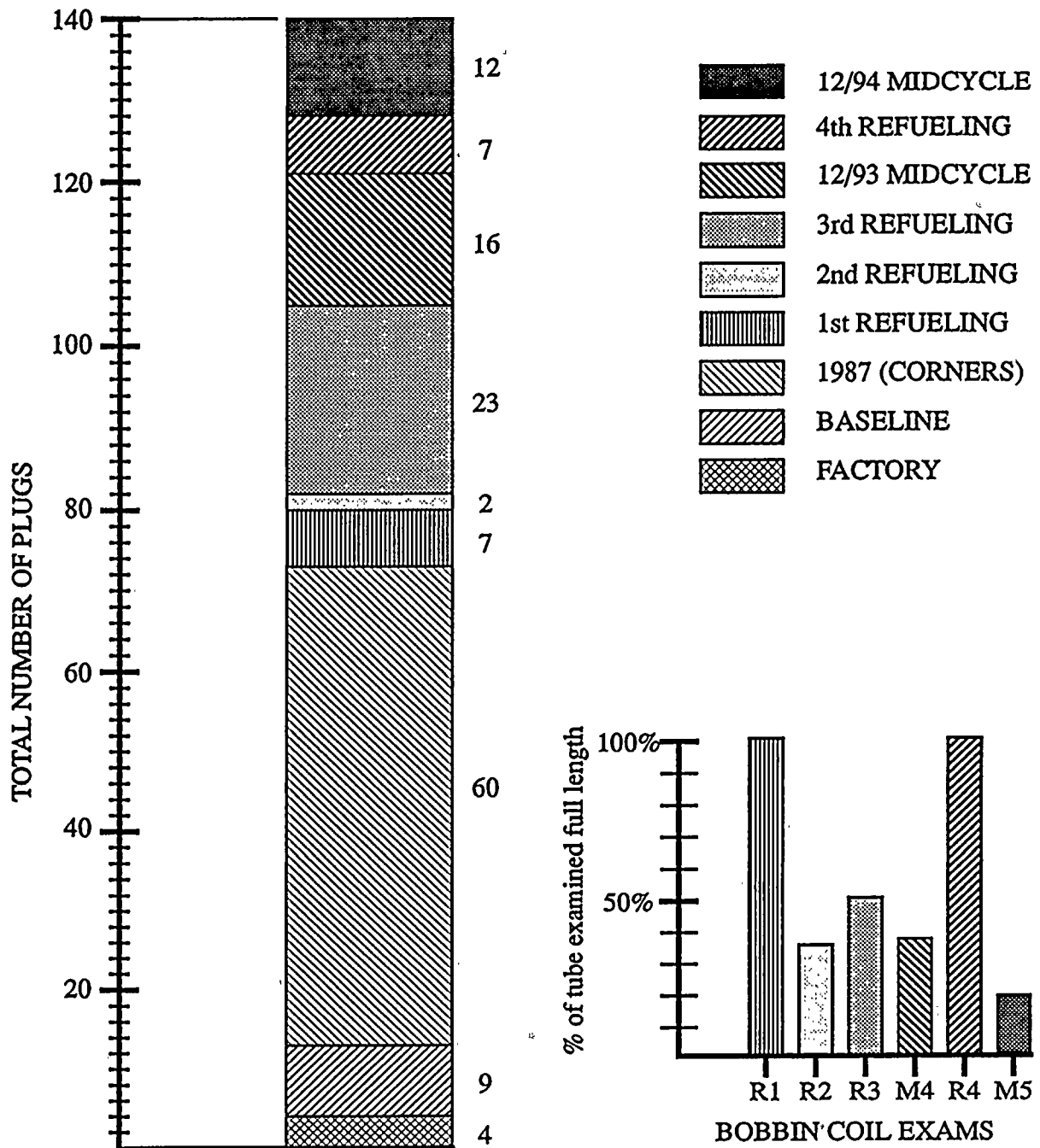
STAYS

