ENCLOSURE 1

REACTOR CONTAINMENT BUILDING
SECOND INSERVICE INTEGRATED LEAK RATE TEST
AND
TYPE B & C
SURVEILLANCE TEST

SALEM NUCLEAR GENERATING STATION
UNIT 1

AUGUST 1984

PUBLIC SERVICE ELECTRIC AND GAS COMPANY

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REFERENCES

1. 10 CRF50 Appendix J. Primary Reactor Containment Leakage Testing for Water-Cooled Power Reactors September 22, 1980

2. ANSI N 45.4 - 1972 Leakage Rate Testing of Containment Structures for Nuclear Reactors (Technical Specifications commitment)

3. ANSI 56.8 - 1981 Containment System Leakage Testing Requirements

4. Public Service Electric & Gas Company Nuclear Site Maintenance Department Procedure M9-ILP-CT-1 Rev. 04 Reactor Containment Building Integrated Leak Rate Test

5. Salem Unit No. 1 Technical Specification 4.6.1.2

SECTION 1

PURPOSE

The purpose of this report is to present a description and the results of the second inservice Type "A" Reactor Containment Building Integrated Leak Rate Test (CILRT). Also included is a summary of the Type "B" and "C" tests performed since the first inservice CILRT of Public Service Electric and Gas Company Salem Nuclear Generating Station Unit 1.

This report is submitted as required by 10 CFR 50, appendix J, paragraph VB (Reference 1) September 22, 1980.

The Type "A" Test was conducted over a 24 hour duration in accordance with ANSI N 45.5 - 1972.

SECTION 2

SUMMARY

2.1 Type "A" Test

On August 9, 1984, at 1457, pressurization for the CILRT of Salem Unit 1 was started. During the initial hours of pressurization, a decrease of the Reactor Coolant level in the pressurizer was noticed. At the same time, the level in the Reactor Coolant Drain tank was increasing.

On August 9, 1984, at 2105 hours, the pressurization of containment was stopped to investigate the decline in reactor coolant inventory. After obtaining a radioactive gas release, on August 10, 1984, at 0625 hours, the depressurization of the Containment Building was started.

On August 10, 1984, at 1600 hours, the containment was at atmospheric pressure and a full investigation began to determine the cause of the pressurizer level decline.

A leak in the Charging System outside containment was identified and corrected. Containment sump level was measured and the increase in Reactor Coolant Drain tank reviewed. It was determined that the increase in Reactor Coolant Drain tank was due to operation of the

Reactor Coolant Pump Seal Supply System, subsequently, a procedural change was approved to eliminate the operation of this system. Most of the reactor coolant volume loss indicated by the drop in pressurizer level was accounted for and the remaining volume was attributed to the Charging System leak outside containment.

On August 11, 1984, at 0222 hours the pressurization was restarted. When containment pressure of 62.500 psia was reached, four of the eight compressors used for pressurization were secured to slow down the rate of pressurization.

On August 11, 1984, at 1728 hours, the pressurization of the containment of Salem Unit 1 was completed. Containment isolation valve 1VC5 was closed, all the air compressors were stopped and the pressurization facilities vented to the atmosphere. The average containment pressure was at 63.537 psia at completion of the pressurization.

On August 11, 1984, at 1737 hours, the data acquisition program to monitor and record the stabilization data was initiated. All stabilization criteria were satisfied in four hours.

On August 11, 1984, at 2300 hours, the data acquisition program to monitor and record the CILRT data was initiated. Containment absolute pressure, temperatures at each of the installed RTDs, and vapor pressure measured by the installed dewpoint sensors were recorded at 15 minute intervals. The installed micro-processor converts those data into the

containment absolute leakage rate. After 24 hours of data collection the calculated leak rate was 0.033% of containment volume per day. With 95% confidence level and other corrections shown in paragraph 5.7.b, this converts into 0.0411% of containment volume per day or 0.411 L_a. this is within the Technical Specification acceptance criteria of 0.75 L_a.

After securing an air release permit, the instrument verification test was performed in accordance with the mass step change method, and successfully completed on August 13, 1984, at 0321 hours.

Depressurization commenced upon completion of the instrument verification test and was completed on August 13, 1984, at 1552 hours.

2.2 Local Leak Rate Tests (Types B & C)

The local leakage tests (LLRTS) of the containment penetrations were performed by the methods described in the Salem Generating Station Maintenance Department Procedure No. M16E. Attachments 6 and 7 to this report summarize the data obtained from the LLRTs performed since the conductance of the first inservice Type "A" Test in accordance with 10CFR50, Appendix J.

SECTION 3

EDITED LOG OF EVENTS

August 9, 1984

1100 Start final containment walkdown and pretest liner inspection.

1500 Start pressurization.

1830 Notified by control room operator that there is a steady drop in pressurizer level and an increase in the Reactor Coolant Drain Tank.

2105 Pressurizer level down to 45% cold calibration level. Decision was made to depressurize to investigation the cause of loss of reactor coolant.

August 10, 1984

0542 Obtained air release permit.

0625 Commenced with depressurization.

1300 Start containment inspection.

1600 Containment at atmospheric pressure start of full investigation of the loss of reactor coolant.

August 11, 1984

0222 Restarted pressurization after pumping the Reactor Coolant Drain Tank down and a valve line up verification of those valves that had to be opened and/or closed for the pumpdown.

1728 Pressurization complete, stopped and vented air compressors vented temporary piping to 1VC5 to atmosphere.

1740 Start stabilization.

2050 Temperature criteria for stabilization satisfied.

2300 Commenced CILRT.

August 12, 1984

2300 Completed CILRT.

August 13, 1984

0200 Obtained an air release permit.

0221 Start of instrument verification test.

0325 Instrument verification test successfully completed.

0405 Start depressurization.

1552 Containment at atmospheric pressure and start of post CILRT containment inspection.

August 15, 1984

Terminated log of events.

SECTION 4

GENERAL TEST DESCRIPTION

Excerpted from PSE&G procedure no. M9-ILP-CT-1, Rev. 04

4.1 PRECAUTIONS

a. Except in the case of emergency depressurization, the Senior Shift Supervisor/Shift Supervisor is the only individual that may authorize the commencing of the pressurization and depressurization of containment.

b. All areas within 30 feet of containment shall be restricted areas and only authorized test personnel and personnel that must perform supportive activities are permitted in the restricted area.

c. All containment valves shall be positioned by their normal means; no torquing of handwheels or exercising of the valves shall be permitted.

d. No leakage path shall be isolated without the prior approval of the Test Director. All pre-rework and post rework Local Leakage Rates shall be recorded.

e. Several penetrations were, for practical reasons, not in the line up required for the performance of the Type "A" Test and Type "C" leakage of those penetrations must be added to the leakage measured during the Type "A" Test.

Penetration No. 40 is one of those penetrations. This vacuum/pressure relief path for containment atmosphere during operation is utilized for pressurization and depressurization of containment for the performance of the CILRT. The isolation valves for the penetration are 10" air operated butterfly valves that fail in the closed position. With the control air in containment isolated and vented to containment atmosphere, the isolation valve inside containment, 1VC6, is inoperable. For this reason valve 1VC6 was blocked in the open position, in essence a single failure condition. The outside containment isolation valve 1VC5 was the only isolation from containment during the performance of the CILRT. Based on the above information this penetrations Type C leakage rate was not added to the Containment leakage measured during the Type A Test.

4.2 A partial listing of the recorded prerequisites.

a. All Type B & C Tests in accordance with PSE&G maintenance procedure M16E are current.

b. All instrumentation used for the test has been calibrated no more than six months prior to the test and must be checked in place after installation at one or more points using a standard which is traceable to the National Bureau of Standards (NBS).

c. Site Meteorology data recorded, at four hour intervals, at least three days prior to the CILRT (Recording will continue at one hour intervals during the test).

d. General inspection of the accessible interior and exterior surfaces of the containment structure has been completed.

e. An official log of events has been initiated.

f. The valve line up has been completed and verified.

g. Data acquisition system is energized and ready for test operation requirements.

4.3 Equipment

4.3.1 Pressurization of the containment was achieved by eight (8) temporary diesel driven oil free air compressors manifolded into two (2) after-coolers. From the aftercoolers the compressed air was routed through a refrigerated air drier and valving system for regulating back pressure into the containment building. The total capacity of the pressurization facility was rated at 10,000 standard cubic feet per minute (SCFM).

4.3.2 Instrument verification was achieved by installation of a precision gas meter in the piping system used for pressurization.

4.3.3 Depressurization was achieved by return flow through the piping system used for pressurization.

4.4 Instrumentation

NOTE: The Instrumentation, Data Acquisition and Resolution for the test was performed by PSE&G Research Corporation.

4.4.1 Data Acquisition and Resolution was achieved by utilization of a microprocessor controlled data acquisition and recording system coupled to a computer which converts the raw data into the containment absolute leakage rate. The formulas and their derivation for computing the measured leakage rate and mass were taken from ANSI N45.5-1972 and ae shown in Attachment 1.

4.4.2 Installed Sensors

a. Two (2) quarts manometers
b. Six (6) dewpoint sensors
c. Twenty four (24) Resistance Temperature Detectors (RTD)

All sensors installed were calibration checked prior to the test and immediately after completion of the test.

Attachment 2 contains a location sketch of sensors, sensor weighting factor, calibration check reports and instrument selection.

4.4.3 The instrumentation verification equipment consisted of:

a. One (1) Dresser Ind. Inc. gas meter model 3 M-125 T.C. with a range of 0 - 3000 CFH and an accuracy of 100.75%.

b. One (1) Matheson Pressure Gauge 63-5612 with a range of 0 - 100 psig and an accuracy of ± 0.25 psig.

SECTION 5

TEST RESULTS

5.1 Technical data for PSE&G Salem Unit 1 Containment:

a. Containment Net Free Volume: 2.62×10^6 cu. ft.
b. Normal Operating Pressure: Between -1.5 and +0.3 psig.
c. Calculated Accident Peak Pressure: 47 psig.
d. Maximum Operating Temperature: 120° F average.
e. Calculated Accident Peak Temperature: 271° F.

5.2 A computer printout of the data obtained during the stabilization are shown in Attachment 3.

5.3 Data obtained during the 24 hour test is indexed and tabulated in Attachment 4. The test started on August 11, 1984, at 2300 hours and was completed August 12, 1984, at 2300 hours.

5.4 The development of the mass step change instrument verification and the data are given in Attachment 5.

5.5 The levels of all liquid containing vessels in containment were recorded prior to the test and immediately after completion of the test. The only measurable level changes were:

Vessel	Pre Test	Post Test	Volume in cu. ft.
Pressurizer	71%	65%	Down 60 cu. ft.
RCDT	16%	100%	Up 37 cu. ft.
Accumulator #13	72%	77%	Up 15 cu. ft.
Containment Sump	1' 9"	2' 9"	Up 45 cu. ft.
Total Net Volume Change			Up 37 cu. ft.

There was little differential in the reactor coolant inventory in the reactor coolant system. The slight increase in the containment sump level can be attributed to some leakage of reactor coolant and some additional drainage, during depressurization, from those systems that were drained and vented for the test.

5.6 The following penetrations were not in the proper line-up required during containment isolation, therefore, a Type C (LLRT) penalty is required to be added to the Type A test results.

Penetration	Isolation Valves	Leakage SCCM
61	1SA268-270	0
61A	1SA265-267	0
61B	1SA262-264	0
66A	1WL190-1SF36	0
66	1WL191-1SF22	0
22A	1WR80-81	0
18	1SS33-104	15
37	1CV116-284	0
45	1WL16 - 17	182
	TOTAL	197 SCCM

5.7 Summary of the CILRT results at 48.5 psig (PAC 47.0).

a. The total Type "B" and Type "C" local leak rate per latest surveillance
29521.7 SCCM = 0.1365 L_a
Maximum Allowable is 0.6 L_a

b. The calculated leak rate was 0.033% or 0.33 L_a. (Attachment 4, page 2)

c. The calculated leak rate at 95% Confidence level (Attach. 4, page 2) 0.041 %
Water Level Correction Section 5.5 0.000014%
Type "C" Correction to be added Sec. 5.6 0.000091%
The Total Reportable Leakage is 0.041105%
or 0.41105L_a

Technical Specification (4.6.1.2) Acceptance Criteria .75L_a.

5.8 Instrument Verification Test

The mass step change method was used for the instrument verification test a total of 2562.5 cu. ft. of air was released through a precision gas meter over an one hour period.

Calculated mass verification instrumentation	807	LBM
Calculated mass CILRT instrumentation	700.3	LBM
Differential	106.7	LBM

The differential must be less than 0.25 L_a or 206.25 LBM.

CONCLUSION

All test results are within the required criteria.

Leakage Rate Computations

The formula for measured leakage rate is:

$$LR = (2400/H)\ \ 1-(T_o\ (P_1-P_{v1})/T_1\ (P_o-P_{vo}))$$

Where,

LR	=	Measured leak rate in weight percent per day
H	=	Time interval in hours, from time "0"
T_o, T_1	=	Mean absolute temperature, ^oR, of the containment atmosphere at the beginning and the end of the test interval (H) respectively.
P_o, P_1	=	Mean total absolute pressure, psia, of the containment at the beginning and end of the test interval (H) respectively.
P_{vo}, P_{v1}	=	Mean total water vapor pressure, psia, of the containment atmosphere at the beginning and the end of the test interval (H) respectively.

The formula for mass is as follows:

$W_n = 144\ (P_n - P_{vn})V/RT_n$

Where,

W_n	=	Mass of air in the containment structure at time n (lb)
V	=	Total free volume of the containment structure (cu. ft.)
R	= =	Gas constant 53.35 ft. lbf/lbm °F
T_n	=	Mean total absolute pressure psia, of the containment atmosphere at time interval n
P_{vn}	=	Mean total water vapor pressure, psia, of the containment atmosphere at time interval n
P_n	=	Mean total absolute pressure (psia) of the containment atmosphere at time interval n

Calculated Leakage Rate

Since it is assumed that the leakage rate is constant during the testing period, a plot of the Measured Mass versus Time would ideally yield a straight line. Obviously, sampling techniques and test conditions are not perfect and consequently the values of measured mass deviate from the ideal straight line plot situation.

The method of Least Squares was the statistical method used for determining the "best fit" straight line, commonly called a regression line. The function of the least squares fit is to minimize the sum of the deviations between the measured and calculated mass points.

After establishing the regression line, the values of Calculated Mass and Calculated Leak Rate can be determined. The regression line equation for the Least Squares "best fit" straight line is:

$$Y = AX + B$$

Where,

Y = Calculated Mass

X = Time interval of test

therefore, the calculated mass at some specific time (X) is expressed as:

$$Y_N = AX_N + B$$

The deviation of the measured mass (W) from the calculated mass (Y) is:

$$\text{Deviation} = W_N - Y_N$$

As mentioned previously, the minimization of the sum of the squares between the regression line (calculated mass) and the measured mass will yield the following equation:

$$SSQ = \Sigma(W_N - Y_N)^2$$

where SSQ is the sum of the squares of the deviations and therefore can be written:

$$SSQ = \Sigma W_N - (AX_N + B)^2$$

By the use of differential calculus the values for A and B that will minimize SSQ can be determined. The value for B will be the Y intercept and A will be the slope of the regression line. These values of A and B constitute the solutions to the following pair of simultaneous linear questions:

$$A = (X_N - \overline{X}) \quad (W_N - \overline{W})/(X_N - X)^2$$

$$A = [N \Sigma X_N W_N - (\Sigma X_N)(\Sigma W_N)]/[N\Sigma X_N^2 - (\Sigma X_N)^2]$$

and $B = \bar{W} - A\bar{X}$

Where, $\bar{W} = \Sigma W_N/N$

$\bar{X} = \Sigma X_N/N$

and $N = 2\bar{X}$

By substitution

$$B = [(\Sigma W_N)(\Sigma X_N^2) - (\Sigma X_N)(\Sigma X_N W_N)]/[N\Sigma X_N^2 - (\Sigma X_N)^2]$$

These equations are shown as the Least Square Equations and are used in a computer program to calculate mass for the mass point method of leakage rate computations.

Confidence Limits

Even though the regression line is statistically determined to minimize the sum of the squares of error, the values of the calculated mass cannot be considered to be exactly correct. If the containment integrated leak rate test were run a number of times, and under similar conditions, the values for calculated mass would be close in value but would not be the same for each run.

Therefore by using other statistical methods, a degree of confidence which is related to the regression can be determined. The method that was used to establish the confidence parameters is the student's "t" distribution. The limits to be used are 95% as specified in ANS N274. To determine the value of the confidence limits the following statistical information is required: The variance, standard deviation, and student's "t" distribution.

The procedure used to establish the 95% confidence limits was to find the variance by dividing the SSQ by N-2 which is the degrees of freedom.

$$\sigma^2 = \frac{SSQ}{N-2}$$

The standard deviation was then found by taking the square root of both sides of the equation.

$$\sigma = [SSQ/(N-2)]^{1/2}$$

The standard deviation has more practical significance because it returns the measure of variability to the original units of measurement and that given a normal distribution of measurements, approximately 95% of the measurements will fall within two (2) standard deviations of the mean. However, because we are dealing with a regression analysis an additional factor must be used for determining the standard deviation of the slope of the line.

$$\sigma = \frac{\sigma}{\left[\Sigma X_N^2 - (\Sigma X_N)^2/N\right]^{1/2}}$$

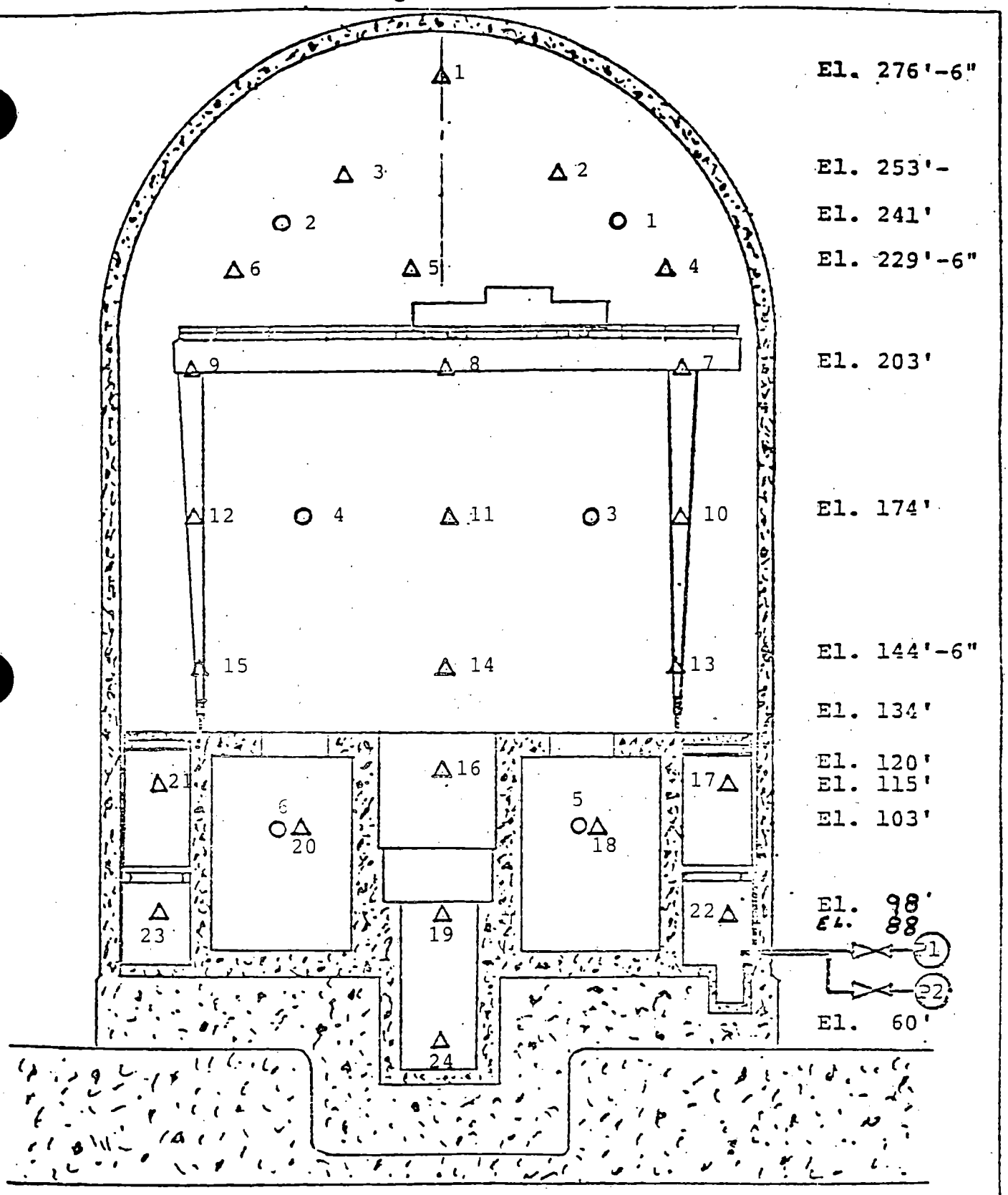
and because of the small sample size the number of standard deviations either side of the regression line to establish a 95% confidence interval are more accurately determined by using a student's "t" distribution.

$$t = 1.95996 + \frac{2.37226}{N-2} + \frac{2.8225}{(N-2)^2}$$

from which the confidence limits are obtained by

$$C.L. = t_{.95}\,\sigma$$

which were added to and subtracted from the various calculated mass points obtained from the regression analysis to determine the upper and lower confidence limits.



