ASSESSMENT OF ERROR DUE TO ORIFICE DIAMETER MIS-MEASUREMENT AT BLACKROD

A Report for

**National Grid
Brick Kiln Street
HINCKLEY
Leicestershire
LE10 0NA**

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A Report for

**National Grid
Brick Kiln Street
HINCKLEY
Leicestershire
LE10 0NA**

Prepared by:　　　　　　　　　　　　　　　　　　　　　　Date: 1 June 2010

　　　　Dr M J Reader-Harris

Approved by:　　　　　　　　　　　　　　　　　　　　　　Date: 1 June 2010

　　　　J M McNaught

　　　　　　　　　　　　　　　　　　　　　　for M Valente
　　　　　　　　　　　　　　　　　　　　　　Managing Director

CONTENTS

1 INTRODUCTION

Owing to a mis-measurement of orifice diameters flows have been mis-measured at affected offtakes connected to the National Transmission System. This project has been undertaken to resolve these errors. This report covers the flows through Blackrod in the period of the error. The Joint Office Error Codes are NW001 and NW002 for meter tubes MTA and MTB.

2 ORIFICE DIAMETERS

The calibrations of the orifice plates in question gave the measured diameters shown in Table 1. The diameters at 20 °C have been calculated. The effective bores include the effect of a drain hole to BS ISO/TR 15377:1998.

TABLE 1

ORIFICE DIAMETERS

Calibration Reference	Plate serial no	Declared certificate date	Measured values			Values at 20 °C	
			Orifice bore (mm)	Effective bore (mm)	Temperature	Orifice bore (mm)	Effective bore (mm)
3112	226	27/07/03	366.5015		21	366.4956	
3113	225	27/07/03	366.843		21	366.8371	
4124	225	05/08/04	366.8525	367.0033	21	366.8466	366.9975
4125	226	05/08/04	364.5075	364.6598	21	364.5017	364.654
4185	225-1	04/01/05	366.4775		21	366.4716	
50164	225-1	27/07/05	366.4845		21	366.4786	
50165	226-1	27/07/05	366.578		21	366.5721	
50199	226	29/06/06	366.499	366.6505	21	366.4931	366.6447
50200	225	10/07/06	366.846	366.9971	21	366.8401	366.9913
60147	226-1	07/12/06	366.25		21	366.2441	
60148	225-1	06/12/06	366.156		21	366.1501	
70077	225	16/07/07	366.524	366.6744	20	366.524	366.6744
70096	226	27/09/07	366.1955	366.3466	20	366.1955	366.3466
80017	225-2	14/05/08	366.488	366.6384	19	366.4939	366.6442
80075	225	31/10/08	366.8515	367.0034	20.2	366.8503	367.0023
80076	225-1	07/11/08	366.4895		20.3	366.4877	

Figure 1 shows the data from Table 1 for the orifice bores at 20°C (omitting 4125, which is outside the period under consideration and is an error for which a correction has previously been made). This figure shows that there is a reduction in measured diameter followed by a recovery. The deduction from this graph is that for a period of time in late 2006 and 2007 the plates were mis-measured.

The calibration certificates for the orifice plates are given as Appendix A. The Flow Computer configurations are given as Appendix B.
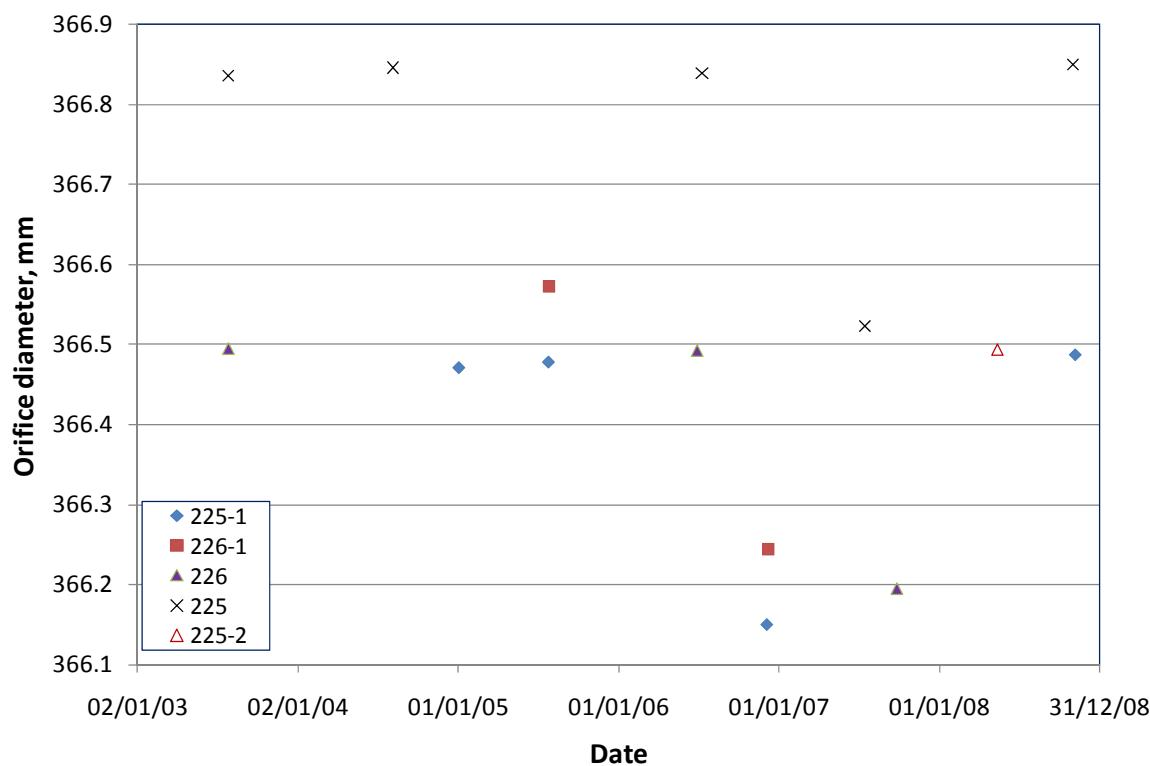
Figure 1   Orifice Diameters at 20 °C

The plates actually used in each of the two meter tubes MTA and MTB can be determined from Table 2 in conjunction with Table 1.

TABLE 2

PLATES USED IN EACH LINE AS CONFIGURED BY FLOW COMPUTER

MTA	Before 16/07/2007	16/07/2007	18/07/2007	15/07/2008	02/07/2009
Orifice plate bore diameter (mm)	366.846	366.156	366.156	366.3466	367.0034
Expansion coefficient of the plate (/°C)	0.000016	0.000016	0.000016	0.000016	0.000016
Orifice plate calibration temperature	21	21	21	20	20.2
Meter tube diameter (mm)	730.1738	730.1738	730.1738	730.1738	730.1738
Expansion coefficient of the meter tube (/°C)	0.000011	0.000011	0.000011	0.000011	0.000011
Meter tube calibration temperature	20	20	20	20	20
Isentropic Exponent	1.3256	1.3256	1.3257	1.328646	1.328626
Dynamic Viscosity (Pa.s)	0.0000118	0.0000118	0.0000119	0.0000117	0.0000117
Orifice plate certificate number	OP50200	OP60148	OP60148	OP70096	OP80075
Orifice plate serial number	225	225-1	225-1	226	225
Error in orifice diameter?	No	Yes	Yes	Yes	No
MTB					
Orifice plate bore diameter (mm)	366.499	366.499	366.6744	366.6384	366.4895
Expansion coefficient of the plate (/°C)	0.000016	0.000016	0.000016	0.000016	0.000016
Orifice plate calibration temperature	21	21	20	19	20.3
Meter tube diameter (mm)	730.2849	730.2849	730.2849	730.2849	730.2849
Expansion coefficient of the meter tube (/°C)	0.000011	0.000011	0.000011	0.000011	0.000011
Meter tube calibration temperature	20	20	20	20	20
Isentropic Exponent	1.3256	1.3256	1.3257	1.328646	1.328626
Dynamic Viscosity (Pa.s)	0.0000118	0.0000118	0.0000119	0.0000117	0.0000117
Orifice plate certificate number	OP50199	OP50199	OP70077	OP80017	OP80076
Orifice plate serial number	226	226	225	225-2	225-1
Error in orifice diameter?	No	No	Yes	No	No

On MTA before 16/07/2007 and on MTB both before 16/07/2007 and on 16/07/2007 the orifice diameters in the flow computer did not include the effect of the drain hole; however, the effect on the error due to mis-measurement of the orifice diameters (as distinct from failure to include the effect of the drain hole in the flow computer) is negligible (of the order of 0.00001%).

3   CORRECTING THE FLOWRATE

To correct the measured flowrate by replacing an incorrect diameter with the correct diameter might appear to be fairly straightforward. However, the data supplied only give time to the nearest minute and at four-minute intervals. This is inadequate for very accurate calculation. It is possible to calculate the flow over each time interval and to add the values over a day; this method can be used to check that the calculations are being done correctly, but the differences between the summed figures and the ones already given in the spreadsheet are too large to enable the correction to be calculated in this way. An alternative method has therefore been used.

The mass flowrate q_m is given by

$$q_m = \frac{\pi d^2 C \varepsilon \sqrt{2\rho\Delta p}}{4\sqrt{1-\beta^4}}$$

where d is the orifice diameter, C is the discharge coefficient, ε is the expansibility, ρ is the density, Δp is the differential pressure, and β is the diameter ratio.

If the corrected and original data are described with subscripts c and o, then the following correction factor is obtained:

$$\frac{q_{m,c}}{q_{m,o}} = \left(\frac{d_c}{d_o}\right)^2 \frac{C_c \varepsilon_c}{C_o \varepsilon_o} \sqrt{\frac{1-\beta_o^4}{1-\beta_c^4}}$$

The correct effective diameter is taken as the average of the measurements shown in Table 1 for that plate excluding the erroneous measurement. 3112, 3113 and 4125 are excluded because in the case of 3112 and 3113 the effective bore is different from later values since no drain hole is included and 4125, as stated earlier, is in error. It is then necessary to calculate C and ε in each case, and they were determined from the equations in ISO 5167-1:1991. A change of 0.2% in Reynolds number causes such a small change in C that iteration is not required. Neglecting iteration causes a change of less than 0.000001% in C. C is a function of β and Re_D; so there is a change in C due to β, but the change varies with Reynolds number. A differential pressure of 10 mbar gives a pipe Reynolds number of around 3×10^6 in each tube; a differential pressure of 500 mbar gives a pipe Reynolds number of around 2×10^7. Throughout the calculations the upstream pressure p_1 is taken as 53 bar a; the change in $q_{m,c}/q_{m,o}$ due to changing the static pressure by 10 bar is around 0.00001% at maximum.

Over the period from 16/07/2007 to 15/07/2008 the correction on MTA can be calculated as in Table 3. Throughout this calculation the meter tube diameter D is 730.1738 mm and the isentropic exponent κ is 1.3257.

TABLE 3

THE CORRECTION ON MTA FROM 16/07/2007 TO 15/07/2008

	d mm	β	ε	$\left(\dfrac{d_c}{d_o}\right)^2 \dfrac{\varepsilon_c}{\varepsilon_o}\sqrt{\dfrac{1-\beta_o^4}{1-\beta_c^4}}$	Re_D	C	$\dfrac{q_{m,c}}{q_{m,o}}$
Original: Δp=10 mbar	366.1501	0.501456	0.999938		3.000×10^6	0.602777	
Corrected Δp=10 mbar	366.4793	0.501907	0.999938	1.00192075	3.006×10^6	0.602786	1.0019359
Original Δp=500 mbar	366.1501	0.501456	0.996925		2.000×10^7	0.602605	
Corrected Δp=500 mbar	366.4793	0.501907	0.996924	1.00192019	2.004×10^7	0.602614	1.0019351

So $q_{m,c}/q_{m,o}$ is 1.001936.

Over the period from 18/07/2007 to 15/07/2008 the correction on MTB can be calculated as in Table 4; throughout this calculation D = 730.2849 mm and κ = 1.3257.

TABLE 4

THE CORRECTION ON MTB FROM 18/07/2007 TO 15/07/2008

	d mm	β	ε	$\left(\dfrac{d_c}{d_o}\right)^2 \dfrac{\varepsilon_c}{\varepsilon_o}\sqrt{\dfrac{1-\beta_o^4}{1-\beta_c^4}}$	Re_D	C	$\dfrac{q_{m,c}}{q_{m,o}}$
Original: Δp=10 mbar	366.6744	0.502098	0.999938		3.000×10^6	0.602790	
Corrected Δp=10 mbar	366.997	0.502539	0.999938	1.00188017	3.006×10^6	0.602799	1.0018950
Original Δp=500 mbar	366.6744	0.502098	0.996924		2.000×10^7	0.602618	
Corrected Δp=500 mbar	366.997	0.502539	0.996923	1.00187962	2.004×10^7	0.602626	1.0018942

So $q_{m,c}/q_{m,o}$ is 1.001895.

Over the period from 15/07/2008 to 02/07/2009 the correction on MTA can be calculated as in Table 5; throughout this calculation D = 730.1738 mm and κ = 1.328646.

TABLE 5

THE CORRECTION ON MTA FROM 15/07/2008 TO 02/07/2009

	d mm	β	ε	$\left(\dfrac{d_c}{d_o}\right)^2 \dfrac{\varepsilon_c}{\varepsilon_o}\sqrt{\dfrac{1-\beta_o^4}{1-\beta_c^4}}$	Re_D	C	$\dfrac{q_{m,c}}{q_{m,o}}$
Original: Δp=10 mbar	366.3466	0.501725	0.999939		3.000×10^6	0.602782	
Corrected Δp=10 mbar	366.6447	0.502133	0.999939	1.00173851	3.005×10^6	0.602790	1.0017522
Original Δp=500 mbar	366.3466	0.501725	0.996931		2.000×10^7	0.602610	
Corrected Δp=500 mbar	366.6447	0.502133	0.996931	1.001738	2.003×10^7	0.602618	1.0017515

So $q_{m,c}/q_{m,o}$ is 1.001752.

4 CORRECTIONS ON A DAILY BASIS

Each (approximately four-minute) interval was considered and the flow (here and throughout this paragraph flow refers to standard volume flow) was calculated in each tube; the flowrate during the interval was taken as the average of that at the beginning and that at the end of the interval. The interval is only known to the nearest minute; so the flow in MTA during the interval was calculated by taking the product of the total flow (supplied by National Grid) during that interval and the ratio of the calculated flow in MTA to the sum of the calculated flows in the tubes. Intervals in which the calculated flow in both MTA and MTB is zero have been disregarded. Then on taking account of the effects at the beginning and end of each day the sum of the daily flow in MTA (obtained by summing the flows in each interval) and that in MTB (obtained the same way) should be equal to the total flow in that day. To ensure that the sum of the daily flows is exactly equal to the total daily flow the individual totals were scaled. Then the increase in daily flow was calculated for each of the two daily flows by using the percentage increase for each tube given above. Finally the total increase in the daily flow is the sum of the increases for the two tubes. The results are given in Table C.1 of Appendix C. The data for one day (20th October 2008, chosen because it has flows in both tubes but one of the tubes does not run throughout the day) have been supplied separately on a spreadsheet for checking purposes.

5 CONCLUSIONS

Correction factors should be applied as shown in Table 6.

TABLE 6

CORRECTION FACTORS

Meter tube	Date	Correction factor $q_{m,c}/q_{m,o}$
MTA	16/07/2007 to 15/07/2008	1.001936
MTB	18/07/2007 to 15/07/2008	1.001895
MTA	15/07/2008 to 02/07/2009	1.001752

These correction factors apply to both measured volume and measured energy.

On applying these corrections the corrected volumes are as shown in Appendix C.

APPENDIX A ORIFICE PLATE CALIBRATION CERTIFICATES

TRANSCO ORIFICE PLATE CALIBRATION

DATE:	05-08-04
REF NO:	OP4124
TEMPERATURE:	21 degsC
MEASURED ORIFICE BORE:	366.8525mm

==

PLATE DETAILS

PLATE SERIAL. 225	PLATE O.D	774.722mm	
MANUFACTURER:	PIPE I.D:	730.275mm	SITE: BLACKROD
MATERIAL CERT.No.	DESIGN BORE:	366.496mm	FLOW: 1.359 x 10E7 M^3/day

==

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   CERT:- 3858   NEXT CAL DUE:- 17/10/04

==

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.025	0.019	0.020	0.012	0.023	0.018	0.028	0.021
'E' mm	12.470	12.527	12.552	12.546	12.504	12.457	12.452	12.455
'e' mm								
EDGE SHARPNESS mm	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125

CONCENTRICITY   0.110mm

SURFACE FINISH (Ra)   5 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS: 0.018mm   TAPER: 0 degs

BEVEL ANGLE: DEGS

DRAIN HOLE BORE   10.030mm   CENTRE DISTANCE   479.886mm

COMMENTS:

INSPECTED BY ....   G.WARDLE

TRANSCO ORIFICE PLATE CALIBRATION

DATE: 05-08-04

REF NO: OP4125

TEMPERATURE: 21 degsC

MEASURED ORIFICE BORE: 364.5075mm

===

PLATE DETAILS

```
PLATE SERIAL.      226                PLATE O.D     774.787mm
MANUFACTURER:                         PIPE I.D:     730.326mm    SITE:     BLACKROD
MATERIAL CERT.No.                     DESIGN BORE:  366.572mm    FLOW:     1.359
```

===

TEST EQUIPMENT

```
MANUFACTURER & TYPE:        KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE  -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,       CERT:- 3858       NEXT CAL DUE:- 17/10/04
```

===

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.124	0.048	0.136	0.151	0.102	0.110	0.165	0.118
'E' mm	12.664	12.671	12.654	12.636	12.659	12.661	12.645	12.641
'e' mm								
EDGE SHARPNESS mm	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025

```
CONCENTRICITY          0.068mm

SURFACE FINISH (Ra)     2.5 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS:   0.015mm      TAPER:    .73 degs

BEVEL ANGLE:            DEGS

       DRAIN HOLE BORE    10.047mm              CENTRE DISTANCE     512.789mm

COMMENTS:

INSPECTED BY ......................      G.WARDLE
```

TRANSCO ORIFICE PLATE CALIBRATION

DATE: *4-01-05*

REF NO: *OP4185*

TEMPERATURE: *21 degsC*

MEASURED ORIFICE BORE: *366.4775mm*

===

PLATE DETAILS

PLATE SERIAL.   225-1   PLATE O.D   774.749mm
MANUFACTURER: PIPE I.D: 730.275mm   SITE: BLACKROD
MATERIAL CERT.No.   DESIGN BORE: 366.496mm   FLOW:

===

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   CERT:- 4820   NEXT CAL DUE:- 15/10/05

===

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.165	0.150	0.159	0.167	0.189	0.174	0.191	0.158
'E' mm	12.797	12.819	12.824	12.798	12.802	12.760	12.761	12.770
'e' mm								
EDGE SHARPNESS mm	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025

BEVEL ANGLE: DEGS

CONCENTRICITY   0.070mm

SURFACE FINISH (Ra)   2 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS : 0.016mm   TAPER: 0 degs

COMMENTS:

INSPECTED BY.............................   G.WARDLE

VERIFIED BY..............................   P.KENNERSON

TRANSCO ORIFICE PLATE CALIBRATION

DATE: *27-07-05*

REF NO: *OP50164*

TEMPERATURE: *21 degsC*

MEASURED ORIFICE BORE: *366.4845mm*

===

PLATE DETAILS

```
PLATE SERIAL.    225-1                 PLATE O.D      774.759mm
MANUFACTURER:                          PIPE I.D:      730.326mm    SITE:    BLACKROD
MATERIAL CERT.No.                      DESIGN BORE:   366.572mm    FLOW:
```

===

TEST EQUIPMENT

```
MANUFACTURER & TYPE:        KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE  -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,        CERT:- 4820      NEXT CAL DUE:- 15/10/05
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===

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.169	0.167	0.163	0.171	0.167	0.155	0.169	0.166
'E' mm	12.784	12.805	12.819	12.799	12.790	12.783	12.756	12.757
'e' mm								
EDGE SHARPNESS mm	0.025	0.025	0.025	0.025	0.025	0.025	0.025	0.025

BEVEL ANGLE: DEGS

CONCENTRICITY   0.079mm

SURFACE FINISH (Ra)   0.4 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS : 0.011mm   TAPER: 0 degs

COMMENTS:

INSPECTED BY........................... G.WARDLE

VERIFIED BY....................... P.KENNERSON

TRANSCO ORIFICE PLATE CALIBRATION

DATE: 27-07-05

REF NO: OP50165

TEMPERATURE: 21 degsC

MEASURED ORIFICE BORE: 366.578mm

===

PLATE DETAILS

PLATE SERIAL.   226-1   PLATE O.D   774.831mm
MANUFACTURER: PIPE I.D: 730.275mm   SITE: BLACKROD
MATERIAL CERT.No.   DESIGN BORE: 366.496mm   FLOW:

===

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   CERT:- 4820   NEXT CAL DUE:- 15/10/05

===

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.167	0.172	0.160	0.148	0.150	0.159	0.187	0.160
'E' mm	12.774	12.784	12.795	12.798	12.789	12.792	12.772	12.755
'e' mm								
EDGE SHARPNESS mm	0.025	0.0375	0.0375	0.0375	0.025	0.05	0.025	0.025

BEVEL ANGLE: DEGS

CONCENTRICITY   0.095mm

SURFACE FINISH (Ra)   1.4 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS : 0.006mm   TAPER: 0 degs

COMMENTS:

INSPECTED BY............................ G.WARDLE

VERIFIED BY............................. P.KENNERSON

NATIONAL GRID ORIFICE PLATE CALIBRATION

DATE:	*29-06-06*
REF NO:	*OP50199*
TEMPERATURE:	*21 degsC*
MEASURED ORIFICE BORE:	*366.499mm*

==

PLATE DETAILS

PLATE SERIAL.   226   PLATE O.D   774.764mm
MANUFACTURER: PIPE I.D: 730.326mm   SITE: BLACKROD
MATERIAL CERT.No.   DESIGN BORE: 366.572mm   FLOW:

==

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   CERT:- 4820   NEXT CAL DUE:- 14/10/06

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UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.107	0.035	0.121	0.129	0.111	0.069	0.140	0.091
'E' mm	12.671	12.685	12.660	12.643	12.649	12.663	12.648	12.653
'e' mm								
EDGE SHARPNESS mm	0.0125	0.0125	0.025	0.0125	0.0125	0.025	0.0125	0.0125

BEVEL ANGLE: DEGS

CONCENTRICITY   0.053mm

SURFACE FINISH (Ra)   1.5 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS :   0.013mm   TAPER: 0 degs

DRAIN HOLE BORE   10.049mm   CENTRE DISTANCE   506.492mm

COMMENTS:

INSPECTED BY...................... P.KENNERSON /J. CHAUHAN
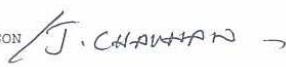
NATIONAL GRID ORIFICE PLATE CALIBRATION

DATE: 10-07-06

REF NO: OP50200

TEMPERATURE: 21 degsC

MEASURED ORIFICE BORE: 366.846mm

==

PLATE DETAILS

PLATE SERIAL.   225   PLATE O.D   774.725mm
MANUFACTURER: PIPE I.D: 730.275mm   SITE: BLACKROD
MATERIAL CERT.No.   DESIGN BORE: 366.496mm   FLOW:

==

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   CERT:- 4820   NEXT CAL DUE:- 14/10/06

==

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.013	0.018	0.017	0.012	0.023	0.019	0.019	0.017
'E' mm	12.479	12.511	12.545	12.552	12.521	12.475	12.457	12.455
'e' mm								
EDGE SHARPNESS mm	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125	0.0125

BEVEL ANGLE: DEGS

CONCENTRICITY   0.092mm

SURFACE FINISH (Ra)   4.6 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS :   0.006mm   TAPER: 0 degs

DRAIN HOLE BORE   10.040mm   CENTRE DISTANCE   510.360mm

COMMENTS:

INSPECTED BY......   P.KENNERSON J.CHACONAN.

NATIONAL GRID ORIFICE PLATE CALIBRATION

DATE: 07-12-06

REF NO: OP60147

TEMPERATURE: 21 degsC

MEASURED ORIFICE BORE: 366.25mm
===

PLATE DETAILS

PLATE SERIAL.   226-1   PLATE O.D   774.160mm
MANUFACTURER: PIPE I.D: 730.275mm   SITE: BLACKROD
MATERIAL CERT.No.   DESIGN BORE: 366.496mm   FLOW:

===

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   CERT:- 4820   NEXT CAL DUE:- 13/10/07

===

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.158	0.171	0.148	0.139	0.135	0.151	0.176	0.143
'E' mm	12.847	12.863	12.792	12.796	12.835	12.835	12.781	12.759
'e' mm								
EDGE SHARPNESS mm	0.025	0.0375	0.025	0.025	0.0125	0.0375	0.025	0.025

BEVEL ANGLE: DEGS

CONCENTRICITY   0.156mm

SURFACE FINISH (Ra)   1.9 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS : 0.368mm   TAPER: 0 degs

COMMENTS:

INSPECTED BY...../.......... P.KENNERSON

NATIONAL GRID ORIFICE PLATE CALIBRATION

DATE: 06-12-06

REF NO: OP60148

TEMPERATURE: 21 degsC

MEASURED ORIFICE BORE: 366.156mm
==

PLATE DETAILS

PLATE SERIAL.   225-1   PLATE O.D   774.126mm
MANUFACTURER: PIPE I.D: 730.326mm   SITE: BLACKROD
MATERIAL CERT.No.   DESIGN BORE: 366.522mm   FLOW:

==

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   CERT:- 4820   NEXT CAL DUE:- 13/10/07

==

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.169	0.167	0.172	0.159	0.162	0.162	0.151	0.162
'E' mm	12.871	12.889	12.786	12.785	12.830	12.811	12.740	12.744
'e' mm								
EDGE SHARPNESS mm	0.025	0.025	0.025	0.025	0.0375	0.025	0.025	0.025

BEVEL ANGLE: DEGS

CONCENTRICITY   0.042mm

SURFACE FINISH (Ra)   1.1 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS : 0.363mm   TAPER: 0 degs

COMMENTS:

INSPECTED BY...................... P.KENNERSON

NATIONAL GRID ORIFICE PLATE CALIBRATION

DATE:	16-JULY-2007
REF NO:	OP70077
TEMPERATURE:	20 degsC
MEASURED ORIFICE BORE:	366.524mm

===

PLATE DETAILS

PLATE SERIAL.	225	PLATE O.D	773.880mm		
MANUFACTURER:	HEECO	PIPE I.D:	730.2849mm	SITE:	BLACKROD
MATERIAL CERT.No.		DESIGN BORE:	366.496mmmm	FLOW:	

===

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   CERT:- 4820   NEXT CAL DUE:- 13/10/07

===

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.023	0.020	0.018	0.009	0.019	0.034	0.015	0.031
'E' mm	12.562	12.591	12.545	12.509	12.531	12.502	12.432	12.444
'e' mm								
EDGE SHARPNESS mm	0.0125	SQUARE	0.025	SQUARE	SQUARE	0.0125	0.0125	0.0125

BEVEL ANGLE: DEGS

CONCENTRICITY   0.063mm

SURFACE FINISH (Ra)   3.6 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS :   0.323mm   TAPER: 0 degs

DRAIN HOLE BORE   10.012mm   CENTRE DISTANCE   394.487mm

COMMENTS:

INSPECTED BY:................................ M.Livingstone

NATIONAL GRID ORIFICE PLATE CALIBRATION

DATE:	*27-SEPT-2007*
REF NO:	*OP70096*
TEMPERATURE:	*20 degsC*
MEASURED ORIFICE BORE:	*366.1955mm*

===

PLATE DETAILS

PLATE SERIAL.	226	PLATE O.D	774.187mm		
MANUFACTURER:		PIPE I.D:	mm	SITE:	BLACKROD
MATERIAL CERT.No.		DESIGN BORE:	mm	FLOW:	

===

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02

CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   CERT:- 4820   NEXT CAL DUE:- 13/10/07

===

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.119	0.068	0.124	0.122	0.096	0.077	0.160	0.101
'E' mm	12.701	12.726	12.643	12.636	12.701	12.706	12.638	12.639
'e' mm								
EDGE SHARPNESS mm	SQUARE	0.025	0.025	0.0125	SQUARE	0.025	SQUARE	SQUARE

BEVEL ANGLE: DEGS

CONCENTRICITY   0.192mm

SURFACE FINISH (Ra)   0.5 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS :   0.313mm   TAPER: 0 degs

DRAIN HOLE BORE   10.030mm   CENTRE DISTANCE   499.142mm

COMMENTS:

INSPECTED BY..................... M LIVINGSTONE

NATIONAL GRID ORIFICE PLATE CALIBRATION

DATE: *14-MAY-2008*

REF NO: *OP80017*

TEMPERATURE: *19 degsC*

MEASURED ORIFICE BORE: 366.488mm
==

PLATE DETAILS

PLATE SERIAL.	225-2	PLATE O.D	774.931mm		
MANUFACTURER:	ANT	PIPE I.D:	730.1738mm	SITE:	BLACKROD
MATERIAL CERT.No.	ANT21286	DESIGN BORE:	mm	FLOW:	M^3/DAY

==

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   CERT:- 6292   NEXT CAL DUE:- 05-OCTOBER-2008

==

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.081	0.135	0.035	0.055	0.055	0.108	0.055	0.041
'E' mm	12.573	12.552	12.587	12.577	12.550	12.576	12.568	12.571
'e' mm								
EDGE SHARPNESS mm	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375	0.0375

BEVEL ANGLE: DEGS

CONCENTRICITY   0.024mm

SURFACE FINISH (Ra)   1 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS :   0.006mm   TAPER: 0 degs

        DRAIN HOLE BORE   10.010mm   CENTRE DISTANCE   439.594mm

COMMENTS:

INSPECTED BY.................... M Livingstone.

NATIONAL GRID ORIFICE PLATE CALIBRATION

DATE: 31-OCT-2008

REF NO: OP80075

TEMPERATURE: 20.2 degsC

MEASURED ORIFICE BORE: 366.8515mm

==

PLATE DETAILS