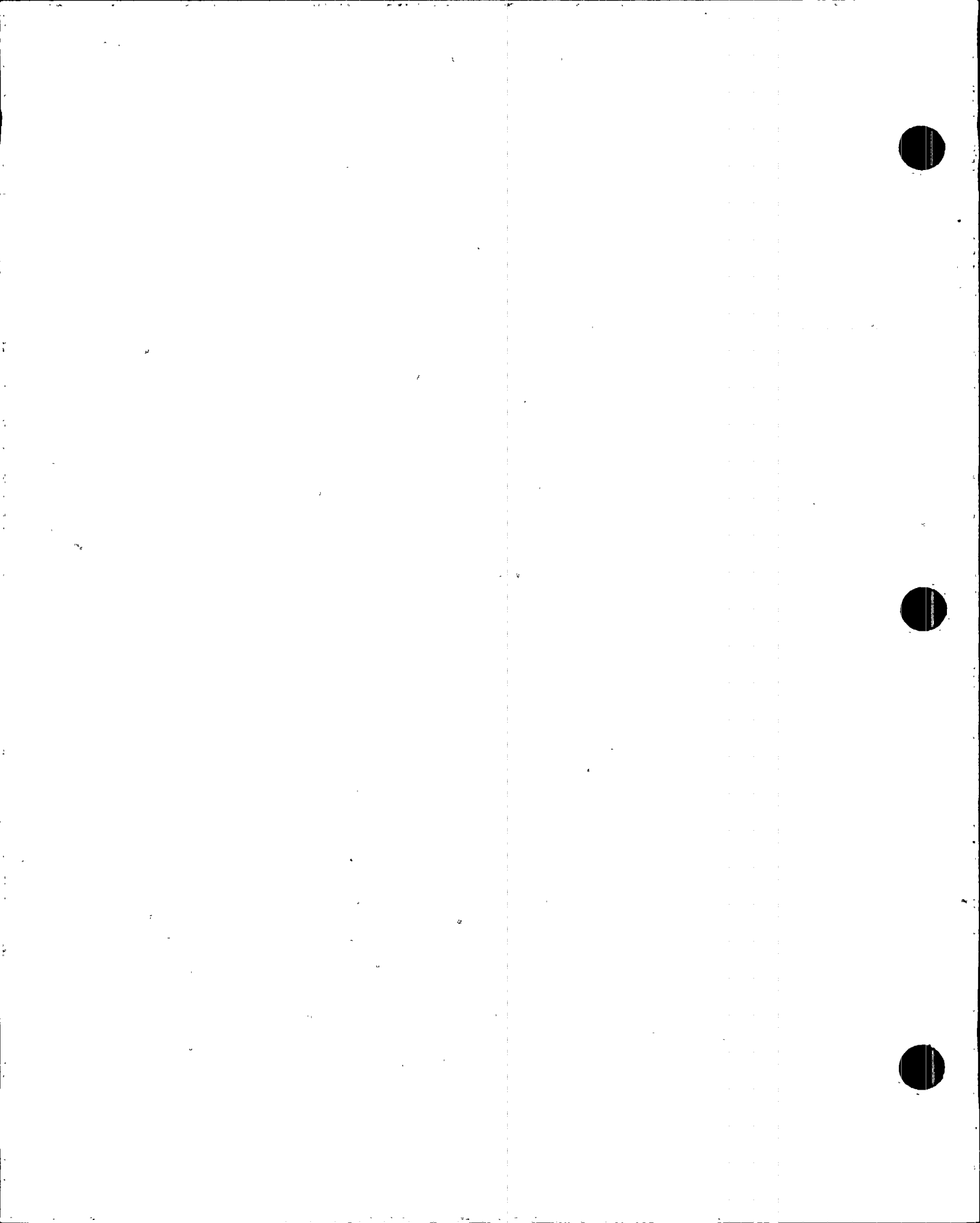
PLUGGED 138 X TBP 19 O