△ RTD Location

○ Dew Point Sensor Location

INSTRUMENTATION LOCATION
SALEM - CONTAINMENT ILRT
PUBLIC SERVICE ELECTRIC and GAS CO.

8/11/84

PSE&G RESEARCH CORP.
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Salem Generating Station
Weighting Factor Printout

Reading Number 1

Temperature Sensor Weighting Factors

1	4.060000	2	5.121000	3	5.121000	4	4.372000
5	4.372000	6	4.372000	7	5.745000	8	5.745000
9	5.745000	10	5.745000	11	5.745000	12	5.745000
13	5.745000	14	5.745000	15	5.745000	16	1.027000
17	2.724000	18	3.767000	19	1.027000	20	3.767000
21	2.724000	22	2.407000	23	2.407000	24	1.027000

Pressure Sensor Weighting Factors

PI-1 50 PI-2 50

Dew Point Sensor Weighting Factors

1	13.709000	2	13.709000	3	35.852000
4	25.852000	5	10.439000	6	10.439000

CALIBRATION CHECK

Pressure Standard psia	Quartz Manometer Pre ILRT P1 psia	Pre ILRT P2 psia	Pressure Standard psia	Post ILRT P1 psia	Post ILRT P2 psia
26.322	26.323	26.324	25.015	25.006	25.000
35.022	35.027	35.010	35.017	35.011	34.991
45.023	45.009	45.039	45.006	45.010	45.012
55.008	54.995	55.007	55.002	54.977	54.993
65.149	65.143	65.122	65.010	65.001	64.980
75.035	75.066	75.035	75.033	75.053	75.021

Pre ILRT Calibration Check 7-31-84

Post ILRT Calibration Check 8-13-84

Standard Pressure Gage Texas Instruments

PS. No. 5637 S/N 2686

Calibration Date 4-23-84

CALIBRATION CHECK

RTD No.	Channel No.	RTD Sensors			
		Pre ILRT		Post ILRT	
		Volumetric °F	Standard °F	Volumetric °F	Standard °F
1	10	82.47	82.51	82.63	82.89
2	11	82.42	83.20	82.33	82.68
3	12	82.68	81.84	82.60	83.61
4	13	82.47	83.20	82.37	82.54
5	14	83.21	83.28	83.01	82.91
6	15	82.35	83.38	82.72	82.15
7	16	83.24	83.07	83.13	82.68
8	17	83.01	83.13	83.07	83.81
9	18	83.02	82.73	82.91	82.46
10	19	83.06	83.26	82.93	82.80
11	20	83.35	82.77	83.60	83.53
12	21	83.00	83.43	82.85	82.64
13	22	83.28	82.98	82.90	82.90
14	23	82.74	83.34	83.02	83.63
15	24	83.17	82.98	83.17	82.92
16	25	82.93	83.63	83.05	83.74
17	26	83.12	82.78	82.40	81.78
18	27	83.80	83.63	84.61	84.78
19	28	82.69	82.60	82.96	82.82
20	29	83.51	83.40	83.69	83.37
21	30	83.10	82.85	83.26	82.38
22	31	83.40	83.00	82.41	82.68
23	32	82.42	82.05	82.19	82.19
24	33	83.20	83.03	83.34	82.82

Pre ILRT Calibration Check 8-9-84

Post ILRT Calibration Check 8-13-84

Type T thermocouple special $\pm$ 0.75°F

Calibration Date 6-26-84

CALIBRATION CHECK

Sensor No.	Channel No.	Dew Point Sensors			
		Pre ILRT		Post ILRT	
		Volumetric °C	Standard °C	Volumetric °C	Standard °C
1	34	23.5	21.9	5.1	6.5
2	35	23.6	22.1	5.7	6.6
3	36	23.6	22.3	5.3	6.4
4	37	23.2	22.3	5.4	6.3
5	38	23.6	22.4	5.6	6.6
6	39	23.5	22.3	5.3	6.4

Pre ILRT Calibration Check 8-7-84

Post ILRT Calibration Check 8-13-84

Standard EG&G Model 660 S/N 0432

Calibration Date 4-27-84

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RESEARCH & TESTING LABORATORY

Instrumentation Selection Guide (ISG)

Instrument Parameter	Sensitivity Error	Number Sensor	Measurement Error	Error
Pressure (% FS)	0.001	2	0.0010	0.00100
Dew Point Temp-F	0.100	6	0.0030	0.00037
RTD'S-F	0.010	24	0.0040	0.00219

Test Hours 24.00

Instrumentation Selection Guide (ISG) %/Day 0.0025

SALEM GEN. STA.
TEMPERATURE STABILITY

STARTING DAY 224

TEST STARTING TIME 17/40

TIME t Hours	TEMP T Deg F	AVG TEMP DIFF FOR LAST 3 HRS	AVG TEMP DIFF FOR LAST HR	DIFF AVG TEMP DIFF COL3-COL4
0.00	84.80			
0.25	84.41			
0.50	84.25			
0.75	84.10			
1.00	84.02			
1.25	84.01			
1.50	83.96			
1.75	83.93			
2.00	83.87			
2.25	83.79			
2.50	83.73			
2.75	83.69			
3.00	83.65	-0.38	-0.03	-0.34
3.25	83.59	-0.27	-0.06	-0.20
3.50	83.54	-0.23	-0.05	-0.18
3.75	83.48	-0.20	-0.05	-0.15
4.00	83.44	-0.19	-0.04	-0.15

SALEM GEN ST
INTEGRATED LEAK RATE TEST
STABILITY DATA

TEST [redacted]RTING DAY 224 — TEST STARTING TIME 17/40

READ TIME (Hrs)	REAL TIME (Hr/Min)	JULIAN DAY	AMBIENT TEMP (Deg F)	AMBIENT PRESS (Psia)	AVG TEMP (Deg F)	AVG DEW PT TEMP (Deg F)	AVG VAPOR PRESSURE (Psia)	AVG CONTMT PRESSURE (Psia)	CONT MASS (Lbm)
0.00	17 40	224	74.85	14.557	84.80	72.48	0.394	63.490	819454.6
0.25	17 55	224	75.76	14.551	84.41	72.37	0.393	63.537	820675.3
0.50	18 10	224	74.85	14.550	84.25	72.37	0.393	63.536	820907.1
0.75	18 25	224	75.47	14.551	84.10	72.36	0.393	63.524	820980.7
1.00	18 40	224	74.45	14.544	84.02	72.32	0.392	63.507	820874.6
1.25	18 55	224	76.31	14.554	84.01	72.30	0.392	63.502	820830.6
1.50	19 10	224	77.93	14.550	83.97	72.33	0.392	63.495	820818.0
1.75	19 25	224	76.87	14.547	83.93	72.32	0.392	63.491	820809.8
2.00	19 40	224	76.89	14.549	83.87	72.33	0.392	63.487	820840.1
2.25	19 55	224	77.17	14.552	83.79	72.33	0.392	63.476	820822.8
2.50	20 10	224	77.59	14.553	83.73	72.31	0.392	63.471	820863.5
2.75	20 25	224	78.04	14.554	83.69	72.31	0.392	63.466	820848.1
3.00	20 40	224	78.24	14.556	83.65	72.29	0.392	63.460	820832.9
3.25	20 55	224	79.29	14.554	83.59	72.26	0.391	63.453	820839.5
3.50	21 10	224	79.16	14.551	83.54	72.25	0.391	63.445	820819.9
3.75	21 25	224	79.06	14.553	83.48	72.30	0.392	63.438	820808.8
4.00	21 40	224	79.01	14.556	83.44	72.26	0.391	63.430	820769.2

Attachment 3
Page 2 of 4

SALEM GEN STA
INTEGRATED LEAK RATE TEST
STABILITY DATA

TEST ST[redacted]C DAY 224

TEST STARTING TIME 17/40

READ TIME	REL TIME & DAY	AMBIENT TEMP & PRESS	PRESS SENS PI-1 PI-2	TEMPERATURE SENSORS (RTD) 1 2 3 4 5 6 7 8 / 9 10 11 12 13 14 15 16 / 17 18 19 20 21 22 23 24	DEW CELL SENSORS 1 2 3 / 4 5 6
0.00	17 40 224	74.856 14.557	63.477 63.503	84.397 84.535 84.678 84.641 85.450 84.904 85.448 84.993 85.023 85.121 85.023 85.098 84.342 84.590 84.928 84.794 84.010 84.818 84.626 84.639 84.690 84.508 84.170 84.301	72.730 72.876 72.442 72.253 72.498 72.289
0.25	17 55 224	75.765 14.551	63.525 63.550	83.906 83.886 83.984 84.049 85.048 84.264 84.918 84.522 84.522 84.620 84.673 84.566 84.242 84.291 84.556 84.474 84.000 84.708 84.316 [illegible] 84.551 84.439 84.071 84.201	72.509 72.750 72.394 72.153 72.298 72.295
0.50	18 10 224	74.859 14.550	63.524 63.548	83.756 83.646 83.834 83.759 84.687 83.963 84.698 84.231 84.312 84.389 84.472 84.305 84.192 84.121 84.606 84.274 84.000 84.758 84.146 84.589 84.482 84.369 84.021 84.122	72.536 72.675 72.444 72.228 72.322 72.048
0.75	18 25 224	75.471 14.551	63.511 63.537	83.586 83.486 83.673 83.558 84.386 83.803 84.478 84.081 84.142 84.219 84.322 84.085 84.172 83.981 84.415 84.143 83.931 84.650 84.016 84.559 84.383 84.309 83.931 84.042	72.473 72.640 72.448 72.153 72.419 72.140
1.00	18 40 224	74.450 14.544	63.494 63.519	83.516 83.436 83.552 83.438 84.215 83.683 84.338 84.010 84.162 84.149 84.252 84.064 84.122 83.941 84.224 84.053 83.901 84.638 83.936 84.549 84.353 84.269 83.911 84.002	72.525 72.545 72.311 72.165 72.293 72.250
1.25	18 55 224	76.312 14.554	63.489 63.514	83.526 83.356 83.512 83.488 84.366 83.683 84.328 84.000 84.112 84.149 84.272 83.994 84.142 83.951 84.103 84.063 83.891 84.638 83.946 84.539 84.353 84.229 83.881 83.992	72.352 72.534 72.381 72.115 72.334 72.169
1.50	19 10 224	77.931 14.550	63.482 63.508	83.476 83.356 83.482 83.408 84.165 83.653 84.248 83.930 84.042 84.048 84.172 83.944 84.112 83.871 84.184 84.003 83.841 84.608 83.876 84.549 84.303 84.200 83.881 83.982	72.433 72.543 72.376 72.167 72.311 72.266
1.75	19 25 224	76.879 14.547	63.478 63.503	83.436 83.286 83.462 83.358 84.185 83.633 84.208 83.890 83.981 83.998 84.162 83.924 84.052 83.832 84.154 83.943 83.821 84.628 83.866 84.539 84.294 84.170 83.841 83.932	72.487 72.541 72.347 72.147 72.388 72.104
2.00	19 40 224	76.896 14.549	63.474 63.499	83.376 83.166 83.361 83.298 84.225 83.533 84.128 83.830 83.911 83.978 84.102 83.824 84.042 83.762 84.134 83.903 83.791 84.558 83.786 84.539 84.244 84.130 83.781 83.883	72.441 72.653 72.480 72.131 72.288 71.956
2.25	19 55 224	77.171 14.552	63.463 63.489	83.236 83.126 83.261 83.248 83.954 83.473 84.128 83.740 83.771 83.888 84.021 83.764 83.981 83.672 84.033 83.793 83.731 84.568 83.686 84.519 84.185 84.090 83.722 83.823	72.509 72.653 72.428 72.124 72.239 72.050
2.50	20 10 224	77.597 14.553	63.458 63.484	83.196 83.016 83.190 83.138 83.834 83.373 83.998 83.689 83.771 83.818 83.951 83.673 83.901 83.612 84.013 83.733 83.681 84.477 83.636 84.489 84.135 84.050 83.722 83.773	72.403 72.687 72.388 72.117 72.334 71.974
2.75	20 25 224	78.043 14.554	63.453 63.479	83.176 82.986 83.170 83.088 83.824 83.353 84.008 83.649 83.671 83.778 83.931 83.643 83.911 83.592 83.842 83.723 83.661 84.467 83.626 84.499 84.135 84.010 83.672 83.773	72.390 72.640 72.486 72.005 72.291 72.113

PSE&G RESEARCH C[illegible]
RESEARCH & TESTING LA[illegible]ORY
SALEM GEN ST[illegible]
INTEGRATED LEAK RATE TEST
STABILITY DATA

DATE 8/13/1984

TEST STARTING DAY 224

TEST STARTING TIME 17/40

READ TIME	REAL TIME & DAY	AMBIENT TEMP & PRESS	PRESS SENS PI-1 PI-2	TEMPERATURE SENSORS (RTD'S) 1 2 3 4 5 6 7 8 / 9 10 11 12 13 14 15 16 / 17 18 19 20 21 22 23 24	DEW CELL SENSORS 1 2 3 / 4 5 6
3.00	20 40 224	78.241 14.556	63.448 63.472	83.106 82.967 83.130 83.057 83.844 83.293 83.888 83.599 83.681 83.718 83.891 83.603 83.861 83.542 83.862 83.653 83.621 84.447 83.576 84.459 84.066 84.000 83.612 83.723	72.538 72.619 72.304 72.030 72.367 72.066
3.25	20 55 224	79.299 14.554	63.441 63.464	83.026 82.867 83.030 83.007 83.803 83.243 83.868 83.539 83.561 83.668 83.011 83.573 83.791 83.472 83.741 83.593 83.591 84.367 83.406 84.409 84.016 83.941 83.562 83.653	72.405 72.592 72.313 72.100 72.248 71.913
3.50	21 10 224	79.165 14.551	63.433 63.457	83.026 82.827 83.050 82.927 83.693 83.163 83.818 83.479 83.490 83.578 83.751 83.493 83.731 83.422 83.731 83.553 83.531 84.297 83.456 84.439 83.986 83.901 83.522 83.624	72.446 72.561 72.394 71.978 72.264 71.971
3.75	21 25 224	79.064 14.553	63.427 63.450	82.935 82.747 82.929 82.897 83.653 83.133 83.768 83.409 83.430 83.568 83.691 83.412 83.661 83.363 83.701 83.493 83.501 84.277 83.396 84.389 83.927 83.861 83.502 83.604	72.471 72.502 72.433 72.079 72.282 72.117
4.00	21 40 224	79.013 14.556	63.419 63.441	82.855 82.717 82.909 82.817 83.552 83.083 83.708 83.378 83.420 83.497 83.661 83.372 83.641 83.303 83.651 83.453 83.462 84.267 83.346 84.399 83.917 83.811 83.452 83.554	72.282 72.509 72.361 72.154 72.174 72.045

Attachment 3
Page 4 of 4

Attachment 4

Index of CILRT Test Data

TESTING LABOR RY

DATE 8/12/1984

SALEM GEN. STA.
INTEGRATED LEAKAGE RATE

STARTING DAY 224

TEST STARTING TIME 23 : 0

READ TIME (Hrs)	REAL TIME (Hr/Mn)	AMBIENT TEMP (DegF)	AMBIENT PRESS (Psia)	AVG CONT TEMP (DegF)	AVG DEW PT TEMP (DegF)	AVG VAPOR PRESS (Psia)	AVG CONT PRESS (Psia)	CONT MASS (Lbm)	CALC LEAK RATE (Lbm/Hr)	CALC LEAK RATE (%/Day)	95 % CONFIDENCE LEVEL (Lbm/Hr)	95 % CONFIDENCE LEVEL (%/Day)	CALC INITIAL MASS (Lbm)
0.00	23 0	79.53	14.56	83.260	72.254	0.391	63.403	820695.0					
0.25	23 15	79.61	14.56	83.226	72.259	0.391	63.403	820752.3					
0.50	23 30	79.59	14.57	83.209	72.273	0.392	63.403	820774.6					
0.75	23 45	79.34	14.57	83.201	72.183	0.390	63.402	820789.3					
1.00	0 0	79.57	14.58	83.210	72.223	0.391	63.400	820735.7					
1.25	0 15	79.33	14.58	83.192	72.228	0.391	63.398	820743.2					
1.50	0 30	79.37	14.59	83.185	72.247	0.391	63.399	820756.8					
1.75	0 45	78.98	14.58	83.134	72.241	0.391	63.396	820802.8					
2.00	1 0	78.95	14.58	83.073	72.165	0.390	63.384	820751.4					
2.25	1 15	79.81	14.58	83.058	72.220	0.391	63.376	820659.0					
2.50	1 30	80.14	14.57	83.074	72.146	0.390	63.373	820602.3					
2.75	1 45	79.24	14.56	83.080	72.188	0.390	63.375	820612.2					
3.00	2 0	79.59	14.56	83.070	72.277	0.392	63.376	820624.3	-62.826	0.183	-97.569	0.285	820819.1
3.25	2 15	79.05	14.56	83.064	72.231	0.391	63.376	820641.0	-59.383	0.173	-88.725	0.259	820815.1
3.50	2 30	78.73	14.55	83.045	72.266	0.391	63.376	820664.3	-52.864	0.154	-79.058	0.231	820806.9
3.75	2 45	77.92	14.56	83.042	72.217	0.391	63.377	820690.2	-44.717	0.130	-69.399	0.202	820796.1
4.00	3 0	78.31	14.57	83.062	72.209	0.391	63.377	820661.1	-40.843	0.119	-62.804	0.183	820790.6
4.25	3 15	78.29	14.57	83.074	72.183	0.390	63.382	820720.1	-32.756	0.095	-54.423	0.159	820778.4
4.50	3 30	77.26	14.57	83.073	72.288	0.392	63.384	820723.4	-26.272	0.076	-46.999	0.137	820768.2
4.75	3 45	76.95	14.58	83.070	72.190	0.390	63.379	820686.0	-23.580	0.068	-42.321	0.123	820763.7
5.00	4 0	77.18	14.58	83.068	72.257	0.391	63.378	820657.0	-22.939	0.067	-39.749	0.116	820762.6
5.25	4 15	76.98	14.58	83.061	72.198	0.391	63.378	820684.6	-20.733	0.060	-36.114	0.105	820758.5
5.50	4 30	77.91	14.59	83.064	72.237	0.391	63.378	820673.8	-19.343	0.056	-33.376	0.097	820755.9
5.75	4 45	78.42	14.59	83.066	72.251	0.391	63.378	820668.1	-18.321	0.053	-31.151	0.091	820753.8
6.00	5 0	78.12	14.59	83.079	72.270	0.392	63.379	820651.8	-18.005	0.052	-29.738	0.086	820753.2
6.25	5 15	77.90	14.59	83.086	72.234	0.391	63.379	820653.2	-17.540	0.051	-28.320	0.082	820752.2
6.50	5 30	78.10	14.59	83.078	72.333	0.392	63.379	820648.4	-17.191	0.050	-27.126	0.079	820751.4
6.75	5 45	77.68	14.59	83.059	72.248	0.391	63.379	820685.1	-15.610	0.045	-24.980	0.073	820747.7
7.00	6 0	77.32	14.59	83.028	72.202	0.391	63.378	820726.8	-12.998	0.038	-22.217	0.064	820741.4
7.25	6 15	78.17	14.59	82.982	72.248	0.391	63.375	820749.9	-10.162	0.029	-19.365	0.056	820734.3
7.50	6 30	78.55	14.60	82.958	72.241	0.391	63.371	820741.7	-8.003	0.023	-16.949	0.049	820728.7
7.75	6 45	78.37	14.60	82.941	72.294	0.392	63.366	820692.2	-7.386	0.021	-15.773	0.046	820727.1
8.00	7 0	78.44	14.60	82.930	72.195	0.391	63.364	820694.2	-6.789	0.019	-14.671	0.042	820725.4
8.25	7 15	79.62	14.60	82.907	72.185	0.390	63.360	820678.3	-6.599	0.019	-13.997	0.040	820724.9
8.50	7 30	79.12	14.60	82.892	72.303	0.392	63.357	820647.1	-7.037	0.020	-14.009	0.040	820726.1
8.75	7 45	78.71	14.60	82.872	72.304	0.392	63.356	820665.0	-7.029	0.020	-13.595	0.039	820726.1
9.00	8 0	80.09	14.60	82.861	72.261	0.391	63.356	820689.0	-6.557	0.019	-12.775	0.037	820724.7
9.25	8 15	79.91	14.60	82.852	72.258	0.391	63.355	820682.7	-6.239	0.018	-12.127	0.035	820723.7
9.50	8 30	80.36	14.61	83.029	72.271	0.392	63.362	820511.6	-8.713	0.025	-14.993	0.043	820731.7
9.75	8 45	80.46	14.60	82.977	72.320	0.392	63.371	820693.3	-7.996	0.023	-14.007	0.040	820729.3
10.00	9 0	81.71	14.60	82.901	72.233	0.391	63.364	820737.4	-6.707	0.019	-12.608	0.036	820724.9
10.25	9 15	81.37	14.61	82.952	72.291	0.392	63.358	820565.5	-7.971	0.023	-13.770	0.040	820729.3
10.50	9 30	82.51	14.61	82.979	72.314	0.392	63.359	820540.7	-9.365	0.027	-15.118	0.044	820734.3
10.75	9 45	81.93	14.61	83.018	72.263	0.391	63.369	820614.4	-9.610	0.028	-15.098	0.044	820735.2
11.00	10 0	83.00	14.61	83.045	72.295	0.392	63.370	820587.3	-10.121	0.029	-15.390	0.045	820737.1
11.25	10 15	82.74	14.61	82.976	72.263	0.391	63.369	820677.8	-9.488	0.027	-14.573	0.042	820734.7
11.50	10 30	83.75	14.61	82.964	72.306	0.392	63.367	820668.8	-9.009	0.026	-13.901	0.040	820732.8
11.75	10 45	83.88	14.61	82.927	72.240	0.391	63.361	820651.4	-8.749	0.025	-13.440	0.039	820731.8
12.00	11 0	84.53	14.60	82.916	72.275	0.392	63.360	820649.4	-8.519	0.024	-13.019	0.038	820730.9
12.25	11 15	84.01	14.60	82.917	72.241	0.391	63.360	820653.0	-8.259	0.024	-12.584	0.036	820729.8