```
PLATE SERIAL.     225              PLATE O.D     774.739mm
MANUFACTURER:                      PIPE I.D:     730.1738mm   SITE:    BLACKROD
MATERIAL CERT.No.                  DESIGN BORE:  366.496mm    FLOW:    M^3/DAY
```

==

TEST EQUIPMENT

MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   UKAS CERT:- 6822.   NEXT CAL DUE:- 03-OCTOBER-2009

==

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.015	0.007	0.015	0.002	0.017	0.015	0.012	0.009
'E' mm	12.455	12.475	12.547	12.556	12.509	12.463	12.455	12.456
'e' mm								
EDGE SHARPNESS mm	0.0125	0.0125	0.0125	0.025	0.0125	0.0125	0.0125	0.0125

BEVEL ANGLE: DEGS

CONCENTRICITY   0.084mm

SURFACE FINISH (Ra)   4.5 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS :   0.008mm   TAPER: 0 degs

```
         DRAIN HOLE BORE    10.067mm              CENTRE DISTANCE    510.627mm
```

DRAINHOLE PRESENT ? (YES/NO): Yes

COMMENTS: SOME GREASE TO UPSTREAM FACE RIM

INSPECTED BY................... M Livingstone.
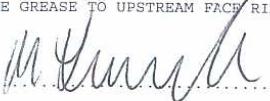
NATIONAL GRID ORIFICE PLATE CALIBRATION

DATE: 7-NOV-2008

REF NO: OP80076

TEMPERATURE: 20.3 degsC

MEASURED ORIFICE BORE: 366.4895mm

===

PLATE DETAILS

```
PLATE SERIAL.    225-1              PLATE O.D     774.741mm
MANUFACTURER:                       PIPE I.D:     730.1738mm   SITE:    BLACKROD
MATERIAL CERT.No.                   DESIGN BORE:  366.522mm    FLOW:    M^3/DAY
```

===
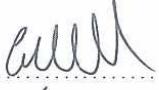
TEST EQUIPMENT

```
MANUFACTURER & TYPE: KEMCO 700 MANUAL 3-DIMENSIONAL MEASURING MACHINE  -ASSET NO OP-A02
CALIBRATED BY: QUALITY CONTROL TECHNOLOGY,   UKAS CERT:- 6822.   NEXT CAL DUE:- 03-OCTOBER-2009
```

===

UPSTREAM FACE INSPECTION RESULTS (ISO 5167)

STATIONS:-	1	2	3	4	5	6	7	8
FLATNESS %	0.165	0.165	0.162	0.153	0.163	0.168	0.150	0.147
'E' mm	12.807	12.813	12.805	12.787	12.789	12.772	12.761	12.772
'e' mm								
EDGE SHARPNESS mm	0.025	0.025	0.0125	0.025	0.025	0.025	0.025	0.025

```
BEVEL ANGLE:             DEGS

CONCENTRICITY            0.095mm

SURFACE FINISH (Ra)      1.0 microns

DOWNSTREAM FACE/EDGE VISUAL INSPECTION :- PASS

ROUNDNESS :   0.008mm      TAPER:    0 degs


DRAINHOLE PRESENT ? (YES/NO): No

COMMENTS:


INSPECTED BY........................... M Livingstone.
```

APPENDIX B CONFIGURATION DATA REPORTS

TABLE B.1 CONFIGURATION DATA REPORT 25/07/2006

```
========================================================================
        CONFIGURATION DATA REPORT : [ BLAL0725.OMI ]

        COMPANY NAME : TRANSCO part of Lattice Group plc
        LOCATION :     Sunny Blackrod
        COMPUTER ID :  62823

        CURRENT DATE : 3-31-2010  TIME : 11:50a
        CONFIGURATION FILE : LAST MODIFIED
        ======================================================================

        ---------- CHECK I/O MODULE CONFIG
         OMNI Flow Computer Model Number................ OMNI 6000
         Number of TYPE A Modules Installed............. 3
         Number of TYPE B Modules Installed............. 0
         Number of TYPE C Modules Installed............. 0
         Number of TYPE E Modules Installed............. 0
         Number of TYPE E/D Modules Installed........... 0
         Number of TYPE H Modules Installed............. 0
         Number of DIGITAL Modules Installed........... 1
         Number of SERIAL  Modules Installed........... 2

        ---------- FLOW COMPUTER TIME & DATE
                        OMNI Time.................... 12:07:12
                        OMNI Date.................... 25/07/06
                        Select Date Type............. dd/mm/yy

        ---------- CONFIG STATION DATA
         Station Totals and Flows Defined As:........... 1+2
         Reference Gravity.I/O Pnt#..................... 0
                         Tag...........................
                         Type......................... 4-20 mA
         Nitrogen %    I/O Pnt#........................ 0
                      Tag.............................
         Carbon Dioxide I/O Pnt#........................ 0
                      Tag.............................
         Heating Value  I/O Pnt#........................ 0
                      Tag.............................
         Auxiliary Input #1 I/O Pnt#.................... 0
                          Tag..........................
                          Type......................... DIN Rtd
         Auxiliary Input #2 I/O Pnt#.................... 0
                          Tag..........................
                          Type......................... DIN Rtd
         Auxiliary Input #3 I/O Pnt#.................... 0
                          Tag..........................
                          Type......................... DIN Rtd
         Auxiliary Input #4 I/O Pnt#.................... 0
                          Tag..........................
                          Type......................... DIN Rtd

        ---------- CONFIG METER RUNS
         Meter #1 Select Turbine Y/N.................... NO
                 DP Low  Range I/O Pnt#................ 3
                                  Tag.................... DPLR-1
```

```
========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823      PAGE : 02
========================================================================

---------- CONFIG METER RUNS                               (Cont'd)
        DP High Range I/O Pnt#................ 4
                      Tag.................... DPHR-1
        Temp I/O Pnt#........................ 1
                Tag............................ FT-1
                Type........................... DIN Rtd
        Pres I/O Pnt#........................ 2
                Tag............................ FP-1
        Dens I/O Pnt#........................ 0
                Tag............................
                Type........................... 4-20 SG
        Dens Temp I/O Pnt#................... 0
                Tag............................
                Type........................... DIN Rtd
        Dens Pres I/O Pnt#................... 0
                Tag............................
 Meter #2 Select Turbine Y/N................... NO
        DP Low  Range I/O Pnt#............... 7
                      Tag.................... DPLR-2
        DP High Range I/O Pnt#............... 8
                      Tag.................... DPHR-2
        Temp I/O Pnt#........................ 5
                Tag............................ FT-2
                Type........................... DIN Rtd
        Pres I/O Pnt#........................ 6
                Tag............................ FP-2
        Dens I/O Pnt#........................ 0
                Tag............................
                Type........................... 4-20 SG
        Dens Temp I/O Pnt#................... 0
                Tag............................
                Type........................... DIN Rtd
        Dens Pres I/O Pnt#................... 0
                Tag............................
 Meter #3 Select Turbine Y/N................... NO
        DP Low  Range I/O Pnt#............... 11
                      Tag.................... DPST-1
        DP High Range I/O Pnt#............... 12
                      Tag.................... DPST-2
        Temp I/O Pnt#........................ 0
                Tag............................
                Type........................... DIN Rtd
        Pres I/O Pnt#........................ 0
                Tag............................
        Dens I/O Pnt#........................ 0
                Tag............................
                Type........................... 4-20 SG
        Dens Temp I/O Pnt#................... 0
                Tag............................
                Type........................... DIN Rtd
        Dens Pres I/O Pnt#................... 0
                Tag............................
 Meter #4 Select Turbine Y/N................... NO
        DP Low  Range I/O Pnt#............... 0
                      Tag....................
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823       PAGE : 03
========================================================================

---------- CONFIG METER RUNS                                   (Cont'd)
        DP High Range I/O Pnt#................ 0
                    Tag....................
        Temp I/O Pnt#........................ 0
            Tag..............................
            Type............................. DIN Rtd
        Pres I/O Pnt#........................ 0
            Tag..............................
        Dens I/O Pnt#........................ 0
            Tag..............................
            Type............................. 4-20 SG
        Dens Temp I/O Pnt#................... 0
            Tag..............................
            Type............................. DIN Rtd
        Dens Pres I/O Pnt#................... 0
            Tag..............................

---------- CONFIG PID LOOPS
Loop #1 Primary Variable Assign................. 0
                    Remark.................
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                        Remark..............
                        Action (F/R)........ Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual)............. Last State
        Control Output Tag.....................
Loop #2 Primary Variable Assign................. 0
                    Remark.................
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                        Remark..............
                        Action (F/R)........ Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual)............. Last State
        Control Output Tag.....................
Loop #3 Primary Variable Assign................. 0
                    Remark.................
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                        Remark..............
                        Action (F/R)........ Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual)............. Last State
        Control Output Tag.....................
Loop #4 Primary Variable Assign................. 0
                    Remark.................
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                    Remark..............
```

```
==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 04
==========================================================================

---------- CONFIG PID LOOPS                                  (Cont'd)
                        Action (F/R)......... Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual).............. Last State
        Control Output Tag.....................

---------- CONFIG D/A OUT
        D/A Output #01 Assign.................... 7802
                        Remarks................... Station scm/hr
                        @  4 ma................... 0
                        @ 20 ma................... 1109405
        D/A Output #02 Assign.................... 7044
                        Remarks................... Odorant scm/hr
                        @  4 ma................... 0
                        @ 20 ma................... 1109405
        D/A Output #03 Assign.................... 0
                        Remarks...................
                        @  4 ma................... 0
                        @ 20 ma................... 0
        D/A Output #04 Assign.................... 0
                        Remarks...................
                        @  4 ma................... 0
                        @ 20 ma................... 0
        D/A Output #05 Assign.................... 0
                        Remarks...................
                        @  4 ma................... 0
                        @ 20 ma................... 0
        D/A Output #06 Assign.................... 0
                        Remarks...................
                        @  4 ma................... 0
                        @ 20 ma................. 0

---------- CONFIG FRONT PANEL COUNTERS
    Front Panel Counter A Assign................ 1802
                        Remark............... Stream 1 st vol
                        Pulses/Unit........... .001
    Front Panel Counter B Assign................ 1804
                        Remark............... Stream 1 ene flo
                        Pulses/Unit........... .01
    Front Panel Counter C Assign................ 0
                        Remark...............
                        Pulses/Unit........... 0

---------- CONFIGURE BOOLEAN STATEMENTS
                        Boolean #1025 =........ 1811
                            Remarks........ Hi flow alrm
                        Boolean #1026 =........ /1829+1837
                            Remarks........ Power/EPROM fail
                        Boolean #1027 =........ 7054+7055
                            Remarks........ RD alarm
                        Boolean #1028 =........ 1125+1126
                            Remarks........ 1. L/H T alrm
```

```
========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823       PAGE : 05
========================================================================

---------- CONFIGURE BOOLEAN STATEMENTS                      (Cont'd)
                 Boolean #1029 =........  1129+1130
                         Remarks........  1. L/H P alrm
                 Boolean #1030 =........  1141+1142
                         Remarks........  1. L/H DP alarm
                 Boolean #1031 =........  1341+1342
                         Remarks........  1. L/H STBY alrm
                 Boolean #1032 =........  7035&1152
                         Remarks........  1. LDP OutOfTol
                 Boolean #1033 =........  7036&1153
                         Remarks........  1. HDP OutOfTol
                 Boolean #1034 =........  7048+7049
                         Remarks........  1. Density alrm
                 Boolean #1035 =........
                         Remarks........
                 Boolean #1036 =........  1225+1226
                         Remarks........  2. L/H T alrm
                 Boolean #1037 =........  1229+1230
                         Remarks........  2. L/H P alrm
                 Boolean #1038 =........  1241+1242
                         Remarks........  2. L/H DP alrm
                 Boolean #1039 =........  1341+1342
                         Remarks........  2. L/H STDP alrm
                 Boolean #1040 =........  7041&1252
                         Remarks........  2. LDP OutOfTol
                 Boolean #1041 =........  7042&1253
                         Remarks........  2. HDP OutOfTol
                 Boolean #1042 =........  7051+7052
                         Remarks........  2. Density
                 Boolean #1043 =........
                         Remarks........
                 Boolean #1044 =........  1025+1026+1027
                         Remarks........  General
                 Boolean #1045 =........  1028+1029+1030
                         Remarks........  1.
                 Boolean #1046 =........  1031+1032+1033
                         Remarks........  1.
                 Boolean #1047 =........  1034
                         Remarks........  1.
                 Boolean #1048 =........  1036+1037+1038
                         Remarks........  2.
                 Boolean #1049 =........  1039+1040+1041
                         Remarks........  2.
                 Boolean #1050 =........  1042
                         Remarks........  2.
                 Boolean #1051 =........  1045+1046+1047
                         Remarks........  1. Combined
                 Boolean #1052 =........  1048+1049+1050
                         Remarks........  2. Combined
                 Boolean #1053 =........  1051&1105
                         Remarks........  1. in use?
                 Boolean #1054 =........  1052&1205
                         Remarks........  2. in use?
                 Boolean #1055 =........  1044+1053+1054
                         Remarks........  Meter Suspect
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 06
========================================================================

---------- CONFIGURE BOOLEAN STATEMENTS                    (Cont'd)
                    Boolean #1056 =........
                            Remarks........
                    Boolean #1057 =........  1088=1070
                            Remarks........  Maintenance
                    Boolean #1058 =........  1087=1055
                            Remarks........  Meter Suspect
                    Boolean #1059 =........  1086=1027
                            Remarks........  RD error
                    Boolean #1060 =........  1085=1034
                            Remarks........  1. Density error
                    Boolean #1061 =........  1084=1032
                            Remarks........  1. Low DP error
                    Boolean #1062 =........  1083=1033
                            Remarks........  1. High DP error
                    Boolean #1063 =........  1082=1042
                            Remarks........  2. Density error
                    Boolean #1064 =........  1081=1040
                            Remarks........  2. Low DP error
                    Boolean #1065 =........  1080=1041
                            Remarks........  2. High DP error
                    Boolean #1066 =........
                            Remarks........
                    Boolean #1067 =........
                            Remarks........
                    Boolean #1068 =........
                            Remarks........
                    Boolean #1069 =........  /1105&/1205
                            Remarks........  No flow if = 1
                    Boolean #1070 =........  7025
                            Remarks........  Maintenance mode
                    Boolean #1071 =........  1027
                            Remarks........  Spare
                    Boolean #1072 =........  /1055
                            Remarks........  Invert met susp
                    Boolean #1073 =........  1736=/1105
                            Remarks........  1.Disable flow
                    Boolean #1074 =........  1737=/1205
                            Remarks........  2. Disable flow
                    Boolean #1075 =........
                            Remarks........  Den #3 alarm
                    Boolean #1076 =........
                            Remarks........  Den #4 alarm
                    Boolean #1077 =........
                            Remarks........
                    Boolean #1078 =........
                            Remarks........
                    Boolean #1079 =........
                            Remarks........
                    Boolean #1080 =........  M2 HDP OutOfTol
                            Remarks........
                    Boolean #1081 =........  M2 LDP OutOfTol
                            Remarks........
                    Boolean #1082 =........  M2 Den OutOfTol
                            Remarks........
```

```
=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 07
=========================================================================

---------- CONFIGURE BOOLEAN STATEMENTS                      (Cont'd)
                    Boolean #1083 =........ M1 HDP OutOfTol
                            Remarks........
                    Boolean #1084 =........ M1 LDP OutOfTol
                            Remarks........
                    Boolean #1085 =........ M1 Den OutOfTol
                            Remarks........
                    Boolean #1086 =........ RD OutOfTol
                            Remarks........
                    Boolean #1087 =........ Meter Suspect
                            Remarks........
                    Boolean #1088 =........ Maintenance
                            Remarks........

---------- CONFIGURE VARIABLE STATEMENTS
                    Statement #7025 =........ Main:-1=Off,1=On
                            Remarks........
                    Statement #7026 =........ LGT Fix Output %
                            Remarks........
                    Statement #7027 =........ LGT lo flo inj %
                            Remarks........
                    Statement #7028 =........ #5.0
                            Remarks........ Enter DP tol
                    Statement #7029 =........ #5.0-7028
                            Remarks........ DP tol >5.0?
                    Statement #7030 =........ 7029)7028=#5.0
                            Remarks........ Set min DPtol
                    Statement #7031 =........ 8596+8795
                            Remarks........ 1.Sum hi cells
                    Statement #7032 =........ 7031/#2
                            Remarks........ 1.Average hi
                    Statement #7033 =........ 7032-8595
                            Remarks........ 1.Diff av H + L
                    Statement #7034 =........ 8596-8795
                            Remarks........ 1.Diff H + STBY
                    Statement #7035 =........ $7033-7028
                            Remarks........ 1.LDP OutOfTol
                    Statement #7036 =........ $7034-7028
                            Remarks........ 1.HDP OutOfTol
                    Statement #7037 =........ 8696+8796
                            Remarks........ 2.Sum hi cells
                    Statement #7038 =........ 7037/#2
                            Remarks........ 2.Average hi
                    Statement #7039 =........ 7038-8695
                            Remarks........ 2.Diff av H + L
                    Statement #7040 =........ 8696-8796
                            Remarks........ 2.Diff H + STBY
                    Statement #7041 =........ $7039-7028
                            Remarks........ 2.LDP OutOfTol
                    Statement #7042 =........ $7040-7028
                            Remarks........ 2.HDP OutOfTol
                    Statement #7043 =........
                            Remarks........
                    Statement #7044 =........ 7802
```

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========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 08
========================================================================

---------- CONFIGURE VARIABLE STATEMENTS                    (Cont'd)
                         Remarks........  Set odour flow
                Statement #7045 =.......  1069)7044=7085
                         Remarks........  LGT-low flow
                Statement #7046 =.......  1055)7044=7086
                         Remarks........  LGT-Met Susp
                Statement #7047 =.......  7025)7044=7087
                         Remarks........  LGT-fix flow
                Statement #7048 =.......  7107-#80
                         Remarks........  1. Hi den?
                Statement #7049 =.......  #24-7107
                         Remarks........  1. Low den?
                Statement #7050 =.......
                         Remarks........
                Statement #7051 =.......  7207-#80
                         Remarks........  2. Hi den?
                Statement #7052 =.......  #24-7207
                         Remarks........  2. Low den?
                Statement #7053 =.......
                         Remarks........
                Statement #7054 =.......  7141-#0.7
                         Remarks........  RD hi?
                Statement #7055 =.......  #0.5-7141
                         Remarks........  RD low?
                Statement #7056 =.......
                         Remarks........
                Statement #7057 =.......
                         Remarks........
                Statement #7058 =.......  7854=7138*17002
                         Remarks........  St mass fl limit
                Statement #7059 =.......  7854=7854/#1000
                         Remarks........  Convert to ton/h
                Statement #7060 =.......  7162=7854/#2
                         Remarks........  1. Mass flow lim
                Statement #7061 =.......  7262=7854/#2
                         Remarks........  2. Mass flow lim
                Statement #7062 =.......  7151=#.0009*7158
                         Remarks........  1.Set DP cutoff
                Statement #7063 =.......  7251=#.0009*7258
                         Remarks........  2.Set DP cutoff
                Statement #7064 =.......
                         Remarks........
                Statement #7065 =.......
                         Remarks........
                Statement #7066 =.......
                         Remarks........
                Statement #7067 =.......  7802*#0.000024
                         Remarks........  St vol MSCM/D
                Statement #7068 =.......  7804*#0.024
                         Remarks........  St. energy MMJ/D
                Statement #7069 =.......  7802/17002*#100
                         Remarks........  %Max flow
                Statement #7070 =.......  17002*#0.000024
                         Remarks........  Max vol MSCM/D
                Statement #7071 =.......  7070*#44
```

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CONFIGURATION DATA REPORT     COMPUTER ID : 62823      PAGE : 09
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---------- CONFIGURE VARIABLE STATEMENTS                    (Cont'd)
                            Remarks........ Max energy MMJ/D
                Statement #7072 =........ 7068/7071*#100
                            Remarks........ %Energy for tele
                Statement #7073 =........ 7044/17004*#100
                            Remarks........ %Odour
                Statement #7074 =........
                            Remarks........
                Statement #7075 =........
                            Remarks........
                Statement #7076 =........ 17049=17025
                            Remarks........ Set counter A
                Statement #7077 =........ 17050=#10*17049
                            Remarks........ Set counter B
                Statement #7078 =........ 7152=7158/#-200
                            Remarks........ 1. DP low limit
                Statement #7079 =........ 7153=7158+$7152
                            Remarks........ 1. DP hi limit
                Statement #7080 =........ 7252=7258/#-200
                            Remarks........ 2. DP low limit
                Statement #7081 =........ 7253=7258+$7252
                            Remarks........ 2. DP hi limit
                Statement #7082 =........ 7352=7358/#-200
                            Remarks........ 3. DP low limit
                Statement #7083 =........ 7353=7358+$7352
                            Remarks........ 3. DP hi limit
                Statement #7084 =........
                            Remarks........
                Statement #7085 =........ 7027/#100*17004
                            Remarks........ LGT low flow inj
                Statement #7086 =........ /1055)7086=7044
                            Remarks........ Store LGT output
                Statement #7087 =........ 7026/#100*17004
                            Remarks........ LGT fix flow
                Statement #7088 =........
                            Remarks........

   ---------- CONFIG USER DISPLAYS
   User Display Number 1 Key Press............. F
           1st Variable Tag.................. MSCM/D
                        Point #.............. 7067
                        Dec. Places.......... 6
           2nd Variable Tag.................. MMJ/D
                        Point #.............. 7068
                        Dec. Places.......... 6
           3rd Variable Tag.................. %Max flw
                        Point #.............. 7069
                        Dec. Places.......... 2
           4th Variable Tag.................. %Odour
                        Point #.............. 7073
                        Dec. Places.......... 2
   User Display Number 2 Key Press............. IO
           1st Variable Tag.................. RD
                        Point #.............. 7141
```

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==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 10
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---------- CONFIG USER DISPLAYS                              (Cont'd)
                      Dec. Places........... 7
          2nd Variable Tag................... Ref den
                      Point #............... 7138
                      Dec. Places........... 7
          3rd Variable Tag................... Density
                      Point #............... 7107
                      Dec. Places........... 7
          4th Variable Tag................... CV
                      Point #............... 7142
                      Dec. Places........... 7
  User Display Number 3 Key Press............. IP
          1st Variable Tag................... RD
                      Point #............... 7241
                      Dec. Places........... 7
          2nd Variable Tag................... Ref den
                      Point #............... 7238
                      Dec. Places........... 7
          3rd Variable Tag................... Density
                      Point #............... 7207
                      Dec. Places........... 7
          4th Variable Tag................... CV
                      Point #............... 7242
                      Dec. Places........... 7
  User Display Number 4 Key Press............. VER
          1st Variable Tag................... O2_71_V2
                      Point #............... 0
                      Dec. Places........... 0
          2nd Variable Tag................... LGTcutof
                      Point #............... 7027
                      Dec. Places........... 2
          3rd Variable Tag................... 25/08/98
                      Point #............... 0
                      Dec. Places........... 0
          4th Variable Tag...................
                      Point #............... 0
                      Dec. Places........... 0
  User Display Number 5 Key Press............. FO
          1st Variable Tag................... acmh
                      Point #............... 7101
                      Dec. Places........... 3
          2nd Variable Tag................... scmh
                      Point #............... 7102
                      Dec. Places........... 3
          3rd Variable Tag................... tons/hr
                      Point #............... 7103
                      Dec. Places........... 7
          4th Variable Tag................... GJ/hr
                      Point #............... 7104
                      Dec. Places........... 3
  User Display Number 6 Key Press............. FP
          1st Variable Tag................... acmh
                      Point #............... 7201
                      Dec. Places........... 3
          2nd Variable Tag................... scmh
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 11
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---------- CONFIG USER DISPLAYS                              (Cont'd)
                        Point #............... 7202
                        Dec. Places........... 3
        3rd Variable  Tag................... tons/hr
                        Point #............... 7203
                        Dec. Places........... 7
        4th Variable  Tag................... GJ/hr
                        Point #............... 7204
                        Dec. Places........... 3
  User Display Number 7 Key Press............. DPO
        1st Variable  Tag................... Low DP
                        Point #............... 8595
                        Dec. Places........... 4
        2nd Variable  Tag................... High DP
                        Point #............... 8596
                        Dec. Places........... 4
        3rd Variable  Tag................... Standby
                        Point #............... 8795
                        Dec. Places........... 4
        4th Variable  Tag................... Average
                        Point #............... 7032
                        Dec. Places........... 4
  User Display Number 8 Key Press............. DPP
        1st Variable  Tag................... Low DP
                        Point #............... 8695
                        Dec. Places........... 4
        2nd Variable  Tag................... High DP
                        Point #............... 8696
                        Dec. Places........... 4
        3rd Variable  Tag................... Standby
                        Point #............... 8796
                        Dec. Places........... 4
        4th Variable  Tag................... Average
                        Point #............... 7038
                        Dec. Places........... 4

  ---------- CONFIG DIGITAL I/O
      Digital Point #1 Assign.................. 1802
                        Remarks................ Integ St Vol.
                        Pulse Width............ 20
                        Pulses/Unit............ .001
      Digital Point #2 Assign.................. 1072
                        Remarks................ Meter Suspect
                        Delay On............... 10
                        Delay Off.............. 10
      Digital Point #3 Assign.................. 0
                        Remarks................
                        Delay On............... 0
                        Delay Off.............. 0
      Digital Point #4 Assign.................. 0
                        Remarks................
                        Delay On............... 0
                        Delay Off.............. 0
      Digital Point #5 Assign.................. 0
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 12
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---------- CONFIG DIGITAL I/O                               (Cont'd)
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #6 Assign..................  0
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #7 Assign..................  0
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #8 Assign..................  0
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #9 Assign..................  0
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #10 Assign.................  0
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #11 Assign.................  0
                    Remarks...............
                    Delay On...............  0
                    Delay Off.............  0
        Digital Point #12 Assign................  0
                    Remarks...............
                    Delay On..............  0
                    Delay Off............  0

   ---------- CONFIG SERIAL I/O
        Serial I/O #1 Baud Rate..................  9600
                    Stop Bits..................  1 Bit
                    Data Bits..................  8
                    Parity.....................  None
                    Xmit Key Delay.............  0ms
                    Port Type..................  Printer
        Serial I/O #2 Baud Rate..................  9600
                    Stop Bits..................  1 Bit
                    Data Bits..................  8
                    Parity.....................  None
                    Xmit Key Delay.............  0ms
                    Protocol Type..............  Modbus RTU(Modem)
                    Modbus ID..................  1
                    Modicon Compatible.........  NO
                    CRC Enabled................  YES
        Serial I/O #3 Baud Rate..................  9600
                    Stop Bits..................  1 Bit
                    Data Bits..................  8
                    Parity.....................  None
                    Xmit Key Delay.............  0ms
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 13
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---------- CONFIG SERIAL I/O                                    (Cont'd)
                    Protocol Type.............. Modbus ASCII
                    Modbus ID.................. 1
                    Modicon Compatible......... YES
                    CRC Enabled................ YES
     Serial I/O #4 Baud Rate.................. 9600
                    Stop Bits.................. 1 Bit
                    Data Bits.................. 8
                    Parity..................... None
                    Xmit Key Delay............. 0ms
                    Protocol Type.............. Modbus RTU
                    Modbus ID.................. 0
                    Modicon Compatible......... YES
                    CRC Enabled................ YES


---------- MODBUS PEER/PEER COMMUNICATIONS
                    Activate Redundancy Mode.......... NO
                    Next Master in Sequence........... 0
                    Last Master in Sequence........... 0
                    Retry Timer (50 mS Ticks)......... 0
     Transaction #1 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
     Transaction #2 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
     Transaction #3 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
     Transaction #4 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
     Transaction #5 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
     Transaction #6 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
     Transaction #7 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
```