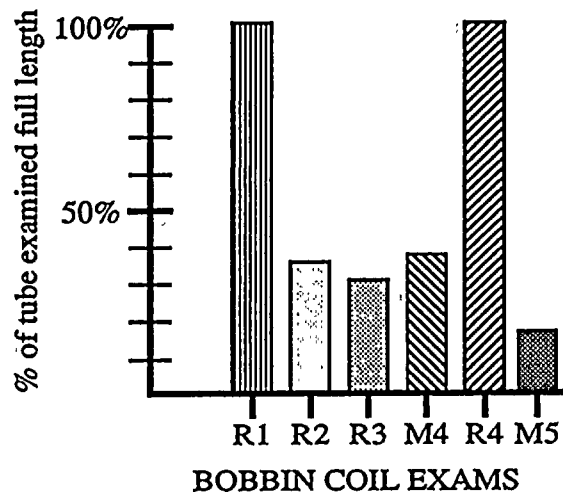
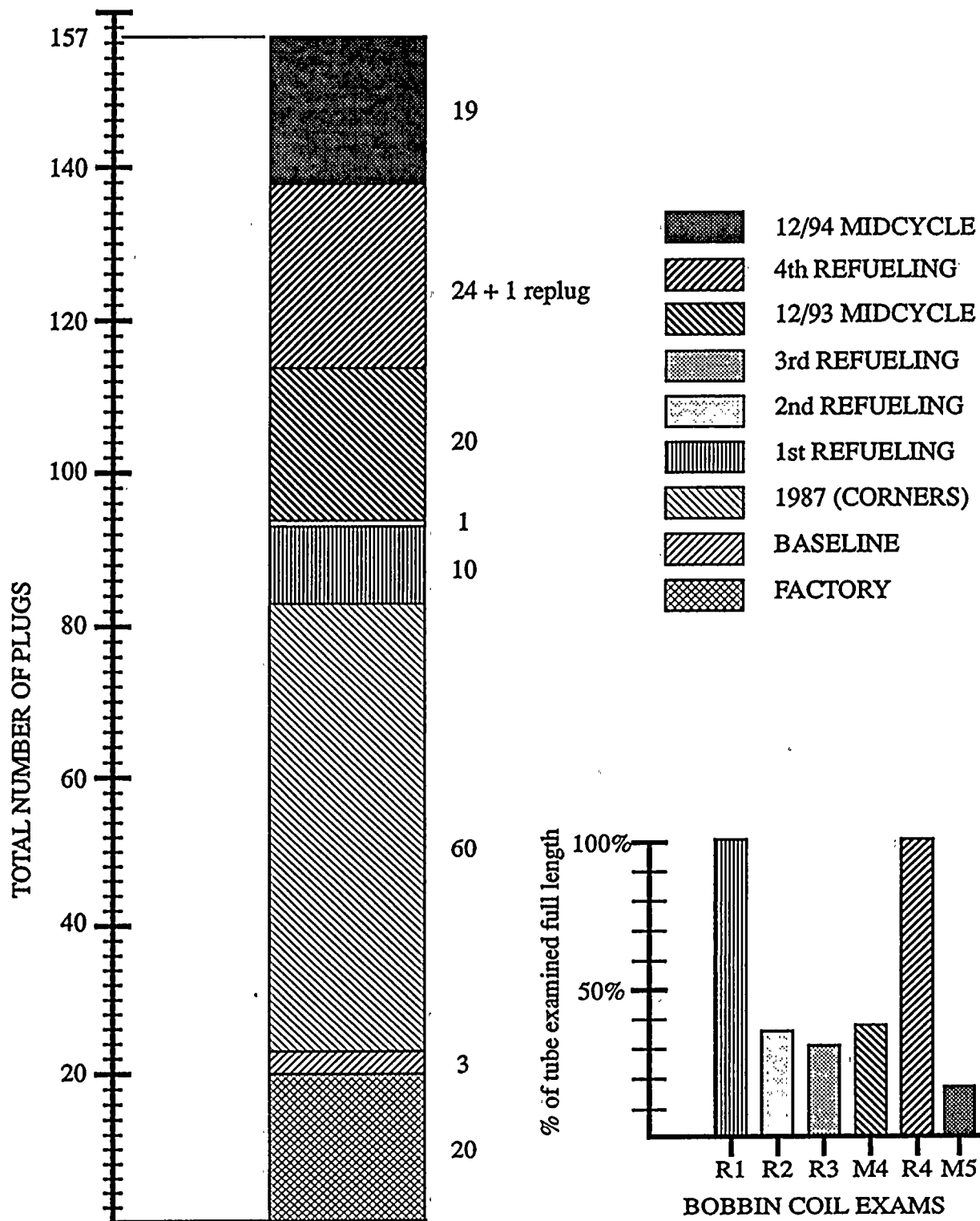