F 2

DATE 8/12/1984

SALEM GEN. STA.
INTEGRATED LEAKAGE RAT[redacted]T

[redacted]T STARTING DAY 224

TEST STARTING TIME 23 : 0

READ TIME (Hrs)	REAL TIME (Hr/Mn)	AMBIENT TEMP (DegF)	AMBIENT PRESS (Psia)	AVG CONT TEMP (DegF)	AVG DEW PT TEMP (DegF)	AVG VAPOR PRESS (Psia)	AVG CONT PRESS (Psia)	CONT MASS (Lbm)	CALC LEAK RATE (Lbm/Hr)	CALC LEAK RATE (%/Day)	95 % CONFIDENCE LEVEL (Lbm/Hr)	95 % CONFIDENCE LEVEL (%/Day)	CALC INITIAL MASS (Lbm)
12.50	11 30	84.03	14.60	82.906	72.316	0.392	63.360	820656.5	-7.977	0.023	-12.139	0.035	820728.6
12.75	11 45	83.98	14.60	82.887	72.328	0.392	63.355	820618.7	-8.051	0.023	-12.049	0.035	820728.9
13.00	12 0	84.44	14.59	82.859	72.274	0.392	63.347	820564.8	-8.568	0.025	-12.457	0.036	820731.2
13.25	12 15	84.36	14.59	82.840	72.323	0.392	63.345	820558.8	-9.062	0.026	-12.845	0.037	820733.4
13.50	12 30	82.36	14.59	82.849	72.317	0.392	63.339	820474.1	-10.169	0.029	-14.030	0.041	820738.5
13.75	12 45	83.08	14.59	82.853	72.244	0.391	[illegible]	820520.1	-10.781	0.031	-14.567	0.042	820741.3
14.00	13 0	82.56	14.59	82.871	72.317	0.392	63.347	820545.5	-11.118	0.032	-14.788	0.043	820742.9
14.25	13 15	84.15	14.59	82.851	72.330	0.392	63.347	820566.9	-11.246	0.032	-14.788	0.043	820743.6
14.50	13 30	83.42	14.58	82.849	72.299	0.392	[illegible]	820529.[illegible]	-11.605	0.033	-15.049	0.044	820745.3
14.75	13 45	85.29	14.58	82.935	72.298	0.392	63.349	820471.2	-12.303	0.035	-15.725	0.045	820748.8
15.00	14 0	85.67	14.58	83.426	72.393	0.393	63.383	820165.0	-14.921	0.043	-19.403	0.056	820762.1
15.25	14 15	84.08	14.58	83.621	72.464	0.394	63.427	820432.8	-15.566	0.045	-19.964	0.058	820765.5
15.50	14 30	82.79	14.58	83.663	72.458	0.394	63.444	820592.4	-15.147	0.044	-19.429	0.056	820763.3
15.75	14 45	81.94	14.58	83.454	72.389	0.393	63.434	820783.1	-13.609	0.039	-18.118	0.052	820755.0
16.00	15 0	83.23	14.58	83.395	72.414	0.393	63.419	820672.1	-12.832	0.037	-17.289	0.050	820750.8
16.25	15 15	85.02	14.57	83.443	72.392	0.393	63.412	820518.5	-12.965	0.037	-17.287	0.050	820751.6
16.50	15 30	85.86	14.57	83.526	72.430	0.394	63.419	820471.2	-13.325	0.038	-17.535	0.051	820753.6
16.75	15 45	85.77	14.57	83.609	72.452	0.394	63.428	820460.0	-13.696	0.040	-17.801	0.052	820755.7
17.00	16 0	86.03	14.56	83.684	72.497	0.395	63.430	820365.3	-14.502	0.042	-18.592	0.054	820760.3
17.25	16 15	86.05	14.56	83.721	72.467	0.394	63.428	820288.8	-15.602	0.045	-19.770	0.057	820766.7
17.50	16 30	85.98	14.56	83.748	72.461	0.394	63.435	820346.4	-16.313	0.047	-20.444	0.059	820770.9
17.75	16 45	85.21	14.55	83.746	72.468	0.394	63.438	820381.7	-16.782	0.049	-20.830	0.060	820773.8
18.00	17 0	85.83	14.54	83.734	72.423	0.394	63.445	820498.1	-16.661	0.048	-20.598	0.060	820773.0
18.25	17 15	85.34	14.54	83.716	72.433	0.394	63.442	820490.7	-16.564	0.048	-20.395	0.059	820772.4
18.50	17 30	86.25	14.55	83.719	72.464	0.394	63.447	820540.6	-16.241	0.047	-19.986	0.058	820770.4
18.75	17 45	83.74	14.56	83.701	72.488	0.394	63.447	820562.7	-15.833	0.046	-19.507	0.057	820767.8
19.00	18 0	81.16	14.56	83.688	72.508	0.395	63.464	820794.5	-14.490	0.042	-18.386	0.053	820759.2
19.25	18 15	82.21	14.57	83.679	72.444	0.394	63.441	820532.5	-14.281	0.041	-18.083	0.052	820757.8
19.50	18 30	79.89	14.57	83.658	72.485	0.394	63.438	820510.8	-14.159	0.041	-17.865	0.052	820757.0
19.75	18 45	76.63	14.59	83.652	72.495	0.394	63.437	820511.6	-14.029	0.041	-17.643	0.051	820756.2
20.00	19 0	78.54	14.59	83.647	72.491	0.394	63.435	820494.4	-13.959	0.040	-17.483	0.051	820755.7
20.25	19 15	76.75	14.59	83.627	72.497	0.395	63.434	820510.4	-13.824	0.040	-17.264	0.050	820754.8
20.50	19 30	77.51	14.59	83.615	72.454	0.394	63.448	820711.7	-12.977	0.037	-16.471	0.048	820748.9
20.75	19 45	79.55	14.60	83.601	72.470	0.394	63.428	820475.8	-12.990	0.037	-16.399	0.047	820749.0
21.00	20 0	80.73	14.60	83.638	72.556	0.395	63.426	820378.7	-13.318	0.038	-16.666	0.048	820751.3
21.25	20 15	80.10	14.60	83.789	72.559	0.395	63.453	820490.0	-13.247	0.038	-16.517	0.048	820750.8
21.50	20 30	78.75	14.60	83.659	72.482	0.394	63.441	820555.5	-12.960	0.037	-16.170	0.047	820748.7
21.75	20 45	78.60	14.61	83.643	72.547	0.395	63.431	820430.8	-13.072	0.038	-16.211	0.047	820749.6
22.00	21 0	79.49	14.60	83.642	72.531	0.395	63.450	820690.4	-12.372	0.036	-15.543	0.045	820744.4
22.25	21 15	76.34	14.61	83.649	72.536	0.395	63.432	820443.4	-12.449	0.036	-15.549	0.045	820745.0
22.50	21 30	78.63	14.61	83.655	72.537	0.395	63.432	820427.7	-12.558	0.036	-15.591	0.045	820745.8
22.75	21 45	79.91	14.61	83.649	72.541	0.395	63.433	820456.0	-12.570	0.036	-15.536	0.045	820745.9
23.00	22 0	79.81	14.61	83.627	72.578	0.396	63.434	820489.0	-12.479	0.036	-15.382	0.044	820745.2
23.25	22 15	79.76	14.61	83.597	72.567	0.395	63.432	820510.3	-12.327	0.036	-15.173	0.044	820744.0
23.50	22 30	80.63	14.61	83.569	72.535	0.395	63.427	820499.7	-12.205	0.035	-14.993	0.043	820743.0
23.75	22 45	79.56	14.61	83.537	72.577	0.396	63.436	820657.9	-11.666	0.034	-14.464	0.042	820738.7
24.00	23 0	80.02	14.61	83.510	72.507	0.395	63.419	820488.4	-11.481	0.033	-14.179	0.041	820736.3

T & TESTING L ATORY
SALEM GEN S.
INTEGRATED LEAK R TEST
REGRESSION ANALYS TA

DATE 8/13/1984

TES ARTING DAY 224

TEST STARTING TIME 23/ 0

RE TIME	CALC LEAK RATE		CALC INITIAL AIR MASS	STD DEV OF MASS	STD DEV OF SLOPE	STUDENT-T DIST. VALUE	95% CONF. FIGURE	
Hours	Lbm/Hr	%/Day	Lbm	Lbm	Lbm/Hr		Lbm/Hr	%/Day
3.00	-62.826	0.1836	820819.1	46.67	15.61	2.225	-97.569	0.2852
3.25	-59.383	0.1736	820815.1	45.00	13.34	2.198	-88.725	0.2594
3.50	-52.864	0.1545	820806.9	45.36	12.03	2.177	-79.058	0.2311
3.75	-44.717	0.1307	820796.1	47.82	11.43	2.159	-69.399	0.2029
4.00	-40.843	0.1194	820790.6	47.22	10.24	2.143	-62.804	0.1836
4.25	-32.756	0.0957	820778.4	51.35	10.16	2.130	-54.423	0.1591
4.50	-26.272	0.0768	820768.2	[illegible]	9.78	2.119	-46.999	0.1374
4.75	-23.580	0.0689	820763.7	53.03	8.88	2.109	-42.321	0.1237
5.00	-22.939	0.0670	820762.6	51.59	8.00	2.100	-39.749	0.1162
5.25	-20.733	0.0606	820758.5	[illegible]	7.34	2.092	-36.114	0.1056
5.50	-19.343	0.0565	820755.9	50.05	6.72	2.085	-33.376	0.0975
5.75	-18.321	0.0535	820753.8	49.07	6.17	2.079	-31.151	0.0910
6.00	-18.005	0.0526	820753.2	47.96	5.65	2.073	-29.738	0.0869
6.25	-17.540	0.0512	820752.2	46.97	5.21	2.068	-28.320	0.0828
6.50	-17.191	0.0502	820751.4	46.02	4.81	2.063	-27.126	0.0793
6.75	-15.610	0.0456	820747.7	46.03	4.54	2.059	-24.980	0.0730
7.00	-12.998	0.0380	820741.4	47.93	4.48	2.055	-22.217	0.0649
7.25	-10.162	0.0297	820734.3	50.52	4.48	2.051	-19.365	0.0566
7.50	-8.003	0.0234	820728.7	51.76	4.36	2.048	-16.949	0.0495
7.75	-7.386	0.0215	820727.1	51.05	4.10	2.045	-15.773	0.0461
8.00	-6.789	0.0198	820725.4	50.39	3.85	2.042	-14.671	0.0429
8.25	-6.599	0.0192	820724.9	49.60	3.62	2.039	-13.997	0.0409
8.50	-7.037	0.0205	820726.1	48.95	3.42	2.036	-14.009	0.0409
8.75	-7.029	0.0205	820726.1	48.20	3.22	2.034	-13.595	0.0397
9.00	-6.557	0.0191	820724.7	47.68	3.06	2.032	-12.775	0.0373
9.25	-6.239	0.0182	820723.7	47.09	2.90	2.030	-12.127	0.0354
9.50	-8.713	0.0254	820731.7	52.33	3.09	2.028	-14.993	0.0438
9.75	-7.996	0.0233	820729.3	52.12	2.96	2.026	-14.007	0.0409
10.00	-6.707	0.0196	820724.9	53.20	2.91	2.024	-12.608	0.0368
10.25	-7.971	0.0233	820729.3	54.30	2.86	2.022	-13.770	0.0402
10.50	-9.365	0.0273	820734.3	55.90	2.84	2.021	-15.118	0.0442
10.75	-9.610	0.0281	820735.2	55.28	2.71	2.019	-15.098	0.0441
11.00	-10.121	0.0295	820737.1	54.97	2.61	2.018	-15.390	0.0450
11.25	-9.488	0.0277	820734.7	54.91	2.52	2.016	-14.573	0.0426
11.50	-9.009	0.0263	820732.8	54.64	2.42	2.015	-13.901	0.0406
11.75	-8.749	0.0255	820731.8	54.14	2.32	2.014	-13.440	0.0393
12.00	-8.519	0.0249	820730.9	53.64	2.23	2.012	-13.019	0.0380
12.25	-8.259	0.0241	820729.8	53.20	2.14	2.011	-12.584	0.0367
12.50	-7.977	0.0233	820728.6	52.81	2.07	2.010	-12.139	0.0354
12.75	-8.051	0.0235	820728.9	52.28	1.98	2.009	-12.049	0.0352
13.00	-8.568	0.0250	820731.2	52.38	1.93	2.008	-12.457	0.0364
13.25	-9.062	0.0264	820733.4	52.47	1.88	2.007	-12.845	0.0375
13.50	-10.169	0.0297	820738.5	55.09	1.92	2.006	-14.030	0.0410
13.75	-10.781	0.0315	820741.3	55.55	1.88	2.005	-14.567	0.0425
14.00	-11.118	0.0325	820742.9	55.35	1.83	2.004	-14.788	0.0432
14.25	-11.246	0.0328	820743.6	54.89	1.76	2.004	-14.788	0.0432
14.50	-11.605	0.0339	820745.3	54.80	1.71	2.003	-15.049	0.0440
14.75	-12.303	0.0359	820748.8	55.89	1.70	2.002	-15.725	0.0459
15.00	-14.921	0.0436	820762.1	75.09	2.23	2.001	-19.403	0.0567
15.25	-15.566	0.0455	820765.5	75.55	2.19	2.000	-19.964	0.0583
15.50	-15.147	0.0442	820763.3	75.40	2.14	2.000	-19.429	0.0568

PAGE

RESEARCH & TESTING LAB[illegible]TORY

DATE 8/13/1984

SALEM GEN STA

INTEGRATED LEAK RATE

TEST [illegible]NG DAY 224

REGRESSION ANALYSIS [illegible]

TEST STARTING TIME 23/ 0

READ TIME	CALC LEAK RATE		CALC INITIAL AIR MASS	STD DEV OF MASS	STD DEV OF SLOPE	STUDENT-T DIST. VALUE	95% CONF. FIGURE	
Hours	Lbm/Hr	%/Day	Lbm	Lbm	Lbm/Hr		Lbm/Hr	%/Day
15.75	-13.609	0.0397	820755.0	81.35	2.25	1.999	-18.118	0.0529
16.00	-12.832	0.0375	820750.8	82.38	2.22	1.998	-17.289	0.0505
16.25	-12.965	0.0379	820751.6	81.78	2.16	1.998	-17.287	0.0505
16.50	-13.325	0.0389	820753.6	81.53	2.10	1.997	-17.535	0.0512
16.75	-13.696	0.0400	820755.7	81.35	2.05	1.997	-17.801	0.0520
17.00	-14.502	0.0424	820760.3	[illegible]	2.04	1.996	-18.592	0.0543
17.25	-15.602	0.0456	820766.7	[illegible]	2.08	1.995	-19.770	0.0578
17.50	-16.313	0.0477	820770.9	87.47	2.06	1.995	-20.444	0.0597
17.75	-16.782	0.0490	820773.8	87.61	2.02	1.994	-20.830	0.0609
18.00	-16.661	0.0487	820773.0	87.04	1.97	1.994	-20.598	0.0602
18.25	-16.564	0.0484	820772.4	86.46	1.92	1.993	-20.395	0.0596
18.50	-16.241	0.0474	820770.4	86.28	1.87	1.993	-19.986	0.0584
18.75	-15.833	0.0463	820767.8	86.40	1.84	1.992	-19.507	0.0570
19.00	-14.490	0.0423	820759.2	93.48	1.95	1.992	-18.386	0.0537
19.25	-14.281	0.0417	820757.8	93.04	1.90	1.992	-18.083	0.0528
19.50	-14.159	0.0414	820757.0	92.49	1.86	1.991	-17.865	0.0522
19.75	-14.029	0.0410	820756.2	91.97	1.81	1.991	-17.643	0.0515
20.00	-13.959	0.0408	820755.7	91.40	1.77	1.990	-17.483	0.0511
20.25	-13.824	0.0404	820754.8	90.91	1.72	1.990	-17.264	0.0504
20.50	-12.977	0.0379	820748.9	94.07	1.75	1.990	-16.471	0.0481
20.75	-12.990	0.0379	820749.0	93.49	1.71	1.989	-16.399	0.0479
21.00	-13.318	0.0389	820751.3	93.51	1.68	1.989	-16.666	0.0487
21.25	-13.247	0.0387	820750.8	92.97	1.64	1.988	-16.517	0.0482
21.50	-12.960	0.0378	820748.7	92.91	1.61	1.988	-16.170	0.0472
21.75	-13.072	0.0382	820749.6	92.44	1.57	1.988	-16.211	0.0474
22.00	-12.372	0.0361	820744.4	95.00	1.59	1.987	-15.543	0.0454
22.25	-12.449	0.0364	820745.0	94.49	1.55	1.987	-15.549	0.0454
22.50	-12.558	0.0367	820745.8	94.03	1.52	1.987	-15.591	0.0455
22.75	-12.570	0.0367	820745.9	93.50	1.49	1.986	-15.536	0.0454
23.00	-12.479	0.0364	820745.2	93.04	1.46	1.986	-15.382	0.0449
23.25	-12.327	0.0360	820744.0	92.70	1.43	1.986	-15.173	0.0443
23.50	-12.205	0.0356	820743.0	92.31	1.40	1.986	-14.993	0.0438
23.75	-11.666	0.0341	820738.7	94.14	1.40	1.985	-14.464	0.0422
24.00	-11.481	0.0335	820736.3	93.69	1.35	1.985	-14.179	0.0414