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CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 14
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---------- MODBUS PEER/PEER COMMUNICATIONS                       (Cont'd)
                      Dest. Point #............. 0
        Transaction #8 Target Slave ID........... 0
                      Read/Write ?.............. Read
                      Source Index #............ 0
                      # of Points............... 0
                      Dest. Point #............. 0
        Transaction #9 Target Slave ID........... 0
                      Read/Write ?.............. Read
                      Source Index #............ 0
                      # of Points............... 0
                      Dest. Point #............. 0
       Transaction #10 Target Slave ID........... 0
                      Read/Write ?.............. Read
                      Source Index #............ 0
                      # of Points............... 0
                      Dest. Point #............. 0
       Transaction #11 Target Slave ID........... 0
                      Read/Write ?.............. Read
                      Source Index #............ 0
                      # of Points............... 0
                      Dest. Point #............. 0
       Transaction #12 Target Slave ID........... 0
                      Read/Write ?.............. Read
                      Source Index #............ 0
                      # of Points............... 0
                      Dest. Point #............. 0
       Transaction #13 Target Slave ID........... 0
                      Read/Write ?.............. Read
                      Source Index #............ 0
                      # of Points............... 0
                      Dest. Point #............. 0
       Transaction #14 Target Slave ID........... 0
                      Read/Write ?.............. Read
                      Source Index #............ 0
                      # of Points............... 0
                      Dest. Point #............. 0
       Transaction #15 Target Slave ID........... 0
                      Read/Write ?.............. Read
                      Source Index #............ 0
                      # of Points............... 0
                      Dest. Point #............. 0
       Transaction #16 Target Slave ID........... 0
                      Read/Write ?.............. Read
                      Source Index #............ 0
                      # of Points............... 0
                      Dest. Point #............. 0

---------- CUSTOM MODBUS PACKET(ADDR:001)
              Packet #01 Pnt.#................. 0
                         # of Points........... 0
              Packet #02 Pnt.#................. 0
                         # of Points........... 0
              Packet #03 Pnt.#................. 0
```

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=========================================================================
CONFIGURATION DATA REPORT        COMPUTER ID : 62823        PAGE : 15
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---------- CUSTOM MODBUS PACKET(ADDR:001)                    (Cont'd)
                        # of Points............  0
              Packet #04 Pnt.#..................  0
                        # of Points............  0
              Packet #05 Pnt.#..................  0
                        # of Points............  0
              Packet #06 Pnt.#..................  0
                        # of Points............  0
              Packet #07 Pnt.#..................  0
                        # of Points............  0
              Packet #08 Pnt.#..................  0
                        # of Points............  0
              Packet #09 Pnt.#..................  0
                        # of Points............  0
              Packet #10 Pnt.#..................  0
                        # of Points............  0
              Packet #11 Pnt.#..................  0
                        # of Points............  0
              Packet #12 Pnt.#..................  0
                        # of Points............  0
              Packet #13 Pnt.#..................  0
                        # of Points............  0
              Packet #14 Pnt.#..................  0
                        # of Points............  0
              Packet #15 Pnt.#..................  0
                        # of Points............  0
              Packet #16 Pnt.#..................  0
                        # of Points............  0
              Packet #17 Pnt.#..................  0
                        # of Points............  0
              Packet #18 Pnt.#..................  0
                        # of Points............  0
              Packet #19 Pnt.#..................  0
                        # of Points............  0
              Packet #20 Pnt.#..................  0
                        # of Points............  0


---------- CUSTOM MODBUS PACKET(ADDR:201)
              Packet #01 Pnt.#..................  0
                        # of Points............  0
              Packet #02 Pnt.#..................  0
                        # of Points............  0
              Packet #03 Pnt.#..................  0
                        # of Points............  0
              Packet #04 Pnt.#..................  0
                        # of Points............  0
              Packet #05 Pnt.#..................  0
                        # of Points............  0
              Packet #06 Pnt.#..................  0
                        # of Points............  0
              Packet #07 Pnt.#..................  0
                        # of Points............  0
              Packet #08 Pnt.#..................  0
                        # of Points............  0
```

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========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 16
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---------- CUSTOM MODBUS PACKET(ADDR:401)
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Packet #17 Pnt.#.................  0
                       # of Points...........  0
            Packet #18 Pnt.#.................  0
                       # of Points...........  0
            Packet #19 Pnt.#.................  0
                       # of Points...........  0
            Packet #20 Pnt.#.................  0
                       # of Points...........  0


---------- ARCHIVE 701 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 17
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---------- ARCHIVE 701 - RECORD DEFINITION                    (Cont'd)
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 702 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 18
=========================================================================

---------- ARCHIVE 702 - RECORD DEFINITION                    (Cont'd)
                    # of Points............  0
            Packet #15 Pnt.#.................  0
                    # of Points............  0
            Packet #16 Pnt.#.................  0
                    # of Points............  0
            Max Records.....................  0
            Archive Boolean Trigger...........  0

---------- ARCHIVE 703 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                    # of Points............  0
            Packet #02 Pnt.#.................  0
                    # of Points............  0
            Packet #03 Pnt.#.................  0
                    # of Points............  0
            Packet #04 Pnt.#.................  0
                    # of Points............  0
            Packet #05 Pnt.#.................  0
                    # of Points............  0
            Packet #06 Pnt.#.................  0
                    # of Points............  0
            Packet #07 Pnt.#.................  0
                    # of Points............  0
            Packet #08 Pnt.#.................  0
                    # of Points............  0
            Packet #09 Pnt.#.................  0
                    # of Points............  0
            Packet #10 Pnt.#.................  0
                    # of Points............  0
            Packet #11 Pnt.#.................  0
                    # of Points............  0
            Packet #12 Pnt.#.................  0
                    # of Points............  0
            Packet #13 Pnt.#.................  0
                    # of Points............  0
            Packet #14 Pnt.#.................  0
                    # of Points............  0
            Packet #15 Pnt.#.................  0
                    # of Points............  0
            Packet #16 Pnt.#.................  0
                    # of Points............  0
            Max Records.....................  0
            Archive Boolean Trigger...........  0

---------- ARCHIVE 704 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                    # of Points............  0
            Packet #02 Pnt.#.................  0
                    # of Points............  0
            Packet #03 Pnt.#.................  0
                    # of Points............  0
            Packet #04 Pnt.#.................  0
```

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=========================================================================
CONFIGURATION DATA REPORT       COMPUTER ID : 62823         PAGE : 19
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---------- ARCHIVE 704 - RECORD DEFINITION                    (Cont'd)
                    # of Points............  0
            Packet #05 Pnt.#.................  0
                    # of Points............  0
            Packet #06 Pnt.#.................  0
                    # of Points............  0
            Packet #07 Pnt.#.................  0
                    # of Points............  0
            Packet #08 Pnt.#.................  0
                    # of Points............  0
            Packet #09 Pnt.#.................  0
                    # of Points............  0
            Packet #10 Pnt.#.................  0
                    # of Points............  0
            Packet #11 Pnt.#.................  0
                    # of Points............  0
            Packet #12 Pnt.#.................  0
                    # of Points............  0
            Packet #13 Pnt.#.................  0
                    # of Points............  0
            Packet #14 Pnt.#.................  0
                    # of Points............  0
            Packet #15 Pnt.#.................  0
                    # of Points............  0
            Packet #16 Pnt.#.................  0
                    # of Points............  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 705 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                    # of Points............  0
            Packet #02 Pnt.#.................  0
                    # of Points............  0
            Packet #03 Pnt.#.................  0
                    # of Points............  0
            Packet #04 Pnt.#.................  0
                    # of Points............  0
            Packet #05 Pnt.#.................  0
                    # of Points............  0
            Packet #06 Pnt.#.................  0
                    # of Points............  0
            Packet #07 Pnt.#.................  0
                    # of Points............  0
            Packet #08 Pnt.#.................  0
                    # of Points............  0
            Packet #09 Pnt.#.................  0
                    # of Points............  0
            Packet #10 Pnt.#.................  0
                    # of Points............  0
            Packet #11 Pnt.#.................  0
                    # of Points............  0
            Packet #12 Pnt.#.................  0
                    # of Points............  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823          PAGE : 20
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---------- ARCHIVE 705 - RECORD DEFINITION                      (Cont'd)
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records......................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 706 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records......................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 707 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
```

```
========================================================================
CONFIGURATION DATA REPORT        COMPUTER ID : 62823        PAGE : 21
========================================================================

---------- ARCHIVE 707 - RECORD DEFINITION                   (Cont'd)
            Packet #03 Pnt.#..................  0
                       # of Points...........  0
            Packet #04 Pnt.#..................  0
                       # of Points...........  0
            Packet #05 Pnt.#..................  0
                       # of Points...........  0
            Packet #06 Pnt.#..................  0
                       # of Points...........  0
            Packet #07 Pnt.#..................  0
                       # of Points...........  0
            Packet #08 Pnt.#..................  0
                       # of Points...........  0
            Packet #09 Pnt.#..................  0
                       # of Points...........  0
            Packet #10 Pnt.#..................  0
                       # of Points...........  0
            Packet #11 Pnt.#..................  0
                       # of Points...........  0
            Packet #12 Pnt.#..................  0
                       # of Points...........  0
            Packet #13 Pnt.#..................  0
                       # of Points...........  0
            Packet #14 Pnt.#..................  0
                       # of Points...........  0
            Packet #15 Pnt.#..................  0
                       # of Points...........  0
            Packet #16 Pnt.#..................  0
                       # of Points...........  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 708 - RECORD DEFINITION
            Packet #01 Pnt.#..................  0
                       # of Points...........  0
            Packet #02 Pnt.#..................  0
                       # of Points...........  0
            Packet #03 Pnt.#..................  0
                       # of Points...........  0
            Packet #04 Pnt.#..................  0
                       # of Points...........  0
            Packet #05 Pnt.#..................  0
                       # of Points...........  0
            Packet #06 Pnt.#..................  0
                       # of Points...........  0
            Packet #07 Pnt.#..................  0
                       # of Points...........  0
            Packet #08 Pnt.#..................  0
                       # of Points...........  0
            Packet #09 Pnt.#..................  0
                       # of Points...........  0
            Packet #10 Pnt.#..................  0
                       # of Points...........  0
            Packet #11 Pnt.#..................  0
```

```
==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 22
==========================================================================

---------- ARCHIVE 708 - RECORD DEFINITION                     (Cont'd)
                        # of Points............  0
                Packet #12 Pnt.#.................  0
                        # of Points...........  0
                Packet #13 Pnt.#.................  0
                        # of Points...........  0
                Packet #14 Pnt.#.................  0
                        # of Points...........  0
                Packet #15 Pnt.#.................  0
                        # of Points...........  0
                Packet #16 Pnt.#.................  0
                        # of Points...........  0
                Max Records.....................  0
                Archive Boolean Trigger..........  0


---------- ARCHIVE 709 - RECORD DEFINITION
                Packet #01 Pnt.#.................  0
                        # of Points...........  0
                Packet #02 Pnt.#.................  0
                        # of Points...........  0
                Packet #03 Pnt.#.................  0
                        # of Points...........  0
                Packet #04 Pnt.#.................  0
                        # of Points...........  0
                Packet #05 Pnt.#.................  0
                        # of Points...........  0
                Packet #06 Pnt.#.................  0
                        # of Points...........  0
                Packet #07 Pnt.#.................  0
                        # of Points...........  0
                Packet #08 Pnt.#.................  0
                        # of Points...........  0
                Packet #09 Pnt.#.................  0
                        # of Points...........  0
                Packet #10 Pnt.#.................  0
                        # of Points...........  0
                Packet #11 Pnt.#.................  0
                        # of Points...........  0
                Packet #12 Pnt.#.................  0
                        # of Points...........  0
                Packet #13 Pnt.#.................  0
                        # of Points...........  0
                Packet #14 Pnt.#.................  0
                        # of Points...........  0
                Packet #15 Pnt.#.................  0
                        # of Points...........  0
                Packet #16 Pnt.#.................  0
                        # of Points...........  0
                Max Records.....................  0
                Archive Boolean Trigger..........  0
```

```
=========================================================================
CONFIGURATION DATA REPORT       COMPUTER ID : 62823        PAGE : 23
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---------- ARCHIVE 710 - RECORD DEFINITION
              Packet #01 Pnt.#..................  0
                         # of Points...........  0
              Packet #02 Pnt.#..................  0
                         # of Points...........  0
              Packet #03 Pnt.#..................  0
                         # of Points...........  0
              Packet #04 Pnt.#..................  0
                         # of Points...........  0
              Packet #05 Pnt.#..................  0
                         # of Points...........  0
              Packet #06 Pnt.#..................  0
                         # of Points...........  0
              Packet #07 Pnt.#..................  0
                         # of Points...........  0
              Packet #08 Pnt.#..................  0
                         # of Points...........  0
              Packet #09 Pnt.#..................  0
                         # of Points...........  0
              Packet #10 Pnt.#..................  0
                         # of Points...........  0
              Packet #11 Pnt.#..................  0
                         # of Points...........  0
              Packet #12 Pnt.#..................  0
                         # of Points...........  0
              Packet #13 Pnt.#..................  0
                         # of Points...........  0
              Packet #14 Pnt.#..................  0
                         # of Points...........  0
              Packet #15 Pnt.#..................  0
                         # of Points...........  0
              Packet #16 Pnt.#..................  0
                         # of Points...........  0
              Max Records......................  0
              Archive Boolean Trigger..........  0

---------- CONFIG AB PLC BLOCK#1 READ
    Start Address of Data Block #1..............  9
       Item  #1 Source Point #..................  8
                # of Points...................  10
       Item  #2 Source Point #..................  11
                # of Points...................  2
       Item  #3 Source Point #..................  0
                # of Points...................  0
       Item  #4 Source Point #..................  0
                # of Points...................  0
       Item  #5 Source Point #..................  0
                # of Points...................  3
       Item  #6 Source Point #..................  4
                # of Points...................  6
       Item  #7 Source Point #..................  7
                # of Points...................  1
       Item  #8 Source Point #..................  0
```

```
=========================================================================
CONFIGURATION DATA REPORT        COMPUTER ID : 62823          PAGE : 24
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---------- CONFIG AB PLC BLOCK#1 READ                        (Cont'd)
                  # of Points...................  0
        Item  #9 Source Point #..................  0
                  # of Points...................  0
        Item #10 Source Point #..................  0
                  # of Points...................  0
        Item #11 Source Point #..................  17
                  # of Points...................  18
        Item #12 Source Point #..................  0
                  # of Points...................  0
        Item #13 Source Point #..................  0
                  # of Points...................  0
        Item #14 Source Point #..................  0
                  # of Points...................  0
        Item #15 Source Point #..................  0
                  # of Points...................  0
        Item #16 Source Point #..................  0
                  # of Points...................  0


---------- CONFIG AB PLC BLOCK#2 READ
     Start Address of Data Block #2..............  0
        Item  #1 Source Point #..................  0
                  # of Points...................  0
        Item  #2 Source Point #..................  0
                  # of Points...................  0
        Item  #3 Source Point #..................  0
                  # of Points...................  0
        Item  #4 Source Point #..................  0
                  # of Points...................  0
        Item  #5 Source Point #..................  0
                  # of Points...................  0
        Item  #6 Source Point #..................  0
                  # of Points...................  0
        Item  #7 Source Point #..................  0
                  # of Points...................  0
        Item  #8 Source Point #..................  0
                  # of Points...................  0
        Item  #9 Source Point #..................  0
                  # of Points...................  0
        Item #10 Source Point #..................  0
                  # of Points...................  0
        Item #11 Source Point #..................  0
                  # of Points...................  0
        Item #12 Source Point #..................  0
                  # of Points...................  0
        Item #13 Source Point #..................  0
                  # of Points...................  0
        Item #14 Source Point #..................  0
                  # of Points...................  0
        Item #15 Source Point #..................  0
                  # of Points...................  0
        Item #16 Source Point #..................  0
                  # of Points...................  0
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823      PAGE : 25
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---------- CONFIG AB PLC BLOCK#3 READ
    Start Address of Data Block #3.............. 0
        Item  #1 Source Point #.................. 0
                 # of Points................... 0
        Item  #2 Source Point #.................. 0
                 # of Points................... 0
        Item  #3 Source Point #.................. 0
                 # of Points................... 0
        Item  #4 Source Point #.................. 0
                 # of Points................... 0
        Item  #5 Source Point #.................. 0
                 # of Points................... 0
        Item  #6 Source Point #.................. 0
                 # of Points................... 0
        Item  #7 Source Point #.................. 0
                 # of Points................... 0
        Item  #8 Source Point #.................. 0
                 # of Points................... 0
        Item  #9 Source Point #.................. 0
                 # of Points................... 0
        Item #10 Source Point #.................. 0
                 # of Points................... 0
        Item #11 Source Point #.................. 0
                 # of Points................... 0
        Item #12 Source Point #.................. 0
                 # of Points................... 0
        Item #13 Source Point #.................. 0
                 # of Points................... 0
        Item #14 Source Point #.................. 0
                 # of Points................... 0
        Item #15 Source Point #.................. 0
                 # of Points................... 0
        Item #16 Source Point #.................. 0
                 # of Points................... 0


---------- CONFIG AB PLC COMMAND BLOCK
    Start Address of Command Block ............. 0
        Item  #1 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #2 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #3 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #4 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #5 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #6 Dest. Point #.................. 0
                 # of Points................... 0
```

```
=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 26
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---------- CONFIG AB PLC SETPOINT BLOCK
    Start Address  of Command Block............. 0
       Item  #1 Dest. Point #................... 0
                # of Points................... 0
       Item  #2 Dest. Point #................... 0
                # of Points................... 0
       Item  #3 Dest. Point #................... 0
                # of Points................... 0
       Item  #4 Dest. Point #................... 0
                # of Points................... 0
       Item  #5 Dest. Point #................... 0
                # of Points................... 0
       Item  #6 Dest. Point #................... 0
                # of Points................... 0
```

```
========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823         PAGE : 27
========================================================================


---------- PRINTER SETUP
        Computer ID......................... 62823
        Print Interval in Minutes........... 0
        Print Interval Start Time........... 18:00:00
        Daily Report Time................... 06:00:00
        Disable Daily Report................ YES
        Day Light Savings Start............. 00/00/00
        Day Light Savings End............... 00/00/00
        Clear Daily Totals at Batch End..... YES
        Auto Hourly Batch Select............ NO
        Auto Weekly  Batch Select........... No Batch End
        Auto Monthly Batch Select........... 0
        Print Priority...................... 0
        Number of Nulls..................... 0
        Use Default Report Template......... NO
        Printer Condensed Mode String.......
        Printer Normal    Mode String.......
        Company Name
            TRANSCO part of Lattice Group plc
        Location
            Sunny Blackrod


---------- ANALYSER SETUP
  Analyser ID Number......................... 1
  Analyser Type.............................. DANALYZER
  Results Interval (Minutes)................. 4
  Listen Only Mode (Y or N).................. NO
  GC Fail Code............................... Always use
  GC Comp. # for Methane (CH4)............... 0
  GC Comp. # for Nitrogen (N2).............. 0
  GC Comp. # for Carbon Dioxide (CO2)....... 0
  GC Comp. # for Ethane (C2H6).............. 0
  GC Comp. # for Propane (C3H8)............. 0
  GC Comp. # for Water (H2O)................ 0
  GC Comp. # for Hydrogen Sulfide (H2S)..... 0
  GC Comp. # for Hydrogen (H2).............. 0
  GC Comp. # for Carbon Monoxide (CO)....... 0
  GC Comp. # for Oxygen (O2)................ 0
  GC Comp. # for i-Butane (iC4H10).......... 0
  GC Comp. # for n-Butane (nC4H10).......... 0
  GC Comp. # for i-Pentane (iC5H12)......... 0
  GC Comp. # for n-Pentane (nC5H12)......... 0
  GC Comp. # for n-Hexane (C6H14)........... 0
  GC Comp. # for n-Heptane (C7H16).......... 0
  GC Comp. # for n-Octane (C8H16)........... 0
  GC Comp. # for n-Nonane................... 0
  GC Comp. # for n-Decane................... 0
  GC Comp. # for Helium (He)................ 0
  GC Comp. # for Argon (Ar)................. 0
  GC Comp. # for Heating Value.............. 0
  GC Comp. # for Specific Gravity........... 0
```

```
=========================================================================
CONFIGURATION DATA REPORT        COMPUTER ID : 62823        PAGE : 28
=========================================================================

---------- PID CONTROL SETUP
Loop #1 Secondary Setpoint Value................ 0
         Primary Gain Factor..................... 0.00
                     Rpts/Min.................... 0.00
         Secondary Gain Factor................... 0.00
                 Rpts/Min....................... 0.00
         Deadband %............................. 0
         Startup Ramp %......................... 0
         Shutdown Ramp %........................ 0
         Minimum Ramp To %...................... 0
         Primary Setpoint Low  Limit............ 0
                     High Limit............. 0
                     Zero Value............. 0
                     Full Scale Value........ 0
         Secondary Var Zero Value............... 0
                     Full Scale Value......... 0
Loop #2 Secondary Setpoint Value............... 0
         Primary Gain Factor..................... 0.00
                     Rpts/Min................... 0.00
         Secondary Gain Factor.................. 0.00
                 Rpts/Min..................... 0.00
         Deadband %............................. 0
         Startup Ramp %......................... 0
         Shutdown Ramp %........................ 0
         Minimum Ramp To %...................... 0
         Primary Setpoint Low  Limit............ 0
                     High Limit............. 0
                     Zero Value............. 0
                     Full Scale Value........ 0
         Secondary Var Zero Value............... 0
                     Full Scale Value......... 0
Loop #3 Secondary Setpoint Value............... 0
         Primary Gain Factor..................... 0.00
                     Rpts/Min................... 0.00
         Secondary Gain Factor.................. 0.00
                 Rpts/Min..................... 0.00
         Deadband %............................. 0
         Startup Ramp %......................... 0
         Shutdown Ramp %........................ 0
         Minimum Ramp To %...................... 0
         Primary Setpoint Low  Limit............ 0
                     High Limit............ 0
                     Zero Value............. 0
                     Full Scale Value........ 0
         Secondary Var Zero Value............... 0
                     Full Scale Value......... 0
Loop #4 Secondary Setpoint Value............... 0
         Primary Gain Factor..................... 0.00
                     Rpts/Min................... 0.00
         Secondary Gain Factor.................. 0.00
                 Rpts/Min..................... 0.00
         Deadband %............................. 0
         Startup Ramp %......................... 0
         Shutdown Ramp %........................ 0
```

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=========================================================================
CONFIGURATION DATA REPORT        COMPUTER ID : 62823          PAGE : 29
=========================================================================

---------- PID CONTROL SETUP                                  (Cont'd)
        Minimum Ramp To %...................... 0
        Primary Setpoint Low  Limit............ 0
                        High Limit............. 0
                        Zero Value............. 0
                        Full Scale Value....... 0
        Secondary Var Zero Value............... 0
                        Full Scale Value......... 0

---------- GRAV/DENSITY SETUP

---------- TEMP/PRESS SETUP
    Temp  #1 Low Alarm Limit................... -10
             Hi  Alarm Limit.................. 40
             Override Value................... 15
             Override Code.................... Avg on fail
    Temp  #2 Low Alarm Limit................... -10
             Hi  Alarm Limit.................. 40
             Override Value................... 15
             Override Code.................... Avg on fail
    Press #1 Low Alarm Limit................. 35
             Hi  Alarm Limit.................. 80
             Override Value................... 50
             Override Code.................... Avg on fail
             at 4mA.......................... 0
             at 20mA......................... 80
             Damping Code.................... 0.0 Seconds
    Press #2 Low Alarm Limit................. 30
             Hi  Alarm Limit.................. 80
             Override Value................... 50
             Override Code.................... Avg on fail
             at 4mA.......................... 0
             at 20mA......................... 80
             Damping Code.................... 0.0 Seconds

---------- DIFF. PRESSURE SETUP
Diff Pressure #1 Low Alarm Limit............... -2.5
             Hi  Alarm Limit................ 502.5
             Override Value................. 0
             Override Code.................. Avg on fail
             Low DP at   4mA................ 0
             Low DP at 20mA................ 50
             Damping Code.................. 0.0 Seconds
             High DP at   4mA................ 0
             High DP at 20mA............... 500
             Damping Code.................. 0.0 Seconds
             High DP Select %............... 95
             Low DP Select %............... 9
Diff Pressure #2 Low Alarm Limit............... -2.5
             Hi  Alarm Limit............... 502.5
             Override Value................. 0
             Override Code................. Avg on fail
```

```
=========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823      PAGE : 30
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---------- DIFF. PRESSURE SETUP                            (Cont'd)
                Low DP at  4mA................. 0
                Low DP at 20mA................. 50
                Damping Code................... 0.0 Seconds
                High DP at  4mA............... 0
                High DP at 20mA............... 500
                Damping Code................... 0.0 Seconds
                High DP Select %.............. 95
                Low DP Select %............... 9
Diff Pressure #3 Low Alarm Limit............... -2.5
                Hi  Alarm Limit............... 502.5
                Override Value................ 0
                Override Code................. Avg on fail
                Low DP at  4mA................ 0
                Low DP at 20mA................ 500
                Damping Code................... 0.0 Seconds
                High DP at  4mA............... 0
                High DP at 20mA............... 500
                Damping Code................... 0.0 Seconds
                High DP Select %.............. 0
                Low DP Select %............... 0


---------- STATION SG/N2 ETC SETUP
 Station ID................................... Blackrod
 Flow Low Limit  (Tons/Hr).................... 0
 Flow High Limit (Tons/Hr).................... 871.4241
 Gross Flowrate Full Scale.................... 0
 Mass  Flowrate Full Scale.................... 0
 Run Switch Mode.............................. Manual
 Run Switch Time.............................. 0
 Run Switch Threshold Low  %DP................ 0
 Run Switch Threshold High %DP................ 0

---------- METER RUN SETUP
 Meter #1 Meter ID............................ 9741/MTA
          Analysis Selected................... Product #1
          Analyzer Stream Number.............. 3
          Flow Low Limit...................... 0
          Flow High Limit..................... 435.712
          Gross Flow Full Scale............... 0
          Mass Flow Full Scale................ 0
          Low Flow Cutoff..................... .45
          Orifice Measured  Dia............... 366.846
          Orifice Reference Temp.............. 21
          Orifice Expansion Coef.............. 1.600000E-005
          Pipe Measured  Dia.................. 730.1738
          Pipe Reference Temp................. 20
          Pipe Expansion Coef................. 1.100000E-005
          Use Downstream Pressure?............ NO
          Use Upstream Temperature?........... NO
          Orifice Plate Taps.................. Flange Taps
          Transducer Density (Y/N)............ NO
 Meter #2 Meter ID............................ 8171/MTB
```

```
==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823      PAGE : 31
==========================================================================

---------- METER RUN SETUP                                     (Cont'd)
          Analysis Selected..................... Product #1
          Analyzer Stream Number................ 1
          Flow Low Limit........................ 0
          Flow High Limit....................... 435.712
          Gross Flow Full Scale................. 0
          Mass Flow Full Scale.................. 0
          Low Flow Cutoff....................... .45
          Orifice Measured  Dia................. 366.499
          Orifice Reference Temp................ 21
          Orifice Expansion Coef................ 1.600000E-005
          Pipe Measured  Dia.................... 730.2849
          Pipe Reference Temp................... 20
          Pipe Expansion Coef................... 1.100000E-005
          Use Downstream Pressure?.............. NO
          Use Upstream Temperature?............. NO
          Orifice Plate Taps.................... Flange Taps
          Transducer Density (Y/N).............. NO
 Meter #3 Meter ID.............................
          Analysis Selected..................... Product #1
          Analyzer Stream Number................ 0
          Flow Low Limit........................ 0
          Flow High Limit....................... 0
          Gross Flow Full Scale................. 0
          Mass Flow Full Scale.................. 0
          Low Flow Cutoff....................... 0
          Orifice Measured  Dia................. 0
          Orifice Reference Temp................ 0
          Orifice Expansion Coef................ 0.000000E+000
          Pipe Measured  Dia.................... 0
          Pipe Reference Temp................... 0
          Pipe Expansion Coef................... 0.000000E+000
          Use Downstream Pressure?.............. NO
          Use Upstream Temperature?............. YES
          Orifice Plate Taps.................... Flange Taps
          Transducer Density (Y/N).............. NO