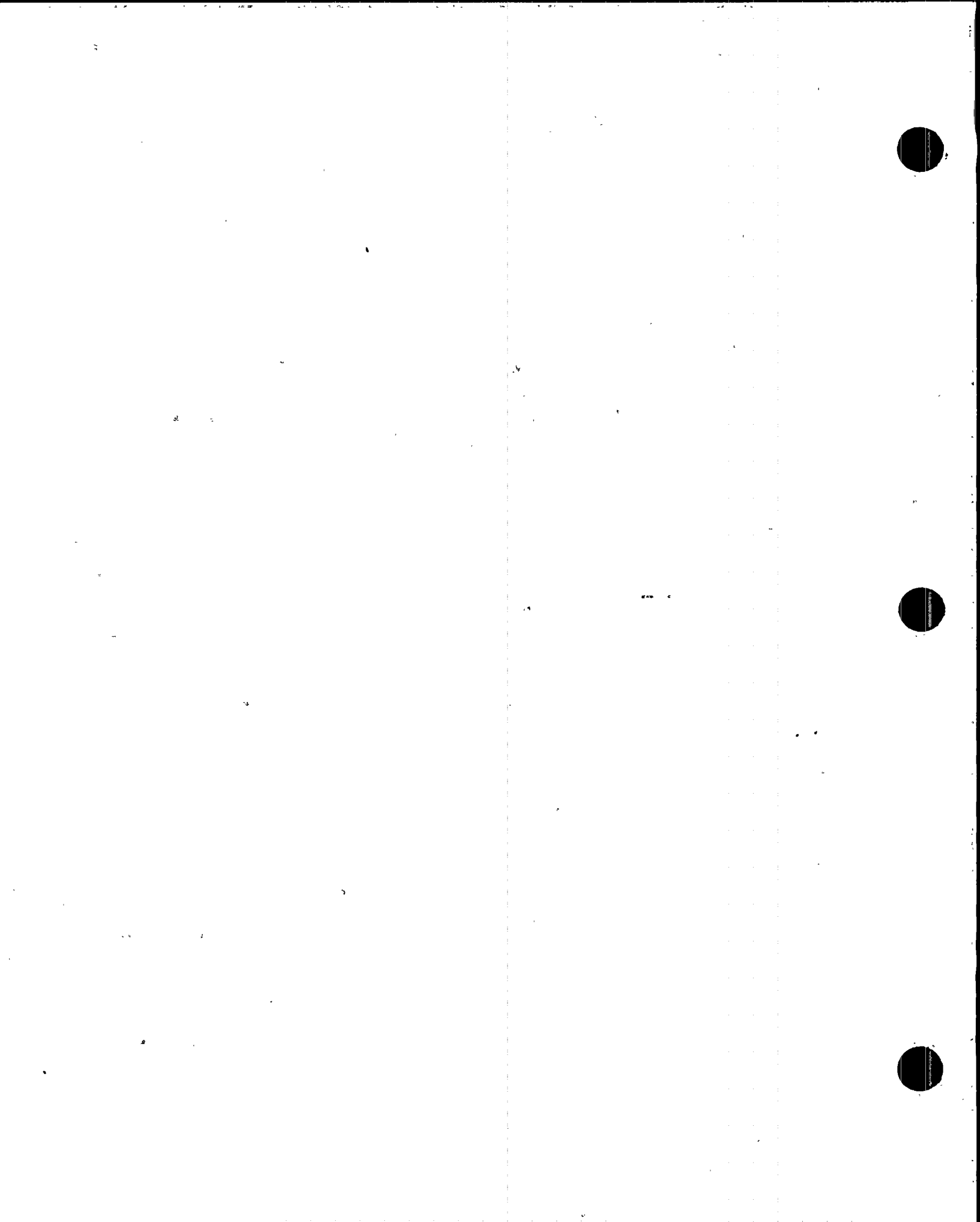
STEAM GENERATOR 31





STEAM GENERATOR 32





APPENDIX F

FORM NIS-1



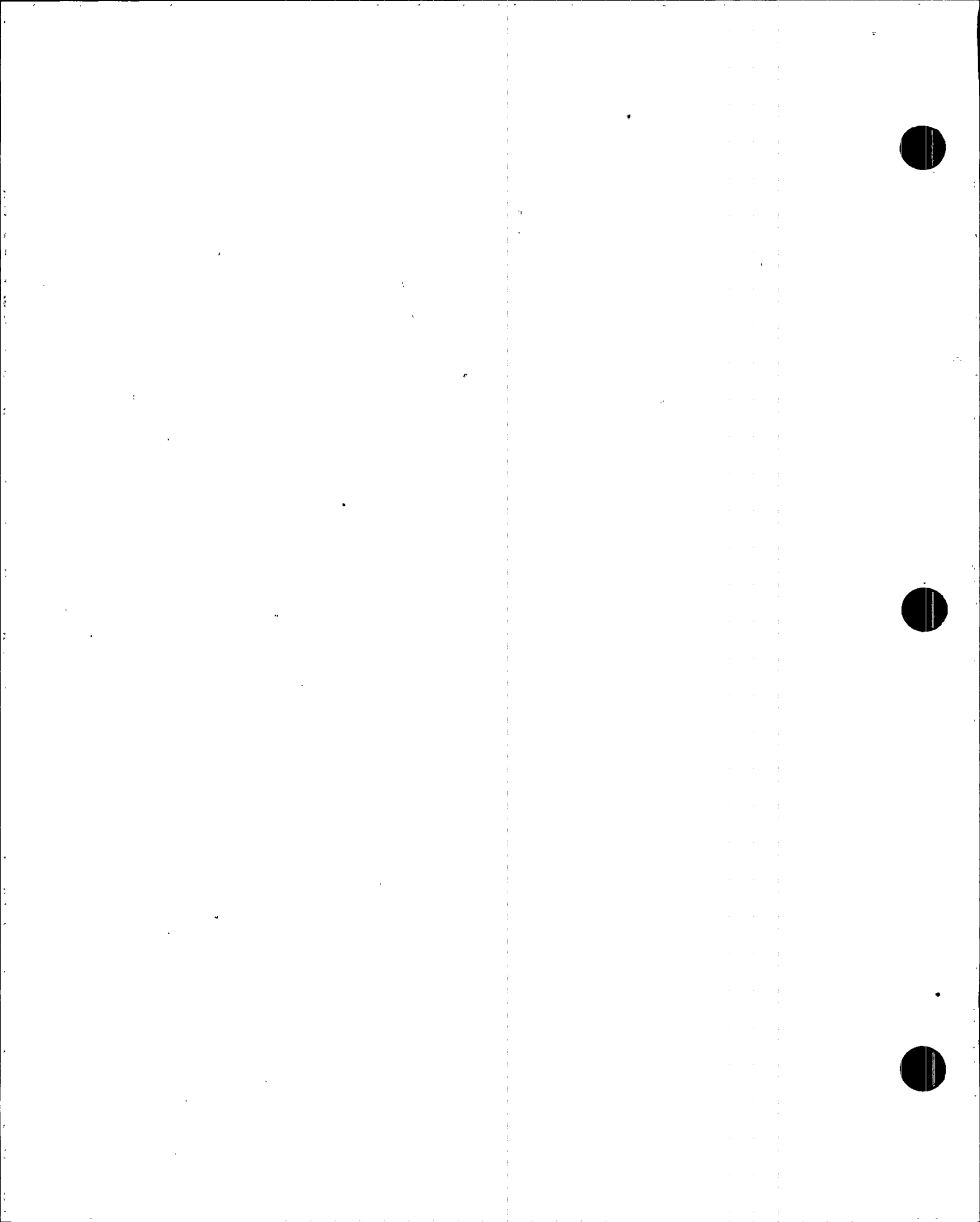
APS

NIS-1 FORM

OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

1. OWNER ARIZONA PUBLIC SERVICE COMPANY, et al
ADDRESS P.O. BOX 52034; PHOENIX, ARIZONA
2. PLANT PALO VERDE NUCLEAR GENERATING STATION
ADDRESS 5801 SOUTH WINTERSBURG ROAD, TONOPAH, ARIZONA 85354
3. UNIT NUMBER: 3
4. OWNERS CERTIFICATE OF AUTHORIZATION NONE
5. COMMERCIAL SERVICE DATE: 1/8/88
6. COMPONENTS INSPECTED:

| COMPONENT OR
APPURTENANCE | MANUFACTURER
OR INSTALLER | SERIAL
NUMBER | STATE OR
PROVINCE | NATIONAL
BOARD NO |
|---|------------------------------|------------------|----------------------|----------------------|
| 3MRCEE01A
STEAM GENERATOR 31
TUBING | COMBUSTION
ENGINEERING | 65273-1 | N/A | 22860 |
| 3MRCEE01B
STEAM GENERATOR 32
TUBING | COMBUSTION
ENGINEERING | 65273-2 | N/A | 22861 |