TECHNOLOGY & TESTING LAB ATORY

SALEM GEN S

INTEGRATED LEAK RATE TEST

AVERAGE & MASS D

DATE 8/13/1984

TEST STARTING DAY 224

TEST STARTING TIME 23/ 0

REAL TIME (Hrs)	REAL TIME (Hr/Min)	JULIAN DATE	AMBIENT TEMP (DegF)	AMBIENT PRESS (Psia)	AVG CONTMT TEMP (DegF)	AVG CONTMT DEW PT (DegF)	CALC VAPOR PRESS (Psia)	AVG CONTMT PRESS (Psia)	CONTMT MASS (Lbm)	DIFF MASS (P-T-P) (Lbm)	DIFF MASS (TOT TIME) (Lbm)
0.00	23 0	224	79.531	14.561	83.260	72.254	0.391	63.403	820695.	0.0	0.0
0.25	23 15	224	79.619	14.565	83.226	72.259	0.391	63.403	820752.	57.2	57.2
0.50	23 30	224	79.591	14.571	83.209	72.273	0.392	63.403	820774.	22.3	79.6
0.75	23 45	224	79.343	14.578	83.201	72.183	0.390	63.402	820789.	14.6	94.3
1.00	0 0	225	79.570	14.582	83.210	72.223	0.391	63.400	820735.	-53.5	40.7
1.25	0 15	225	79.336	14.587	83.192	72.228	0.391	63.398	820743.	7.5	48.2
1.50	0 30	225	79.370	14.591	83.184	[illegible]	0.391	63.399	820756.	13.5	61.8
1.75	0 45	225	78.987	14.587	83.134	72.241	0.391	63.396	820802.	45.9	107.8
2.00	1 0	225	78.956	14.586	83.073	72.146	0.390	63.384	820751.	-51.4	56.3
2.25	1 15	225	79.819	14.580	83.058	[illegible]	0.391	63.376	820659.	-92.3	-36.0
2.50	1 30	225	80.142	14.572	83.074	72.146	0.390	63.373	820602.	-56.6	-92.6
2.75	1 45	225	79.249	14.563	83.080	72.188	0.390	63.375	820612.	9.8	-82.8
3.00	2 0	225	79.594	14.560	83.070	72.277	0.392	63.376	820624.	12.1	-70.6
3.25	2 15	225	79.050	14.561	83.064	72.231	0.391	63.376	820641.	16.6	-53.9
3.50	2 30	225	78.734	14.554	83.045	72.266	0.391	63.376	820664.	23.2	-30.7
3.75	2 45	225	77.924	14.565	83.042	72.217	0.391	63.377	820690.	25.8	-4.8
4.00	3 0	225	78.316	14.570	83.062	72.209	0.391	63.377	820661.	-29.0	-33.8
4.25	3 15	225	78.295	14.575	83.074	72.183	0.390	63.382	820720.	59.0	25.1
4.50	3 30	225	77.268	14.576	83.073	72.288	0.392	63.384	820723.	3.3	28.4
4.75	3 45	225	76.950	14.582	83.070	72.190	0.390	63.379	820686.	-37.4	-8.9
5.00	4 0	225	77.184	14.586	83.068	72.257	0.391	63.378	820657.	-29.0	-37.9
5.25	4 15	225	76.989	14.588	83.061	72.198	0.391	63.378	820684.	27.6	-10.3
5.50	4 30	225	77.914	14.592	83.064	72.237	0.391	63.378	820673.	-10.8	-21.1
5.75	4 45	225	78.429	14.592	83.066	72.251	0.391	63.378	820668.	-5.6	-26.8
6.00	5 0	225	78.127	14.593	83.079	72.270	0.392	63.379	820651.	-16.3	-43.1
6.25	5 15	225	77.906	14.594	83.086	72.234	0.391	63.379	820653.	1.4	-41.7
6.50	5 30	225	78.105	14.595	83.078	72.333	0.392	63.379	820648.	-4.8	-46.6
6.75	5 45	225	77.681	14.598	83.059	72.248	0.391	63.379	820685.	36.7	-9.8
7.00	6 0	225	77.321	14.599	83.038	72.202	0.391	63.378	820726.	41.6	31.7
7.25	6 15	225	78.176	14.599	82.982	72.248	0.391	63.375	820749.	23.1	54.9
7.50	6 30	225	78.559	14.602	82.958	72.241	0.391	63.371	820741.	-8.2	46.7
7.75	6 45	225	78.375	14.604	82.941	72.294	0.392	63.366	820692.	-49.5	-2.8
8.00	7 0	225	78.446	14.604	82.930	72.195	0.391	63.364	820694.	2.0	-0.7
8.25	7 15	225	79.623	14.602	82.907	72.185	0.390	63.360	820678.	-15.9	-16.7
8.50	7 30	225	79.121	14.606	82.892	72.303	0.392	63.357	820647.	-31.1	-47.9
8.75	7 45	225	78.712	14.602	82.872	72.304	0.392	63.356	820665.	17.9	-29.9
9.00	8 0	225	80.095	14.603	82.861	72.261	0.391	63.356	820689.	24.0	-5.9
9.25	8 15	225	79.916	14.606	82.852	72.258	0.391	63.355	820682.	-6.3	-12.3
9.50	8 30	225	80.364	14.611	83.029	72.271	0.392	63.362	820511.	-171.0	-183.3
9.75	8 45	225	80.465	14.606	82.977	72.320	0.392	63.371	820693.	181.6	-1.6
10.00	9 0	225	81.712	14.608	82.901	72.233	0.391	63.364	820737.	44.1	42.4
10.25	9 15	225	81.378	14.612	82.952	72.291	0.392	63.358	820565.	-171.9	-129.5
10.50	9 30	225	82.511	14.616	82.979	72.314	0.392	63.359	820540.	-24.7	-154.2
10.75	9 45	225	81.933	14.612	83.018	72.263	0.391	63.369	820614.	73.6	-80.5
11.00	10 0	225	83.006	14.617	83.045	72.295	0.392	63.370	820587.	-27.0	-107.6
11.25	10 15	225	82.742	14.617	82.976	72.263	0.391	63.369	820677.	90.5	-17.1
11.50	10 30	225	83.756	14.616	82.964	72.306	0.392	63.367	820668.	-9.0	-26.2
11.75	10 45	225	83.885	14.611	82.927	72.240	0.391	63.361	820651.	-17.3	-43.5
12.00	11 0	225	84.536	14.606	82.916	72.275	0.392	63.360	820649.	-2.0	-45.6
12.25	11 15	225	84.010	14.605	82.917	72.241	0.391	63.360	820653.	3.6	-41.9
12.50	11 30	225	84.832	14.605	82.906	72.316	0.392	63.360	820656.	3.4	-38.4

RESEARCH & TESTING LABOR[illegible]RY
SALEM GEN STA
INTEGRATED LEAK RATE [illegible]T
AVERAGE & MASS DAT[illegible]

DATE 8/13/1984

TEST S[illegible]NG DAY 224

TEST STARTING TIME 23/ 0

READ TIME (Hrs)	REAL TIME (Hr/Min)	JULIAN DATE	AMBIENT TEMP (DegF)	AMBIENT PRESS (Psia)	AVG CONTMT TEMP (DegF)	AVG CONTMT DEW PT (DegF)	CALC VAPOR PRESS (Psia)	AVG CONTMT PRESS (Psia)	CONTMT MASS (Lbm)	DIFF MASS (P-T-P) (Lbm)	DIFF MASS (TOT TIME) (Lbm)
12.75	11 45	225	83.988	14.605	82.887	72.328	0.392	63.355	820618.	-37.7	-76.2
13.00	12 0	225	84.449	14.599	82.859	72.274	0.392	63.347	820564.	-53.9	-130.2
13.25	12 15	225	84.368	14.597	82.840	72.323	0.392	63.345	820558.	-5.9	-136.1
13.50	12 30	225	82.368	14.597	82.849	72.317	0.392	63.339	820474.	-84.7	-220.9
13.75	12 45	225	83.089	14.596	82.853	72.244	0.391	63.342	820520.	46.0	-174.8
14.00	13 0	225	82.564	14.590	82.871	72.317	0.392	63.347	820545.	25.4	-149.4
14.25	13 15	225	84.156	14.590	82.851	[illegible]	0.392	63.347	820566.	21.3	-128.0
14.50	13 30	225	83.422	14.585	82.849	72.299	0.392	63.343	820529.	-37.6	-165.7
14.75	13 45	225	85.298	14.583	82.935	72.298	0.392	63.349	820471.	-57.9	-223.7
15.00	14 0	225	85.670	14.580	83.426	[illegible]	0.394	63.383	820165.	-306.2	-529.9
15.25	14 15	225	84.088	14.581	83.621	72.464	0.394	63.427	820432.	267.8	-262.1
15.50	14 30	225	82.790	14.585	83.663	72.458	0.394	63.444	820592.	159.5	-102.5
15.75	14 45	225	81.943	14.587	83.454	72.389	0.393	63.434	820783.	190.6	88.0
16.00	15 0	225	83.235	14.583	83.395	72.414	0.393	63.419	820672.	-111.0	-22.9
16.25	15 15	225	85.024	14.579	83.443	72.392	0.393	63.412	820518.	-153.5	-176.4
16.50	15 30	225	85.864	14.575	83.526	72.430	0.394	63.419	820471.	-47.2	-223.7
16.75	15 45	225	85.775	14.579	83.609	72.452	0.394	63.428	820460.	-11.2	-234.9
17.00	16 0	225	86.038	14.569	83.684	72.497	0.395	63.430	820365.	-94.7	-329.7
17.25	16 15	225	86.052	14.565	83.721	72.467	0.394	63.428	820288.	-76.4	-406.2
17.50	16 30	225	85.981	14.560	83.748	72.461	0.394	63.435	820346.	57.5	-348.6
17.75	16 45	225	85.218	14.553	83.746	72.468	0.394	63.438	820381.	35.3	-313.3
18.00	17 0	225	85.836	14.549	83.734	72.423	0.394	63.445	820498.	116.4	-196.8
18.25	17 15	225	85.347	14.547	83.716	72.433	0.394	63.442	820490.	-7.4	-204.3
18.50	17 30	225	86.257	14.553	83.719	72.464	0.394	63.447	820540.	49.9	-154.3
18.75	17 45	225	83.743	14.562	83.701	72.488	0.394	63.447	820562.	22.0	-132.2
19.00	18 0	225	81.169	14.569	83.688	72.508	0.395	63.464	820794.	231.8	99.5
19.25	18 15	225	82.217	14.573	83.679	72.444	0.394	63.441	820532.	-262.0	-162.4
19.50	18 30	225	79.895	14.578	83.658	72.485	0.394	63.438	820510.	-21.6	-184.1
19.75	18 45	225	76.634	14.590	83.652	72.495	0.394	63.437	820511.	0.8	-183.3
20.00	19 0	225	78.548	14.592	83.647	72.491	0.394	63.435	820494.	-17.2	-200.6
20.25	19 15	225	76.751	14.594	83.627	72.497	0.395	63.434	820510.	15.9	-184.6
20.50	19 30	225	77.510	14.598	83.615	72.454	0.394	63.448	820711.	201.2	16.6
20.75	19 45	225	79.553	14.605	83.601	72.470	0.394	63.428	820475.	-235.8	-219.1
21.00	20 0	225	80.736	14.604	83.638	72.556	0.395	63.426	820378.	-97.1	-316.2
21.25	20 15	225	80.108	14.607	83.789	72.559	0.395	63.453	820490.	111.2	-205.0
21.50	20 30	225	78.753	14.609	83.659	72.482	0.394	63.441	820555.	65.5	-139.5
21.75	20 45	225	78.609	14.611	83.643	72.547	0.395	63.431	820430.	-124.6	-264.1
22.00	21 0	225	79.495	14.606	83.642	72.531	0.395	63.450	820690.	259.5	-4.6
22.25	21 15	225	76.346	14.610	83.649	72.536	0.395	63.432	820443.	-246.9	-251.5
22.50	21 30	225	78.634	14.614	83.655	72.537	0.395	63.432	820427.	-15.7	-267.3
22.75	21 45	225	79.918	14.610	83.649	72.541	0.395	63.433	820456.	28.3	-238.9
23.00	22 0	225	79.812	14.613	83.627	72.578	0.396	63.434	820489.	33.0	-205.9
23.25	22 15	225	79.765	14.618	83.597	72.567	0.395	63.432	820510.	21.3	-184.6
23.50	22 30	225	80.635	14.619	83.569	72.535	0.395	63.427	820499.	-10.6	-195.2
23.75	22 45	225	79.569	14.618	83.537	72.577	0.396	63.436	820657.	158.2	-37.0
24.00	23 0	225	80.020	14.619	83.510	72.507	0.395	63.419	820488.	-169.5	-206.6

RESEARCH & TESTING LABORATORY
SALEM GEN STA.
INTEGRATED LEAK RATE TEST
SENSOR READINGS

DATE 8/13/1984

TEST [redacted] TING DAY 224

TEST STARTING TIME 23/ 0

READ TIME	REAL TIME & DAY	PRESS SENS PI-1 & PI-2	AMBIENT TEMP & PRESS	TEMPERATURE SENSORS (RTD'S) 1	2	3	4	5	6	7	8	DEW POINT SENSORS 1	2	3
				9	10	11	12	13	14	15	16	4	5	6
				17	18	19	20	21	22	23	24			
0.00	23 0	63.392	79.531	82.705	82.497	82.738	82.617	83.352	82.902	83.528	83.188	72.397	72.540	72.347
	224	63.414	14.561	83.210	83.327	83.460	83.122	83.470	83.113	83.450	83.263	72.086	72.228	71.906
				83.302	84.137	83.156	84.289	83.749	83.662	83.313	83.394			
0.25	23 15	63.392	79.619	82.675	82.457	82.708	82.607	83.322	82.862	83.448	83.148	72.354	72.550	72.351
	224	63.415	14.565	83.190	83.267	83.440	83.102	83.470	83.073	83.369	83.243	72.095	72.205	71.985
				83.292	84.077	83.1[illegible]	[illegible]	83.739	83.652	83.273	83.385			
0.50	23 30	63.392	79.591	82.665	82.447	82.658	[illegible]	83.342	82.872	83.448	83.148	72.376	72.554	72.280
	224	63.415	14.571	83.100	83.237	83.430	[illegible]	[illegible]	83.073	83.369	83.243	72.095	72.295	72.172
				83.242	84.037	83.156	84.279	83.719	83.612	83.293	83.365			
0.75	23 45	63.391	79.343	82.645	82.467	82.638	82.597	83.251	82.852	83.418	83.148	72.376	72.554	72.298
	224	63.414	14.578	83.140	83.227	83.440	83.142	83.430	83.053	83.349	83.243	71.958	72.127	71.773
				83.252	84.016	83.136	84.229	83.739	83.592	83.263	83.355			
1.00	0 0	63.388	79.570	82.665	82.457	82.678	82.556	83.281	82.852	83.429	83.158	72.435	72.471	72.228
	225	63.412	14.582	83.130	83.247	83.430	83.142	83.450	83.103	83.379	83.243	72.005	72.280	72.091
				83.252	84.026	83.136	84.229	83.729	83.582	83.273	83.385			
1.25	0 15	63.387	79.336	82.635	82.447	82.638	82.536	83.241	82.812	83.448	83.158	72.316	72.583	72.343
	225	63.410	14.587	83.140	83.217	83.440	83.142	83.410	83.073	83.329	83.243	71.985	72.176	72.012
				83.242	83.976	83.136	84.219	83.739	83.552	83.233	83.385			
1.50	0 30	63.387	79.370	82.645	82.417	82.698	82.577	83.281	82.822	83.418	83.118	72.360	72.511	72.270
	225	63.411	14.591	83.120	83.217	83.420	83.122	83.420	83.043	83.339	83.223	72.075	72.372	72.001
				83.242	83.976	83.156	84.189	83.719	83.562	83.253	83.365			
1.75	0 45	63.385	78.987	82.565	82.377	82.577	82.516	83.211	82.762	83.388	83.078	72.252	72.428	72.352
	225	63.408	14.587	83.070	83.187	83.360	83.041	83.340	82.983	83.319	83.163	72.086	72.264	72.072
				83.182	83.916	83.056	84.199	83.679	83.522	83.193	83.305			
2.00	1 0	63.372	78.956	82.505	82.297	82.507	82.436	83.141	82.702	83.368	82.997	72.399	72.509	72.201
	225	63.397	14.586	82.929	83.117	83.290	82.971	83.300	82.923	83.279	83.122	72.000	71.994	71.901
				83.132	83.896	83.016	84.149	83.649	83.472	83.173	83.255			
2.25	1 15	63.363	79.819	82.515	82.317	82.517	82.426	83.091	82.662	83.268	82.977	72.259	72.554	72.289
	225	63.390	14.580	82.999	83.087	83.260	82.961	83.300	82.913	83.248	83.082	72.000	72.156	72.169
				83.152	83.896	82.956	84.109	83.610	83.492	83.173	83.245			
2.50	1 30	63.360	80.142	82.555	82.337	82.547	82.446	83.131	82.722	83.238	83.027	72.343	72.496	72.207
	225	63.386	14.572	83.009	83.087	83.260	82.971	83.310	82.963	83.208	83.102	71.924	72.048	71.929
				83.182	83.956	82.996	84.069	83.600	83.512	83.163	83.295			
2.75	1 45	63.364	79.249	82.535	82.337	82.497	82.466	83.141	82.742	83.258	83.027	72.397	72.477	72.169
	225	63.386	14.563	83.040	83.107	83.280	83.001	83.300	82.973	83.208	83.092	72.028	72.367	71.794
				83.162	83.966	83.016	84.079	83.590	83.512	83.183	83.285			
3.00	2 0	63.365	79.594	82.525	82.317	82.527	82.446	83.141	82.692	83.248	83.007	72.450	72.532	72.405
	225	63.387	14.560	83.040	83.117	83.270	83.011	83.310	82.933	83.198	83.082	71.994	72.277	72.099
				83.172	83.946	83.026	84.049	83.580	83.502	83.143	83.275			

SALEM GEN S
INTEGRATED LEAK RATE TEST
SENSOR READING

TEST STARTING DAY 224 — TEST STARTING TIME 23/ 0

READ TIME	TIME & DAY	PRESS SENS PI-1 PI-2	AMBIENT TEMP & PRESS	TEMPERATURE SENSOR (RTD'S) 1	2	3	4	5	6	7	8	DEW POINT SENSORS 1	2	3
				9	10	11	12	13	14	15	16	4	5	6
				17	18	19	20	21	22	23	24			
3.25	2 15	63.365	79.050	82.515	82.297	82.517	82.456	83.111	82.712	83.288	82.987	72.354	72.570	72.320
	225	63.387	14.561	83.019	83.097	83.260	82.961	83.280	82.943	83.248	83.092	72.066	72.129	71.919
				83.162	83.946	82.986	84.039	83.590	83.492	83.143	83.265			
3.50	2 30	63.365	78.734	82.505	82.287	82.507	82.396	83.081	82.702	83.268	82.987	72.378	72.592	72.367
	225	63.387	14.554	82.979	83.077	83.290	82.981	83.270	82.903	83.188	83.072	72.050	72.190	72.050
				83.142	83.866	83.[illegible]	[illegible]	83.580	83.482	83.123	83.275			
3.75	2 45	63.367	77.924	82.505	82.277	82.527	82.416	83.111	82.652	83.278	82.977	72.361	72.534	72.306
	225	63.387	14.565	82.939	83.067	83.270	[illegible]	83.290	[illegible]	83.198	83.092	71.996	72.117	72.045
				83.112	83.866	82.986	84.029	83.600	83.482	83.133	83.275			
4.00	3 0	63.367	78.316	82.565	82.307	82.537	82.416	83.091	82.742	83.278	82.987	72.316	72.493	72.207
	225	63.387	14.570	82.969	83.077	83.300	82.961	83.280	82.953	83.279	83.102	72.059	72.176	72.109
				83.102	83.846	83.036	84.039	83.620	83.462	83.153	83.275			
4.25	3 15	63.371	78.295	82.575	82.317	82.577	82.426	83.071	82.732	83.288	82.997	72.370	72.511	72.201
	225	63.394	14.575	82.979	83.107	83.330	82.991	83.290	82.973	83.238	83.142	71.938	72.325	71.926
				83.112	83.916	83.046	84.009	83.630	83.462	83.163	83.305			
4.50	3 30	63.372	77.268	82.515	82.317	82.547	82.436	83.091	82.702	83.338	83.007	72.318	72.538	72.417
	225	63.396	14.576	83.009	83.107	83.310	82.981	83.290	82.953	83.248	83.142	72.027	72.343	72.190
				83.122	83.916	83.046	84.009	83.620	83.462	83.173	83.275			
4.75	3 45	63.367	76.950	82.545	82.327	82.577	82.426	83.111	82.682	83.268	82.987	72.322	72.495	72.270
	225	63.392	14.582	83.050	83.067	83.310	83.001	83.280	82.943	83.238	83.112	71.971	73.352	71.805
				83.122	83.936	83.016	84.000	83.640	83.453	83.163	83.275			
5.00	4 0	63.366	77.184	82.545	82.317	82.547	82.396	83.121	82.732	83.318	83.007	72.324	72.504	72.273
	225	63.390	14.586	82.999	83.097	83.300	82.941	83.290	82.953	83.238	83.112	72.081	72.349	72.156
				83.132	83.936	83.026	83.990	83.620	83.462	83.143	83.285			
5.25	4 15	63.366	78.989	82.505	82.307	82.537	82.406	83.111	82.692	83.298	82.957	72.351	72.459	72.252
	225	63.391	14.588	82.969	83.087	83.300	83.011	83.300	82.943	83.248	83.112	72.005	72.280	71.920
				83.112	83.956	83.016	83.970	83.610	83.453	83.143	83.295			
5.50	4 30	63.366	77.914	82.525	82.327	82.567	82.416	83.071	82.702	83.278	82.997	72.333	72.493	72.333
	225	63.391	14.592	82.959	83.117	83.290	82.971	83.300	82.953	83.248	83.122	72.063	72.268	71.946
				83.112	83.936	83.006	83.990	83.620	83.443	83.153	83.285			
5.75	4 45	63.366	78.429	82.515	82.317	82.547	82.456	83.071	82.682	83.258	82.987	72.297	72.558	72.338
	225	63.391	14.592	82.979	83.087	83.330	83.011	83.300	82.963	83.248	83.112	72.028	72.169	72.207
				83.122	83.906	83.036	83.980	83.630	83.472	83.163	83.305			
6.00	5 0	63.367	78.127	82.555	82.337	82.547	82.426	83.101	82.692	83.288	83.047	72.451	72.592	72.403
	225	63.391	14.593	83.040	83.107	83.320	83.001	83.280	82.973	83.248	83.122	72.012	72.109	72.081
				83.122	83.946	83.046	83.980	83.640	83.453	83.163	83.335			
6.25	5 15	63.368	77.906	82.545	82.357	82.557	82.426	83.091	82.742	83.348	83.068	72.378	72.459	72.250
	225	63.391	14.594	82.999	83.107	83.340	82.981	83.280	82.983	83.269	83.163	72.129	72.243	71.967
				83.112	83.936	83.046	83.970	83.649	83.462	83.203	83.305			

[illegible] & TESTING LABORATORY

SALEM GEN S[illegible]

INTEGRATED LEAK R[illegible] TEST

SENSOR READIN[illegible]