---------- FACTOR SETUP & SYS CONSTANTS
 Atmospheric Pressure (absolute)................ 1.01325
 Base Pressure (absolute)....................... 1.01325
 Base Temperature............................... 15
 Density of Air................................. 1.225410
 Flow Average Factor............................ 0
 Alarm Deadband %............................... 2.00
 Roll All Totalizers............................ 9 Digits
 Gross  Totalizer Decimal Places................ 0
 Net    Totalizer Decimal Places................ 0
 Mass   Totalizer Decimal Places................ 0
 Energy Totalizer Decimal Places................ 0
 Select Averaging Method........................ Flow Weighted
 Select Pressure Units.......................... Bar
 Select DP Units................................ Milli Bar
```

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==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 32
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---------- FLUID DATA & ANALYSIS
 Prod #1 Fluid Name..............................
         Fluid Type Select (F1=Help)............ Natural Gas
         Viscosity in pa.s...................... .0000116
         Isentropic Exponent.................... 1.3215
         AGA-8 Method (F1=Help)................. 94 Detailed
         Heating Value Method (F1=Help)......... ISO 6976
         Heating Value MJ/NM3................... 39.92
         Specific Gravity....................... 0.6410
         1994-01 % Methane (CH4)................ 87.9129
         1994-02 % Nitrogen (N2)................ 0.9419
         1994-03 % Carbon Dioxide (CO2)......... 2.4474
         1994-04 % Ethane (C2H6)................ 6.1555
         1994-05 % Propane (C3H8)............... 1.9367
         1994-06 % Water (H2O).................. 0.0000
         1994-07 % Hydrogen Sulfide (H2S)....... 0.0000
         1994-08 % Hydrogen (H2)................ 0.0000
         1994-09 % Carbon Monoxide (CO)......... 0.0000
         1994-10 % Oxygen (O2).................. 0.0000
         1994-11 % i-Butane (iC4H10)............ 0.1755
         1994-12 % n-Butane (nC4H10)............ 0.3017
         1994-13 % i-Pentane (iC5H12)........... 0.0464
         1994-14 % n-Pentane (nC5H12)........... 0.0480
         1994-15 % n-Hexane (C6H14)............. 0.0339
         1994-16 % n-Heptane (C7H16)............ 0.0000
         1994-17 % n-Octane (C8H16)............. 0.0000
         1994-18 % n-Nonane..................... 0.0000
         1994-19 % n-Decane..................... 0.0000
         1994-20 % Helium (He).................. 0.0000
         1994-21 % Argon (Ar)................... 0.0000
 Prod #2 Fluid Name..............................
         Fluid Type Select (F1=Help)............ None Selected
         Reference Density KG/M3................ 0
         Viscosity in pa.s...................... 0
         Isentropic Exponent.................... 0
         Heating Value MJ/NM3................... 39.92
 Prod #3 Fluid Name..............................
         Fluid Type Select (F1=Help)............ None Selected
         Reference Density KG/M3................ 0
         Viscosity in pa.s...................... 0
         Isentropic Exponent.................... 0
         Heating Value MJ/NM3................... 0
 Prod #4 Fluid Name..............................
         Fluid Type Select (F1=Help)............ None Selected
         Reference Density Lb/Ft3............... 0
         Viscosity in Centipoise................ 0
         Isentropic Exponent.................... 0
         Heating Value Btu/Scf.................. 0
```

TABLE B.2 CONFIGURATION DATA REPORT 16/07/2007

```
========================================================================
     CONFIGURATION DATA REPORT : [ BLAL0802.OMI ]

     COMPANY NAME : TRANSCO part of Lattice Group plc
     LOCATION :     Sunny Blackrod
     COMPUTER ID :  62823

     CURRENT DATE : 3-31-2010  TIME : 11:42a
     CONFIGURATION FILE : LAST MODIFIED
     =======================================================================

     ---------- CHECK I/O MODULE CONFIG
      OMNI Flow Computer Model Number................ OMNI 6000
      Number of TYPE A Modules Installed............. 3
      Number of TYPE B Modules Installed............. 0
      Number of TYPE C Modules Installed............. 0
      Number of TYPE E Modules Installed............. 0
      Number of TYPE E/D Modules Installed........... 0
      Number of TYPE H Modules Installed............. 0
      Number of DIGITAL Modules Installed........... 1
      Number of SERIAL  Modules Installed........... 2

     ---------- FLOW COMPUTER TIME & DATE
                     OMNI Time.................... 11:11:01
                     OMNI Date.................... 16/07/07
                     Select Date Type............. dd/mm/yy

     ---------- CONFIG STATION DATA
      Station Totals and Flows Defined As:.......... 1+2
      Reference Gravity.I/O Pnt#.................... 0
                     Tag..........................
                     Type......................... 4-20 mA
      Nitrogen %     I/O Pnt#....................... 0
                     Tag..........................
      Carbon Dioxide I/O Pnt#....................... 0
                     Tag..........................
      Heating Value  I/O Pnt#....................... 0
                     Tag..........................
      Auxiliary Input #1 I/O Pnt#.................... 0
                         Tag.........................
                         Type........................ DIN Rtd
      Auxiliary Input #2 I/O Pnt#.................... 0
                         Tag.........................
                         Type........................ DIN Rtd
      Auxiliary Input #3 I/O Pnt#.................... 0
                         Tag.........................
                         Type........................ DIN Rtd
      Auxiliary Input #4 I/O Pnt#.................... 0
                         Tag.........................
                         Type........................ DIN Rtd

     ---------- CONFIG METER RUNS
      Meter #1 Select Turbine Y/N................... NO
               DP Low  Range I/O Pnt#............... 3
                             Tag.................... DPLR-1
```

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========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 02
========================================================================

---------- CONFIG METER RUNS                               (Cont'd)
          DP High Range I/O Pnt#................ 4
                        Tag.................... DPHR-1
          Temp I/O Pnt#........................ 1
                  Tag............................ FT-1
                  Type........................... DIN Rtd
          Pres I/O Pnt#........................ 2
                  Tag............................ FP-1
          Dens I/O Pnt#........................ 0
                  Tag............................
                  Type........................... 4-20 SG
          Dens Temp I/O Pnt#................... 0
                  Tag............................
                  Type........................... DIN Rtd
          Dens Pres I/O Pnt#................... 0
                  Tag............................
 Meter #2 Select Turbine Y/N.................... NO
          DP Low  Range I/O Pnt#............... 7
                        Tag.................... DPLR-2
          DP High Range I/O Pnt#............... 8
                        Tag.................... DPHR-2
          Temp I/O Pnt#........................ 5
                  Tag............................ FT-2
                  Type........................... DIN Rtd
          Pres I/O Pnt#........................ 6
                  Tag............................ FP-2
          Dens I/O Pnt#........................ 0
                  Tag............................
                  Type........................... 4-20 SG
          Dens Temp I/O Pnt#................... 0
                  Tag............................
                  Type........................... DIN Rtd
          Dens Pres I/O Pnt#................... 0
                  Tag............................
 Meter #3 Select Turbine Y/N.................... NO
          DP Low  Range I/O Pnt#............... 11
                        Tag.................... DPST-1
          DP High Range I/O Pnt#............... 12
                        Tag.................... DPST-2
          Temp I/O Pnt#........................ 0
                  Tag............................
                  Type........................... DIN Rtd
          Pres I/O Pnt#........................ 0
                  Tag............................
          Dens I/O Pnt#........................ 0
                  Tag............................
                  Type........................... 4-20 SG
          Dens Temp I/O Pnt#................... 0
                  Tag............................
                  Type........................... DIN Rtd
          Dens Pres I/O Pnt#................... 0
                  Tag............................
 Meter #4 Select Turbine Y/N.................... NO
          DP Low  Range I/O Pnt#............... 0
                        Tag....................
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 03
=========================================================================

---------- CONFIG METER RUNS                                    (Cont'd)
          DP High Range I/O Pnt#................ 0
                        Tag...................
          Temp I/O Pnt#........................ 0
                Tag.............................
                Type........................... DIN Rtd
          Pres I/O Pnt#........................ 0
                Tag.............................
          Dens I/O Pnt#........................ 0
                Tag.............................
                Type........................... 4-20 SG
          Dens Temp I/O Pnt#................... 0
                Tag.............................
                Type........................... DIN Rtd
          Dens Pres I/O Pnt#................... 0
                Tag.............................

---------- CONFIG PID LOOPS
Loop #1 Primary Variable Assign................ 0
                      Remark................
                      Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                        Remark..............
                        Action (F/R)........ Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual)............. Last State
        Control Output Tag.....................
Loop #2 Primary Variable Assign................ 0
                      Remark................
                      Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                        Remark..............
                        Action (F/R)........ Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual)............. Last State
        Control Output Tag.....................
Loop #3 Primary Variable Assign................ 0
                      Remark................
                      Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                        Remark..............
                        Action (F/R)........ Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual)............. Last State
        Control Output Tag.....................
Loop #4 Primary Variable Assign................ 0
                      Remark................
                      Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                        Remark..............
```

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======================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 04
======================================================================

---------- CONFIG PID LOOPS                                (Cont'd)
                       Action (F/R)......... Forward
       Error Select (Low/High)................. Low
       Startup Mode (Last/Manual).............. Last State
       Control Output Tag.....................

---------- CONFIG D/A OUT
       D/A Output #01 Assign.................... 7802
                      Remarks.................. Station scm/hr
                      @  4 ma.................. 0
                      @ 20 ma.................. 1109405
       D/A Output #02 Assign.................... 7044
                      Remarks.................. Odorant scm/hr
                      @  4 ma.................. 0
                      @ 20 ma.................. 1109405
       D/A Output #03 Assign.................... 0
                      Remarks..................
                      @  4 ma.................. 0
                      @ 20 ma.................. 0
       D/A Output #04 Assign.................... 0
                      Remarks..................
                      @  4 ma.................. 0
                      @ 20 ma.................. 0
       D/A Output #05 Assign.................... 0
                      Remarks..................
                      @  4 ma.................. 0
                      @ 20 ma.................. 0
       D/A Output #06 Assign.................... 0
                      Remarks..................
                      @  4 ma.................. 0
                      @ 20 ma................. 0

---------- CONFIG FRONT PANEL COUNTERS
    Front Panel Counter A Assign................ 1802
                          Remark............... Stream 1 st vol
                          Pulses/Unit........... .001
    Front Panel Counter B Assign................ 1804
                          Remark............... Stream 1 ene flo
                          Pulses/Unit........... .01
    Front Panel Counter C Assign................ 0
                          Remark...............
                          Pulses/Unit........... 0

---------- CONFIGURE BOOLEAN STATEMENTS
                      Boolean #1025 =........ 1811
                          Remarks........ Hi flow alrm
                      Boolean #1026 =........ /1829+1837
                          Remarks........ Power/EPROM fail
                      Boolean #1027 =........ 7054+7055
                          Remarks........ RD alarm
                      Boolean #1028 =........ 1125+1126
                          Remarks........ 1. L/H T alrm
```

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========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 05
========================================================================

---------- CONFIGURE BOOLEAN STATEMENTS                        (Cont'd)
                    Boolean #1029 =........ 1129+1130
                            Remarks........ 1. L/H P alrm
                    Boolean #1030 =........ 1141+1142
                            Remarks........ 1. L/H DP alarm
                    Boolean #1031 =........ 1341+1342
                            Remarks........ 1. L/H STBY alrm
                    Boolean #1032 =........ 7035&1152
                            Remarks........ 1. LDP OutOfTol
                    Boolean #1033 =........ 7036&1153
                            Remarks........ 1. HDP OutOfTol
                    Boolean #1034 =........ 7048+7049
                            Remarks........ 1. Density alrm
                    Boolean #1035 =........
                            Remarks........
                    Boolean #1036 =........ 1225+1226
                            Remarks........ 2. L/H T alrm
                    Boolean #1037 =........ 1229+1230
                            Remarks........ 2. L/H P alrm
                    Boolean #1038 =........ 1241+1242
                            Remarks........ 2. L/H DP alrm
                    Boolean #1039 =........ 1341+1342
                            Remarks........ 2. L/H STDP alrm
                    Boolean #1040 =........ 7041&1252
                            Remarks........ 2. LDP OutOfTol
                    Boolean #1041 =........ 7042&1253
                            Remarks........ 2. HDP OutOfTol
                    Boolean #1042 =........ 7051+7052
                            Remarks........ 2. Density
                    Boolean #1043 =........
                            Remarks........
                    Boolean #1044 =........ 1025+1026+1027
                            Remarks........ General
                    Boolean #1045 =........ 1028+1029+1030
                            Remarks........ 1.
                    Boolean #1046 =........ 1031+1032+1033
                            Remarks........ 1.
                    Boolean #1047 =........ 1034
                            Remarks........ 1.
                    Boolean #1048 =........ 1036+1037+1038
                            Remarks........ 2.
                    Boolean #1049 =........ 1039+1040+1041
                            Remarks........ 2.
                    Boolean #1050 =........ 1042
                            Remarks........ 2.
                    Boolean #1051 =........ 1045+1046+1047
                            Remarks........ 1. Combined
                    Boolean #1052 =........ 1048+1049+1050
                            Remarks........ 2. Combined
                    Boolean #1053 =........ 1051&1105
                            Remarks........ 1. in use?
                    Boolean #1054 =........ 1052&1205
                            Remarks........ 2. in use?
                    Boolean #1055 =........ 1044+1053+1054
                            Remarks........ Meter Suspect
```

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========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 06
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---------- CONFIGURE BOOLEAN STATEMENTS                      (Cont'd)
                  Boolean #1056 =........
                          Remarks........
                  Boolean #1057 =........  1088=1070
                          Remarks........  Maintenance
                  Boolean #1058 =........  1087=1055
                          Remarks........  Meter Suspect
                  Boolean #1059 =........  1086=1027
                          Remarks........  RD error
                  Boolean #1060 =........  1085=1034
                          Remarks........  1. Density error
                  Boolean #1061 =........  1084=1032
                          Remarks........  1. Low DP error
                  Boolean #1062 =........  1083=1033
                          Remarks........  1. High DP error
                  Boolean #1063 =........  1082=1042
                          Remarks........  2. Density error
                  Boolean #1064 =........  1081=1040
                          Remarks........  2. Low DP error
                  Boolean #1065 =........  1080=1041
                          Remarks........  2. High DP error
                  Boolean #1066 =........
                          Remarks........
                  Boolean #1067 =........
                          Remarks........
                  Boolean #1068 =........
                          Remarks........
                  Boolean #1069 =........  /1105&/1205
                          Remarks........  No flow if = 1
                  Boolean #1070 =........  7025
                          Remarks........  Maintenance mode
                  Boolean #1071 =........  1027
                          Remarks........  Spare
                  Boolean #1072 =........  /1055
                          Remarks........  Invert met susp
                  Boolean #1073 =........  1736=/1105
                          Remarks........  1.Disable flow
                  Boolean #1074 =........  1737=/1205
                          Remarks........  2. Disable flow
                  Boolean #1075 =........
                          Remarks........  Den #3 alarm
                  Boolean #1076 =........
                          Remarks........  Den #4 alarm
                  Boolean #1077 =........
                          Remarks........
                  Boolean #1078 =........
                          Remarks........
                  Boolean #1079 =........
                          Remarks........
                  Boolean #1080 =........  M2 HDP OutOfTol
                          Remarks........
                  Boolean #1081 =........  M2 LDP OutOfTol
                          Remarks........
                  Boolean #1082 =........  M2 Den OutOfTol
                          Remarks........
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 07
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---------- CONFIGURE BOOLEAN STATEMENTS                      (Cont'd)
                    Boolean #1083 =........ M1 HDP OutOfTol
                            Remarks........
                    Boolean #1084 =........ M1 LDP OutOfTol
                            Remarks........
                    Boolean #1085 =........ M1 Den OutOfTol
                            Remarks........
                    Boolean #1086 =........ RD OutOfTol
                            Remarks........
                    Boolean #1087 =........ Meter Suspect
                            Remarks........
                    Boolean #1088 =........ Maintenance
                            Remarks........

---------- CONFIGURE VARIABLE STATEMENTS
                    Statement #7025 =........ Main:-1=Off,1=On
                            Remarks........
                    Statement #7026 =........ LGT Fix Output %
                            Remarks........
                    Statement #7027 =........ LGT lo flo inj %
                            Remarks........
                    Statement #7028 =........ #5.0
                            Remarks........ Enter DP tol
                    Statement #7029 =........ #5.0-7028
                            Remarks........ DP tol >5.0?
                    Statement #7030 =........ 7029)7028=#5.0
                            Remarks........ Set min DPtol
                    Statement #7031 =........ 8596+8795
                            Remarks........ 1.Sum hi cells
                    Statement #7032 =........ 7031/#2
                            Remarks........ 1.Average hi
                    Statement #7033 =........ 7032-8595
                            Remarks........ 1.Diff av H + L
                    Statement #7034 =........ 8596-8795
                            Remarks........ 1.Diff H + STBY
                    Statement #7035 =........ $7033-7028
                            Remarks........ 1.LDP OutOfTol
                    Statement #7036 =........ $7034-7028
                            Remarks........ 1.HDP OutOfTol
                    Statement #7037 =........ 8696+8796
                            Remarks........ 2.Sum hi cells
                    Statement #7038 =........ 7037/#2
                            Remarks........ 2.Average hi
                    Statement #7039 =........ 7038-8695
                            Remarks........ 2.Diff av H + L
                    Statement #7040 =........ 8696-8796
                            Remarks........ 2.Diff H + STBY
                    Statement #7041 =........ $7039-7028
                            Remarks........ 2.LDP OutOfTol
                    Statement #7042 =........ $7040-7028
                            Remarks........ 2.HDP OutOfTol
                    Statement #7043 =........
                            Remarks........
                    Statement #7044 =........ 7802
```

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=========================================================================
CONFIGURATION DATA REPORT       COMPUTER ID : 62823        PAGE : 08
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---------- CONFIGURE VARIABLE STATEMENTS                     (Cont'd)
                        Remarks........    Set odour flow
              Statement #7045 =........    1069)7044=7085
                        Remarks........    LGT-low flow
              Statement #7046 =........    1055)7044=7086
                        Remarks........    LGT-Met Susp
              Statement #7047 =........    7025)7044=7087
                        Remarks........    LGT-fix flow
              Statement #7048 =........    7107-#80
                        Remarks........    1. Hi den?
              Statement #7049 =........    #24-7107
                        Remarks........    1. Low den?
              Statement #7050 =........
                        Remarks........
              Statement #7051 =........    7207-#80
                        Remarks........    2. Hi den?
              Statement #7052 =........    #24-7207
                        Remarks........    2. Low den?
              Statement #7053 =........
                        Remarks........
              Statement #7054 =........    7141-#0.7
                        Remarks........    RD hi?
              Statement #7055 =........    #0.5-7141
                        Remarks........    RD low?
              Statement #7056 =........
                        Remarks........
              Statement #7057 =........
                        Remarks........
              Statement #7058 =........    7854=7138*17002
                        Remarks........    St mass fl limit
              Statement #7059 =........    7854=7854/#1000
                        Remarks........    Convert to ton/h
              Statement #7060 =........    7162=7854/#2
                        Remarks........    1. Mass flow lim
              Statement #7061 =........    7262=7854/#2
                        Remarks........    2. Mass flow lim
              Statement #7062 =........    7151=#.0009*7158
                        Remarks........    1.Set DP cutoff
              Statement #7063 =........    7251=#.0009*7258
                        Remarks........    2.Set DP cutoff
              Statement #7064 =........
                        Remarks........
              Statement #7065 =........
                        Remarks........
              Statement #7066 =........
                        Remarks........
              Statement #7067 =........    7802*#0.000024
                        Remarks........    St vol MSCM/D
              Statement #7068 =........    7804*#0.024
                        Remarks........    St. energy MMJ/D
              Statement #7069 =........    7802/17002*#100
                        Remarks........    %Max flow
              Statement #7070 =........    17002*#0.000024
                        Remarks........    Max vol MSCM/D
              Statement #7071 =........    7070*#44
```

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========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823       PAGE : 09
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---------- CONFIGURE VARIABLE STATEMENTS                      (Cont'd)
                           Remarks........  Max energy MMJ/D
                Statement #7072 =........  7068/7071*#100
                           Remarks........  %Energy for tele
                Statement #7073 =........  7044/17004*#100
                           Remarks........  %Odour
                Statement #7074 =........
                           Remarks........
                Statement #7075 =........
                           Remarks........
                Statement #7076 =........  17049=17025
                           Remarks........  Set counter A
                Statement #7077 =........  17050=#10*17049
                           Remarks........  Set counter B
                Statement #7078 =........  7152=7158/#-200
                           Remarks........  1. DP low limit
                Statement #7079 =........  7153=7158+$7152
                           Remarks........  1. DP hi limit
                Statement #7080 =........  7252=7258/#-200
                           Remarks........  2. DP low limit
                Statement #7081 =........  7253=7258+$7252
                           Remarks........  2. DP hi limit
                Statement #7082 =........  7352=7358/#-200
                           Remarks........  3. DP low limit
                Statement #7083 =........  7353=7358+$7352
                           Remarks........  3. DP hi limit
                Statement #7084 =........
                           Remarks........
                Statement #7085 =........  7027/#100*17004
                           Remarks........  LGT low flow inj
                Statement #7086 =........  /1055)7086=7044
                           Remarks........  Store LGT output
                Statement #7087 =........  7026/#100*17004
                           Remarks........  LGT fix flow
                Statement #7088 =........
                           Remarks........

   ---------- CONFIG USER DISPLAYS
   User Display Number 1  Key Press.............  F
         1st Variable  Tag..................  MSCM/D
                       Point #..............  7067
                       Dec. Places..........  6
         2nd Variable  Tag..................  MMJ/D
                       Point #..............  7068
                       Dec. Places..........  6
         3rd Variable  Tag..................  %Max flw
                       Point #..............  7069
                       Dec. Places..........  2
         4th Variable  Tag..................  %Odour
                       Point #..............  7073
                       Dec. Places..........  2
   User Display Number 2  Key Press.............  IO
         1st Variable  Tag..................  RD
                       Point #..............  7141
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 10
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---------- CONFIG USER DISPLAYS                              (Cont'd)
                        Dec. Places........... 7
            2nd Variable Tag................... Ref den
                        Point #.............. 7138
                        Dec. Places........... 7
            3rd Variable Tag................... Density
                        Point #.............. 7107
                        Dec. Places........... 7
            4th Variable Tag................... CV
                        Point #.............. 7142
                        Dec. Places........... 7
   User Display Number 3 Key Press............. IP
            1st Variable Tag................... RD
                        Point #.............. 7241
                        Dec. Places........... 7
            2nd Variable Tag................... Ref den
                        Point #.............. 7238
                        Dec. Places........... 7
            3rd Variable Tag................... Density
                        Point #.............. 7207
                        Dec. Places........... 7
            4th Variable Tag................... CV
                        Point #.............. 7242
                        Dec. Places........... 7
   User Display Number 4 Key Press............. VER
            1st Variable Tag................... O2_71_V2
                        Point #.............. 0
                        Dec. Places........... 0
            2nd Variable Tag................... LGTcutof
                        Point #.............. 7027
                        Dec. Places........... 2
            3rd Variable Tag................... 25/08/98
                        Point #.............. 0
                        Dec. Places........... 0
            4th Variable Tag...................
                        Point #.............. 0
                        Dec. Places........... 0
   User Display Number 5 Key Press............. FO
            1st Variable Tag................... acmh
                        Point #.............. 7101
                        Dec. Places........... 3
            2nd Variable Tag................... scmh
                        Point #.............. 7102
                        Dec. Places........... 3
            3rd Variable Tag................... tons/hr
                        Point #.............. 7103
                        Dec. Places........... 7
            4th Variable Tag................... GJ/hr
                        Point #.............. 7104
                        Dec. Places........... 3
   User Display Number 6 Key Press............. FP
            1st Variable Tag................... acmh
                        Point #.............. 7201
                        Dec. Places........... 3
            2nd Variable Tag................... scmh
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 11
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---------- CONFIG USER DISPLAYS                              (Cont'd)
                      Point #............... 7202
                      Dec. Places.......... 3
         3rd Variable Tag.................. tons/hr
                      Point #.............. 7203
                      Dec. Places.......... 7
         4th Variable Tag.................. GJ/hr
                      Point #.............. 7204
                      Dec. Places.......... 3
  User Display Number 7 Key Press............. DPO
         1st Variable Tag.................. Low DP
                      Point #.............. 8595
                      Dec. Places.......... 4
         2nd Variable Tag.................. High DP
                      Point #.............. 8596
                      Dec. Places.......... 4
         3rd Variable Tag.................. Standby
                      Point #.............. 8795
                      Dec. Places.......... 4
         4th Variable Tag.................. Average
                      Point #.............. 7032
                      Dec. Places.......... 4
  User Display Number 8 Key Press............. DPP
         1st Variable Tag.................. Low DP
                      Point #.............. 8695
                      Dec. Places.......... 4
         2nd Variable Tag.................. High DP
                      Point #.............. 8696
                      Dec. Places.......... 4
         3rd Variable Tag.................. Standby
                      Point #.............. 8796
                      Dec. Places.......... 4
         4th Variable Tag.................. Average
                      Point #.............. 7038
                      Dec. Places.......... 4

---------- CONFIG DIGITAL I/O
     Digital Point #1 Assign.................. 1802
                      Remarks................. Integ St Vol.
                      Pulse Width............. 20
                      Pulses/Unit............. .001
     Digital Point #2 Assign.................. 1072
                      Remarks................. Meter Suspect
                      Delay On................ 10
                      Delay Off............... 10
     Digital Point #3 Assign.................. 0
                      Remarks.................
                      Delay On................ 0
                      Delay Off............... 0
     Digital Point #4 Assign.................. 0
                      Remarks.................
                      Delay On................ 0
                      Delay Off............... 0
     Digital Point #5 Assign.................. 0
```

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========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 12
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---------- CONFIG DIGITAL I/O                              (Cont'd)
                  Remarks.................
                  Delay On...............  0
                  Delay Off..............  0
       Digital Point #6 Assign...................  0
                  Remarks.................
                  Delay On...............  0
                  Delay Off..............  0
       Digital Point #7 Assign...................  0
                  Remarks.................
                  Delay On...............  0
                  Delay Off..............  0
       Digital Point #8 Assign...................  0
                  Remarks.................
                  Delay On...............  0
                  Delay Off..............  0
       Digital Point #9 Assign...................  0
                  Remarks.................
                  Delay On...............  0
                  Delay Off..............  0
       Digital Point #10 Assign.................  0
                   Remarks.................
                   Delay On...............  0
                   Delay Off..............  0
       Digital Point #11 Assign.................  0
                   Remarks...............
                   Delay On..............  0
                   Delay Off.............  0
       Digital Point #12 Assign.................  0
                   Remarks...............
                   Delay On..............  0
                   Delay Off.............  0


---------- CONFIG SERIAL I/O
       Serial I/O #1 Baud Rate..................  9600
                  Stop Bits..................  1 Bit
                  Data Bits..................  8
                  Parity.....................  None
                  Xmit Key Delay.............  0ms
                  Port Type..................  Printer
       Serial I/O #2 Baud Rate..................  9600
                  Stop Bits..................  1 Bit
                  Data Bits..................  8
                  Parity.....................  None
                  Xmit Key Delay.............  0ms
                  Protocol Type..............  Modbus RTU(Modem)
                  Modbus ID..................  1
                  Modicon Compatible.........  NO
                  CRC Enabled................  YES
       Serial I/O #3 Baud Rate..................  9600
                  Stop Bits..................  1 Bit
                  Data Bits..................  8
                  Parity.....................  None
                  Xmit Key Delay.............  0ms
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 13
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---------- CONFIG SERIAL I/O                                  (Cont'd)
                    Protocol Type.............. Modbus ASCII
                    Modbus ID.................. 1
                    Modicon Compatible......... YES
                    CRC Enabled................ YES
        Serial I/O #4 Baud Rate.................. 9600
                    Stop Bits.................. 1 Bit
                    Data Bits.................. 8
                    Parity..................... None
                    Xmit Key Delay............. 0ms
                    Protocol Type.............. Modbus RTU
                    Modbus ID.................. 0
                    Modicon Compatible......... YES
                    CRC Enabled................ YES