APS

NIS-1 BACK

OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

7. EXAM DATES 11/29/94 TO 12/11/94

8. INSPECTION INTERVAL FROM 1/8/88 TO 1/10/98

9. ABSTRACT OF EXAMINATIONS. INCLUDE A LIST OF EXAMINATIONS AND A STATEMENT CONCERNING STATUS OF WORK REQUIRED FOR CURRENT INTERVAL

In Steam Generator 31 a total of 2098 tubes were examined full length with the bobbin coil. 322 tubes were examined at the top of the hot leg tube sheet using RPC. 2065 tubes were examined 08h-2nd VS using RPC. Multiple expansions were performed. Amounts of tubes examined and descriptions of expansions are located in table 1 of this report.

In Steam Generator 32 a total of 1843 tubes were examined full length with the bobbin coil. 641 tubes were examined at the top of the hot leg tube sheet using RPC. 2321 tubes were examined 08h-2nd VS using RPC. Multiple expansions were performed. Amounts of tubes examined and descriptions of expansions are located in table 1 of this report.

Several degraded/defective tubes were observed during testing and they are documented in Appendix C, and D of this report. The tubes identified on the following page were plugged as a result of this examination.

OF TUBES PLUGGED - SG31=12, SG32=19

WE CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE CORRECT AND THE EXAMINATIONS AND CORRECTIVE MEASURES TAKEN CONFORM TO THE RULES OF THE ASME CODE, SECTION XI

DATE 5-5-95 SIGNED: ARIZONA PUBLIC SERVICE COMPANY BY [Signature]

CERTIFICATE OF INSERVICE INSPECTION

I, THE UNDERSIGNED, HOLDING A VALID COMMISSION ISSUED BY THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS AND THE STATE OF PROVINCE OF ARIZONA EMPLOYED BY HSBI & I CO. OF HARTFORD, CONNECTICUT HAVE INSPECTED THE COMPONENTS DESCRIBED IN THIS OWNERS REPORT DURING THE PERIOD 11-29-94 TO 12-11-94, AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE OWNER HAS PERFORMED EXAMINATIONS AND TAKEN CORRECTIVE MEASURES DESCRIBED IN THIS OWNERS REPORT IN ACCORDANCE WITH THE REQUIREMENTS OF THE ASME CODE, SECTION XI. BY SIGNING THIS CERTIFICATE NEITHER THE INSPECTOR NOR HIS EMPLOYER MAKES ANY WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE EXAMINATIONS AND CORRECTIVE MEASURES DESCRIBED IN THIS OWNERS REPORT. FURTHERMORE, NEITHER THE INSPECTOR NOR HIS EMPLOYER SHALL BE LIABLE IN ANY MANNER FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE OR A LOSS OF ANY KIND ARISING FROM OR CONNECTED WITH THIS INSPECTION.

INSPECTOR [Signature] COMMISSIONS NB 9685 'N' 'I' Az 264
NATL' BOARD, STATE, PROVINCE

DATE 5-5-95



10-10-10

10-10-10

UNIT 3 M5 MID-CYCLE OUTAGE
TUBES PLUGGED

STEAM GENERATOR 31

| <u>ROW</u> | <u>LINE</u> |
|------------|-------------|
| 112 | 37 |
| 113 | 44 |
| 120 | 47 |
| 119 | 56 |
| 136 | 85 |
| 129 | 96 |
| 135 | 98 |
| 135 | 114 |
| 116 | 131 |
| 116 | 149 |
| 95 | 156 |
| 102 | 157 |

STEAM GENERATOR 32

| <u>ROW</u> | <u>LINE</u> |
|------------|-------------|
| 105 | 38 |
| 90 | 39 |
| 101 | 40 |
| 96 | 41 |
| 105 | 42 |
| 93 | 44 |
| 125 | 44 |
| 118 | 59 |
| 126 | 59 |
| 139 | 62 |
| 143 | 62 |
| 130 | 89 |
| 148 | 91 |
| 142 | 95 |
| 61 | 104 |
| 132 | 133 |
| 134 | 137 |
| 125 | 146 |
| 127 | 146 |