DATE 8/13/1984

TES[illegible]RTING DAY 224

TEST STARTING TIME 23/ 0

READ TIME	REAL TIME & DAY	PRESS SENS PI-1 PI-2	AMBIENT TEMP & PRESS	TEMPERATURE SENSORS (RTD'S) 1 2 3 4 5 6 7 8 / 9 10 11 12 13 14 15 16 / 17 18 19 20 21 22 23 24	DEW POINT SENSORS 1 2 3 / 4 5 6
6.50	5 30	63.368	78.105	82.535 82.357 82.537 82.436 83.121 82.732 83.308 83.007	72.441 72.619 72.394
	225	63.391	14.595	82.989 83.117 83.340 82.991 83.290 82.973 83.269 83.132	72.135 72.212 72.282
				83.112 83.096 83.056 83.970 83.659 83.462 83.143 83.315	
6.75	5 45	63.367	77.681	82.515 82.327 82.547 82.426 83.091 82.712 83.278 82.987	72.367 72.468 72.473
	225	63.391	14.598	82.969 83.097 83.300 82.991 83.270 82.943 83.218 83.112	71.935 72.171 72.099
				83.102 83.956 83.[illegible] 83.620 83.453 83.163 83.295	
7.00	6 0	63.366	77.321	82.465 82.257 82.477 [illegible] 83.061 [illegible] 83.268 82.977	72.327 72.513 72.225
	225	63.390	14.599	82.959 83.056 83.260 [illegible] 83.279 83.082	72.070 72.135 71.973
				83.102 83.876 82.966 83.930 83.600 83.433 83.103 83.235	
7.25	6 15	63.362	78.176	82.425 82.237 82.417 82.316 82.980 82.632 83.208 82.907	72.480 72.516 72.302
	225	63.388	14.599	82.869 83.036 83.220 82.931 83.210 82.873 83.148 83.022	71.989 72.304 72.043
				83.072 83.856 82.926 83.930 83.560 83.413 83.083 83.195	
7.50	6 30	63.358	78.559	82.375 82.187 82.397 82.286 82.960 82.582 83.168 82.887	72.345 72.439 72.426
	225	63.385	14.602	82.869 82.976 83.190 82.921 83.220 82.834 83.148 83.012	72.016 72.212 71.969
				83.022 83.876 82.916 83.890 83.540 83.403 83.083 83.195	
7.75	6 45	63.354	78.375	82.385 82.147 82.366 82.276 82.940 82.562 83.188 82.897	72.428 72.516 72.390
	225	63.379	14.604	82.969 82.956 83.170 82.861 83.190 82.914 83.138 83.012	72.037 72.289 72.232
				83.012 83.816 82.886 83.910 83.530 83.373 83.064 83.175	
8.00	7 0	63.352	78.446	82.355 82.187 82.376 82.296 82.950 82.562 83.138 82.827	72.298 72.491 72.169
	225	63.376	14.604	82.849 82.956 83.160 82.881 83.160 82.784 83.097 82.982	72.113 72.016 72.120
				83.022 83.836 82.866 83.900 83.511 83.373 83.044 83.155	
8.25	7 15	63.348	79.623	82.345 82.127 82.346 82.256 82.910 82.542 83.108 82.807	72.390 72.432 72.190
	225	63.372	14.602	82.869 82.926 83.150 82.801 83.170 82.784 83.128 82.952	72.081 72.189 71.832
				82.973 83.786 82.866 83.850 83.491 83.363 83.014 83.136	
8.50	7 30	63.345	79.121	82.355 82.127 82.346 82.256 82.880 82.542 83.098 82.787	72.354 72.534 72.385
	225	63.370	14.606	82.849 82.896 83.110 82.831 83.120 82.754 83.087 82.942	72.023 72.349 72.376
				82.983 83.786 82.826 83.850 83.471 83.353 83.024 83.126	
8.75	7 45	63.345	78.712	82.305 82.117 82.306 82.206 82.890 82.512 83.088 82.787	72.354 72.511 72.495
	225	63.368	14.602	82.809 82.806 83.120 82.811 83.090 82.724 83.087 82.902	72.075 72.255 72.113
				82.953 83.696 82.816 83.840 83.481 83.333 83.004 83.096	
9.00	8 0	63.345	80.095	82.295 82.087 82.286 82.196 82.870 82.512 83.078 82.807	72.316 72.523 72.401
	225	63.368	14.603	82.759 82.876 83.080 82.781 83.110 82.734 83.057 82.892	71.982 72.207 72.246
				82.973 83.726 82.806 83.830 83.441 83.343 82.994 83.116	
9.25	8 15	63.343	79.916	82.315 82.067 82.286 82.166 82.860 82.462 83.068 82.777	72.349 72.606 72.399
	225	63.367	14.606	82.779 82.886 83.100 82.771 83.100 82.734 83.027 82.902	72.072 72.268 71.789
				82.923 83.706 82.826 83.830 83.451 83.313 83.014 83.096	
9.50	8 30	63.351	80.364	82.565 82.267 82.547 82.346 83.010 82.652 83.198 82.977	72.397 72.469 72.358
	225	63.374	14.611	82.979 83.016 83.320 82.941 83.220 82.963 83.228 83.122	72.082 72.293 72.072
				83.062 83.856 83.016 83.850 83.649 83.413 83.153 83.325	

RESEARCH & TESTING L[illegible]ATORY
SALEM GEN S[illegible]
INTEGRATED LEAK R[illegible]EST
SENSOR READIN[illegible]

DATE 8/13/1984

TES[illegible]RTING DAY 224

TEST STARTING TIME 23/ 0

READ TIME	REAL TIME & DAY	PRESS SENS PI-1 PI-2	AMBIENT TEMP & PRESS	TEMPERATURE SENSORS (RTD'S) 1 2 3 4 5 6 7 8 / 9 10 11 12 13 14 15 16 / 17 18 19 20 21 22 23 24	DEW POINT SENSORS 1 2 3 / 4 5 6
9.75	8 45 225	63.360 63.382	80.465 14.606	82.425 82.267 82.437 82.326 82.960 82.612 83.228 82.937 82.919 83.016 83.240 82.861 83.200 82.844 83.138 83.022 83.002 83.866 82.926 83.870 83.540 83.373 83.064 83.225	72.414 72.666 72.432 72.118 72.262 72.023
10.00	9 0 225	63.352 63.377	81.712 14.608	82.375 82.117 82.366 82.246 82.900 82.532 83.108 82.837 82.799 82.926 83.140 82.811 83.140 82.774 83.128 82.972 82.983 83.736 82.[illegible] [illegible].930 83.521 83.353 83.024 83.145	72.342 72.541 72.316 72.072 72.163 71.946
10.25	9 15 225	63.346 63.370	81.378 14.612	82.445 82.157 82.417 82.266 82.960 82.572 83.128 82.897 82.889 82.966 83.220 82.861 83.100 82.864 83.158 83.012 83.032 83.776 82.926 83.830 83.570 83.393 83.113 83.215	72.403 72.594 72.390 72.127 72.135 72.064
10.50	9 30 225	63.347 63.372	82.511 14.616	82.455 82.237 82.417 82.336 82.980 82.612 83.208 82.897 82.899 82.996 83.260 82.911 83.200 82.873 83.158 83.042 83.032 83.856 82.936 83.820 83.570 83.393 83.093 83.235	72.448 72.523 72.334 72.147 72.268 72.270
10.75	9 45 225	63.358 63.380	81.933 14.612	82.515 82.257 82.507 82.346 82.990 82.642 83.208 82.947 82.949 83.046 83.280 82.921 83.250 82.943 83.218 83.102 83.062 83.876 83.016 83.840 83.620 83.413 83.183 83.285	72.376 72.518 72.304 72.041 72.295 72.198
11.00	10 0 225	63.360 63.381	83.006 14.617	82.505 82.307 82.517 82.386 83.030 82.672 83.258 82.987 82.999 83.077 83.320 82.981 83.240 82.933 83.228 83.092 83.082 83.946 83.026 83.870 83.630 83.443 83.153 83.305	72.480 72.615 72.347 72.057 72.257 72.129
11.25	10 15 225	63.357 63.381	82.742 14.617	82.435 82.217 82.427 82.306 83.010 82.622 83.228 82.927 82.849 82.996 83.250 82.901 83.200 82.854 83.178 83.042 83.032 83.826 82.936 83.830 83.570 83.393 83.093 83.245	72.316 72.520 72.349 72.133 72.167 72.061
11.50	10 30 225	63.356 63.379	83.756 14.616	82.405 82.217 82.386 82.306 82.980 82.642 83.228 82.867 82.879 82.986 83.200 82.881 83.210 82.824 83.148 83.012 83.022 83.886 82.936 83.810 83.560 83.423 83.093 83.215	72.468 72.615 72.261 72.090 72.309 72.331
11.75	10 45 225	63.348 63.374	83.885 14.611	82.405 82.177 82.386 82.266 82.930 82.602 83.168 82.847 82.849 82.936 83.160 82.801 83.150 82.814 83.087 82.962 83.032 83.826 82.876 83.810 83.511 83.403 83.064 83.185	72.383 72.586 72.226 72.041 72.050 72.318
12.00	11 0 225	63.348 63.372	84.536 14.606	82.385 82.147 82.376 82.286 82.890 82.522 83.088 82.837 82.899 82.946 83.130 82.861 83.160 82.794 83.077 82.952 83.022 83.806 82.846 83.820 83.471 83.393 83.044 83.185	72.437 72.568 72.322 72.099 72.190 72.084
12.25	11 15 225	63.348 63.372	84.010 14.605	82.385 82.157 82.376 82.246 82.900 82.522 83.158 82.847 82.849 82.946 83.130 82.841 83.150 82.814 83.087 82.932 83.022 83.796 82.846 83.810 83.491 83.393 83.093 83.165	72.376 72.534 72.406 72.041 72.057 71.947
12.50	11 30 225	63.348 63.372	84.832 14.605	82.345 82.157 82.346 82.256 82.920 82.562 83.088 82.827 82.829 82.916 83.130 82.831 83.150 82.804 83.077 82.932 83.042 83.796 82.846 83.810 83.491 83.383 83.044 83.155	72.451 72.561 72.414 72.077 72.307 72.176
12.75	11 45 225	63.343 63.367	83.988 14.605	82.355 82.147 82.336 82.206 82.880 82.492 83.098 82.817 82.849 82.906 83.100 82.841 83.120 82.764 83.047 82.892 83.032 83.746 82.816 83.780 83.461 83.363 83.034 83.145	72.468 72.550 72.471 72.059 72.329 72.160

RESEARCH & TESTING L[illegible] ATORY
SALEM GEN S[illegible]
INTEGRATED LEAK R[illegible] TEST
SENSOR READIN[illegible]

DATE 8/13/1984

TE[illegible]RTING DAY 224

TEST STARTING TIME 23/ 0

READ TIME	REAL TIME & DAY	PRESS SENS PI-1 PI-2	AMBIENT TEMP & PRESS	TEMPERATURE SENSORS (RTD'S) 1 2 3 4 5 6 7 8 / 9 10 11 12 13 14 15 16 / 17 18 19 20 21 22 23 24	DEW POINT SENSORS 1 2 3 / 4 5 6
13.00	12 0	63.336	84.449	82.315 82.107 82.316 82.206 82.860 82.482 83.048 82.767	72.484 72.680 72.379
	225	63.357	14.599	82.789 82.866 83.059 82.771 83.130 82.734 83.047 82.862	71.964 72.271 71.973
				82.993 83.776 82.796 83.780 83.421 83.363 83.004 83.136	
13.25	12 15	63.334	84.368	82.285 82.117 82.246 82.206 82.840 82.462 83.018 82.747	72.352 72.642 72.477
	225	63.355	14.597	82.749 82.886 83.049 82.781 83.090 82.714 83.007 82.852	72.115 72.297 72.028
				82.973 83.766 82.[illegible] 83.[illegible]60 83.402 83.363 82.994 83.106	
13.50	12 30	63.328	82.368	82.285 82.057 82.306 82.196 82.870 82.452 83.078 82.767	72.473 72.561 72.406
	225	63.350	14.597	82.709 82.856 83.059 82.751 83.100 82.734 83.047 82.882	72.124 72.277 72.091
				82.943 83.746 82.796 83.780 83.431 83.353 83.004 83.106	
13.75	12 45	63.332	83.089	82.325 82.127 82.286 82.176 82.860 82.482 83.038 82.757	72.428 72.543 72.270
	225	63.352	14.596	82.769 82.856 83.070 82.791 83.110 82.744 83.017 82.882	72.050 72.217 72.057
				82.983 83.756 82.796 83.770 83.431 83.353 83.004 83.136	
14.00	13 0	63.336	82.564	82.345 82.107 82.336 82.216 82.870 82.492 83.048 82.787	72.358 72.640 72.309
	225	63.358	14.590	82.829 82.886 83.080 82.801 83.120 82.774 83.027 82.902	72.109 72.572 72.115
				82.983 83.776 82.826 83.770 83.431 83.353 83.004 83.175	
14.25	13 15	63.336	84.156	82.315 82.097 82.316 82.206 82.810 82.442 83.038 82.767	72.397 72.543 72.516
	225	63.357	14.590	82.809 82.876 83.070 82.771 83.090 82.744 83.017 82.862	72.109 72.354 72.021
				82.993 83.776 82.806 83.750 83.421 83.353 82.984 83.145	
14.50	13 30	63.333	83.422	82.305 82.097 82.306 82.256 82.870 82.482 83.038 82.767	72.358 72.513 72.347
	225	63.353	14.585	82.759 82.856 83.039 82.740 83.090 82.754 83.017 82.882	72.196 72.307 72.073
				82.983 83.736 82.796 83.740 83.431 83.343 83.034 83.165	
14.75	13 45	63.337	85.298	82.465 82.157 82.437 82.276 82.910 82.572 83.058 82.877	72.453 72.615 72.403
	225	63.360	14.583	82.839 82.936 83.230 82.821 83.150 82.923 83.097 82.992	72.122 72.316 71.839
				83.042 83.806 82.896 83.750 83.530 83.403 83.103 83.215	
15.00	14 0	63.373	85.670	83.136 82.727 83.050 82.787 83.462 83.123 83.578 83.429	72.538 72.687 72.451
	225	63.394	14.580	83.370 83.447 83.811 83.302 83.510 83.532 83.590 83.533	72.264 72.304 72.079
				83.382 84.137 83.436 83.900 83.967 83.632 83.273 83.773	
15.25	14 15	63.415	84.088	83.296 82.976 83.231 83.017 83.663 83.343 83.808 83.659	72.594 72.734 72.565
	225	63.440	14.581	83.561 83.668 84.011 83.563 83.691 83.702 83.761 83.723	72.264 72.365 72.286
				83.521 84.407 83.616 83.990 84.095 83.741 83.393 83.922	
15.50	14 30	63.433	82.790	83.276 83.026 83.261 83.068 83.693 83.393 83.878 83.669	72.561 72.709 72.565
	225	63.456	14.585	83.641 83.728 84.011 83.613 83.801 83.682 83.802 83.773	72.162 72.451 72.468
				83.551 84.497 83.646 84.039 84.115 83.781 83.452 83.952	
15.75	14 45	63.422	81.943	82.976 82.777 82.989 82.817 83.452 83.143 83.678 83.439	72.489 72.763 72.448
	225	63.446	14.587	83.440 83.507 83.721 83.423 83.641 83.392 83.590 83.533	72.203 72.318 72.149
				83.392 84.377 83.426 84.019 83.947 83.731 83.432 83.693	
16.00	15 0	63.406	83.235	82.935 82.677 82.929 82.747 83.422 83.053 83.598 83.338	72.547 72.709 72.547
	225	63.432	14.583	83.360 83.387 83.671 83.332 83.571 83.353 83.570 83.453	72.187 72.450 72.052
				83.402 84.347 83.346 84.009 83.937 83.731 83.432 83.643	

PAGE [redacted]

RESEARCH & TESTING LABOR RY
SALEM GEN STA
INTEGRATED LEAK RATE
SENSOR READINGS

DATE 6/15/[illegible]

TEST ST[illegible]NG DAY 224

TEST STARTING TIME 23/ 0

READ TIME	REAL TIME & DAY	PRESS SENS PI-1 PI-2	AMBIENT TEMP & PRESS	TEMPERATURE SENSORS (RTD'S) 1	2	3	4	5	6	7	8	DEW POINT SENSORS 1	2	3
				9	10	11	12	13	14	15	16	4	5	6
				17	18	19	20	21	22	23	24			
16.25	15 15	63.400	85.024	82.986	82.737	82.979	82.787	83.432	83.093	83.598	83.409	72.536	72.729	72.493
	225	63.425	14.579	83.430	83.447	83.731	83.362	83.641	83.422	83.611	83.513	72.167	72.336	72.126
				83.472	84.377	83.416	84.049	83.986	83.771	83.442	83.723			
16.50	15 30	63.406	85.864	83.096	82.817	83.050	82.887	83.552	83.203	83.688	83.499	72.538	72.660	72.563
	225	63.432	14.575	83.520	83.547	83.821	83.483	83.671	83.542	83.681	83.613	72.261	72.415	72.090
				83.501	84.417	83.496	[illegible]	84.066	83.831	83.472	83.813			
16.75	15 45	63.416	85.775	83.206	82.887	83.180	83.077	83.613	83.273	83.788	83.599	72.540	72.734	72.446
	225	63.440	14.579	83.561	83.638	83.941	83.543	83.771	83.632	83.782	83.693	72.295	72.495	72.329
				83.561	84.497	83.586	84.129	84.125	83.871	83.532	83.873			
17.00	16 0	63.418	86.038	83.276	82.976	83.251	83.068	83.703	83.393	83.868	83.669	72.606	72.793	72.594
	225	63.442	14.569	83.681	83.708	84.021	83.603	83.831	83.692	83.842	83.783	72.228	72.475	72.412
				83.611	84.568	83.656	84.169	84.194	83.921	83.582	83.942			
17.25	16 15	63.416	86.052	83.306	83.036	83.301	83.098	83.733	83.423	83.888	83.709	72.644	72.831	72.417
	225	63.440	14.565	83.701	83.748	84.061	83.653	83.871	83.742	83.902	83.813	72.329	72.525	72.163
				83.671	84.548	83.696	84.199	84.224	83.960	83.592	83.992			
17.50	16 30	63.424	85.981	83.336	83.036	83.291	83.138	83.753	83.423	83.918	83.740	72.536	72.723	72.599
	225	63.447	14.560	83.741	83.778	84.072	83.693	83.901	83.772	83.922	83.843	72.208	72.543	72.217
				83.721	84.648	83.716	84.249	84.254	83.990	83.602	83.982			
17.75	16 45	63.427	85.218	83.336	83.026	83.301	83.098	83.773	83.433	83.918	83.730	72.541	72.750	72.581
	225	63.449	14.553	83.751	83.788	84.061	83.673	83.901	83.752	83.912	83.843	72.230	72.298	72.477
				83.691	84.668	83.706	84.269	84.234	84.010	83.612	83.982			
18.00	17 0	63.434	85.836	83.286	83.066	83.291	83.128	83.743	83.393	83.898	83.719	72.635	72.783	72.370
	225	63.456	14.549	83.731	83.748	84.021	83.693	83.901	83.732	83.892	83.793	72.198	72.657	72.126
				83.731	84.638	83.696	84.279	84.214	84.020	83.632	83.982			
18.25	17 15	63.432	85.347	83.256	83.016	83.261	83.088	83.733	83.393	83.858	83.719	72.563	72.727	72.453
	225	63.453	14.547	83.721	83.738	84.001	83.643	83.901	83.722	83.882	83.773	72.289	72.426	72.192
				83.711	84.598	83.666	84.299	84.214	84.020	83.642	83.922			
18.50	17 30	63.436	86.257	83.276	82.976	83.221	83.098	83.733	83.363	83.878	83.689	72.617	72.725	72.525
	225	63.458	14.553	83.751	83.748	83.991	83.643	83.901	83.692	83.902	83.793	72.225	72.613	72.217
				83.711	84.688	83.666	84.329	84.204	84.030	83.682	83.942			
18.75	17 45	63.436	83.743	83.226	82.957	83.221	83.057	83.713	83.373	83.858	83.699	72.666	72.750	72.585
	225	63.458	14.562	83.681	83.708	83.981	83.613	83.911	83.682	83.882	83.783	72.189	72.507	72.394
				83.691	84.638	83.666	84.349	84.214	84.010	83.702	83.922			
19.00	18 0	63.452	81.169	83.196	82.957	83.211	83.068	83.713	83.343	83.858	83.649	72.610	72.736	72.626
	225	63.475	14.569	83.611	83.708	83.981	83.633	83.881	83.662	83.892	83.753	72.320	72.585	72.169
				83.681	84.608	83.666	84.349	84.234	84.000	83.672	83.902			
19.25	18 15	63.429	82.217	83.206	82.917	83.190	83.057	83.693	83.343	83.848	83.649	72.576	72.790	72.554
	225	63.454	14.573	83.621	83.698	83.971	83.593	83.861	83.642	83.912	83.753	72.199	72.327	72.270
				83.661	84.618	83.636	84.359	84.214	84.010	83.652	83.892			