---------- MODBUS PEER/PEER COMMUNICATIONS
                    Activate Redundancy Mode.......... NO
                    Next Master in Sequence........... 0
                    Last Master in Sequence........... 0
                    Retry Timer (50 mS Ticks)......... 0
        Transaction #1 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #2 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #3 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #4 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #5 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #6 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #7 Target Slave ID............ 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
```

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=========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 14
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---------- MODBUS PEER/PEER COMMUNICATIONS                      (Cont'd)
                    Dest. Point #............. 0
     Transaction #8 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
     Transaction #9 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
    Transaction #10 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
    Transaction #11 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
    Transaction #12 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
    Transaction #13 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
    Transaction #14 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
    Transaction #15 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
    Transaction #16 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0

---------- CUSTOM MODBUS PACKET(ADDR:001)
            Packet #01 Pnt.#................. 0
                       # of Points........... 0
            Packet #02 Pnt.#................. 0
                       # of Points........... 0
            Packet #03 Pnt.#................. 0
```

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CONFIGURATION DATA REPORT       COMPUTER ID : 62823        PAGE : 15
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---------- CUSTOM MODBUS PACKET(ADDR:001)                    (Cont'd)
                    # of Points............  0
            Packet #04 Pnt.#..................  0
                    # of Points............  0
            Packet #05 Pnt.#..................  0
                    # of Points............  0
            Packet #06 Pnt.#..................  0
                    # of Points............  0
            Packet #07 Pnt.#..................  0
                    # of Points............  0
            Packet #08 Pnt.#..................  0
                    # of Points............  0
            Packet #09 Pnt.#..................  0
                    # of Points............  0
            Packet #10 Pnt.#..................  0
                    # of Points............  0
            Packet #11 Pnt.#..................  0
                    # of Points............  0
            Packet #12 Pnt.#..................  0
                    # of Points............  0
            Packet #13 Pnt.#..................  0
                    # of Points............  0
            Packet #14 Pnt.#..................  0
                    # of Points............  0
            Packet #15 Pnt.#..................  0
                    # of Points............  0
            Packet #16 Pnt.#..................  0
                    # of Points............  0
            Packet #17 Pnt.#..................  0
                    # of Points............  0
            Packet #18 Pnt.#..................  0
                    # of Points............  0
            Packet #19 Pnt.#..................  0
                    # of Points............  0
            Packet #20 Pnt.#..................  0
                    # of Points............  0


---------- CUSTOM MODBUS PACKET(ADDR:201)
            Packet #01 Pnt.#..................  0
                    # of Points............  0
            Packet #02 Pnt.#..................  0
                    # of Points............  0
            Packet #03 Pnt.#..................  0
                    # of Points............  0
            Packet #04 Pnt.#..................  0
                    # of Points............  0
            Packet #05 Pnt.#..................  0
                    # of Points............  0
            Packet #06 Pnt.#..................  0
                    # of Points............  0
            Packet #07 Pnt.#..................  0
                    # of Points............  0
            Packet #08 Pnt.#..................  0
                    # of Points............  0
```

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CONFIGURATION DATA REPORT       COMPUTER ID : 62823        PAGE : 16
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---------- CUSTOM MODBUS PACKET(ADDR:401)
            Packet #01 Pnt.#..................  0
                       # of Points...........  0
            Packet #02 Pnt.#..................  0
                       # of Points...........  0
            Packet #03 Pnt.#..................  0
                       # of Points...........  0
            Packet #04 Pnt.#..................  0
                       # of Points...........  0
            Packet #05 Pnt.#..................  0
                       # of Points...........  0
            Packet #06 Pnt.#..................  0
                       # of Points...........  0
            Packet #07 Pnt.#..................  0
                       # of Points...........  0
            Packet #08 Pnt.#..................  0
                       # of Points...........  0
            Packet #09 Pnt.#..................  0
                       # of Points...........  0
            Packet #10 Pnt.#..................  0
                       # of Points...........  0
            Packet #11 Pnt.#..................  0
                       # of Points...........  0
            Packet #12 Pnt.#..................  0
                       # of Points...........  0
            Packet #13 Pnt.#..................  0
                       # of Points...........  0
            Packet #14 Pnt.#..................  0
                       # of Points...........  0
            Packet #15 Pnt.#..................  0
                       # of Points...........  0
            Packet #16 Pnt.#..................  0
                       # of Points...........  0
            Packet #17 Pnt.#..................  0
                       # of Points...........  0
            Packet #18 Pnt.#..................  0
                       # of Points...........  0
            Packet #19 Pnt.#..................  0
                       # of Points...........  0
            Packet #20 Pnt.#..................  0
                       # of Points...........  0


---------- ARCHIVE 701 - RECORD DEFINITION
            Packet #01 Pnt.#..................  0
                       # of Points...........  0
            Packet #02 Pnt.#..................  0
                       # of Points...........  0
            Packet #03 Pnt.#..................  0
                       # of Points...........  0
            Packet #04 Pnt.#..................  0
                       # of Points...........  0
            Packet #05 Pnt.#..................  0
                       # of Points...........  0
```

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============================================================================
CONFIGURATION DATA REPORT        COMPUTER ID : 62823          PAGE : 17
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---------- ARCHIVE 701 - RECORD DEFINITION                    (Cont'd)
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 702 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
```

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CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 18
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---------- ARCHIVE 702 - RECORD DEFINITION                    (Cont'd)
                      # of Points............  0
            Packet #15 Pnt.#.................  0
                      # of Points............  0
            Packet #16 Pnt.#.................  0
                      # of Points............  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 703 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                      # of Points............  0
            Packet #02 Pnt.#.................  0
                      # of Points............  0
            Packet #03 Pnt.#.................  0
                      # of Points............  0
            Packet #04 Pnt.#.................  0
                      # of Points............  0
            Packet #05 Pnt.#.................  0
                      # of Points............  0
            Packet #06 Pnt.#.................  0
                      # of Points............  0
            Packet #07 Pnt.#.................  0
                      # of Points............  0
            Packet #08 Pnt.#.................  0
                      # of Points............  0
            Packet #09 Pnt.#.................  0
                      # of Points............  0
            Packet #10 Pnt.#.................  0
                      # of Points............  0
            Packet #11 Pnt.#.................  0
                      # of Points............  0
            Packet #12 Pnt.#.................  0
                      # of Points............  0
            Packet #13 Pnt.#.................  0
                      # of Points............  0
            Packet #14 Pnt.#.................  0
                      # of Points............  0
            Packet #15 Pnt.#.................  0
                      # of Points............  0
            Packet #16 Pnt.#.................  0
                      # of Points............  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 704 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                      # of Points............  0
            Packet #02 Pnt.#.................  0
                      # of Points............  0
            Packet #03 Pnt.#.................  0
                      # of Points............  0
            Packet #04 Pnt.#.................  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 19
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---------- ARCHIVE 704 - RECORD DEFINITION                    (Cont'd)
                 # of Points............  0
           Packet #05 Pnt.#.................  0
                 # of Points...........  0
           Packet #06 Pnt.#.................  0
                 # of Points...........  0
           Packet #07 Pnt.#.................  0
                 # of Points...........  0
           Packet #08 Pnt.#.................  0
                 # of Points...........  0
           Packet #09 Pnt.#.................  0
                 # of Points...........  0
           Packet #10 Pnt.#.................  0
                 # of Points...........  0
           Packet #11 Pnt.#.................  0
                 # of Points...........  0
           Packet #12 Pnt.#.................  0
                 # of Points...........  0
           Packet #13 Pnt.#.................  0
                 # of Points...........  0
           Packet #14 Pnt.#.................  0
                 # of Points...........  0
           Packet #15 Pnt.#.................  0
                 # of Points...........  0
           Packet #16 Pnt.#.................  0
                 # of Points...........  0
           Max Records.....................  0
           Archive Boolean Trigger..........  0

---------- ARCHIVE 705 - RECORD DEFINITION
           Packet #01 Pnt.#.................  0
                 # of Points...........  0
           Packet #02 Pnt.#.................  0
                 # of Points...........  0
           Packet #03 Pnt.#.................  0
                 # of Points...........  0
           Packet #04 Pnt.#.................  0
                 # of Points...........  0
           Packet #05 Pnt.#.................  0
                 # of Points...........  0
           Packet #06 Pnt.#.................  0
                 # of Points...........  0
           Packet #07 Pnt.#.................  0
                 # of Points...........  0
           Packet #08 Pnt.#.................  0
                 # of Points...........  0
           Packet #09 Pnt.#.................  0
                 # of Points...........  0
           Packet #10 Pnt.#.................  0
                 # of Points...........  0
           Packet #11 Pnt.#.................  0
                 # of Points...........  0
           Packet #12 Pnt.#.................  0
                 # of Points...........  0
```

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CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 20
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---------- ARCHIVE 705 - RECORD DEFINITION                 (Cont'd)
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records......................  0
            Archive Boolean Trigger...........  0

---------- ARCHIVE 706 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records......................  0
            Archive Boolean Trigger...........  0

---------- ARCHIVE 707 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 21
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---------- ARCHIVE 707 - RECORD DEFINITION                    (Cont'd)
              Packet #03 Pnt.#.................  0
                         # of Points...........  0
              Packet #04 Pnt.#.................  0
                         # of Points...........  0
              Packet #05 Pnt.#.................  0
                         # of Points...........  0
              Packet #06 Pnt.#.................  0
                         # of Points...........  0
              Packet #07 Pnt.#.................  0
                         # of Points...........  0
              Packet #08 Pnt.#.................  0
                         # of Points...........  0
              Packet #09 Pnt.#.................  0
                         # of Points...........  0
              Packet #10 Pnt.#.................  0
                         # of Points...........  0
              Packet #11 Pnt.#.................  0
                         # of Points...........  0
              Packet #12 Pnt.#.................  0
                         # of Points...........  0
              Packet #13 Pnt.#.................  0
                         # of Points...........  0
              Packet #14 Pnt.#.................  0
                         # of Points...........  0
              Packet #15 Pnt.#.................  0
                         # of Points...........  0
              Packet #16 Pnt.#.................  0
                         # of Points...........  0
              Max Records.....................  0
              Archive Boolean Trigger..........  0

---------- ARCHIVE 708 - RECORD DEFINITION
              Packet #01 Pnt.#.................  0
                         # of Points...........  0
              Packet #02 Pnt.#.................  0
                         # of Points...........  0
              Packet #03 Pnt.#.................  0
                         # of Points...........  0
              Packet #04 Pnt.#.................  0
                         # of Points...........  0
              Packet #05 Pnt.#.................  0
                         # of Points...........  0
              Packet #06 Pnt.#.................  0
                         # of Points...........  0
              Packet #07 Pnt.#.................  0
                         # of Points...........  0
              Packet #08 Pnt.#.................  0
                         # of Points...........  0
              Packet #09 Pnt.#.................  0
                         # of Points...........  0
              Packet #10 Pnt.#.................  0
                         # of Points...........  0
              Packet #11 Pnt.#.................  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823       PAGE : 22
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---------- ARCHIVE 708 - RECORD DEFINITION                    (Cont'd)
                        # of Points............  0
             Packet #12 Pnt.#.................  0
                        # of Points............  0
             Packet #13 Pnt.#.................  0
                        # of Points............  0
             Packet #14 Pnt.#.................  0
                        # of Points............  0
             Packet #15 Pnt.#.................  0
                        # of Points............  0
             Packet #16 Pnt.#.................  0
                        # of Points............  0
             Max Records......................  0
             Archive Boolean Trigger..........  0


---------- ARCHIVE 709 - RECORD DEFINITION
             Packet #01 Pnt.#.................  0
                        # of Points............  0
             Packet #02 Pnt.#.................  0
                        # of Points............  0
             Packet #03 Pnt.#.................  0
                        # of Points............  0
             Packet #04 Pnt.#.................  0
                        # of Points............  0
             Packet #05 Pnt.#.................  0
                        # of Points............  0
             Packet #06 Pnt.#.................  0
                        # of Points............  0
             Packet #07 Pnt.#.................  0
                        # of Points............  0
             Packet #08 Pnt.#.................  0
                        # of Points............  0
             Packet #09 Pnt.#.................  0
                        # of Points............  0
             Packet #10 Pnt.#.................  0
                        # of Points............  0
             Packet #11 Pnt.#.................  0
                        # of Points............  0
             Packet #12 Pnt.#.................  0
                        # of Points............  0
             Packet #13 Pnt.#.................  0
                        # of Points............  0
             Packet #14 Pnt.#.................  0
                        # of Points............  0
             Packet #15 Pnt.#.................  0
                        # of Points............  0
             Packet #16 Pnt.#.................  0
                        # of Points............  0
             Max Records......................  0
             Archive Boolean Trigger..........  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 23
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---------- ARCHIVE 710 - RECORD DEFINITION
            Packet #01 Pnt.#.................. 0
                       # of Points........... 0
            Packet #02 Pnt.#.................. 0
                       # of Points........... 0
            Packet #03 Pnt.#.................. 0
                       # of Points........... 0
            Packet #04 Pnt.#.................. 0
                       # of Points........... 0
            Packet #05 Pnt.#.................. 0
                       # of Points........... 0
            Packet #06 Pnt.#.................. 0
                       # of Points........... 0
            Packet #07 Pnt.#.................. 0
                       # of Points........... 0
            Packet #08 Pnt.#.................. 0
                       # of Points........... 0
            Packet #09 Pnt.#.................. 0
                       # of Points........... 0
            Packet #10 Pnt.#.................. 0
                       # of Points........... 0
            Packet #11 Pnt.#.................. 0
                       # of Points........... 0
            Packet #12 Pnt.#.................. 0
                       # of Points........... 0
            Packet #13 Pnt.#.................. 0
                       # of Points........... 0
            Packet #14 Pnt.#.................. 0
                       # of Points........... 0
            Packet #15 Pnt.#.................. 0
                       # of Points........... 0
            Packet #16 Pnt.#.................. 0
                       # of Points........... 0
            Max Records...................... 0
            Archive Boolean Trigger.......... 0

---------- CONFIG AB PLC BLOCK#1 READ
    Start Address of Data Block #1.............. 9
      Item  #1 Source Point #.................. 8
               # of Points................... 10
      Item  #2 Source Point #.................. 11
               # of Points................... 2
      Item  #3 Source Point #.................. 0
               # of Points................... 0
      Item  #4 Source Point #.................. 0
               # of Points................... 0
      Item  #5 Source Point #.................. 0
               # of Points................... 3
      Item  #6 Source Point #.................. 4
               # of Points................... 6
      Item  #7 Source Point #.................. 7
               # of Points................... 1
      Item  #8 Source Point #.................. 0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 24
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---------- CONFIG AB PLC BLOCK#1 READ                      (Cont'd)
                # of Points...................  0
       Item  #9 Source Point #..................  0
                # of Points...................  0
       Item #10 Source Point #..................  0
                # of Points...................  0
       Item #11 Source Point #..................  17
                # of Points...................  18
       Item #12 Source Point #..................  0
                # of Points...................  0
       Item #13 Source Point #..................  0
                # of Points...................  0
       Item #14 Source Point #..................  0
                # of Points...................  0
       Item #15 Source Point #..................  0
                # of Points...................  0
       Item #16 Source Point #..................  0
                # of Points...................  0


---------- CONFIG AB PLC BLOCK#2 READ
       Start Address of Data Block #2..............  0
       Item  #1 Source Point #..................  0
                # of Points...................  0
       Item  #2 Source Point #..................  0
                # of Points...................  0
       Item  #3 Source Point #..................  0
                # of Points...................  0
       Item  #4 Source Point #..................  0
                # of Points...................  0
       Item  #5 Source Point #..................  0
                # of Points...................  0
       Item  #6 Source Point #..................  0
                # of Points...................  0
       Item  #7 Source Point #..................  0
                # of Points...................  0
       Item  #8 Source Point #..................  0
                # of Points...................  0
       Item  #9 Source Point #..................  0
                # of Points...................  0
       Item #10 Source Point #..................  0
                # of Points...................  0
       Item #11 Source Point #..................  0
                # of Points...................  0
       Item #12 Source Point #..................  0
                # of Points...................  0
       Item #13 Source Point #..................  0
                # of Points...................  0
       Item #14 Source Point #..................  0
                # of Points...................  0
       Item #15 Source Point #..................  0
                # of Points...................  0
       Item #16 Source Point #..................  0
                # of Points...................  0
```

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---------- CONFIG AB PLC BLOCK#3 READ
    Start Address of Data Block #3.............. 0
        Item  #1 Source Point #.................. 0
                 # of Points................... 0
        Item  #2 Source Point #.................. 0
                 # of Points................... 0
        Item  #3 Source Point #.................. 0
                 # of Points................... 0
        Item  #4 Source Point #.................. 0
                 # of Points................... 0
        Item  #5 Source Point #.................. 0
                 # of Points................... 0
        Item  #6 Source Point #.................. 0
                 # of Points................... 0
        Item  #7 Source Point #.................. 0
                 # of Points................... 0
        Item  #8 Source Point #.................. 0
                 # of Points................... 0
        Item  #9 Source Point #.................. 0
                 # of Points................... 0
        Item #10 Source Point #.................. 0
                 # of Points................... 0
        Item #11 Source Point #.................. 0
                 # of Points................... 0
        Item #12 Source Point #.................. 0
                 # of Points................... 0
        Item #13 Source Point #.................. 0
                 # of Points................... 0
        Item #14 Source Point #.................. 0
                 # of Points................... 0
        Item #15 Source Point #.................. 0
                 # of Points................... 0
        Item #16 Source Point #.................. 0
                 # of Points................... 0


---------- CONFIG AB PLC COMMAND BLOCK
    Start Address of Command Block ............. 0
        Item  #1 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #2 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #3 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #4 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #5 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #6 Dest. Point #.................. 0
                 # of Points................... 0
```

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---------- CONFIG AB PLC SETPOINT BLOCK
    Start Address  of Command Block............. 0
        Item  #1 Dest. Point #................... 0
                 # of Points................... 0
        Item  #2 Dest. Point #................... 0
                 # of Points................... 0
        Item  #3 Dest. Point #................... 0
                 # of Points................... 0
        Item  #4 Dest. Point #................... 0
                 # of Points................... 0
        Item  #5 Dest. Point #................... 0
                 # of Points................... 0
        Item  #6 Dest. Point #................... 0
                 # of Points................... 0
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 27
========================================================================


---------- PRINTER SETUP
          Computer ID.......................... 62823
          Print Interval in Minutes............ 0
          Print Interval Start Time............ 18:00:00
          Daily Report Time.................... 06:00:00
          Disable Daily Report................. YES
          Day Light Savings Start.............. 00/00/00
          Day Light Savings End................ 00/00/00
          Clear Daily Totals at Batch End...... YES
          Auto Hourly Batch Select............. NO
          Auto Weekly  Batch Select............ No Batch End
          Auto Monthly Batch Select............ 0
          Print Priority....................... 0
          Number of Nulls...................... 0
          Use Default Report Template.......... NO
          Printer Condensed Mode String........
          Printer Normal    Mode String........
          Company Name
               TRANSCO part of Lattice Group plc
          Location
               Sunny Blackrod


---------- ANALYSER SETUP
   Analyser ID Number........................... 1
   Analyser Type................................ DANALYZER
   Results Interval (Minutes)................... 4
   Listen Only Mode (Y or N).................... NO
   GC Fail Code................................. Always use
   GC Comp. # for Methane (CH4)................. 0
   GC Comp. # for Nitrogen (N2)................. 0
   GC Comp. # for Carbon Dioxide (CO2).......... 0
   GC Comp. # for Ethane (C2H6)................. 0
   GC Comp. # for Propane (C3H8)................ 0
   GC Comp. # for Water (H2O)................... 0
   GC Comp. # for Hydrogen Sulfide (H2S)........ 0
   GC Comp. # for Hydrogen (H2)................. 0
   GC Comp. # for Carbon Monoxide (CO).......... 0
   GC Comp. # for Oxygen (O2)................... 0
   GC Comp. # for i-Butane (iC4H10)............. 0
   GC Comp. # for n-Butane (nC4H10)............. 0
   GC Comp. # for i-Pentane (iC5H12)............ 0
   GC Comp. # for n-Pentane (nC5H12)............ 0
   GC Comp. # for n-Hexane (C6H14).............. 0
   GC Comp. # for n-Heptane (C7H16)............. 0
   GC Comp. # for n-Octane (C8H16).............. 0
   GC Comp. # for n-Nonane...................... 0
   GC Comp. # for n-Decane...................... 0
   GC Comp. # for Helium (He)................... 0
   GC Comp. # for Argon (Ar)................... 0
   GC Comp. # for Heating Value................. 0
   GC Comp. # for Specific Gravity............. 0
```

```
=========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 28
=========================================================================

---------- PID CONTROL SETUP
Loop #1 Secondary Setpoint Value................ 0
        Primary Gain Factor..................... 0.00
                    Rpts/Min................... 0.00
        Secondary Gain Factor.................. 0.00
                 Rpts/Min...................... 0.00
        Deadband %............................. 0
        Startup Ramp %......................... 0
        Shutdown Ramp %........................ 0
        Minimum Ramp To %...................... 0
        Primary Setpoint Low  Limit............. 0
                    High Limit.............. 0
                    Zero Value.............. 0
                    Full Scale Value........ 0
        Secondary Var Zero Value............... 0
                    Full Scale Value.......... 0
Loop #2 Secondary Setpoint Value............... 0
        Primary Gain Factor.................... 0.00
                    Rpts/Min................... 0.00
        Secondary Gain Factor.................. 0.00
                    Rpts/Min................... 0.00
        Deadband %............................. 0
        Startup Ramp %......................... 0
        Shutdown Ramp %........................ 0
        Minimum Ramp To %...................... 0
        Primary Setpoint Low  Limit............ 0
                    High Limit.............. 0
                    Zero Value.............. 0
                    Full Scale Value........ 0
        Secondary Var Zero Value............... 0
                    Full Scale Value.......... 0
Loop #3 Secondary Setpoint Value............... 0
        Primary Gain Factor.................... 0.00
                    Rpts/Min................... 0.00
        Secondary Gain Factor.................. 0.00
                 Rpts/Min...................... 0.00
        Deadband %............................. 0
        Startup Ramp %......................... 0
        Shutdown Ramp %........................ 0
        Minimum Ramp To %...................... 0
        Primary Setpoint Low  Limit............ 0
                     High Limit............. 0
                    Zero Value.............. 0
                    Full Scale Value........ 0
        Secondary Var Zero Value............... 0
                    Full Scale Value.......... 0
Loop #4 Secondary Setpoint Value............... 0
        Primary Gain Factor.................... 0.00
                    Rpts/Min................... 0.00
        Secondary Gain Factor.................. 0.00
                 Rpts/Min...................... 0.00
        Deadband %............................. 0
        Startup Ramp %......................... 0
        Shutdown Ramp %........................ 0
```

```
========================================================================
CONFIGURATION DATA REPORT        COMPUTER ID : 62823        PAGE : 29
========================================================================

---------- PID CONTROL SETUP                              (Cont'd)
        Minimum Ramp To %...................... 0
        Primary Setpoint Low  Limit............ 0
                        High Limit............. 0
                        Zero Value............. 0
                        Full Scale Value....... 0
        Secondary Var Zero Value............... 0
                        Full Scale Value....... 0

---------- GRAV/DENSITY SETUP

---------- TEMP/PRESS SETUP
    Temp  #1 Low Alarm Limit................... -10
             Hi  Alarm Limit................... 40
             Override Value.................... 15
             Override Code..................... Avg on fail
    Temp  #2 Low Alarm Limit................... -10
             Hi  Alarm Limit................... 40
             Override Value.................... 15
             Override Code..................... Avg on fail
    Press #1 Low Alarm Limit.................. 35
             Hi  Alarm Limit.................. 80
             Override Value................... 50
             Override Code.................... Avg on fail
             at 4mA.......................... 0
             at 20mA......................... 80
             Damping Code..................... 0.0 Seconds
    Press #2 Low Alarm Limit.................. 30
             Hi  Alarm Limit.................. 80
             Override Value................... 50
             Override Code.................... Avg on fail
             at 4mA.......................... 0
             at 20mA......................... 80
             Damping Code..................... 0.0 Seconds

---------- DIFF. PRESSURE SETUP
Diff Pressure #1 Low Alarm Limit................ -2.5
                 Hi  Alarm Limit................ 502.5
                 Override Value................. 0
                 Override Code.................. Avg on fail
                 Low DP at   4mA................ 0
                 Low DP at 20mA................ 50
                 Damping Code.................. 0.0 Seconds
                 High DP at   4mA................ 0
                 High DP at 20mA................ 500
                 Damping Code.................. 0.0 Seconds
                 High DP Select %............... 95
                 Low DP Select %............... 9
Diff Pressure #2 Low Alarm Limit............... -2.5
                 Hi  Alarm Limit............... 502.5
                 Override Value................. 0
                 Override Code................. Avg on fail
```

```
=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 30
=========================================================================


---------- DIFF. PRESSURE SETUP                          (Cont'd)
                Low DP at   4mA................. 0
                Low DP at  20mA................. 50
                Damping Code................... 0.0 Seconds
                High DP at   4mA............... 0
                High DP at  20mA............... 500
                Damping Code................... 0.0 Seconds
                High DP Select %.............. 95
                Low DP Select %............... 9
Diff Pressure #3 Low Alarm Limit............... -2.5
                Hi  Alarm Limit............... 502.5
                Override Value................ 0
                Override Code................. Avg on fail
                Low DP at   4mA............... 0
                Low DP at  20mA............... 500
                Damping Code................... 0.0 Seconds
                High DP at   4mA.............. 0
                High DP at  20mA.............. 500
                Damping Code................... 0.0 Seconds
                High DP Select %.............. 0
                Low DP Select %............... 0


---------- STATION SG/N2 ETC SETUP
 Station ID.................................... Blackrod
 Flow Low Limit  (Tons/Hr)..................... 0
 Flow High Limit (Tons/Hr)..................... 862.4516
 Gross Flowrate Full Scale..................... 0
 Mass  Flowrate Full Scale..................... 0
 Run Switch Mode.............................. Manual
 Run Switch Time.............................. 0
 Run Switch Threshold Low  %DP................. 0
 Run Switch Threshold High %DP................. 0


---------- METER RUN SETUP
 Meter #1 Meter ID............................. 9741/MTA
         Analysis Selected.................... Product #1
         Analyzer Stream Number............... 3
         Flow Low Limit....................... 0
         Flow High Limit...................... 431.2258
         Gross Flow Full Scale................ 0
         Mass Flow Full Scale................. 0
         Low Flow Cutoff...................... .45
         Orifice Measured  Dia................ 366.156
         Orifice Reference Temp............... 21
         Orifice Expansion Coef............... 1.600000E-005
         Pipe Measured  Dia................... 730.1738
         Pipe Reference Temp.................. 20
         Pipe Expansion Coef.................. 1.100000E-005
         Use Downstream Pressure?............. NO
         Use Upstream Temperature?............ NO
         Orifice Plate Taps................... Flange Taps
         Transducer Density (Y/N)............. NO
 Meter #2 Meter ID............................. 8171/MTB
```

```
=======================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 31
=======================================================================

---------- METER RUN SETUP                                   (Cont'd)
        Analysis Selected...................... Product #1
        Analyzer Stream Number................. 1
        Flow Low Limit......................... 0
        Flow High Limit........................ 431.2258
        Gross Flow Full Scale.................. 0
        Mass Flow Full Scale................... 0
        Low Flow Cutoff........................ .45
        Orifice Measured  Dia.................. 366.499
        Orifice Reference Temp................. 21
        Orifice Expansion Coef................. 1.600000E-005
        Pipe Measured  Dia..................... 730.2849
        Pipe Reference Temp.................... 20
        Pipe Expansion Coef.................... 1.100000E-005
        Use Downstream Pressure?............... NO
        Use Upstream Temperature?............. NO
        Orifice Plate Taps.................... Flange Taps
        Transducer Density (Y/N).............. NO
  Meter #3 Meter ID..............................
        Analysis Selected...................... Product #1
        Analyzer Stream Number................. 0
        Flow Low Limit......................... 0
        Flow High Limit........................ 0
        Gross Flow Full Scale.................. 0
        Mass Flow Full Scale................... 0
        Low Flow Cutoff........................ 0
        Orifice Measured  Dia.................. 0
        Orifice Reference Temp................. 0
        Orifice Expansion Coef................. 0.000000E+000
        Pipe Measured  Dia..................... 0
        Pipe Reference Temp.................... 0
        Pipe Expansion Coef.................... 0.000000E+000
        Use Downstream Pressure?............... NO
        Use Upstream Temperature?............. YES
        Orifice Plate Taps.................... Flange Taps
        Transducer Density (Y/N).............. NO