RESEARCH & TESTING LABORATORY
SALEM GEN S
INTEGRATED LEAK RATE TEST
SENSOR READINGS

DATE 8/13/1984

TEST [redacted]TING DAY 224

TEST STARTING TIME 23/ 0

READ TIME	REAL TIME & DAY	PRESS SENS PT-1 & PT-2	AMBIENT TEMP & PRESS	TEMPERATURE SENSORS (RTD'S) 1	2	3	4	5	6	7	8	DEW POINT SENSORS 1	2	3
				9	10	11	12	13	14	15	16	4	5	6
				17	18	19	20	21	22	23	24			
19.50	18 30	63.426	79.895	83.166	82.897	83.170	82.997	83.663	83.313	83.838	83.619	72.612	72.723	72.581
	225	63.450	14.578	83.611	83.668	83.951	83.563	83.861	83.602	83.892	83.723	72.297	72.417	72.307
				83.651	84.608	83.626	84.369	84.214	83.970	83.692	83.883			
19.75	18 45	63.425	76.634	83.176	82.897	83.160	83.037	83.663	83.293	83.848	83.609	72.597	72.716	72.570
	225	63.450	14.590	83.601	83.658	83.941	83.553	83.821	83.592	83.872	83.733	72.320	72.473	72.345
				83.631	84.628	83.[illegible]	[illegible]	84.204	84.000	83.642	83.853			
20.00	19 0	63.423	78.548	83.146	82.857	83.150	82.987	83.643	83.303	83.848	83.599	72.646	72.772	72.633
	225	63.448	14.592	83.621	83.668	83.931	83.543	83.841	83.582	83.852	83.733	72.270	72.460	72.144
				83.671	84.608	83.626	84.379	84.194	83.990	83.662	83.863			
20.25	19 15	63.422	76.751	83.126	82.857	83.120	82.977	83.643	83.283	83.798	83.589	72.579	72.801	72.684
	225	63.447	14.594	83.571	83.648	83.901	83.533	83.851	83.572	83.822	83.693	72.192	72.493	72.289
				83.611	84.558	83.576	84.399	84.185	83.980	83.702	83.823			
20.50	19 30	63.435	77.510	83.096	82.857	83.100	82.977	83.613	83.243	83.798	83.579	72.705	72.766	72.599
	225	63.461	14.598	83.581	83.628	83.901	83.513	83.781	83.562	83.842	83.683	72.243	72.487	71.845
				83.611	84.568	83.586	84.409	84.185	83.970	83.662	83.823			
20.75	19 45	63.416	79.553	83.076	82.867	83.060	82.947	83.633	83.243	83.788	83.559	72.599	72.712	72.426
	225	63.441	14.605	83.531	83.628	83.861	83.513	83.801	83.542	83.812	83.663	72.340	72.549	72.333
				83.631	84.497	83.576	84.379	84.175	83.990	83.682	83.813			
21.00	20 0	63.414	80.736	83.176	82.837	83.140	82.967	83.633	83.283	83.818	83.589	72.626	72.801	72.712
	225	63.439	14.604	83.571	83.638	83.951	83.553	83.801	83.632	83.842	83.733	72.318	72.599	72.304
				83.631	84.588	83.606	84.419	84.214	84.000	83.662	83.843			
21.25	20 15	63.440	80.108	83.326	83.086	83.321	83.158	83.803	83.463	83.968	83.760	72.657	72.849	72.675
	225	63.465	14.607	83.741	83.828	84.082	83.713	83.961	83.752	84.003	83.863	72.291	72.513	72.473
				83.781	84.688	83.776	84.449	84.303	84.050	83.682	84.022			
21.50	20 30	63.429	78.753	83.146	82.907	83.160	83.027	83.683	83.313	83.868	83.599	72.666	72.833	72.570
	225	63.454	14.609	83.601	83.698	83.921	83.563	83.851	83.582	83.842	83.733	72.225	72.412	72.266
				83.671	84.618	83.616	84.469	84.214	83.990	83.672	83.853			
21.75	20 45	63.418	78.609	83.126	82.887	83.130	83.007	83.683	83.283	83.828	83.589	72.585	72.786	72.640
	225	63.444	14.611	83.541	83.648	83.901	83.533	83.841	83.592	83.872	83.713	72.410	72.574	72.262
				83.651	84.638	83.606	84.459	84.204	84.010	83.692	83.843			
22.00	21 0	63.438	79.495	83.146	82.877	83.110	83.007	83.653	83.313	83.818	83.619	72.646	72.774	72.597
	225	63.463	14.606	83.581	83.668	83.921	83.533	83.821	83.592	83.862	83.713	72.284	72.527	72.518
				83.611	84.578	83.606	84.439	84.224	83.990	83.662	83.853			
22.25	21 15	63.420	76.346	83.156	82.887	83.120	82.997	83.663	83.283	83.838	83.589	72.633	72.871	72.554
	225	63.445	14.610	83.561	83.658	83.931	83.583	83.851	83.592	83.872	83.713	72.396	72.603	72.208
				83.651	84.598	83.616	84.469	84.214	83.990	83.692	83.863			
22.50	21 30	63.419	78.634	83.156	82.907	83.140	83.017	83.653	83.283	83.868	83.599	72.675	72.748	72.556
	225	63.445	14.614	83.601	83.678	83.921	83.543	83.821	83.602	83.862	83.733	72.365	72.554	72.442
				83.631	84.638	83.616	84.479	84.224	84.010	83.692	83.873			

RESEARCH & TESTING L/ ATORY
SALEM GEN S.
INTEGRATED LEAK RA EST
SENSOR READING

DATE 8/13/1984

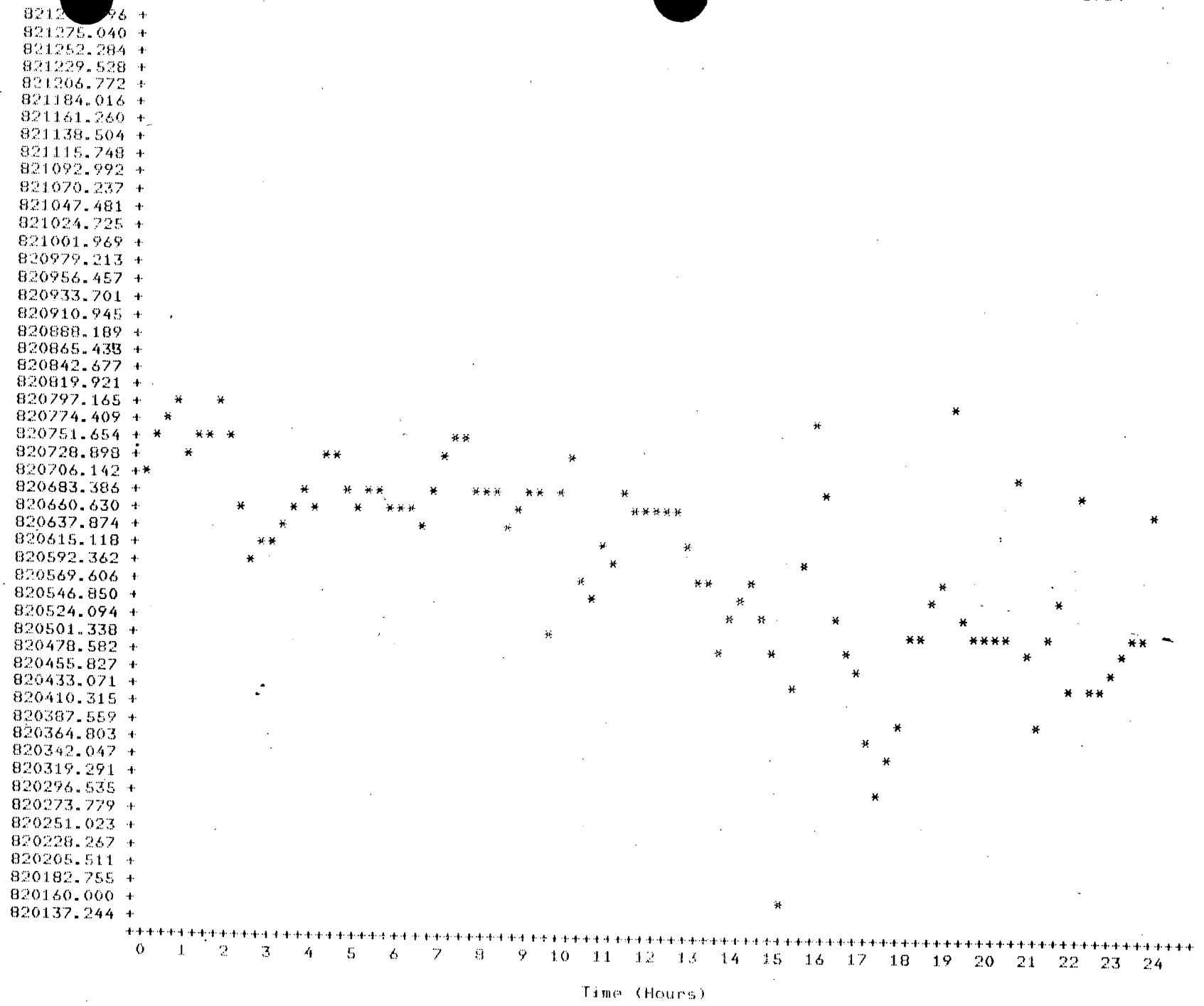
TEST TING DAY 224

TEST STARTING TIME 23/ 0

READ TIME	REAL TIME & DAY	PRESS SENS PI-1 PI-2	AMBIENT TEMP & PRESS	TEMPERATURE SENSORS (RTD'S) 1	2	3	4	5	6	7	8	DEW POINT SENSORS 1	2	3
				9	10	11	12	13	14	15	16	4	5	6
				17	18	19	20	21	22	23	24			
22.75	21 45	63.421	79.918	83.156	82.897	83.140	82.997	83.653	83.293	83.848	83.609	72.649	72.772	72.658
	225	63.446	14.610	83.541	83.638	83.951	83.543	83.831	83.582	83.852	83.723	72.381	72.572	72.169
				83.651	84.628	83.626	84.489	84.214	84.000	83.702	83.892			
23.00	22 0	63.421	79.812	83.096	82.897	83.080	82.967	83.633	83.263	83.838	83.559	72.761	72.873	72.594
	225	63.447	14.613	83.551	83.628	83.901	83.533	83.821	83.552	83.842	83.673	72.354	72.504	72.541
				83.641	84.638	83.[illegible]	[illegible]	84.214	84.000	83.652	83.833			
23.25	22 15	63.420	79.765	83.076	82.797	83.060	[illegible]	83.583	83.213	83.818	83.529	72.761	72.903	72.592
	225	63.444	14.618	83.531	83.608	83.841	[illegible]	83.811	83.522	83.802	83.673	72.370	72.543	72.316
				83.621	84.618	83.546	84.499	84.155	84.000	83.692	83.793			
23.50	22 30	63.416	80.635	83.006	82.787	82.989	82.897	83.593	83.183	83.768	83.489	72.714	72.869	72.550
	225	63.439	14.619	83.490	83.598	83.821	83.483	83.791	83.482	83.782	83.613	72.325	72.633	72.244
				83.601	84.608	83.526	84.469	84.125	83.960	83.712	83.793			
23.75	22 45	63.423	79.569	83.006	82.757	83.000	82.877	83.522	83.163	83.748	83.459	72.664	72.817	72.727
	225	63.450	14.618	83.430	83.537	83.791	83.453	83.751	83.452	83.741	83.593	72.378	72.552	72.295
				83.551	84.558	83.486	84.469	84.125	83.951	83.642	83.743			
24.00	23 0	63.407	80.020	82.986	82.747	82.949	82.887	83.522	83.133	83.678	83.429	72.621	72.799	72.509
	225	63.432	14.619	83.410	83.497	83.751	83.423	83.731	83.422	83.731	83.563	72.345	72.399	72.482
				83.551	84.517	83.456	84.469	84.076	83.911	83.612	83.723			

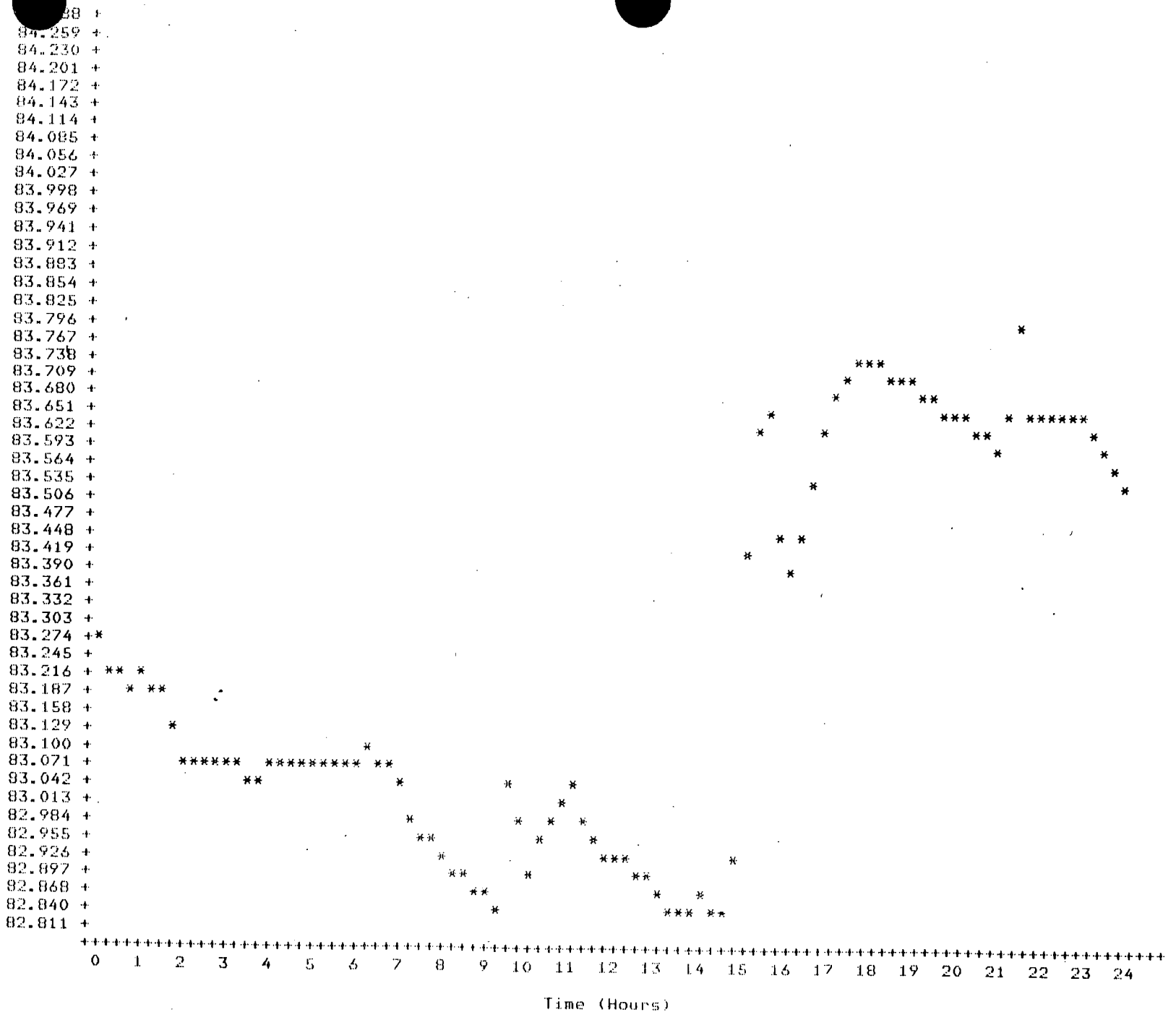
RESEARCH & TESTING L IRATORY
Salem GEN STA Integrate eak Rate Test
MASS PLOT

DATE 8 / 13 / 1984



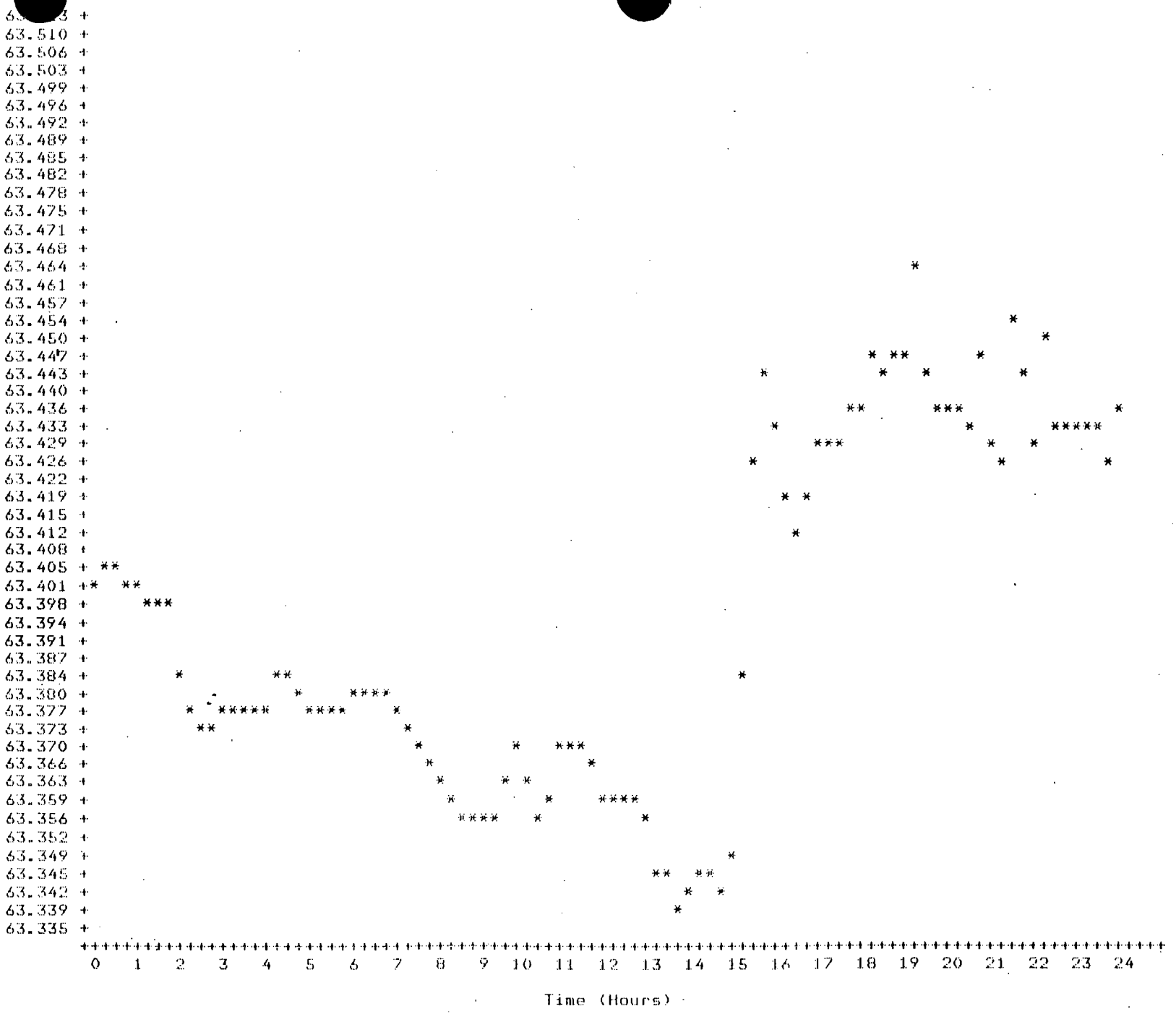
RESEARCH & TESTING L RATORY
Salem GEN STA Integrated eak Rate Test
TEMPERATURE F

DATE 8 / 13 / 1984



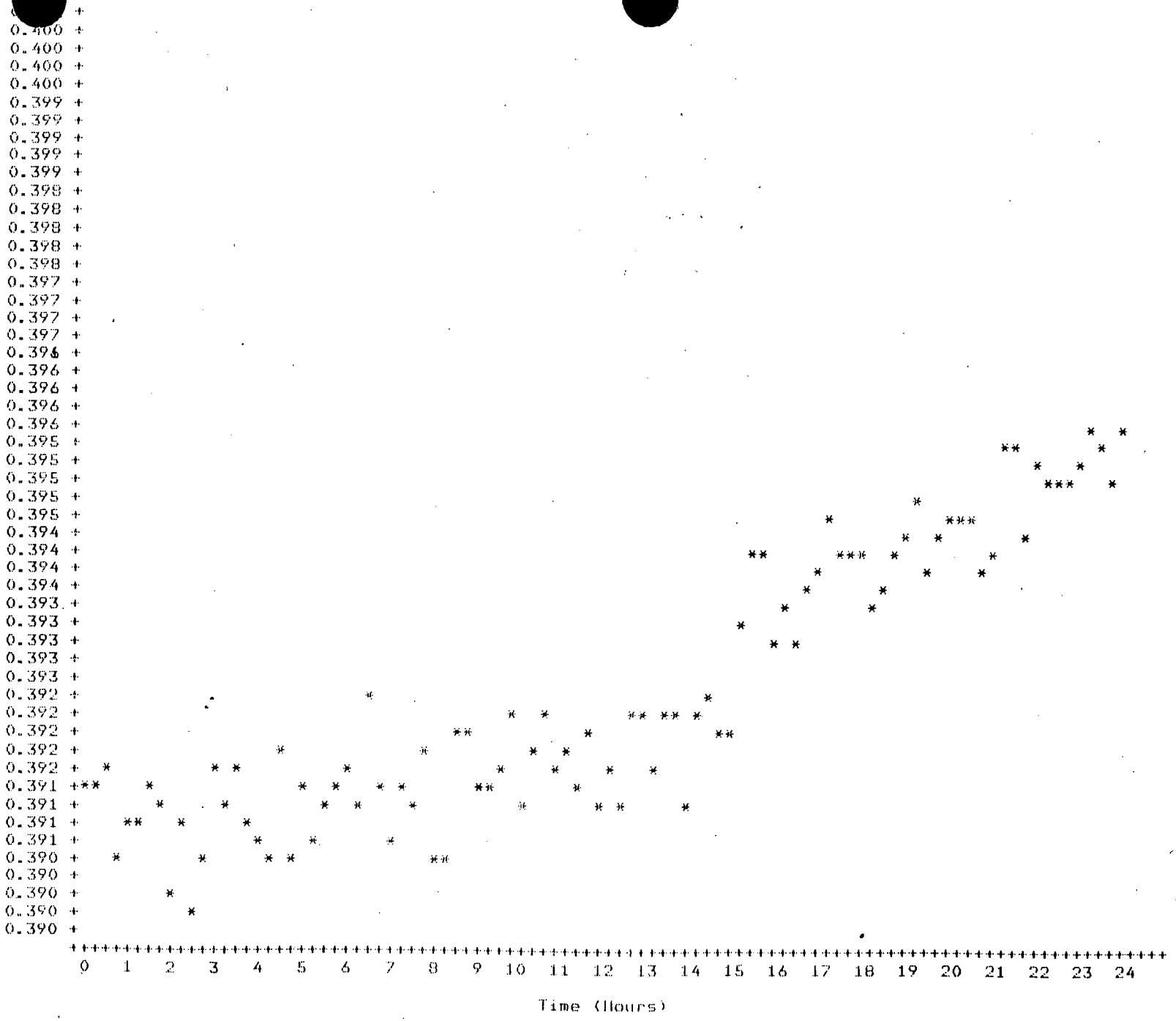
RESEARCH & TESTING L RATORY
Salem GEN STA Integrated Leak Rate Test
PRESSURE PLO

DATE 8 / 13 / 1984



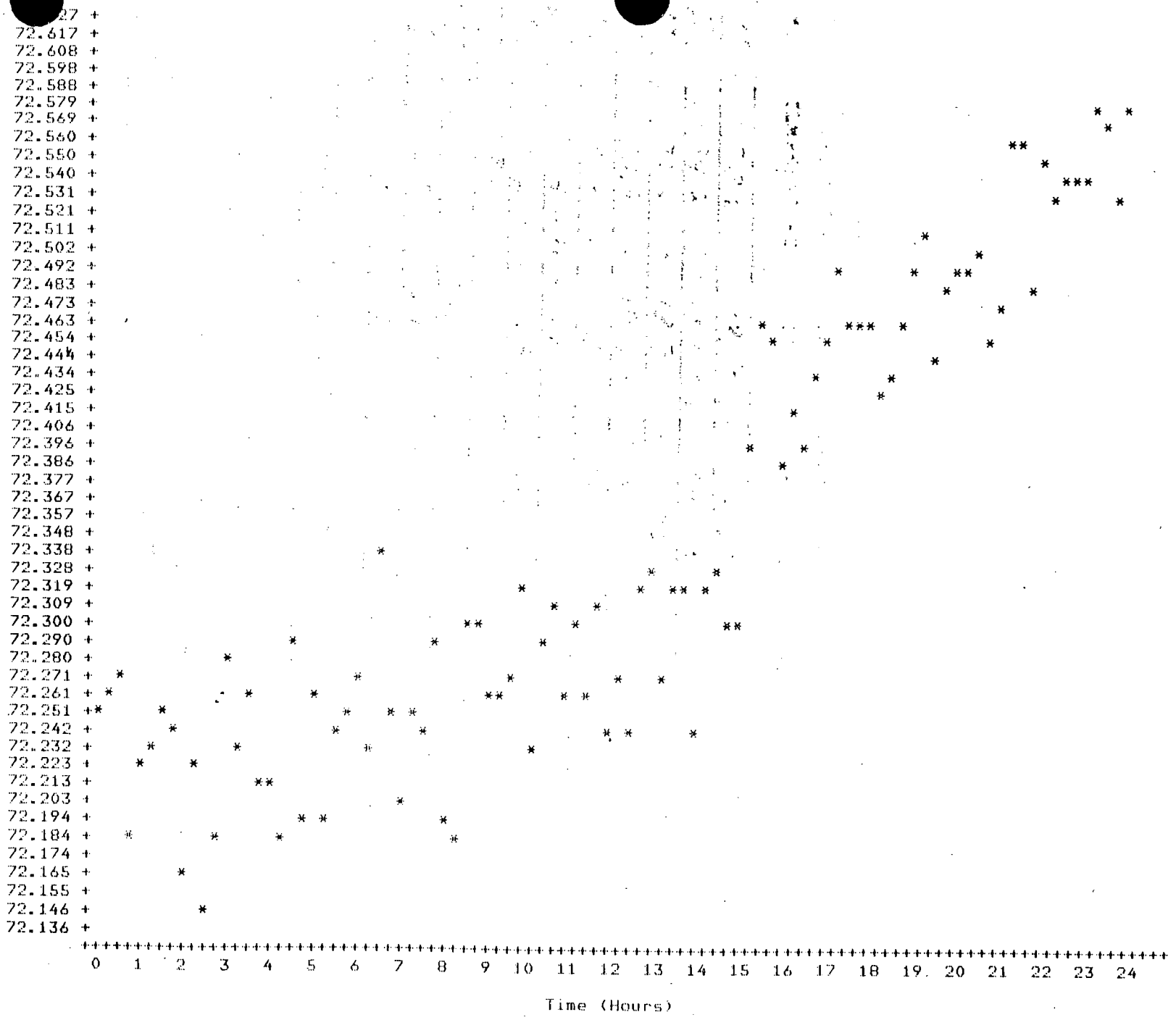
RESEARCH & TESTING L RATORY
Salem GEN STA Integrated ak Rate Test
VAPOR PRESSURE PL

DATE 8 / 13 / 1984



RESEARCH & TESTING L RATORY
Salem GEN STA Integrated Peak Rate Test
DEW POINT TEMPERAT PLOT

DATE 8 / 13 / 1984



1.0 SITE METEOROLOGY PRIOR TO AND DURING CILRT

NOTE: Those data that are obtained and recorded by the installed CILRT data acquisition system does NOT have to be duplicated. A computer printout of those data shall be appended to the applicable sections of the data Sheets and serve as an official record.

	DATE TIME	DRY BULB TEMPERATURE F°	DEW POINT C	BAROMETRIC PRESSURE	REMARKS
213	7-31-84 2000	72.6	18.7	14.67	
214	8-1-84 0000	74.2	18.1	14.73	
[illegible]	8-1-84 0400	72.5	18.7	14.72	
[illegible]	8-1-84 0800	72.9	19.5	14.72	
214	8-1-84 1200	81.4	19.5	14.71	
214	8-1-84 1600	81.3	21.6	14.70	
214	8-1-84 2000	79.2	22.3	14.71	
215	8-2-84 0000	78.0	21.9	14.71	
215	8-2-84 0400	76.7	21.9	14.71	
215	8-2-84 0800	76.7	22.4	14.73	
215	8-2-84 1200	81.8	22.5	14.72	
215	8-2-84 1600	85.1	21.6	14.70	
215	8-2-84 2000	82.0	23.0	14.71	
216	8-3-84 0000	74.8	21.8	14.70	
216	8-3-84 0400	75.8	21.9	14.69	
216	8-3-84 0800	76.3	21.7	14.69	
216	8-3-84 1200	81.6	21.4	14.67	
216	8-3-84 1600	83.5	21.5	14.67	
216	8-3-84 2000	81.2	21.8	14.65	

1.0 SITE METEOROLOGY PRIOR TO AND DURING CILRT

NOTE: Those data that are obtained and recorded by the installed CILRT data acquisition system does NOT have to be duplicated. A computer printout of those data shall be appended to the applicable sections of the data Sheets and serve as an official record.

	DATE TIME	DRY BULB TEMPERATURE	DEW POINT	BAROMETRIC PRESSURE	REMARKS
217	8-4-84 0000	78.7 - **	22.6	14.65	
217	8-C1-84 0400	74.0 - **	20.9	14.64	
217	8-4-84 0800	75.8 -	21.3	14.64	
217	8-4-84 1200	82.4	20.8	14.65	
217	8-4-84 1600	85.8	19.4	14.63	
217	8-4-84 2000	79.7	29.8 **	14.65	
218	8-5-84 0000	76.3	22 *	14.65	
218	8-5-84 0400	75.9	21 *	14.65	
218	8-5-84 0800	75.8	21 *	14.65	
218	8-5-84 1200	80.3	20.9	14.65	
218	8-5-84 1600	82.3	20.6	14.64	
218	8-5-84 2000	78.2	20.8	14.65	
219	8-6-84 0000	75.4	20.2	14.67	
219	8-6-84 0400	73.6	19.6	14.67	
219	8-6-84 0800	73.7	19.6	14.67	
219	8-6-84 1200	82.3	20.6	14.66	
219	8-6-84 1600	85.7	19.4	14.63	
219	8-6-84 2000	83.2	21.2 **	14.63	
220	8-7-84 0000	79.6	21.8	14.63	

* DEW POINT INSTRUMENT TUBING PINCHED G.D.

1.0 SITE METEOROLOGY PRIOR TO AND DURING CILRT

NOTE: Those data that are obtained and recorded by the installed CILRT data acquisition system does NOT have to be duplicated. A computer printout of those data shall be appended to the applicable sections of the data Sheets and serve as an official record.

DATE TIME	DRY BULB TEMPERATURE	DEW POINT	BAROMETRIC PRESSURE	REMARKS
0400	77.3	22.2	14.60	
0800	78.0	24.6	14.60	
1200	85.4	24.8	14.57	
1600	85.5	28.19	14.50	
2000	77.23	21.42	14.56	
2400	77.1	21.75	14.57	
0400	74.8		14.57	
0800	75.2	19.7	14.58	
1200	83.4	19.3	14.6	
1600	88.2	18.7	14.6	
2000	84.4	21.3	14.6	
0001	82.7	22.2	14.6	
0400	78.7	21.1	14.6	
0800	81.3	21.3	14.6	
1200				
1600	85.68	21.9	14.57	
2000	82.96	21.0	14.58	
0001	79.8	20.3	14.59	
0400	77.54	20.0	14.57	

1.0 SITE METEOROLOGY PRIOR TO AND DURING CILRT

NOTE: Those data that are obtained and recorded by the installed CILRT data acquisition system does NOT have to be duplicated. A computer printout of those data shall be appended to the applicable sections of the data Sheets and serve as an official record.

DATE TIME	DRY BULB TEMPERATURE	DEW POINT	BAROMETRIC PRESSURE	REMARKS
223 0800	78.59	20.40	14.60	
1200	81.24	20.44	14.62	
1600	82.99	19.76	14.59	
2000	79.88	22.23	14.61	
8-11 224 0000	78.01	21.22	14.59	
0400	78.68	21.71	14.56	
0800	77.00	20.04	14.56	
1200	82.38	19.49	14.57	
1600	84.87	20.89	14.54	
2000	77.60	22.21	14.55	
8-12 225 0000	80.00	22.40	14.58	
0400	77.61	21.36	14.59	
0800	80.53	23.23	14.60	
1200	84.89	21.56	14.60	
1600	86.48	21.36	14.57	
2000	81.17	23.26	14.60	
8-13 226 0050	80.80	23.48	14.62	
0400	79.63	22.14	14.63	
0800	80.94	23.18	14.66	

Instrument Verification Test
Mass Step Change Method

To verify the accuracy of the instrumentation employed to measure the leakage rate during the CILRT, 100% of the allowable leakage (L_a) was removed thru a gas meter from the containment. The mass of air removed from the containment is calculated as follows:

$$M = 144\ PV/RT$$

Where,

V = Volume of air passing thru the gas meter during mass step change

P = Gas meter inlet pressure - psia

T = Absolute temperature of the air passing through the gas meter

459.69 + °F

R = Gas constant
= 53.35 ft lbf/lbm °F

M = Mass as determined by gas meter

The mass of contained air (M_2) shall then be calculated using the method employed during the Integrated Leakage Rate Test. The air mass (M_1) that had been in the containment before removing the air from the containment.

The difference between M_1 and M_2 will be the mass of air removed from the containment.

Acceptance Criteria

Results of this test wwill be considered acceptable provided the difference between the removed mass as measured by the Type A test instrumentation agrees with the removed mass as determined by the gas meter is within 25% of L_a.

$$\text{i.e. } M-(M_1-M_2) \quad 0.25\ L_a$$

The following is the computer printout of the verification test.

SALEM GEN STA

VERIFICATION TEST

MASS STEP CHANGE

	ILRT INSTRUMENTATION					FLOW METER			
TIME hour	AIR f	D.P. f	PRES psia	MASS lbm	MASS lbm	GAS read	GAS cuft	MASS lbm	MASS lbm
0225	83.45	72.54	63.43	820669.1	0.0	20853.3	0.0	0.0	0.0
0230	83.44	72.55	63.42	820659.1	-10.0	20995.0	141.7	44.7	-34.7
0235	83.44	72.63	63.42	820625.6	-43.5	21169.7	316.4	99.7	-56.2
0240	83.44	72.64	63.42	820562.7	-106.4	21405.0	551.7	173.9	-67.5
0245	83.43	72.60	63.41	820500.7	-168.4	21632.0	778.7	245.4	-77.0
0250	83.42	72.64	63.41	820434.9	-234.2	21848.0	994.7	313.5	-79.3
0255	83.42	72.57	63.40	820377.4	-291.7	22059.1	1205.8	379.9	-88.2
0300	83.42	72.63	63.40	820307.4	-361.7	22283.1	1429.8	450.5	-88.8
0305	83.43	72.58	63.39	820256.7	-412.4	22508.0	1654.7	521.3	-108.9
0310	83.43	72.58	63.39	820163.9	-505.2	22733.0	1879.7	592.2	-87.0
0315	83.43	72.59	63.38	820074.0	-595.1	22958.5	2105.2	663.1	-68.0
0320	83.43	72.57	63.38	820077.4	-591.7	23183.5	2330.2	734.0	-142.3
0325	83.43	72.58	63.37	819968.8	-700.3	23415.8	2562.5	807.0	-106.7

RESEARCH & TESTING LABORATORY

SALEM GEN. STA.
~~INTEGRATED~~ LEAKAGE RATE TEST
Verification

DATE 8/13/1984

TEST STARTING DAY 226

TEST STARTING TIME 0 : 55

ELAP TIME (Hrs)	REAL TIME (Hr/Mn)	AMBIENT TEMP (DegF)	AMBIENT PRESS (Psia)	AVG CONT TEMP (DegF)	AVG DEW PT TEMP (DegF)	AVG VAPOR PRESS (Psia)	AVG CONT PRESS (Psia)	CONT MASS (Lbm)	CALC LEAK RATE (Lbm/Hr)	(%/Day)	95 % CONFIDENCE LEVEL (Lbm/Hr)	(%/Day)	CALC INITIAL MASS (Lbm)
0.00	0 55	80.11	14.62	83.453	72.567	0.395	63.411	820453.8					
0.25	1 0	80.48	14.61	83.458	72.605	0.396	63.410	820433.2					
0.50	1 5	79.70	14.61	83.463	72.580	0.396	63.411	820436.2					
0.75	1 10	79.94	14.62	83.457	72.541	0.395	63.412	820464.3					
1.00	1 15	80.00	14.61	83.462	72.544	0.395	63.411	820440.7					
1.25	1 20	80.41	14.62	83.463	72.571	0.396	[illegible]	820535.6					
1.50	1 25	80.08	14.61	83.459	72.589	0.396	63.450	820695.3					
1.75	1 30	79.84	14.61	83.443	72.568	0.395	63.4[illegible]	820444.6					
2.00	1 35	79.82	14.62	83.438	72.595	0.396	63.417	820549.1					
2.25	1 40	79.22	14.62	83.426	72.595	0.396	63.410	820483.3					
2.50	1 45	78.89	14.61	83.407	72.581	0.396	63.408	820480.5					
2.75	1 50	79.66	14.62	83.406	72.590	0.396	63.405	820448.4					
3.00	1 55	79.65	14.61	83.397	72.521	0.395	63.404	820461.1	10.539	0.030	-58.252	0.232	820490.6
3.25	2 0	79.73	14.61	83.401	72.610	0.396	63.414	820570.2	16.529	0.048	-41.420	0.217	820483.6
3.50	2 5	79.78	14.61	83.409	72.622	0.396	63.425	820699.6	34.601	0.101	-19.531	0.259	820461.0
3.75	2 10	79.72	14.62	83.423	72.627	0.396	63.428	820716.7	47.197	0.138	-1.873	0.281	820444.2
4.00	2 15	79.62	14.62	83.434	72.605	0.396	63.428	820704.7	53.523	0.156	10.203	0.283	820435.2
4.25	2 20	79.66	14.62	83.445	72.627	0.396	63.427	820670.6	54.142	0.158	16.164	0.269	820434.3
4.50	2 25	80.14	14.62	83.455	72.548	0.395	63.427	820669.1	53.522	0.156	19.950	0.254	820435.3
4.75	2 30	79.49	14.62	83.444	72.551	0.395	63.425	820659.1	51.602	0.150	21.624	0.238	820438.5
5.00	2 35	80.07	14.62	83.448	72.637	0.396	63.424	820625.6	47.553	0.139	20.249	0.218	820445.6
5.25	2 40	80.77	14.62	83.441	72.642	0.396	63.419	820562.7	40.666	0.118	14.692	0.194	820458.2
5.50	2 45	80.77	14.62	83.435	72.600	0.396	63.413	820500.7	32.073	0.093	6.369	0.169	820474.7
5.75	2 50	80.90	14.62	83.426	72.645	0.396	63.407	820434.9	22.325	0.065	-3.831	0.141	820494.2
6.00	2 55	80.04	14.62	83.429	72.573	0.396	63.402	820377.4	12.297	0.035	-14.455	0.114	820515.1
6.25	3 0	79.54	14.62	83.429	72.639	0.396	63.398	820307.4	1.791	0.005	-25.776	0.085	820537.8
6.50	3 5	80.10	14.62	83.430	72.585	0.396	63.393	820256.7	-8.218	0.024	-36.266	0.106	820560.3
6.75	3 10	79.79	14.62	83.431	72.581	0.396	63.386	820163.9	-19.042	0.055	-47.974	0.140	820585.6
7.00	3 15	79.44	14.62	83.433	72.596	0.396	63.380	820074.0	-30.224	0.088	-60.139	0.175	820612.6
7.25	3 20	79.20	14.62	83.433	72.575	0.396	63.380	820077.4	-38.944	0.113	-68.601	0.200	820634.4
7.50	3 25	79.28	14.62	83.434	72.589	0.396	63.372	819960.8	-48.585	0.142	-78.475	0.229	820659.3
7.75	3 30	79.11	14.62	83.446	72.624	0.396	63.366	819871.7	-58.531	0.171	-88.818	0.259	820685.8
8.00	3 35	79.13	14.63	83.459	72.607	0.396	63.366	819855.1	-66.769	0.195	-96.737	0.282	820708.5

Attachment 5
Page 4 of 5

Volume of air removed		2562.5 ft^3
Mass of air removed	(M)	807.-lbm
ILRT Instrumentation Calculated Air Mass after air removed	(M_1)	820669.1 lbm
ILRT Instrumentation Calculated Air Mass after air removed	(M_2)	819968.8 lbm
Difference in Mass of air	$M-(M_1-M_2)$	106.7 lbm
Acceptance Criteria $M(M_1-M_2)$	$0.25\ L_a$	206.7 lbm

Attachment 6

Index of Type "C" As Found Summary

As found leakage rates have been reviewed in relation to the results of the first inservice CILRT and at no time was the overall integrated leak rate of L_a exceeded.

The Generator Blowdown valves are listed in the Type "C" As Found Summary, however, their leak rate is not shown or considered in the totals. This is in accordance with 10CFR50 Appendix J requirements.