---------- FACTOR SETUP & SYS CONSTANTS
  Atmospheric Pressure (absolute)................. 1.01325
  Base Pressure (absolute)........................ 1.01325
  Base Temperature................................ 15
  Density of Air.................................. 1.225410
  Flow Average Factor............................. 0
  Alarm Deadband %................................ 2.00
  Roll All Totalizers............................. 9 Digits
  Gross  Totalizer Decimal Places................. 0
  Net    Totalizer Decimal Places................. 0
  Mass   Totalizer Decimal Places................. 0
  Energy Totalizer Decimal Places................. 0
  Select Averaging Method......................... Flow Weighted
  Select Pressure Units........................... Bar
  Select DP Units................................. Milli Bar
```

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==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823       PAGE : 32
==========================================================================

---------- FLUID DATA & ANALYSIS
 Prod #1 Fluid Name.............................
         Fluid Type Select (F1=Help)............  Natural Gas
         Viscosity in pa.s......................  .0000118
         Isentropic Exponent....................  1.3256
         AGA-8 Method (F1=Help).................  94 Detailed
         Heating Value Method (F1=Help).........  ISO 6976
         Heating Value MJ/NM3...................  38.97
         Specific Gravity.......................  0.6344
         1994-01 % Methane (CH4)................  87.8198
         1994-02 % Nitrogen (N2)................  3.0957
         1994-03 % Carbon Dioxide (CO2).........  1.6276
         1994-04 % Ethane (C2H6)................  5.3777
         1994-05 % Propane (C3H8)...............  1.4294
         1994-06 % Water (H2O)..................  0.0000
         1994-07 % Hydrogen Sulfide (H2S).......  0.0000
         1994-08 % Hydrogen (H2)................  0.0000
         1994-09 % Carbon Monoxide (CO).........  0.0000
         1994-10 % Oxygen (O2)..................  0.0000
         1994-11 % i-Butane (iC4H10)............  0.1687
         1994-12 % n-Butane (nC4H10)............  0.2719
         1994-13 % i-Pentane (iC5H12)...........  0.0755
         1994-14 % n-Pentane (nC5H12)...........  0.0684
         1994-15 % n-Hexane (C6H14).............  0.0654
         1994-16 % n-Heptane (C7H16)............  0.0000
         1994-17 % n-Octane (C8H16).............  0.0000
         1994-18 % n-Nonane.....................  0.0000
         1994-19 % n-Decane.....................  0.0000
         1994-20 % Helium (He)..................  0.0000
         1994-21 % Argon (Ar)...................  0.0000
 Prod #2 Fluid Name.............................
         Fluid Type Select (F1=Help)............  None Selected
         Reference Density KG/M3................  0
         Viscosity in pa.s......................  0
         Isentropic Exponent....................  0
         Heating Value MJ/NM3...................  38.97
 Prod #3 Fluid Name.............................
         Fluid Type Select (F1=Help)............  None Selected
         Reference Density KG/M3................  0
         Viscosity in pa.s......................  0
         Isentropic Exponent....................  0
         Heating Value MJ/NM3...................  0
 Prod #4 Fluid Name.............................
         Fluid Type Select (F1=Help)............  None Selected
         Reference Density Lb/Ft3...............  0
         Viscosity in Centipoise................  0
         Isentropic Exponent....................  0
         Heating Value Btu/Scf..................  0
```

TABLE B.3 CONFIGURATION DATA REPORT 20/07/2007

```
========================================================================
   CONFIGURATION DATA REPORT : [ BLAM1607.OMI ]

   COMPANY NAME : TRANSCO part of Lattice Group plc
   LOCATION :     Sunny Blackrod
   COMPUTER ID :  62823

   CURRENT DATE : 3-31-2010  TIME : 12:02a
   CONFIGURATION FILE : LAST MODIFIED
========================================================================

   ---------- CHECK I/O MODULE CONFIG
    OMNI Flow Computer Model Number................ OMNI 6000
    Number of TYPE A Modules Installed............. 3
    Number of TYPE B Modules Installed............. 0
    Number of TYPE C Modules Installed............. 0
    Number of TYPE E Modules Installed............. 0
    Number of TYPE E/D Modules Installed.......... 0
    Number of TYPE H Modules Installed............. 0
    Number of DIGITAL Modules Installed........... 1
    Number of SERIAL  Modules Installed........... 2

   ---------- FLOW COMPUTER TIME & DATE
                    OMNI Time.................... 11:43:40
                    OMNI Date.................... 20/07/07
                    Select Date Type............. dd/mm/yy

   ---------- CONFIG STATION DATA
    Station Totals and Flows Defined As:........... 1+2
    Reference Gravity.I/O Pnt#..................... 0
                      Tag..........................
                      Type........................ 4-20 mA
    Nitrogen %    I/O Pnt#........................ 0
                  Tag.............................
    Carbon Dioxide I/O Pnt#........................ 0
                   Tag.............................
    Heating Value  I/O Pnt#........................ 0
                   Tag.............................
    Auxiliary Input #1 I/O Pnt#................... 0
                      Tag.........................
                      Type....................... DIN Rtd
    Auxiliary Input #2 I/O Pnt#................... 0
                      Tag.........................
                      Type....................... DIN Rtd
    Auxiliary Input #3 I/O Pnt#................... 0
                      Tag.........................
                      Type....................... DIN Rtd
    Auxiliary Input #4 I/O Pnt#................... 0
                      Tag.........................
                      Type....................... DIN Rtd

   ---------- CONFIG METER RUNS
    Meter #1 Select Turbine Y/N................... NO
            DP Low  Range I/O Pnt#............... 3
                          Tag................... DPLR-1
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 02
========================================================================

---------- CONFIG METER RUNS                              (Cont'd)
        DP High Range I/O Pnt#................ 4
                    Tag.................... DPHR-1
        Temp I/O Pnt#........................ 1
                Tag............................ FT-1
                Type........................... DIN Rtd
        Pres I/O Pnt#........................ 2
                Tag............................ FP-1
        Dens I/O Pnt#........................ 0
                Tag............................
                Type........................... 4-20 SG
        Dens Temp I/O Pnt#................... 0
                Tag............................
                Type........................... DIN Rtd
        Dens Pres I/O Pnt#................... 0
                Tag............................
Meter #2 Select Turbine Y/N.................... NO
        DP Low  Range I/O Pnt#............... 7
                    Tag.................... DPLR-2
        DP High Range I/O Pnt#............... 8
                    Tag.................... DPHR-2
        Temp I/O Pnt#........................ 5
                Tag............................ FT-2
                Type........................... DIN Rtd
        Pres I/O Pnt#........................ 6
                Tag............................ FP-2
        Dens I/O Pnt#........................ 0
                Tag............................
                Type........................... 4-20 SG
        Dens Temp I/O Pnt#................... 0
                Tag............................
                Type........................... DIN Rtd
        Dens Pres I/O Pnt#................... 0
                Tag............................
Meter #3 Select Turbine Y/N.................... NO
        DP Low  Range I/O Pnt#............... 11
                    Tag.................... DPST-1
        DP High Range I/O Pnt#............... 12
                    Tag.................... DPST-2
        Temp I/O Pnt#........................ 0
                Tag............................
                Type........................... DIN Rtd
        Pres I/O Pnt#........................ 0
                Tag............................
        Dens I/O Pnt#........................ 0
                Tag............................
                Type........................... 4-20 SG
        Dens Temp I/O Pnt#................... 0
                Tag............................
                Type........................... DIN Rtd
        Dens Pres I/O Pnt#................... 0
                Tag............................
Meter #4 Select Turbine Y/N.................... NO
        DP Low  Range I/O Pnt#............... 0
                    Tag....................
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823      PAGE : 03
========================================================================

---------- CONFIG METER RUNS                                (Cont'd)
          DP High Range I/O Pnt#................ 0
                      Tag....................
          Temp I/O Pnt#......................... 0
                Tag.............................
                Type........................... DIN Rtd
          Pres I/O Pnt#......................... 0
                Tag.............................
          Dens I/O Pnt#......................... 0
                Tag.............................
                Type........................... 4-20 SG
          Dens Temp I/O Pnt#.................... 0
                Tag.............................
                Type........................... DIN Rtd
          Dens Pres I/O Pnt#.................... 0
                Tag.............................


---------- CONFIG PID LOOPS
Loop #1 Primary Variable Assign................. 0
                    Remark.................
                    Action (F/R)........... Forward
        Remote Set Pt I/O Pnt#.................. 0
        Secondary Variable Assign............... 0
                      Remark...............
                      Action (F/R)......... Forward
        Error Select (Low/High)................. Low
        Startup Mode (Last/Manual).............. Last State
        Control Output Tag.....................
Loop #2 Primary Variable Assign................. 0
                    Remark.................
                    Action (F/R)........... Forward
        Remote Set Pt I/O Pnt#.................. 0
        Secondary Variable Assign............... 0
                      Remark...............
                      Action (F/R)......... Forward
        Error Select (Low/High)................. Low
        Startup Mode (Last/Manual).............. Last State
        Control Output Tag.....................
Loop #3 Primary Variable Assign................. 0
                    Remark.................
                    Action (F/R)........... Forward
        Remote Set Pt I/O Pnt#.................. 0
        Secondary Variable Assign............... 0
                      Remark...............
                      Action (F/R)......... Forward
        Error Select (Low/High)................. Low
        Startup Mode (Last/Manual).............. Last State
        Control Output Tag.....................
Loop #4 Primary Variable Assign................. 0
                    Remark.................
                    Action (F/R)........... Forward
        Remote Set Pt I/O Pnt#.................. 0
        Secondary Variable Assign............... 0
                      Remark...............
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 04
========================================================================

---------- CONFIG PID LOOPS                                 (Cont'd)
                        Action (F/R)......... Forward
         Error Select (Low/High)................ Low
         Startup Mode (Last/Manual)............. Last State
         Control Output Tag.....................

---------- CONFIG D/A OUT
         D/A Output #01 Assign.................... 7802
                        Remarks.................. Station scm/hr
                        @  4 ma.................. 0
                        @ 20 ma.................. 1109405
         D/A Output #02 Assign.................... 7044
                        Remarks.................. Odorant scm/hr
                        @  4 ma.................. 0
                        @ 20 ma.................. 1109405
         D/A Output #03 Assign.................... 0
                        Remarks..................
                        @  4 ma.................. 0
                        @ 20 ma.................. 0
         D/A Output #04 Assign.................... 0
                        Remarks..................
                        @  4 ma.................. 0
                        @ 20 ma.................. 0
         D/A Output #05 Assign.................... 0
                        Remarks..................
                        @  4 ma.................. 0
                        @ 20 ma.................. 0
         D/A Output #06 Assign.................... 0
                        Remarks..................
                        @  4 ma.................. 0
                        @ 20 ma................ 0

---------- CONFIG FRONT PANEL COUNTERS
     Front Panel Counter A Assign................ 1802
                        Remark............... Stream 1 st vol
                        Pulses/Unit........... .001
     Front Panel Counter B Assign................ 1804
                        Remark............... Stream 1 ene flo
                        Pulses/Unit........... .01
     Front Panel Counter C Assign................ 0
                        Remark...............
                        Pulses/Unit........... 0

---------- CONFIGURE BOOLEAN STATEMENTS
                        Boolean #1025 =........ 1811
                            Remarks........ Hi flow alrm
                        Boolean #1026 =........ /1829+1837
                            Remarks........ Power/EPROM fail
                        Boolean #1027 =........ 7054+7055
                            Remarks........ RD alarm
                        Boolean #1028 =........ 1125+1126
                            Remarks........ 1. L/H T alrm
```

```
==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823       PAGE : 05
==========================================================================

---------- CONFIGURE BOOLEAN STATEMENTS                      (Cont'd)
                Boolean #1029 =........ 1129+1130
                        Remarks........ 1. L/H P alrm
                Boolean #1030 =........ 1141+1142
                        Remarks........ 1. L/H DP alarm
                Boolean #1031 =........ 1341+1342
                        Remarks........ 1. L/H STBY alrm
                Boolean #1032 =........ 7035&1152
                        Remarks........ 1. LDP OutOfTol
                Boolean #1033 =........ 7036&1153
                        Remarks........ 1. HDP OutOfTol
                Boolean #1034 =........ 7048+7049
                        Remarks........ 1. Density alrm
                Boolean #1035 =........
                        Remarks........
                Boolean #1036 =........ 1225+1226
                        Remarks........ 2. L/H T alrm
                Boolean #1037 =........ 1229+1230
                        Remarks........ 2. L/H P alrm
                Boolean #1038 =........ 1241+1242
                        Remarks........ 2. L/H DP alrm
                Boolean #1039 =........ 1341+1342
                        Remarks........ 2. L/H STDP alrm
                Boolean #1040 =........ 7041&1252
                        Remarks........ 2. LDP OutOfTol
                Boolean #1041 =........ 7042&1253
                        Remarks........ 2. HDP OutOfTol
                Boolean #1042 =........ 7051+7052
                        Remarks........ 2. Density
                Boolean #1043 =........
                        Remarks........
                Boolean #1044 =........ 1025+1026+1027
                        Remarks........ General
                Boolean #1045 =........ 1028+1029+1030
                        Remarks........ 1.
                Boolean #1046 =........ 1031+1032+1033
                        Remarks........ 1.
                Boolean #1047 =........ 1034
                        Remarks........ 1.
                Boolean #1048 =........ 1036+1037+1038
                        Remarks........ 2.
                Boolean #1049 =........ 1039+1040+1041
                        Remarks........ 2.
                Boolean #1050 =........ 1042
                        Remarks........ 2.
                Boolean #1051 =........ 1045+1046+1047
                        Remarks........ 1. Combined
                Boolean #1052 =........ 1048+1049+1050
                        Remarks........ 2. Combined
                Boolean #1053 =........ 1051&1105
                        Remarks........ 1. in use?
                Boolean #1054 =........ 1052&1205
                        Remarks........ 2. in use?
                Boolean #1055 =........ 1044+1053+1054
                        Remarks........ Meter Suspect
```

```
========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823       PAGE : 06
========================================================================

---------- CONFIGURE BOOLEAN STATEMENTS                    (Cont'd)
                Boolean #1056 =........
                        Remarks........
                Boolean #1057 =........  1088=1070
                        Remarks........  Maintenance
                Boolean #1058 =........  1087=1055
                        Remarks........  Meter Suspect
                Boolean #1059 =........  1086=1027
                        Remarks........  RD error
                Boolean #1060 =........  1085=1034
                        Remarks........  1. Density error
                Boolean #1061 =........  1084=1032
                        Remarks........  1. Low DP error
                Boolean #1062 =........  1083=1033
                        Remarks........  1. High DP error
                Boolean #1063 =........  1082=1042
                        Remarks........  2. Density error
                Boolean #1064 =........  1081=1040
                        Remarks........  2. Low DP error
                Boolean #1065 =........  1080=1041
                        Remarks........  2. High DP error
                Boolean #1066 =........
                        Remarks........
                Boolean #1067 =........
                        Remarks........
                Boolean #1068 =........
                        Remarks........
                Boolean #1069 =........  /1105&/1205
                        Remarks........  No flow if = 1
                Boolean #1070 =........  7025
                        Remarks........  Maintenance mode
                Boolean #1071 =........  1027
                        Remarks........  Spare
                Boolean #1072 =........  /1055
                        Remarks........  Invert met susp
                Boolean #1073 =........  1736=/1105
                        Remarks........  1.Disable flow
                Boolean #1074 =........  1737=/1205
                        Remarks........  2. Disable flow
                Boolean #1075 =........
                        Remarks........  Den #3 alarm
                Boolean #1076 =........
                        Remarks........  Den #4 alarm
                Boolean #1077 =........
                        Remarks........
                Boolean #1078 =........
                        Remarks........
                Boolean #1079 =........
                        Remarks........
                Boolean #1080 =........  M2 HDP OutOfTol
                        Remarks........
                Boolean #1081 =........  M2 LDP OutOfTol
                        Remarks........
                Boolean #1082 =........  M2 Den OutOfTol
                        Remarks........
```

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============================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 07
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---------- CONFIGURE BOOLEAN STATEMENTS                        (Cont'd)
                    Boolean #1083 =........  M1 HDP OutOfTol
                            Remarks........
                    Boolean #1084 =........  M1 LDP OutOfTol
                            Remarks........
                    Boolean #1085 =........  M1 Den OutOfTol
                            Remarks........
                    Boolean #1086 =........  RD OutOfTol
                            Remarks........
                    Boolean #1087 =........  Meter Suspect
                            Remarks........
                    Boolean #1088 =........  Maintenance
                            Remarks........

---------- CONFIGURE VARIABLE STATEMENTS
                    Statement #7025 =........  Main:-1=Off,1=On
                            Remarks........
                    Statement #7026 =........  LGT Fix Output %
                            Remarks........
                    Statement #7027 =........  LGT lo flo inj %
                            Remarks........
                    Statement #7028 =........  #5.0
                            Remarks........  Enter DP tol
                    Statement #7029 =........  #5.0-7028
                            Remarks........  DP tol >5.0?
                    Statement #7030 =........  7029)7028=#5.0
                            Remarks........  Set min DPtol
                    Statement #7031 =........  8596+8795
                            Remarks........  1.Sum hi cells
                    Statement #7032 =........  7031/#2
                            Remarks........  1.Average hi
                    Statement #7033 =........  7032-8595
                            Remarks........  1.Diff av H + L
                    Statement #7034 =........  8596-8795
                            Remarks........  1.Diff H + STBY
                    Statement #7035 =........  $7033-7028
                            Remarks........  1.LDP OutOfTol
                    Statement #7036 =........  $7034-7028
                            Remarks........  1.HDP OutOfTol
                    Statement #7037 =........  8696+8796
                            Remarks........  2.Sum hi cells
                    Statement #7038 =........  7037/#2
                            Remarks........  2.Average hi
                    Statement #7039 =........  7038-8695
                            Remarks........  2.Diff av H + L
                    Statement #7040 =........  8696-8796
                            Remarks........  2.Diff H + STBY
                    Statement #7041 =........  $7039-7028
                            Remarks........  2.LDP OutOfTol
                    Statement #7042 =........  $7040-7028
                            Remarks........  2.HDP OutOfTol
                    Statement #7043 =........
                            Remarks........
                    Statement #7044 =........  7802
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 08
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---------- CONFIGURE VARIABLE STATEMENTS                    (Cont'd)
                        Remarks........  Set odour flow
                Statement #7045 =.......  1069)7044=7085
                        Remarks........  LGT-low flow
                Statement #7046 =.......  1055)7044=7086
                        Remarks........  LGT-Met Susp
                Statement #7047 =.......  7025)7044=7087
                        Remarks........  LGT-fix flow
                Statement #7048 =.......  7107-#80
                        Remarks........  1. Hi den?
                Statement #7049 =.......  #24-7107
                        Remarks........  1. Low den?
                Statement #7050 =.......
                        Remarks........
                Statement #7051 =.......  7207-#80
                        Remarks........  2. Hi den?
                Statement #7052 =.......  #24-7207
                        Remarks........  2. Low den?
                Statement #7053 =.......
                        Remarks........
                Statement #7054 =.......  7141-#0.7
                        Remarks........  RD hi?
                Statement #7055 =.......  #0.5-7141
                        Remarks........  RD low?
                Statement #7056 =.......
                        Remarks........
                Statement #7057 =.......
                        Remarks........
                Statement #7058 =.......  7854=7138*17002
                        Remarks........  St mass fl limit
                Statement #7059 =.......  7854=7854/#1000
                        Remarks........  Convert to ton/h
                Statement #7060 =.......  7162=7854/#2
                        Remarks........  1. Mass flow lim
                Statement #7061 =.......  7262=7854/#2
                        Remarks........  2. Mass flow lim
                Statement #7062 =.......  7151=#.0009*7158
                        Remarks........  1.Set DP cutoff
                Statement #7063 =.......  7251=#.0009*7258
                        Remarks........  2.Set DP cutoff
                Statement #7064 =.......
                        Remarks........
                Statement #7065 =.......
                        Remarks........
                Statement #7066 =.......
                        Remarks........
                Statement #7067 =.......  7802*#0.000024
                        Remarks........  St vol MSCM/D
                Statement #7068 =.......  7804*#0.024
                        Remarks........  St. energy MMJ/D
                Statement #7069 =.......  7802/17002*#100
                        Remarks........  %Max flow
                Statement #7070 =.......  17002*#0.000024
                        Remarks........  Max vol MSCM/D
                Statement #7071 =.......  7070*#44
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 09
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---------- CONFIGURE VARIABLE STATEMENTS                      (Cont'd)
                            Remarks........  Max energy MMJ/D
                  Statement #7072 =........  7068/7071*#100
                            Remarks........  %Energy for tele
                  Statement #7073 =........  7044/17004*#100
                            Remarks........  %Odour
                  Statement #7074 =........
                            Remarks........
                  Statement #7075 =........
                            Remarks........
                  Statement #7076 =........  17049=17025
                            Remarks........  Set counter A
                  Statement #7077 =........  17050=#10*17049
                            Remarks........  Set counter B
                  Statement #7078 =........  7152=7158/#-200
                            Remarks........  1. DP low limit
                  Statement #7079 =........  7153=7158+$7152
                            Remarks........  1. DP hi limit
                  Statement #7080 =........  7252=7258/#-200
                            Remarks........  2. DP low limit
                  Statement #7081 =........  7253=7258+$7252
                            Remarks........  2. DP hi limit
                  Statement #7082 =........  7352=7358/#-200
                            Remarks........  3. DP low limit
                  Statement #7083 =........  7353=7358+$7352
                            Remarks........  3. DP hi limit
                  Statement #7084 =........
                            Remarks........
                  Statement #7085 =........  7027/#100*17004
                            Remarks........  LGT low flow inj
                  Statement #7086 =........  /1055)7086=7044
                            Remarks........  Store LGT output
                  Statement #7087 =........  7026/#100*17004
                            Remarks........  LGT fix flow
                  Statement #7088 =........
                            Remarks........

    ---------- CONFIG USER DISPLAYS
      User Display Number 1  Key Press.............  F
            1st Variable  Tag..................  MSCM/D
                          Point #..............  7067
                          Dec. Places..........  6
            2nd Variable  Tag..................  MMJ/D
                          Point #..............  7068
                          Dec. Places..........  6
            3rd Variable  Tag..................  %Max flw
                          Point #..............  7069
                          Dec. Places..........  2
            4th Variable  Tag..................  %Odour
                          Point #..............  7073
                          Dec. Places..........  2
      User Display Number 2  Key Press.............  IO
            1st Variable  Tag..................  RD
                          Point #..............  7141
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 10
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---------- CONFIG USER DISPLAYS                              (Cont'd)
                        Dec. Places........... 7
            2nd Variable Tag................... Ref den
                        Point #.............. 7138
                        Dec. Places........... 7
            3rd Variable Tag................... Density
                        Point #.............. 7107
                        Dec. Places........... 7
            4th Variable Tag................... CV
                        Point #.............. 7142
                        Dec. Places........... 7
  User Display Number 3 Key Press............. IP
            1st Variable Tag................... RD
                        Point #.............. 7241
                        Dec. Places........... 7
            2nd Variable Tag................... Ref den
                        Point #.............. 7238
                        Dec. Places........... 7
            3rd Variable Tag................... Density
                        Point #.............. 7207
                        Dec. Places........... 7
            4th Variable Tag................... CV
                        Point #.............. 7242
                        Dec. Places........... 7
  User Display Number 4 Key Press............. VER
            1st Variable Tag................... O2_71_V2
                        Point #.............. 0
                        Dec. Places........... 0
            2nd Variable Tag................... LGTcutof
                        Point #.............. 7027
                        Dec. Places........... 2
            3rd Variable Tag................... 25/08/98
                        Point #.............. 0
                        Dec. Places........... 0
            4th Variable Tag...................
                        Point #.............. 0
                        Dec. Places........... 0
  User Display Number 5 Key Press............. FO
            1st Variable Tag................... acmh
                        Point #.............. 7101
                        Dec. Places........... 3
            2nd Variable Tag................... scmh
                        Point #.............. 7102
                        Dec. Places........... 3
            3rd Variable Tag................... tons/hr
                        Point #.............. 7103
                        Dec. Places........... 7
            4th Variable Tag................... GJ/hr
                        Point #.............. 7104
                        Dec. Places........... 3
  User Display Number 6 Key Press............. FP
            1st Variable Tag................... acmh
                        Point #.............. 7201
                        Dec. Places........... 3
            2nd Variable Tag................... scmh
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 11
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---------- CONFIG USER DISPLAYS                             (Cont'd)
                        Point #............... 7202
                        Dec. Places........... 3
        3rd Variable  Tag................... tons/hr
                        Point #............... 7203
                        Dec. Places........... 7
        4th Variable  Tag................... GJ/hr
                        Point #............... 7204
                        Dec. Places........... 3
  User Display Number 7 Key Press............. DPO
        1st Variable  Tag................... Low DP
                        Point #............... 8595
                        Dec. Places........... 4
        2nd Variable  Tag................... High DP
                        Point #............... 8596
                        Dec. Places........... 4
        3rd Variable  Tag................... Standby
                        Point #............... 8795
                        Dec. Places........... 4
        4th Variable  Tag................... Average
                        Point #............... 7032
                        Dec. Places........... 4
  User Display Number 8 Key Press............. DPP
        1st Variable  Tag................... Low DP
                        Point #............... 8695
                        Dec. Places........... 4
        2nd Variable  Tag................... High DP
                        Point #............... 8696
                        Dec. Places........... 4
        3rd Variable  Tag................... Standby
                        Point #............... 8796
                        Dec. Places........... 4
        4th Variable  Tag................... Average
                        Point #............... 7038
                        Dec. Places........... 4

  ---------- CONFIG DIGITAL I/O
     Digital Point #1 Assign.................. 1802
                        Remarks................ Integ St Vol.
                        Pulse Width............ 20
                        Pulses/Unit............ .001
     Digital Point #2 Assign.................. 1072
                        Remarks................ Meter Suspect
                        Delay On............... 10
                        Delay Off.............. 10
     Digital Point #3 Assign.................. 0
                        Remarks................
                        Delay On............... 0
                        Delay Off.............. 0
     Digital Point #4 Assign.................. 0
                        Remarks................
                        Delay On............... 0
                        Delay Off.............. 0
     Digital Point #5 Assign.................. 0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 12
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---------- CONFIG DIGITAL I/O                             (Cont'd)
                  Remarks.................
                  Delay On...............  0
                  Delay Off..............  0
        Digital Point #6 Assign.................  0
                  Remarks.................
                  Delay On...............  0
                  Delay Off..............  0
        Digital Point #7 Assign.................  0
                  Remarks.................
                  Delay On...............  0
                  Delay Off..............  0
        Digital Point #8 Assign.................  0
                  Remarks.................
                  Delay On...............  0
                  Delay Off..............  0
        Digital Point #9 Assign.................  0
                  Remarks.................
                  Delay On...............  0
                  Delay Off..............  0
        Digital Point #10 Assign.................  0
                   Remarks...............
                   Delay On..............  0
                   Delay Off.............  0
        Digital Point #11 Assign.................  0
                   Remarks...............
                   Delay On..............  0
                   Delay Off.............  0
        Digital Point #12 Assign.................  0
                   Remarks...............
                   Delay On..............  0
                   Delay Off............  0


---------- CONFIG SERIAL I/O
        Serial I/O #1 Baud Rate..................  9600
                  Stop Bits..................  1 Bit
                  Data Bits..................  8
                  Parity.....................  None
                  Xmit Key Delay.............  0ms
                  Port Type..................  Printer
        Serial I/O #2 Baud Rate..................  9600
                  Stop Bits..................  1 Bit
                  Data Bits..................  8
                  Parity.....................  None
                  Xmit Key Delay.............  0ms
                  Protocol Type..............  Modbus RTU(Modem)
                  Modbus ID..................  1
                  Modicon Compatible.........  NO
                  CRC Enabled................  YES
        Serial I/O #3 Baud Rate..................  9600
                  Stop Bits..................  1 Bit
                  Data Bits..................  8
                  Parity.....................  None
                  Xmit Key Delay.............  0ms
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 13
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---------- CONFIG SERIAL I/O                                   (Cont'd)
                  Protocol Type.............. Modbus ASCII
                  Modbus ID................. 1
                  Modicon Compatible........ YES
                  CRC Enabled............... YES
      Serial I/O #4 Baud Rate................. 9600
                  Stop Bits................. 1 Bit
                  Data Bits................. 8
                  Parity.................... None
                  Xmit Key Delay............ 0ms
                  Protocol Type............. Modbus RTU
                  Modbus ID................. 0
                  Modicon Compatible........ YES
                  CRC Enabled............... YES


---------- MODBUS PEER/PEER COMMUNICATIONS
                  Activate Redundancy Mode.......... NO
                  Next Master in Sequence........... 0
                  Last Master in Sequence........... 0
                  Retry Timer (50 mS Ticks)......... 0
      Transaction #1 Target Slave ID........... 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
      Transaction #2 Target Slave ID........... 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
      Transaction #3 Target Slave ID........... 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
      Transaction #4 Target Slave ID........... 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
      Transaction #5 Target Slave ID........... 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
      Transaction #6 Target Slave ID........... 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
      Transaction #7 Target Slave ID........... 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 14
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---------- MODBUS PEER/PEER COMMUNICATIONS                      (Cont'd)
                    Dest. Point #............. 0
       Transaction #8 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
       Transaction #9 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
      Transaction #10 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
      Transaction #11 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
      Transaction #12 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
      Transaction #13 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
      Transaction #14 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
      Transaction #15 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
      Transaction #16 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0

---------- CUSTOM MODBUS PACKET(ADDR:001)
            Packet #01 Pnt.#.................. 0
                       # of Points............ 0
            Packet #02 Pnt.#.................. 0
                       # of Points............ 0
            Packet #03 Pnt.#.................. 0
```

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CONFIGURATION DATA REPORT        COMPUTER ID : 62823          PAGE : 15
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---------- CUSTOM MODBUS PACKET(ADDR:001)                    (Cont'd)
                        # of Points............  0
                Packet #04 Pnt.#..................  0
                        # of Points............  0
                Packet #05 Pnt.#..................  0
                        # of Points............  0
                Packet #06 Pnt.#..................  0
                        # of Points............  0
                Packet #07 Pnt.#..................  0
                        # of Points............  0
                Packet #08 Pnt.#..................  0
                        # of Points............  0
                Packet #09 Pnt.#..................  0
                        # of Points............  0
                Packet #10 Pnt.#..................  0
                        # of Points............  0
                Packet #11 Pnt.#..................  0
                        # of Points............  0
                Packet #12 Pnt.#..................  0
                        # of Points............  0
                Packet #13 Pnt.#..................  0
                        # of Points............  0
                Packet #14 Pnt.#..................  0
                        # of Points............  0
                Packet #15 Pnt.#..................  0
                        # of Points............  0
                Packet #16 Pnt.#..................  0
                        # of Points............  0
                Packet #17 Pnt.#..................  0
                        # of Points............  0
                Packet #18 Pnt.#..................  0
                        # of Points............  0
                Packet #19 Pnt.#..................  0
                        # of Points............  0
                Packet #20 Pnt.#..................  0
                        # of Points............  0


---------- CUSTOM MODBUS PACKET(ADDR:201)
                Packet #01 Pnt.#..................  0
                        # of Points............  0
                Packet #02 Pnt.#..................  0
                        # of Points............  0
                Packet #03 Pnt.#..................  0
                        # of Points............  0
                Packet #04 Pnt.#..................  0
                        # of Points............  0
                Packet #05 Pnt.#..................  0
                        # of Points............  0
                Packet #06 Pnt.#..................  0
                        # of Points............  0
                Packet #07 Pnt.#..................  0
                        # of Points............  0
                Packet #08 Pnt.#..................  0
                        # of Points............  0
```

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CONFIGURATION DATA REPORT       COMPUTER ID : 62823        PAGE : 16
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---------- CUSTOM MODBUS PACKET(ADDR:401)
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Packet #17 Pnt.#.................  0
                       # of Points...........  0
            Packet #18 Pnt.#.................  0
                       # of Points...........  0
            Packet #19 Pnt.#.................  0
                       # of Points...........  0
            Packet #20 Pnt.#.................  0
                       # of Points...........  0


---------- ARCHIVE 701 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 17
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---------- ARCHIVE 701 - RECORD DEFINITION                    (Cont'd)
            Packet #06 Pnt.#.................. 0
                       # of Points........... 0
            Packet #07 Pnt.#.................. 0
                       # of Points........... 0
            Packet #08 Pnt.#.................. 0
                       # of Points........... 0
            Packet #09 Pnt.#.................. 0
                       # of Points........... 0
            Packet #10 Pnt.#.................. 0
                       # of Points........... 0
            Packet #11 Pnt.#.................. 0
                       # of Points........... 0
            Packet #12 Pnt.#.................. 0
                       # of Points........... 0
            Packet #13 Pnt.#.................. 0
                       # of Points........... 0
            Packet #14 Pnt.#.................. 0
                       # of Points........... 0
            Packet #15 Pnt.#.................. 0
                       # of Points........... 0
            Packet #16 Pnt.#.................. 0
                       # of Points........... 0
            Max Records..................... 0
            Archive Boolean Trigger.......... 0

---------- ARCHIVE 702 - RECORD DEFINITION
            Packet #01 Pnt.#.................. 0
                       # of Points........... 0
            Packet #02 Pnt.#.................. 0
                       # of Points........... 0
            Packet #03 Pnt.#.................. 0
                       # of Points........... 0
            Packet #04 Pnt.#.................. 0
                       # of Points........... 0
            Packet #05 Pnt.#.................. 0
                       # of Points........... 0
            Packet #06 Pnt.#.................. 0
                       # of Points........... 0
            Packet #07 Pnt.#.................. 0
                       # of Points........... 0
            Packet #08 Pnt.#.................. 0
                       # of Points........... 0
            Packet #09 Pnt.#.................. 0
                       # of Points........... 0
            Packet #10 Pnt.#.................. 0
                       # of Points........... 0
            Packet #11 Pnt.#.................. 0
                       # of Points........... 0
            Packet #12 Pnt.#.................. 0
                       # of Points........... 0
            Packet #13 Pnt.#.................. 0
                       # of Points........... 0
            Packet #14 Pnt.#.................. 0
```

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==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 18
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---------- ARCHIVE 702 - RECORD DEFINITION                    (Cont'd)
                        # of Points............  0
                Packet #15 Pnt.#.................  0
                        # of Points............  0
                Packet #16 Pnt.#.................  0
                        # of Points............  0
                Max Records.....................  0
                Archive Boolean Trigger...........  0

---------- ARCHIVE 703 - RECORD DEFINITION
                Packet #01 Pnt.#.................  0
                        # of Points............  0
                Packet #02 Pnt.#.................  0
                        # of Points............  0
                Packet #03 Pnt.#.................  0
                        # of Points............  0
                Packet #04 Pnt.#.................  0
                        # of Points............  0
                Packet #05 Pnt.#.................  0
                        # of Points............  0
                Packet #06 Pnt.#.................  0
                        # of Points............  0
                Packet #07 Pnt.#.................  0
                        # of Points............  0
                Packet #08 Pnt.#.................  0
                        # of Points............  0
                Packet #09 Pnt.#.................  0
                        # of Points............  0
                Packet #10 Pnt.#.................  0
                        # of Points............  0
                Packet #11 Pnt.#.................  0
                        # of Points............  0
                Packet #12 Pnt.#.................  0
                        # of Points............  0
                Packet #13 Pnt.#.................  0
                        # of Points............  0
                Packet #14 Pnt.#.................  0
                        # of Points............  0
                Packet #15 Pnt.#.................  0
                        # of Points............  0
                Packet #16 Pnt.#.................  0
                        # of Points............  0
                Max Records.....................  0
                Archive Boolean Trigger...........  0

---------- ARCHIVE 704 - RECORD DEFINITION
                Packet #01 Pnt.#.................  0
                        # of Points............  0
                Packet #02 Pnt.#.................  0
                        # of Points............  0
                Packet #03 Pnt.#.................  0
                        # of Points............  0
                Packet #04 Pnt.#.................  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 19
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---------- ARCHIVE 704 - RECORD DEFINITION                    (Cont'd)
                    # of Points............  0
            Packet #05 Pnt.#.................  0
                    # of Points...........  0
            Packet #06 Pnt.#.................  0
                    # of Points...........  0
            Packet #07 Pnt.#.................  0
                    # of Points...........  0
            Packet #08 Pnt.#.................  0
                    # of Points...........  0
            Packet #09 Pnt.#.................  0
                    # of Points...........  0
            Packet #10 Pnt.#.................  0
                    # of Points...........  0
            Packet #11 Pnt.#.................  0
                    # of Points...........  0
            Packet #12 Pnt.#.................  0
                    # of Points...........  0
            Packet #13 Pnt.#.................  0
                    # of Points...........  0
            Packet #14 Pnt.#.................  0
                    # of Points...........  0
            Packet #15 Pnt.#.................  0
                    # of Points...........  0
            Packet #16 Pnt.#.................  0
                    # of Points...........  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 705 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                    # of Points...........  0
            Packet #02 Pnt.#.................  0
                    # of Points...........  0
            Packet #03 Pnt.#.................  0
                    # of Points...........  0
            Packet #04 Pnt.#.................  0
                    # of Points...........  0
            Packet #05 Pnt.#.................  0
                    # of Points...........  0
            Packet #06 Pnt.#.................  0
                    # of Points...........  0
            Packet #07 Pnt.#.................  0
                    # of Points...........  0
            Packet #08 Pnt.#.................  0
                    # of Points...........  0
            Packet #09 Pnt.#.................  0
                    # of Points...........  0
            Packet #10 Pnt.#.................  0
                    # of Points...........  0
            Packet #11 Pnt.#.................  0
                    # of Points...........  0
            Packet #12 Pnt.#.................  0
                    # of Points...........  0
```

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==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 20
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---------- ARCHIVE 705 - RECORD DEFINITION                  (Cont'd)
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records......................  0
            Archive Boolean Trigger...........  0

---------- ARCHIVE 706 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records......................  0
            Archive Boolean Trigger...........  0

---------- ARCHIVE 707 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
```

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---------- ARCHIVE 707 - RECORD DEFINITION                    (Cont'd)
              Packet #03 Pnt.#.................  0
                         # of Points...........  0
              Packet #04 Pnt.#.................  0
                         # of Points...........  0
              Packet #05 Pnt.#.................  0
                         # of Points...........  0
              Packet #06 Pnt.#.................  0
                         # of Points...........  0
              Packet #07 Pnt.#.................  0
                         # of Points...........  0
              Packet #08 Pnt.#.................  0
                         # of Points...........  0
              Packet #09 Pnt.#.................  0
                         # of Points...........  0
              Packet #10 Pnt.#.................  0
                         # of Points...........  0
              Packet #11 Pnt.#.................  0
                         # of Points...........  0
              Packet #12 Pnt.#.................  0
                         # of Points...........  0
              Packet #13 Pnt.#.................  0
                         # of Points...........  0
              Packet #14 Pnt.#.................  0
                         # of Points...........  0
              Packet #15 Pnt.#.................  0
                         # of Points...........  0
              Packet #16 Pnt.#.................  0
                         # of Points...........  0
              Max Records.....................  0
              Archive Boolean Trigger..........  0

---------- ARCHIVE 708 - RECORD DEFINITION
              Packet #01 Pnt.#.................  0
                         # of Points...........  0
              Packet #02 Pnt.#.................  0
                         # of Points...........  0
              Packet #03 Pnt.#.................  0
                         # of Points...........  0
              Packet #04 Pnt.#.................  0
                         # of Points...........  0
              Packet #05 Pnt.#.................  0
                         # of Points...........  0
              Packet #06 Pnt.#.................  0
                         # of Points...........  0
              Packet #07 Pnt.#.................  0
                         # of Points...........  0
              Packet #08 Pnt.#.................  0
                         # of Points...........  0
              Packet #09 Pnt.#.................  0
                         # of Points...........  0
              Packet #10 Pnt.#.................  0
                         # of Points...........  0
              Packet #11 Pnt.#.................  0
```

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---------- ARCHIVE 708 - RECORD DEFINITION                    (Cont'd)
                        # of Points............  0
                Packet #12 Pnt.#.................  0
                        # of Points............  0
                Packet #13 Pnt.#.................  0
                        # of Points............  0
                Packet #14 Pnt.#.................  0
                        # of Points............  0
                Packet #15 Pnt.#.................  0
                        # of Points............  0
                Packet #16 Pnt.#.................  0
                        # of Points............  0
                Max Records.....................  0
                Archive Boolean Trigger..........  0


---------- ARCHIVE 709 - RECORD DEFINITION
                Packet #01 Pnt.#.................  0
                        # of Points............  0
                Packet #02 Pnt.#.................  0
                        # of Points............  0
                Packet #03 Pnt.#.................  0
                        # of Points............  0
                Packet #04 Pnt.#.................  0
                        # of Points............  0
                Packet #05 Pnt.#.................  0
                        # of Points............  0
                Packet #06 Pnt.#.................  0
                        # of Points............  0
                Packet #07 Pnt.#.................  0
                        # of Points............  0
                Packet #08 Pnt.#.................  0
                        # of Points............  0
                Packet #09 Pnt.#.................  0
                        # of Points............  0
                Packet #10 Pnt.#.................  0
                        # of Points............  0
                Packet #11 Pnt.#.................  0
                        # of Points............  0
                Packet #12 Pnt.#.................  0
                        # of Points............  0
                Packet #13 Pnt.#.................  0
                        # of Points............  0
                Packet #14 Pnt.#.................  0
                        # of Points............  0
                Packet #15 Pnt.#.................  0
                        # of Points............  0
                Packet #16 Pnt.#.................  0
                        # of Points............  0
                Max Records.....................  0
                Archive Boolean Trigger..........  0
```

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---------- ARCHIVE 710 - RECORD DEFINITION
             Packet #01 Pnt.#.................. 0
                        # of Points........... 0
             Packet #02 Pnt.#.................. 0
                        # of Points........... 0
             Packet #03 Pnt.#.................. 0
                        # of Points........... 0
             Packet #04 Pnt.#.................. 0
                        # of Points........... 0
             Packet #05 Pnt.#.................. 0
                        # of Points........... 0
             Packet #06 Pnt.#.................. 0
                        # of Points........... 0
             Packet #07 Pnt.#.................. 0
                        # of Points........... 0
             Packet #08 Pnt.#.................. 0
                        # of Points........... 0
             Packet #09 Pnt.#.................. 0
                        # of Points........... 0
             Packet #10 Pnt.#.................. 0
                        # of Points........... 0
             Packet #11 Pnt.#.................. 0
                        # of Points........... 0
             Packet #12 Pnt.#.................. 0
                        # of Points........... 0
             Packet #13 Pnt.#.................. 0
                        # of Points........... 0
             Packet #14 Pnt.#.................. 0
                        # of Points........... 0
             Packet #15 Pnt.#.................. 0
                        # of Points........... 0
             Packet #16 Pnt.#.................. 0
                        # of Points........... 0
             Max Records...................... 0
             Archive Boolean Trigger.......... 0


---------- CONFIG AB PLC BLOCK#1 READ
     Start Address of Data Block #1.............. 9
        Item  #1 Source Point #.................. 8
                 # of Points.................... 10
        Item  #2 Source Point #.................. 11
                 # of Points.................... 2
        Item  #3 Source Point #.................. 0
                 # of Points.................... 0
        Item  #4 Source Point #.................. 0
                 # of Points.................... 0
        Item  #5 Source Point #.................. 0
                 # of Points.................... 3
        Item  #6 Source Point #.................. 4
                 # of Points.................... 6
        Item  #7 Source Point #.................. 7
                 # of Points.................... 1
        Item  #8 Source Point #.................. 0
```

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CONFIGURATION DATA REPORT        COMPUTER ID : 62823         PAGE : 24
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---------- CONFIG AB PLC BLOCK#1 READ                          (Cont'd)
                  # of Points................... 0
        Item  #9 Source Point #.................. 0
                  # of Points................... 0
        Item #10 Source Point #.................. 0
                  # of Points................... 0
        Item #11 Source Point #.................. 17
                  # of Points................... 18
        Item #12 Source Point #.................. 0
                  # of Points................... 0
        Item #13 Source Point #.................. 0
                  # of Points................... 0
        Item #14 Source Point #.................. 0
                  # of Points................... 0
        Item #15 Source Point #.................. 0
                  # of Points................... 0
        Item #16 Source Point #.................. 0
                  # of Points................... 0


---------- CONFIG AB PLC BLOCK#2 READ
        Start Address of Data Block #2.............. 0
        Item  #1 Source Point #.................. 0
                  # of Points................... 0
        Item  #2 Source Point #.................. 0
                  # of Points................... 0
        Item  #3 Source Point #.................. 0
                  # of Points................... 0
        Item  #4 Source Point #.................. 0
                  # of Points................... 0
        Item  #5 Source Point #.................. 0
                  # of Points................... 0
        Item  #6 Source Point #.................. 0
                  # of Points................... 0
        Item  #7 Source Point #.................. 0
                  # of Points................... 0
        Item  #8 Source Point #.................. 0
                  # of Points................... 0
        Item  #9 Source Point #.................. 0
                  # of Points................... 0
        Item #10 Source Point #.................. 0
                  # of Points................... 0
        Item #11 Source Point #.................. 0
                  # of Points................... 0
        Item #12 Source Point #.................. 0
                  # of Points................... 0
        Item #13 Source Point #.................. 0
                  # of Points................... 0
        Item #14 Source Point #.................. 0
                  # of Points................... 0
        Item #15 Source Point #.................. 0
                  # of Points................... 0
        Item #16 Source Point #.................. 0
                  # of Points................... 0
```

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---------- CONFIG AB PLC BLOCK#3 READ
    Start Address of Data Block #3.............  0
        Item  #1 Source Point #.................  0
                 # of Points...................  0
        Item  #2 Source Point #.................  0
                 # of Points...................  0
        Item  #3 Source Point #.................  0
                 # of Points...................  0
        Item  #4 Source Point #.................  0
                 # of Points...................  0
        Item  #5 Source Point #.................  0
                 # of Points...................  0
        Item  #6 Source Point #.................  0
                 # of Points...................  0
        Item  #7 Source Point #.................  0
                 # of Points...................  0
        Item  #8 Source Point #.................  0
                 # of Points...................  0
        Item  #9 Source Point #.................  0
                 # of Points...................  0
        Item #10 Source Point #.................  0
                 # of Points...................  0
        Item #11 Source Point #.................  0
                 # of Points...................  0
        Item #12 Source Point #.................  0
                 # of Points...................  0
        Item #13 Source Point #.................  0
                 # of Points...................  0
        Item #14 Source Point #.................  0
                 # of Points...................  0
        Item #15 Source Point #.................  0
                 # of Points...................  0
        Item #16 Source Point #.................  0
                 # of Points...................  0


---------- CONFIG AB PLC COMMAND BLOCK
    Start Address of Command Block .............  0
        Item  #1 Dest. Point #..................  0
                 # of Points...................  0
        Item  #2 Dest. Point #..................  0
                 # of Points...................  0
        Item  #3 Dest. Point #..................  0
                 # of Points...................  0
        Item  #4 Dest. Point #..................  0
                 # of Points...................  0
        Item  #5 Dest. Point #..................  0
                 # of Points...................  0
        Item  #6 Dest. Point #..................  0
                 # of Points...................  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 26
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---------- CONFIG AB PLC SETPOINT BLOCK
     Start Address  of Command Block............. 0
        Item  #1 Dest. Point #................... 0
                    # of Points................... 0
        Item  #2 Dest. Point #................... 0
                    # of Points................... 0
        Item  #3 Dest. Point #................... 0
                    # of Points................... 0
        Item  #4 Dest. Point #................... 0
                    # of Points................... 0
        Item  #5 Dest. Point #................... 0
                    # of Points................... 0
        Item  #6 Dest. Point #................... 0
                    # of Points................... 0
```

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---------- PRINTER SETUP
        Computer ID......................... 62823
        Print Interval in Minutes........... 0
        Print Interval Start Time........... 18:00:00
        Daily Report Time................... 06:00:00
        Disable Daily Report................ YES
        Day Light Savings Start............. 00/00/00
        Day Light Savings End............... 00/00/00
        Clear Daily Totals at Batch End..... YES
        Auto Hourly Batch Select............ NO
        Auto Weekly  Batch Select........... No Batch End
        Auto Monthly Batch Select........... 0
        Print Priority...................... 0
        Number of Nulls..................... 0
        Use Default Report Template......... NO
        Printer Condensed Mode String.......
        Printer Normal    Mode String.......
        Company Name
              TRANSCO part of Lattice Group plc
        Location
              Sunny Blackrod

---------- ANALYSER SETUP
  Analyser ID Number.......................... 1
  Analyser Type............................... DANALYZER
  Results Interval (Minutes).................. 4
  Listen Only Mode (Y or N)................... NO
  GC Fail Code................................ Always use
  GC Comp. # for Methane (CH4)................ 0
  GC Comp. # for Nitrogen (N2)................ 0
  GC Comp. # for Carbon Dioxide (CO2)......... 0
  GC Comp. # for Ethane (C2H6)................ 0
  GC Comp. # for Propane (C3H8)............... 0
  GC Comp. # for Water (H2O).................. 0
  GC Comp. # for Hydrogen Sulfide (H2S)....... 0
  GC Comp. # for Hydrogen (H2)................ 0
  GC Comp. # for Carbon Monoxide (CO)......... 0
  GC Comp. # for Oxygen (O2).................. 0
  GC Comp. # for i-Butane (iC4H10)............ 0
  GC Comp. # for n-Butane (nC4H10)............ 0
  GC Comp. # for i-Pentane (iC5H12)........... 0
  GC Comp. # for n-Pentane (nC5H12)........... 0
  GC Comp. # for n-Hexane (C6H14)............. 0
  GC Comp. # for n-Heptane (C7H16)............ 0
  GC Comp. # for n-Octane (C8H16)............. 0
  GC Comp. # for n-Nonane..................... 0
  GC Comp. # for n-Decane..................... 0
  GC Comp. # for Helium (He).................. 0
  GC Comp. # for Argon (Ar)................... 0
  GC Comp. # for Heating Value................ 0
  GC Comp. # for Specific Gravity............. 0
```

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=========================================================================
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---------- PID CONTROL SETUP
Loop #1 Secondary Setpoint Value................ 0
        Primary Gain Factor..................... 0.00
                    Rpts/Min................... 0.00
        Secondary Gain Factor.................. 0.00
                  Rpts/Min..................... 0.00
        Deadband %............................. 0
        Startup Ramp %......................... 0
        Shutdown Ramp %........................ 0
        Minimum Ramp To %...................... 0
        Primary Setpoint Low  Limit............ 0
                      High Limit.............. 0
                      Zero Value.............. 0
                      Full Scale Value........ 0
        Secondary Var Zero Value............... 0
                  Full Scale Value.......... 0
Loop #2 Secondary Setpoint Value................ 0
        Primary Gain Factor..................... 0.00
                    Rpts/Min................... 0.00
        Secondary Gain Factor.................. 0.00
                  Rpts/Min..................... 0.00
        Deadband %............................. 0
        Startup Ramp %......................... 0
        Shutdown Ramp %........................ 0
        Minimum Ramp To %...................... 0
        Primary Setpoint Low  Limit............ 0
                      High Limit.............. 0
                      Zero Value.............. 0
                      Full Scale Value........ 0
        Secondary Var Zero Value............... 0
                  Full Scale Value.......... 0
Loop #3 Secondary Setpoint Value................ 0
        Primary Gain Factor..................... 0.00
                    Rpts/Min................... 0.00
        Secondary Gain Factor.................. 0.00
                  Rpts/Min..................... 0.00
        Deadband %............................. 0
        Startup Ramp %......................... 0
        Shutdown Ramp %........................ 0
        Minimum Ramp To %...................... 0
        Primary Setpoint Low  Limit............ 0
                      High Limit............. 0
                      Zero Value............. 0
                      Full Scale Value........ 0
        Secondary Var Zero Value............... 0
                  Full Scale Value.......... 0
Loop #4 Secondary Setpoint Value................ 0
        Primary Gain Factor..................... 0.00
                    Rpts/Min................... 0.00
        Secondary Gain Factor.................. 0.00
                  Rpts/Min..................... 0.00
        Deadband %............................. 0
        Startup Ramp %......................... 0
        Shutdown Ramp %........................ 0
```

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---------- PID CONTROL SETUP                               (Cont'd)
        Minimum Ramp To %...................... 0
        Primary Setpoint Low  Limit............ 0
                        High Limit............. 0
                        Zero Value............. 0
                        Full Scale Value....... 0
        Secondary Var Zero Value............... 0
                        Full Scale Value....... 0

---------- GRAV/DENSITY SETUP

---------- TEMP/PRESS SETUP
    Temp  #1 Low Alarm Limit................... -10
             Hi  Alarm Limit................... 40
             Override Value.................... 15
             Override Code..................... Avg on fail
    Temp  #2 Low Alarm Limit................... -10
             Hi  Alarm Limit................... 40
             Override Value.................... 15
             Override Code..................... Avg on fail
    Press #1 Low Alarm Limit.................. 35
             Hi  Alarm Limit.................. 80
             Override Value................... 50
             Override Code.................... Avg on fail
             at 4mA.......................... 0
             at 20mA......................... 80
             Damping Code..................... 0.0 Seconds
    Press #2 Low Alarm Limit.................. 30
             Hi  Alarm Limit.................. 80
             Override Value................... 50
             Override Code.................... Avg on fail
             at 4mA.......................... 0
             at 20mA......................... 80
             Damping Code..................... 0.0 Seconds

---------- DIFF. PRESSURE SETUP
Diff Pressure #1 Low Alarm Limit................ -2.5
                 Hi  Alarm Limit................ 502.5
                 Override Value................. 0
                 Override Code.................. Avg on fail
                 Low DP at   4mA................ 0
                 Low DP at 20mA................ 50
                 Damping Code................... 0.0 Seconds
                 High DP at   4mA............... 0
                 High DP at 20mA............... 500
                 Damping Code................... 0.0 Seconds
                 High DP Select %............... 95
                 Low DP Select %............... 9
Diff Pressure #2 Low Alarm Limit................ -2.5
                 Hi  Alarm Limit............... 502.5
                 Override Value................. 0
                 Override Code................. Avg on fail
```

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---------- DIFF. PRESSURE SETUP                              (Cont'd)
                Low DP at   4mA................. 0
                Low DP at  20mA................. 50
                Damping Code................... 0.0 Seconds
                High DP at   4mA............... 0
                High DP at  20mA............... 500
                Damping Code................... 0.0 Seconds
                High DP Select %.............. 95
                Low DP Select %............... 9
Diff Pressure #3 Low Alarm Limit............... -2.5
                Hi  Alarm Limit.............. 502.5
                Override Value................ 0
                Override Code................. Avg on fail
                Low DP at   4mA................ 0
                Low DP at  20mA................ 500
                Damping Code................... 0.0 Seconds
                High DP at   4mA.............. 0
                High DP at  20mA.............. 500
                Damping Code................... 0.0 Seconds
                High DP Select %.............. 0
                Low DP Select %............... 0


---------- STATION SG/N2 ETC SETUP
 Station ID................................... Blackrod
 Flow Low Limit  (Tons/Hr)..................... 0
 Flow High Limit (Tons/Hr)..................... 862.0438
 Gross Flowrate Full Scale..................... 0
 Mass  Flowrate Full Scale..................... 0
 Run Switch Mode.............................. Manual
 Run Switch Time............................... 0
 Run Switch Threshold Low  %DP................. 0
 Run Switch Threshold High %DP................. 0

---------- METER RUN SETUP
 Meter #1 Meter ID............................ 9741/MTA
          Analysis Selected................... Product #1
          Analyzer Stream Number.............. 3
          Flow Low Limit...................... 0
          Flow High Limit..................... 431.0219
          Gross Flow Full Scale............... 0
          Mass Flow Full Scale................ 0
          Low Flow Cutoff..................... .45
          Orifice Measured  Dia............... 366.156
          Orifice Reference Temp.............. 21
          Orifice Expansion Coef.............. 1.600000E-005
          Pipe Measured  Dia.................. 730.1738
          Pipe Reference Temp................. 20
          Pipe Expansion Coef................. 1.100000E-005
          Use Downstream Pressure?............ NO
          Use Upstream Temperature?........... NO
          Orifice Plate Taps.................. Flange Taps
          Transducer Density (Y/N)............ NO
 Meter #2 Meter ID............................ 8171/MTB
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 31
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---------- METER RUN SETUP                                  (Cont'd)
        Analysis Selected...................... Product #1
        Analyzer Stream Number................ 1
        Flow Low Limit........................ 0
        Flow High Limit....................... 431.0219
        Gross Flow Full Scale................. 0
        Mass Flow Full Scale.................. 0
        Low Flow Cutoff....................... .45
        Orifice Measured  Dia................. 366.6744
        Orifice Reference Temp................ 20
        Orifice Expansion Coef................ 1.600000E-005
        Pipe Measured  Dia.................... 730.2849
        Pipe Reference Temp................... 20
        Pipe Expansion Coef................... 1.100000E-005
        Use Downstream Pressure?.............. NO
        Use Upstream Temperature?............. NO
        Orifice Plate Taps.................... Flange Taps
        Transducer Density (Y/N).............. NO
 Meter #3 Meter ID.............................
        Analysis Selected..................... Product #1
        Analyzer Stream Number................ 0
        Flow Low Limit........................ 0
        Flow High Limit....................... 0
        Gross Flow Full Scale................. 0
        Mass Flow Full Scale.................. 0
        Low Flow Cutoff....................... 0
        Orifice Measured  Dia................. 0
        Orifice Reference Temp................ 0
        Orifice Expansion Coef................ 0.000000E+000
        Pipe Measured  Dia.................... 0
        Pipe Reference Temp................... 0
        Pipe Expansion Coef................... 0.000000E+000
        Use Downstream Pressure?.............. NO
        Use Upstream Temperature?............. YES
        Orifice Plate Taps.................... Flange Taps
        Transducer Density (Y/N).............. NO

---------- FACTOR SETUP & SYS CONSTANTS
 Atmospheric Pressure (absolute)................. 1.01325
 Base Pressure (absolute)........................ 1.01325
 Base Temperature................................ 15
 Density of Air.................................. 1.225410
 Flow Average Factor............................. 0
 Alarm Deadband %................................ 2.00
 Roll All Totalizers............................. 9 Digits
 Gross  Totalizer Decimal Places................. 0
 Net    Totalizer Decimal Places................. 0
 Mass   Totalizer Decimal Places................. 0
 Energy Totalizer Decimal Places................. 0
 Select Averaging Method......................... Flow Weighted
 Select Pressure Units........................... Bar
 Select DP Units................................. Milli Bar
```