OCTOBER 19[illegible] OUTAGE
OUTAGE TYPE "C" AS FOUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOWABLE LEAKAGE	COMMENTS
1CS900		1CS901,1CS902,1CS903		56A	-0-	97.0	10-21-82
			11CA330	56	3660	518.0	11-28-82
			12CA330	23A	1803.0	518.0	11-4-82
			1CC113	35	10.0	777.0	10-27-82
			1CC215	34	20,000	777.0	Close sys. inside & out
		1CC117	1CC118	32	40.0	1554.0	11-1-82
1CC190 & 1CC208			1CC131	39	-0-	777.0	11-8-82
1CC187 & 1CC186			1CC136	33	1730	1554.0	11-27-82

OCTOBER 19[redacted]UTAGE
OUTAGE TYPE "C" A[redacted]UND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOW LEAK	COMMENTS
1CV3 & 1CV4 & 1CV5							
			1CV7	17A	55	518.0	12-8-82
1CV74		(1CV68 or 1CV69)		36	2830	777.0	12-10-82
1CV284 & 1CV296			1CV116	37	117	1036.0	12-22-82
1DR30			1DR29	22	13.0	1036.0	10-28-82
1FP148			1FP147	57	1803.0	1554.0	11-27-82
							Close Sys. inside
			11GB4	14	-0-	777.0	10-30-82
							Close Sys. inside
			12GB4	12	-0-	777.0	10-30-82

OCTOBER 198[redacted]UTAGE
OUTAGE TYPE "C" AS[redacted]UND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOW LEAK	COMMENTS
			13GB4	15	-0-	777.0	Close Sys. inside 10-30-82
			14GB4	13	-0-	777.0	Close Sys. inside 10-30-82
1NT26			1NT25	21	150.0	194.0	11-4-82
1NT34			1NT32	21B	48.0	259.0	10-29-82
1PR17			1PR18	18C	104.0	97.0	10-21-82
1SJ123			1SJ53 & 1SJ60	25	-0-	194.0	11-3-82
1SS103			1SS27	25A	127.0	97.0	10-26-82
1SS107			1SS49	18A	1.0	97.0	10-26-82

OCTOBER 1982 OUTAGE
OUTAGE TYPE "C" AS FOUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOW LEAK	COMMENTS
1SS110			1SS64	18B	4.0	97.0	10-26-82
11SS93			11SS94	62	93.0	97.0	11-6-82
12SS93			12SS94	62A	19.0	97.0	11-8-82
13SS93			13SS94	63	81.0	97.0	11-2-82
14SS93			14SS94	63A	435.0	97.0	10-21-82
11SS182			11SS181	E-36	350	194.0	11-11-82
11SS188			11SS189	E-36	243	194.0	11-9-82
11SS104			1SS33	18	6	97.0	11-5-82
13SS182			13SS181	E-30	150	194.0	11-11-82
13SS184			13SS185	E-30	18	194.0	11-10-82

OCTOBER 198[redacted]TAGE
OUTAGE TYPE "C" AS[redacted]OUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOW LEAK	COMMENTS
		1SS901	1SS900	17	4	32.0	11-22-82
1SA119			1SA118	23B	539.0	777.0	10-20-82
1SA270			1SA268	61	143.0	259.0	10-21-82
1SA267			1SA265	61A	-0-	194.0	10-20-82
1SA264			1SA262	61B	-0-	194.0	10-20-82
1VC2			1VC1	19	-0-	2590.0	10-21-82
1VC3			1VC4	20	-0-	2590.0	10-21-82
1VC6			1VC5	40	-0-	2590.0	10-21-82

OCTOBER 19[illegible] OUTAGE
OUTAGE TYPE "C" A[illegible]FOUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOW LEAK	COMMENTS
1VC7			1VC8	E-22	20,000	194.0	Closed Sys. outside 10-30-82
1VC11			1VC12	E-22	252.0	388.0	
12VC19			12VC17	E-30			
12VC20			12VC18	E-30	46.0	194.0	10-30-82
1VC9			1VC10	E-22	1,212.0	194.0	11-3-82
1VC13			1VC14	E-22	5.0	194.0	11-3-82
11VC19			11VC17	E-36	2.0	194.0	11-3-82
11VC20			11VC18	E-36	75.0	194.0	11-3-82
1WL12			1WL13	27	24.0	777.0	10-29-82
1WL16			1WL17	45	0.0	777.0	10-27-82
1WL96			1WL97	18D	5.0	194.0	11-5-82
1WL98			1WL99 & 1WL108	21A	-0-	259.0	11-1-82

OCTOBER 198 UTAGE
OUTAGE TYPE "C" AS FOUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		SCCM AS FOUND	ALLOW LEAK	ALLOWABLE LEAKAGE	COMMENTS
1WL190			1SF36	66A	-0-	777.0	11-5-82
1WL191			1SF22	66	-0-	777.0	11-5-82
1WL81			1WR80	22A	10.0	777.0	10-26-82
11CS48			11CS2	43	270.0	2072.0	11-24-82
12CS48			12CS2	44	1520.0	2072.0	11-24-82
				TOTAL 57,917			
		117 Valves					

UNIT 1 198[redacted] OUTAGE
OUTAGE TYPE "C" [redacted] FOUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOWABLE LEAKAGE	COMMENTS
1CS900 (3)		1CS901,1CS902,1CS903 (0) (0) (0)		56A	0	97.0	4-25-84
11CA360 (26.4)			11CA330	56	26.4	518.0	3-13-84
12CA360 (293)			12CA330	23A	293	518.0	4-25-84
			1CC113	35	260	777.0	3-27-84
			1CC215	34	260	777.0	Close sys inside & out 3-27-84
1CC119 (0)		1CC117 (0)	1CC118 (76)	32	0	1554.0	5-28-84
1CC190 & 1CC208 (1903)			1CC131 (175)	39	175	777.0	
							3-27-84
1CC187 & 1CC186 (1100)			1CC136 (14)	33	14	1554.0	
							3-26-84

UNIT 1 1984 OUTAGE
OUTAGE TYPE "C" AS FOUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOW LEAK	COMMENTS
1CV3 & 1CV4 & 1CV5 (8150)							
			1CV7 (550)	17A	550	518.0	4-5-84
1CV74 (850)		1CV68 or 1CV69 (367)		36	367	777.0	6-12-84
1CV284 & 1CV296 (3200)			1CV116 (0)	37	0	1036.0	
							4-17-84
1DR30 (3)			1DR29 (6)	22	3	1036.0	6-3-84
1FP148 (118)			1FP147 (4950)	57	118	1554.0	4-26-84
			11GB4 (76350)	14	0	777.0	3-7-84 CLS. SYS. INSIDE
			12GB4 (64700)	12	0	777.0	3-7-84 CLS. SYS. INSIDE
			13GB4 (40200)	15	0	777.0	3-7-84 CLS. SYS. INSIDE

UNIT 1 1984 OUTAGE
OUTAGE TYPE "C" AS FOUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOW LEAK	COMMENTS
			14GB4 (4265)	13	0	777.0	Close sys. inside
1NT26 (2167)			1NT25 (55)	21	55	194.0	5-5-84
1NT34 (150)			1NT32 (61)	21B	61	259.0	3-19-84
1PR17 (0)			1PR18 (0)	18C	0	97.0	5-30-84
1SJ123 (0)			1SJ53 & 1SJ60 (0)	25	0	194.0	5-4-84
1SS103 (0)			1SS27 (14)	25A	0	97.0	5-2-84
1SS107 (19)			1SS49 (18)	18A	18	97.0	3-17-84
1SS110 (0)			1SS64 (0)	18B	0	97.0	5-16-84
11SS93 (0)			11SS94 (0)	62	0	97.0	3-16-84

UNIT 1 1984 OUTAGE
OUTAGE TYPE "C" AS FOUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOW LEAK	COMMENTS
12SS93 (75)			12SS94 (76)	62A	75	97.0	3-15-84
13SS93 (0)			13SS94 (8)	63	0	97.0	3-16-84
14SS93 (11)			14SS94 (0)	63A	0	97.0	3-15-84
11SS182 (1630)			11SS181 (40)	E-36	40	194.0	3-24-84
11SS188 (0)			11SS189 (0)	E-36	0	194.0	6-6-84
11SS104 (15)			1SS33 (35)	18	15	97.0	5-22-84 6-6-84
13SS182 (11640)			13SS181 (12)	E-30	12	194.0	3-24-84
13SS184 (26)			13SS185 (5)	E-30	5	194.0	3-24-84
		1SS901 (0)	1SS900 (0)	17	0	32.0	5-24-84
1SA119 (>20,000)			1SA118 (3660)	23B	3660	777.0	3-6-84
1SA270 (250)			1SA268 (30)	61	30	259.0	4-23-84

UNIT 1 1984 OUTAGE
OUTAGE TYPE "C" [illegible]OUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOW LEAK	COMMENTS
1SA267 (250)			1SA265 (30)	61A	30	194.0	4-23-84
1SA264 (250)			1SA262 (30)	61B	30	194.0	4-23-84
1VC2			1VC1	19	1300	2590.0	3-8-84
1VC3			1VC4	20	1120	2590.0	3-8-84
1VC6			1VC5	40	270	2590.0	3-8-84
1VC7 (68)			1VC8 (4465)	E-22	68	194.0	3-14-84 closed sys. outside 3/14/84
1VC11 (14.2)			1VC12 (28.3)	E-22	14.2	388.0	
12VC19 (>20,000)			12VC17 (26.8)	E-30	26.8		3/14/84
12VC20 (11)			12VC18 (16,663)	E-30	11	194.0	3/14/84
1VC9 (0)			1VC10 (33)	E-22	0	194.0	3/10/84
1VC13 (0)			1VC14 (1)	E-22	0	194.0	3/10/84
11VC19 (0)			11VC17 (14.4)	E-36	0	194.0	3/12/84
11VC20 (4.5)			11VC18 (9.2)	E-36	4.5	194.0	3/12/84

UNIT 1 198[redacted] OUTAGE
OUTAGE TYPE "C" [redacted] OUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN.	SCCM AS FOUND	ALLOW LEAK	COMMENTS
1WL12 (60)			1WL13 (15)	27	15	777.0	5/30/84
1WL16 (887)			1WL17 182	45	182	777.0	6/22/84
1WL96 (94,500)			1WL97 0	18D	0	194.0	5/24/84
1WL98 (1)			1WL99 & 1WL108 (2)	21A	1	259.0	6/11/84
							6/11/84
1WL190 0			1SF36 0	66A	0	777.0	6/29/84
1WL191 0			1SF22 0	66	0	777.0	6/29/84
1WL81 8330			1WR80 58400	22A	8330	777.0	7/2/84
11CS48 (970)			11CS2 (989)	43	970	2072.0	5/31/84
12CS48 (20)			12CS2 (735)	44	20	2072.0	5/31/84

UNIT 1 198[redacted] OUTAGE
OUTAGE TYPE "C" [redacted]OUND SUMMARY

INSIDE VALVES		OUTSIDE VALVES		PEN #	SCCM AS FOUND	ALLOWABLE LEAKAGE	COMMENTS
			1CA1714	100 airlock	0	127	8-24-84
			1CA1715	130 airlock	0	127	8-24-84
		TOTAL Valves 122		TOTAL Leakage 18429.9			

MAINTENANCE PROCEDURE M16E
ENCLOSURE 7
UNITS 1 AND 2
CONTAINMENT TYPE B AND C TOTAL LEAKAGE SUMMARY SHEET

Allowable Type B and C leakage (0.6 La) = 129,750 SCCM per unit.
Allowable air lock leakage (0.05 La) = 10,812 SCCM per unit.

TEST DATE	COMPONENT(S) TESTED	PREVIOUS LEAKAGE SCCM	CURRENT LEAKAGE SCCM	DELTA LEAKAGE SCCM	PRESENT SUM B & C LEAKAGE (SCCM)	REMARKS
5-31-84	11CS2	0	989	+989	989	
5-31-84	12CS2	2240	735	-1535	1724	
5-31-84	11CS48	320	970	+650	2694	
5-31-84	12CS48	370	20	-350	2714	
4-25-84	1CS900	0	3	+3	2717	
4-25-84	1CS901					
4-25-84	1CS902	0	0	0		
4-25-84	1CS903					
6-29-84	11CA330	2250	332	-1918	3049	
7-16-84	12CA330	1502	1848	+346	4897	
3-27-84	1CC113	10	260	+250	5157	
5-28-84	1CC117	31	0	-31	5157	
5-28-84	1CC118	36	76	+40	5233	
3-27-84	1CC131	0	175	+175	5408	

ENCLOSURE 7
UNITS 1 AND 2
CONTAINMENT TYPE B AND C TOTAL LEAKAGE SUMMARY SHEET

Allowable Type B and C leakage (0.6 La) = 129,750 SCCM per unit.
Allowable air lock leakage (0.05 La) = 10,812 SCCM per unit.

TEST DATE	COMPONENT(S) TESTED	PREVIOUS LEAKAGE SCCM	CURRENT LEAKAGE SCCM	DELTA LEAKAGE SCCM	PRESENT SUM B & C LEAKAGE (SCCM)	REMARKS
3-26-84	1CC136	1810	14	-1796	5422	
3-26-84	1CC186	1722	1100	-622	6522	
3-26-84	1CC187					
3-27-84	1CC190	8	1903	+1895	8425	
3-27-84	1CC208					
3-27-84	1CC215	9	260	+251	8685	
6-24-84	1CV3	185	17	-168	8702	
6-24-84	1CV4					
6-24-84	1CV5					
4-5-84	1CV7	44	550	+506	9252	
6-11-84	1CV68 or 69	59	367	+308	9619	
6-12-84	1CV74	1983	850	-1133	10469	
4-17-84	1CV116	251	0	-251	-	

ENCLOSURE 7
UNITS 1 AND 2
CONTAINMENT TYPE B AND C TOTAL LEAKAGE SUMMARY SHEET

Allowable Type B and C leakage (0.6 La) = 129,750 SCCM per unit.
Allowable air lock leakage (0.05 La) = 10,812 SCCM per unit.

TEST DATE	COMPONENT(S) TESTED	PREVIOUS LEAKAGE SCCM	CURRENT LEAKAGE SCCM	DELTA LEAKAGE SCCM	PRESENT SUM B & C LEAKAGE (SCCM)	REMARKS
4-17-84	1CV284	116	3200	+3084	13669	
	1CV296					
6-13-84	1DR29	13	6	-7	13675	
6-13-84	1DR30	104	3	-101	13678	
6-9-84	1FP147	76	1980	+1904	15658	
4-26-84	1FP148	1800	118	-1682	15786	
6-24-84	11GB4	2	0	-2		
6-23-84	12GB4	350	5.1	-344.9	15781.1	
6-22-84	13GB4	112	23	-89	15804.1	
6-29-84	14GB4	202	0	-202		
5-5-84	1NT25	227	55	-172	15859.1	
6-15-84	1NT26	150	114	-36	15983.1	
3-19-84	1NT32	52	61	+9	16034.1	
3-19-84	1NT34	297	150	-147	16184.1	

MAINTENANCE PROCEDURE M16E
ENCLOSURE
UNITS 1 AND 2
CONTAINMENT TYPE B AND C TOTAL LEAKAGE SUMMARY SHEET

Allowable Type B and C leakage (0.6 La) = 129,750 SCCM per unit.
Allowable air lock leakage (0.05 La) = 10,812 SCCM per unit.

TEST DATE	COMPONENT(S) TESTED	PREVIOUS LEAKAGE SCCM	CURRENT LEAKAGE SCCM	DELTA LEAKAGE SCCM	PRESENT SUM B & C LEAKAGE (SCCM)	REMARKS
5-30-84	1PR17	752	0	-752	16184.1	
5-30-84	1PR18	71	0	-71	16184.1	
5-4-84	1SJ53	0	0	0	16184.1	
5-4-84	1SJ60					
5-4-84	1SJ123	0	0	0	16184.1	
5-2-84	1SS27	0	14	+14	16198.1	
6-6-84	1SS33	9	35	+26	16233.1	
3-17-84	1SS49	0	18	+18	16251.1	
5-16-84	1SS64	5	0	-5	16251.1	
3-16-84	11SS94	69	0	-69	16251.1	
3-15-84	12SS94	27	75	+48	16326.1	
3-16-84	13SS94	90	8	-82	16334.1	
3-15-84	14SS94	19	0	-19	16334.1	
5-2-84	1SS103	4	0	-4	16334.1	

MAINTENANCE PROCEDURE M16E
ENCLOSURE 7
UNITS 1 AND 2
CONTAINMENT TYPE B AND C TOTAL LEAKAGE SUMMARY SHEET

Allowable Type B and C leakage (0.6 La) = 129,750 SCCM per unit.
Allowable air lock leakage (0.05 La) = 10,812 SCCM per unit.

TEST DATE	COMPONENT(S) TESTED	PREVIOUS LEAKAGE SCCM	CURRENT LEAKAGE SCCM	DELTA LEAKAGE SCCM	PRESENT SUM B & C LEAKAGE (SCCM)	REMARKS
5-22-84	1SS104	14	15	+1	16349.1	
3-17-84	1SS107	1	20	+19	16369.1	
5-16-84	1SS110	4	0	-4	16369.1	
3-24-84	11SS181	5	40	+35	16409.1	
6-6-84	11SS182	105	220	+115	16629.1	
6-6-84	11SS188	64	0	-64	16629.1	
6-6-84	11SS189	8	0	-8	16629.1	
3-24-84	13SS181	0	12	+12	16641.1	
7-1-84	13SS182	49	158	+109	16799.1	
3-24-84	13SS184	0	26	+26	16825.1	
3-24-84	13SS185	17	5	-12	16830.1	
6-29-84	1SF22	0	0	0	16830.1	
6-29-84	1SF36	0	0	0	16830.1	
6-3-84	1SA118	634	731	+97	17561.1	

MAINTENANCE PROCEDURE M16E
ENCLOSURE 7
UNITS 1 AND 2
CONTAINMENT TYPE B AND C TOTAL LEAKAGE SUMMARY SHEET

Allowable Type B and C leakage (0.6 La) = 129,750 SCCM per unit.
Allowable air lock leakage (0.05 La) = 10,812 SCCM per unit.

TEST DATE	COMPONENT(S) TESTED	PREVIOUS LEAKAGE SCCM	CURRENT LEAKAGE SCCM	DELTA LEAKAGE SCCM	PRESENT SUM B & C LEAKAGE (SCCM)	REMARKS
7-7-84	1SA119	596	1554	+958	19115.1	
5-5-84	1SA270	25.6	0	-25.6	19115.1	
4-23-84	1SA268	39.3	30	-9.3	19145.1	
5-5-84	1SA267	25.6	0	-25.6	19145.1	
4-23-84	1SA265	39.3	30	-9.6	19175.1	
6-9-84	1SA264	25.6	0	-25.6	19175.1	
4-23-84	1SA262	39.3	30	-9.6	19205.1	
3-8-84	1VC1&2	810	1300	+490	20505.1	
3-8-84	1VC3&4	488	1120	+632	20625.1	
3-8-84	1VC5&6	238	270	+32	21895.1	
3-14-84	1VC7	29	68	+39	21963.1	
6-1-84	1VC8	43	0	-43	21963.1	
3-10-84	1VC9	38	0	-38	21963.1	
3-10-84	1VC10	42	33	-9	21996.1	

MAINTENANCE PROCEDURE M16E
ENCLOSURE 7
UNITS 1 AND 2
CONTAINMENT TYPE B AND C TOTAL LEAKAGE SUMMARY SHEET

Allowable Type B and C leakage (0.6 La) = 129,750 SCCM per unit.
Allowable air lock leakage (0.05 La) = 10,812 SCCM per unit.

TEST DATE	COMPONENT(S) TESTED	PREVIOUS LEAKAGE SCCM	CURRENT LEAKAGE SCCM	DELTA LEAKAGE SCCM	PRESENT SUM B & C LEAKAGE (SCCM)	REMARKS
3-14-84	1VC11	188	14.2	-173.8	22010.3	
3-14-84	1VC12	1	28.3	+27.3	22038.6	
3-10-84	1VC13	1	0	-1	22038.6	
3-10-84	1VC14	3	1	-2	22039.6	
3-12-84	11VC17	0	14.4	+14.4	22054	
3-12-84	11VC18	6	9.2	+3.2	22073.2	
3-12-84	11VC19	0	0	0	22073.2	
3-12-84	11VC20	2	9.5	+7.5	22072.7	
3-14-84	12VC17	183	26.8	-156.2	22099.5	
6-1-84	12VC18	11	55	+44	22154.5	
6-1-84	12VC19	112	0	-112	22154.5	
3-14-84	12VC20	0	11	+11	22165.5	
5-30-84	1WL12	7	60	+43	22225.5	
5-30-84	1WL13	7	15	+8	22240.5	

MAINTENANCE PROCEDURE M16E
ENCLOSURE 7
UNITS 1 AND 2
CONTAINMENT TYPE B AND C TOTAL LEAKAGE SUMMARY SHEET

Allowable Type B and C leakage (0.6 La) = 129,750 SCCM per unit.
Allowable air lock leakage (0.05 La) = 10,812 SCCM per unit.

TEST DATE	COMPONENT(S) TESTED	PREVIOUS LEAKAGE SCCM	CURRENT LEAKAGE SCCM	DELTA LEAKAGE SCCM	PRESENT SUM B & C LEAKAGE (SCCM)	REMARKS
6-22-84	1WL16	0	887	+887	23127.5	
6-22-84	1WL17	0	182	+182	23309.5	
6-28-84	1WL96	0	0	0	23309.5	
5-24-84	1WL97	0	0	0	23309.5	
6-11-84	1WL98	0	1	+1	23310.5	
6-11-84	1WL99	87	2	-85	23312.5	
6-11-84	1WL108					
6-29-84	1WL190	0	0	0	23312.5	
6-29-84	1WL191	0	0	0	23312.5	
7-3-84	1WR80	17	80	+63	23392.5	
7-18-84	1WR81	0	0	0	23392.5	
7-31-84	11CA360	No. Prev Test	26.4	+26.4	23418.9	Added to Type "C" list 7-30-84 per Engineering re-evaluation
7-31-84	12CA360	No. Prev Test	293	+293	23711.9	
8-2-84	1CC119	No. Prev Test	0	0	23711.9	

MAINTENANCE PROCEDURE M16E
ENCLOSURE 7
UNITS 1 AND 2
CONTAINMENT TYPE B AND C TOTAL LEAKAGE SUMMARY SHEET

Allowable Type B and C leakage (0.6 La) = 129,750 SCCM per unit.
Allowable air lock leakage (0.05 La) = 10,812 SCCM per unit.

TEST DATE	COMPONENT(S) TESTED	PREVIOUS LEAKAGE SCCM	CURRENT LEAKAGE SCCM	DELTA LEAKAGE SCCM	PRESENT SUM B & C LEAKAGE (SCCM)	REMARKS
1-10-84	FUEL XFER BLANK FLANGE		2.9		23714.8	
6-27-84	11SJ VLV RM. CVR	10	1.9	-8.1	23716.7	
6-27-84	12SJ VLV RM. CVR	0	1	+1	23717.7	
8-3-84	100' AIRLOCK	12,190	2144	-10,046	25861.7	
7-26-84	130' AIRLOCK	3,620	1671	1,949	27532.7	
5-31-84	ALL ELECT. PENS	0	0	0	27532.7	
8-4-84	130' EQUIP HATCH	860	3.6		27536.3	
7-26-84	1VC1&2	1300	343	-957	26579.3	Retested after Cont. Purge & after mod for Type "A" Test.
7-26-84	1VC3&4	1120	202	-918	25661.3	
7-27-84	1VC5&6	270	4,133	+3863	29524.3	