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---------- FLUID DATA & ANALYSIS
 Prod #1 Fluid Name..............................
         Fluid Type Select (F1=Help)............ Natural Gas
         Viscosity in pa.s...................... .0000119
         Isentropic Exponent.................... 1.3257
         AGA-8 Method (F1=Help)................. 94 Detailed
         Heating Value Method (F1=Help)......... ISO 6976
         Heating Value MJ/NM3................... 38.883
         Specific Gravity....................... 0.6341
         1994-01 % Methane (CH4)................ 87.9784
         1994-02 % Nitrogen (N2)................ 3.0080
         1994-03 % Carbon Dioxide (CO2)......... 1.7608
         1994-04 % Ethane (C2H6)................ 5.2067
         1994-05 % Propane (C3H8)............... 1.3992
         1994-06 % Water (H2O).................. 0.0000
         1994-07 % Hydrogen Sulfide (H2S)....... 0.0000
         1994-08 % Hydrogen (H2)................ 0.0000
         1994-09 % Carbon Monoxide (CO)......... 0.0000
         1994-10 % Oxygen (O2).................. 0.0000
         1994-11 % i-Butane (iC4H10)............ 0.1678
         1994-12 % n-Butane (nC4H10)............ 0.2721
         1994-13 % i-Pentane (iC5H12)........... 0.0757
         1994-14 % n-Pentane (nC5H12)........... 0.0676
         1994-15 % n-Hexane (C6H14)............. 0.0636
         1994-16 % n-Heptane (C7H16)............ 0.0000
         1994-17 % n-Octane (C8H16)............. 0.0000
         1994-18 % n-Nonane.................... 0.0000
         1994-19 % n-Decane.................... 0.0000
         1994-20 % Helium (He).................. 0.0000
         1994-21 % Argon (Ar).................. 0.0000
 Prod #2 Fluid Name..............................
         Fluid Type Select (F1=Help)............ None Selected
         Reference Density KG/M3................ 0
         Viscosity in pa.s...................... 0
         Isentropic Exponent.................... 0
         Heating Value MJ/NM3................... 38.883
 Prod #3 Fluid Name..............................
         Fluid Type Select (F1=Help)............ None Selected
         Reference Density KG/M3................ 0
         Viscosity in pa.s...................... 0
         Isentropic Exponent.................... 0
         Heating Value MJ/NM3................... 0
 Prod #4 Fluid Name..............................
         Fluid Type Select (F1=Help)............ None Selected
         Reference Density Lb/Ft3............... 0
         Viscosity in Centipoise............... 0
         Isentropic Exponent.................... 0
         Heating Value Btu/Scf................. 0
```

TABLE B.4 CONFIGURATION DATA REPORT 15/07/2008

```
=========================================================================
CONFIGURATION DATA REPORT : [ BLAN0715.OMI ]

COMPANY NAME : TRANSCO part of Lattice Group plc
LOCATION :    Sunny Blackrod
COMPUTER ID :  62823

CURRENT DATE : 3-31-2010  TIME : 12:15a
CONFIGURATION FILE : LAST MODIFIED
=========================================================================

---------- CHECK I/O MODULE CONFIG
 OMNI Flow Computer Model Number................ OMNI 6000
 Number of TYPE A Modules Installed............. 3
 Number of TYPE B Modules Installed............. 0
 Number of TYPE C Modules Installed............. 0
 Number of TYPE E Modules Installed............. 0
 Number of TYPE E/D Modules Installed........... 0
 Number of TYPE H Modules Installed............. 0
 Number of DIGITAL Modules Installed........... 1
 Number of SERIAL  Modules Installed........... 2

---------- FLOW COMPUTER TIME & DATE
                  OMNI Time................... 13:46:07
                  OMNI Date................... 15/07/08
                  Select Date Type............ dd/mm/yy

---------- CONFIG STATION DATA
 Station Totals and Flows Defined As:.......... 1+2
 Reference Gravity.I/O Pnt#.................... 0
                  Tag.........................
                  Type........................ 4-20 mA
 Nitrogen %     I/O Pnt#...................... 0
                  Tag.........................
 Carbon Dioxide I/O Pnt#...................... 0
                  Tag.........................
 Heating Value  I/O Pnt#...................... 0
                  Tag.........................
 Auxiliary Input #1 I/O Pnt#.................. 0
                  Tag.........................
                  Type........................ DIN Rtd
 Auxiliary Input #2 I/O Pnt#.................. 0
                  Tag.........................
                  Type........................ DIN Rtd
 Auxiliary Input #3 I/O Pnt#.................. 0
                  Tag.........................
                  Type........................ DIN Rtd
 Auxiliary Input #4 I/O Pnt#.................. 0
                  Tag.........................
                  Type........................ DIN Rtd

---------- CONFIG METER RUNS
 Meter #1 Select Turbine Y/N................... NO
        DP Low  Range I/O Pnt#............... 3
                      Tag................... DPLR-1
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 02
========================================================================

---------- CONFIG METER RUNS                                (Cont'd)
         DP High Range I/O Pnt#................ 4
                    Tag.................... DPHR-1
         Temp I/O Pnt#........................ 1
                    Tag........................... FT-1
                    Type.......................... DIN Rtd
         Pres I/O Pnt#........................ 2
                    Tag........................... FP-1
         Dens I/O Pnt#........................ 0
                    Tag...........................
                    Type.......................... 4-20 SG
         Dens Temp I/O Pnt#................... 0
                    Tag...........................
                    Type.......................... DIN Rtd
         Dens Pres I/O Pnt#................... 0
                    Tag...........................
 Meter #2 Select Turbine Y/N................... NO
         DP Low  Range I/O Pnt#............... 7
                    Tag.................... DPLR-2
         DP High Range I/O Pnt#............... 8
                    Tag.................... DPHR-2
         Temp I/O Pnt#........................ 5
                    Tag........................... FT-2
                    Type.......................... DIN Rtd
         Pres I/O Pnt#........................ 6
                    Tag........................... FP-2
         Dens I/O Pnt#........................ 0
                    Tag...........................
                    Type.......................... 4-20 SG
         Dens Temp I/O Pnt#................... 0
                    Tag...........................
                    Type.......................... DIN Rtd
         Dens Pres I/O Pnt#................... 0
                    Tag...........................
 Meter #3 Select Turbine Y/N................... NO
         DP Low  Range I/O Pnt#............... 11
                    Tag.................... DPST-1
         DP High Range I/O Pnt#............... 12
                    Tag.................... DPST-2
         Temp I/O Pnt#........................ 0
                    Tag...........................
                    Type.......................... DIN Rtd
         Pres I/O Pnt#........................ 0
                    Tag...........................
         Dens I/O Pnt#........................ 0
                    Tag...........................
                    Type.......................... 4-20 SG
         Dens Temp I/O Pnt#................... 0
                    Tag...........................
                    Type.......................... DIN Rtd
         Dens Pres I/O Pnt#................... 0
                    Tag...........................
 Meter #4 Select Turbine Y/N................... NO
         DP Low  Range I/O Pnt#............... 0
                    Tag....................
```

```
=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 03
=========================================================================

---------- CONFIG METER RUNS                                (Cont'd)
        DP High Range I/O Pnt#................ 0
                    Tag...................
        Temp I/O Pnt#......................... 0
                Tag...........................
                Type.......................... DIN Rtd
        Pres I/O Pnt#......................... 0
                Tag...........................
        Dens I/O Pnt#......................... 0
                Tag...........................
                Type.......................... 4-20 SG
        Dens Temp I/O Pnt#.................... 0
                Tag...........................
                Type.......................... DIN Rtd
        Dens Pres I/O Pnt#................... 0
                Tag...........................


---------- CONFIG PID LOOPS
Loop #1 Primary Variable Assign................ 0
                    Remark...............
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................ 0
        Secondary Variable Assign............. 0
                    Remark..............
                    Action (F/R)........ Forward
        Error Select (Low/High)............... Low
        Startup Mode (Last/Manual)............ Last State
        Control Output Tag....................
Loop #2 Primary Variable Assign................ 0
                    Remark...............
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................ 0
        Secondary Variable Assign............. 0
                    Remark..............
                    Action (F/R)........ Forward
        Error Select (Low/High)............... Low
        Startup Mode (Last/Manual)............ Last State
        Control Output Tag....................
Loop #3 Primary Variable Assign................ 0
                    Remark...............
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................ 0
        Secondary Variable Assign............. 0
                    Remark..............
                    Action (F/R)........ Forward
        Error Select (Low/High)............... Low
        Startup Mode (Last/Manual)............ Last State
        Control Output Tag....................
Loop #4 Primary Variable Assign................ 0
                    Remark...............
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................ 0
        Secondary Variable Assign............. 0
                    Remark..............
```

```
=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 04
=========================================================================

---------- CONFIG PID LOOPS                               (Cont'd)
                         Action (F/R)......... Forward
         Error Select (Low/High)................. Low
         Startup Mode (Last/Manual).............. Last State
         Control Output Tag.....................

---------- CONFIG D/A OUT
         D/A Output #01 Assign.................... 7802
                         Remarks.................. Station scm/hr
                         @  4 ma.................. 0
                         @ 20 ma.................. 1109405
         D/A Output #02 Assign.................... 7044
                         Remarks.................. Odorant scm/hr
                         @  4 ma.................. 0
                         @ 20 ma.................. 1109405
         D/A Output #03 Assign.................... 0
                         Remarks..................
                         @  4 ma.................. 0
                         @ 20 ma.................. 0
         D/A Output #04 Assign.................... 0
                         Remarks..................
                         @  4 ma.................. 0
                         @ 20 ma.................. 0
         D/A Output #05 Assign.................... 0
                         Remarks..................
                         @  4 ma.................. 0
                         @ 20 ma.................. 0
         D/A Output #06 Assign.................... 0
                         Remarks..................
                         @  4 ma.................. 0
                         @ 20 ma................. 0

---------- CONFIG FRONT PANEL COUNTERS
     Front Panel Counter A Assign................ 1802
                           Remark............... Stream 1 st vol
                           Pulses/Unit........... .001
     Front Panel Counter B Assign................ 1804
                           Remark............... Stream 1 ene flo
                           Pulses/Unit........... .01
     Front Panel Counter C Assign................ 0
                           Remark...............
                           Pulses/Unit........... 0

---------- CONFIGURE BOOLEAN STATEMENTS
                         Boolean #1025 =........ 1811
                             Remarks........ Hi flow alrm
                         Boolean #1026 =........ /1829+1837
                             Remarks........ Power/EPROM fail
                         Boolean #1027 =........ 7054+7055
                             Remarks........ RD alarm
                         Boolean #1028 =........ 1125+1126
                             Remarks........ 1. L/H T alrm
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823       PAGE : 05
========================================================================

---------- CONFIGURE BOOLEAN STATEMENTS                    (Cont'd)
              Boolean #1029 =........  1129+1130
                    Remarks.......  1. L/H P alrm
              Boolean #1030 =........  1141+1142
                    Remarks.......  1. L/H DP alarm
              Boolean #1031 =........  1341+1342
                    Remarks.......  1. L/H STBY alrm
              Boolean #1032 =........  7035&1152
                    Remarks.......  1. LDP OutOfTol
              Boolean #1033 =........  7036&1153
                    Remarks.......  1. HDP OutOfTol
              Boolean #1034 =........  7048+7049
                    Remarks.......  1. Density alrm
              Boolean #1035 =........
                    Remarks.......
              Boolean #1036 =........  1225+1226
                    Remarks.......  2. L/H T alrm
              Boolean #1037 =........  1229+1230
                    Remarks.......  2. L/H P alrm
              Boolean #1038 =........  1241+1242
                    Remarks.......  2. L/H DP alrm
              Boolean #1039 =........  1341+1342
                    Remarks.......  2. L/H STDP alrm
              Boolean #1040 =........  7041&1252
                    Remarks.......  2. LDP OutOfTol
              Boolean #1041 =........  7042&1253
                    Remarks.......  2. HDP OutOfTol
              Boolean #1042 =........  7051+7052
                    Remarks.......  2. Density
              Boolean #1043 =........
                    Remarks.......
              Boolean #1044 =........  1025+1026+1027
                    Remarks.......  General
              Boolean #1045 =........  1028+1029+1030
                    Remarks.......  1.
              Boolean #1046 =........  1031+1032+1033
                    Remarks.......  1.
              Boolean #1047 =........  1034
                    Remarks.......  1.
              Boolean #1048 =........  1036+1037+1038
                    Remarks.......  2.
              Boolean #1049 =........  1039+1040+1041
                    Remarks.......  2.
              Boolean #1050 =........  1042
                    Remarks.......  2.
              Boolean #1051 =........  1045+1046+1047
                    Remarks.......  1. Combined
              Boolean #1052 =........  1048+1049+1050
                    Remarks.......  2. Combined
              Boolean #1053 =........  1051&1105
                    Remarks.......  1. in use?
              Boolean #1054 =........  1052&1205
                    Remarks.......  2. in use?
              Boolean #1055 =........  1044+1053+1054
                    Remarks.......  Meter Suspect
```

```
========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 06
========================================================================

---------- CONFIGURE BOOLEAN STATEMENTS                     (Cont'd)
                  Boolean #1056 =........
                          Remarks........
                  Boolean #1057 =........   1088=1070
                          Remarks........   Maintenance
                  Boolean #1058 =........   1087=1055
                          Remarks........   Meter Suspect
                  Boolean #1059 =........   1086=1027
                          Remarks........   RD error
                  Boolean #1060 =........   1085=1034
                          Remarks........   1. Density error
                  Boolean #1061 =........   1084=1032
                          Remarks........   1. Low DP error
                  Boolean #1062 =........   1083=1033
                          Remarks........   1. High DP error
                  Boolean #1063 =........   1082=1042
                          Remarks........   2. Density error
                  Boolean #1064 =........   1081=1040
                          Remarks........   2. Low DP error
                  Boolean #1065 =........   1080=1041
                          Remarks........   2. High DP error
                  Boolean #1066 =........
                          Remarks........
                  Boolean #1067 =........
                          Remarks........
                  Boolean #1068 =........
                          Remarks........
                  Boolean #1069 =........   /1105&/1205
                          Remarks........   No flow if = 1
                  Boolean #1070 =........   7025
                          Remarks........   Maintenance mode
                  Boolean #1071 =........   1027
                          Remarks........   Spare
                  Boolean #1072 =........   /1055
                          Remarks........   Invert met susp
                  Boolean #1073 =........   1736=/1105
                          Remarks........   1.Disable flow
                  Boolean #1074 =........   1737=/1205
                          Remarks........   2. Disable flow
                  Boolean #1075 =........
                          Remarks........   Den #3 alarm
                  Boolean #1076 =........
                          Remarks........   Den #4 alarm
                  Boolean #1077 =........
                          Remarks........
                  Boolean #1078 =........
                          Remarks........
                  Boolean #1079 =........
                          Remarks........
                  Boolean #1080 =........   M2 HDP OutOfTol
                          Remarks........
                  Boolean #1081 =........   M2 LDP OutOfTol
                          Remarks........
                  Boolean #1082 =........   M2 Den OutOfTol
                          Remarks........
```

```
========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 07
========================================================================

---------- CONFIGURE BOOLEAN STATEMENTS                    (Cont'd)
                  Boolean #1083 =........ M1 HDP OutOfTol
                          Remarks........
                  Boolean #1084 =........ M1 LDP OutOfTol
                          Remarks........
                  Boolean #1085 =........ M1 Den OutOfTol
                          Remarks........
                  Boolean #1086 =........ RD OutOfTol
                          Remarks........
                  Boolean #1087 =........ Meter Suspect
                          Remarks........
                  Boolean #1088 =........ Maintenance
                          Remarks........

---------- CONFIGURE VARIABLE STATEMENTS
                  Statement #7025 =........ Main:-1=Off,1=On
                          Remarks........
                  Statement #7026 =........ LGT Fix Output %
                          Remarks........
                  Statement #7027 =........ LGT lo flo inj %
                          Remarks........
                  Statement #7028 =........ #5.0
                          Remarks........ Enter DP tol
                  Statement #7029 =........ #5.0-7028
                          Remarks........ DP tol >5.0?
                  Statement #7030 =........ 7029)7028=#5.0
                          Remarks........ Set min DPtol
                  Statement #7031 =........ 8596+8795
                          Remarks........ 1.Sum hi cells
                  Statement #7032 =........ 7031/#2
                          Remarks........ 1.Average hi
                  Statement #7033 =........ 7032-8595
                          Remarks........ 1.Diff av H + L
                  Statement #7034 =........ 8596-8795
                          Remarks........ 1.Diff H + STBY
                  Statement #7035 =........ $7033-7028
                          Remarks........ 1.LDP OutOfTol
                  Statement #7036 =........ $7034-7028
                          Remarks........ 1.HDP OutOfTol
                  Statement #7037 =........ 8696+8796
                          Remarks........ 2.Sum hi cells
                  Statement #7038 =........ 7037/#2
                          Remarks........ 2.Average hi
                  Statement #7039 =........ 7038-8695
                          Remarks........ 2.Diff av H + L
                  Statement #7040 =........ 8696-8796
                          Remarks........ 2.Diff H + STBY
                  Statement #7041 =........ $7039-7028
                          Remarks........ 2.LDP OutOfTol
                  Statement #7042 =........ $7040-7028
                          Remarks........ 2.HDP OutOfTol
                  Statement #7043 =........
                          Remarks........
                  Statement #7044 =........ 7802
```

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===========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 08
===========================================================================

---------- CONFIGURE VARIABLE STATEMENTS                      (Cont'd)
                          Remarks........  Set odour flow
                Statement #7045 =........  1069)7044=7085
                          Remarks........  LGT-low flow
                Statement #7046 =........  1055)7044=7086
                          Remarks........  LGT-Met Susp
                Statement #7047 =........  7025)7044=7087
                          Remarks........  LGT-fix flow
                Statement #7048 =........  7107-#80
                          Remarks........  1. Hi den?
                Statement #7049 =........  #24-7107
                          Remarks........  1. Low den?
                Statement #7050 =........
                          Remarks........
                Statement #7051 =........  7207-#80
                          Remarks........  2. Hi den?
                Statement #7052 =........  #24-7207
                          Remarks........  2. Low den?
                Statement #7053 =........
                          Remarks........
                Statement #7054 =........  7141-#0.7
                          Remarks........  RD hi?
                Statement #7055 =........  #0.5-7141
                          Remarks........  RD low?
                Statement #7056 =........
                          Remarks........
                Statement #7057 =........
                          Remarks........
                Statement #7058 =........  7854=7138*17002
                          Remarks........  St mass fl limit
                Statement #7059 =........  7854=7854/#1000
                          Remarks........  Convert to ton/h
                Statement #7060 =........  7162=7854/#2
                          Remarks........  1. Mass flow lim
                Statement #7061 =........  7262=7854/#2
                          Remarks........  2. Mass flow lim
                Statement #7062 =........  7151=#.0009*7158
                          Remarks........  1.Set DP cutoff
                Statement #7063 =........  7251=#.0009*7258
                          Remarks........  2.Set DP cutoff
                Statement #7064 =........
                          Remarks........
                Statement #7065 =........
                          Remarks........
                Statement #7066 =........
                          Remarks........
                Statement #7067 =........  7802*#0.000024
                          Remarks........  St vol MSCM/D
                Statement #7068 =........  7804*#0.024
                          Remarks........  St. energy MMJ/D
                Statement #7069 =........  7802/17002*#100
                          Remarks........  %Max flow
                Statement #7070 =........  17002*#0.000024
                          Remarks........  Max vol MSCM/D
                Statement #7071 =........  7070*#44
```

```
=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 09
=========================================================================

---------- CONFIGURE VARIABLE STATEMENTS                      (Cont'd)
                              Remarks........  Max energy MMJ/D
                    Statement #7072 =........  7068/7071*#100
                              Remarks........  %Energy for tele
                    Statement #7073 =........  7044/17004*#100
                              Remarks........  %Odour
                    Statement #7074 =........
                              Remarks........
                    Statement #7075 =........
                              Remarks........
                    Statement #7076 =........  17049=17025
                              Remarks........  Set counter A
                    Statement #7077 =........  17050=#10*17049
                              Remarks........  Set counter B
                    Statement #7078 =........  7152=7158/#-200
                              Remarks........  1. DP low limit
                    Statement #7079 =........  7153=7158+$7152
                              Remarks........  1. DP hi limit
                    Statement #7080 =........  7252=7258/#-200
                              Remarks........  2. DP low limit
                    Statement #7081 =........  7253=7258+$7252
                              Remarks........  2. DP hi limit
                    Statement #7082 =........  7352=7358/#-200
                              Remarks........  3. DP low limit
                    Statement #7083 =........  7353=7358+$7352
                              Remarks........  3. DP hi limit
                    Statement #7084 =........
                              Remarks........
                    Statement #7085 =........  7027/#100*17004
                              Remarks........  LGT low flow inj
                    Statement #7086 =........  /1055)7086=7044
                              Remarks........  Store LGT output
                    Statement #7087 =........  7026/#100*17004
                              Remarks........  LGT fix flow
                    Statement #7088 =........
                              Remarks........

   ---------- CONFIG USER DISPLAYS
     User Display Number 1  Key Press.............  F
            1st Variable  Tag...................  MSCM/D
                          Point #...............  7067
                          Dec. Places...........  6
            2nd Variable  Tag...................  MMJ/D
                          Point #...............  7068
                          Dec. Places...........  6
            3rd Variable  Tag...................  %Max flw
                          Point #...............  7069
                          Dec. Places...........  2
            4th Variable  Tag...................  %Odour
                          Point #...............  7073
                          Dec. Places...........  2
     User Display Number 2  Key Press.............  IO
            1st Variable  Tag...................  RD
                          Point #...............  7141
```

```
==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 10
==========================================================================

---------- CONFIG USER DISPLAYS                               (Cont'd)
                        Dec. Places........... 7
            2nd Variable  Tag................... Ref den
                        Point #............... 7138
                        Dec. Places........... 7
            3rd Variable  Tag................... Density
                        Point #............... 7107
                        Dec. Places........... 7
            4th Variable  Tag................... CV
                        Point #............... 7142
                        Dec. Places........... 7
  User Display Number 3  Key Press............. IP
            1st Variable  Tag................... RD
                        Point #............... 7241
                        Dec. Places........... 7
            2nd Variable  Tag................... Ref den
                        Point #............... 7238
                        Dec. Places........... 7
            3rd Variable  Tag................... Density
                        Point #............... 7207
                        Dec. Places........... 7
            4th Variable  Tag................... CV
                        Point #............... 7242
                        Dec. Places........... 7
  User Display Number 4  Key Press............. VER
            1st Variable  Tag................... O2_71_V2
                        Point #............... 0
                        Dec. Places........... 0
            2nd Variable  Tag................... LGTcutof
                        Point #............... 7027
                        Dec. Places........... 2
            3rd Variable  Tag................... 25/08/98
                        Point #............... 0
                        Dec. Places........... 0
            4th Variable  Tag...................
                        Point #............... 0
                        Dec. Places........... 0
  User Display Number 5  Key Press............. FO
            1st Variable  Tag................... acmh
                        Point #............... 7101
                        Dec. Places........... 3
            2nd Variable  Tag................... scmh
                        Point #............... 7102
                        Dec. Places........... 3
            3rd Variable  Tag................... tons/hr
                        Point #............... 7103
                        Dec. Places........... 7
            4th Variable  Tag................... GJ/hr
                        Point #............... 7104
                        Dec. Places........... 3
  User Display Number 6  Key Press............. FP
            1st Variable  Tag................... acmh
                        Point #............... 7201
                        Dec. Places........... 3
            2nd Variable  Tag................... scmh
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 11
========================================================================

---------- CONFIG USER DISPLAYS                              (Cont'd)
                        Point #............... 7202
                        Dec. Places........... 3
          3rd Variable  Tag................... tons/hr
                        Point #............... 7203
                        Dec. Places........... 7
          4th Variable  Tag................... GJ/hr
                        Point #............... 7204
                        Dec. Places........... 3
  User Display Number 7 Key Press............. DPO
          1st Variable  Tag................... Low DP
                        Point #............... 8595
                        Dec. Places........... 4
          2nd Variable  Tag................... High DP
                        Point #............... 8596
                        Dec. Places........... 4
          3rd Variable  Tag................... Standby
                        Point #............... 8795
                        Dec. Places........... 4
          4th Variable  Tag................... Average
                        Point #............... 7032
                        Dec. Places........... 4
  User Display Number 8 Key Press............. DPP
          1st Variable  Tag................... Low DP
                        Point #............... 8695
                        Dec. Places........... 4
          2nd Variable  Tag................... High DP
                        Point #............... 8696
                        Dec. Places........... 4
          3rd Variable  Tag................... Standby
                        Point #............... 8796
                        Dec. Places........... 4
          4th Variable  Tag................... Average
                        Point #............... 7038
                        Dec. Places........... 4

---------- CONFIG DIGITAL I/O
      Digital Point #1 Assign.................. 1802
                        Remarks................ Integ St Vol.
                        Pulse Width............ 20
                        Pulses/Unit............ .001
      Digital Point #2 Assign.................. 1072
                        Remarks................ Meter Suspect
                        Delay On............... 10
                        Delay Off.............. 10
      Digital Point #3 Assign.................. 0
                        Remarks................
                        Delay On............... 0
                        Delay Off.............. 0
      Digital Point #4 Assign.................. 0
                        Remarks................
                        Delay On............... 0
                        Delay Off.............. 0
      Digital Point #5 Assign.................. 0
```

```
========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 12
========================================================================

---------- CONFIG DIGITAL I/O                            (Cont'd)
                    Remarks.................
                    Delay On............... 0
                    Delay Off.............. 0
        Digital Point #6 Assign................. 0
                    Remarks.................
                    Delay On............... 0
                    Delay Off.............. 0
        Digital Point #7 Assign................. 0
                    Remarks.................
                    Delay On............... 0
                    Delay Off.............. 0
        Digital Point #8 Assign................. 0
                    Remarks.................
                    Delay On............... 0
                    Delay Off.............. 0
        Digital Point #9 Assign................. 0
                    Remarks.................
                    Delay On............... 0
                    Delay Off.............. 0
        Digital Point #10 Assign................. 0
                    Remarks.................
                    Delay On............... 0
                    Delay Off.............. 0
        Digital Point #11 Assign................. 0
                    Remarks.................
                    Delay On............... 0
                    Delay Off.............. 0
        Digital Point #12 Assign................. 0
                    Remarks...............
                    Delay On.............. 0
                    Delay Off............. 0


---------- CONFIG SERIAL I/O
        Serial I/O #1 Baud Rate.................. 9600
                    Stop Bits.................. 1 Bit
                    Data Bits.................. 8
                    Parity..................... None
                    Xmit Key Delay............. 0ms
                    Port Type.................. Printer
        Serial I/O #2 Baud Rate.................. 9600
                    Stop Bits.................. 1 Bit
                    Data Bits.................. 8
                    Parity..................... None
                    Xmit Key Delay............. 0ms
                    Protocol Type.............. Modbus RTU(Modem)
                    Modbus ID.................. 1
                    Modicon Compatible......... NO
                    CRC Enabled................ YES
        Serial I/O #3 Baud Rate.................. 9600
                    Stop Bits.................. 1 Bit
                    Data Bits.................. 8
                    Parity..................... None
                    Xmit Key Delay............. 0ms
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823       PAGE : 13
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---------- CONFIG SERIAL I/O                              (Cont'd)
                    Protocol Type.............. Modbus ASCII
                    Modbus ID................. 1
                    Modicon Compatible........ YES
                    CRC Enabled............... YES
        Serial I/O #4 Baud Rate................. 9600
                    Stop Bits................. 1 Bit
                    Data Bits................. 8
                    Parity.................... None
                    Xmit Key Delay............ 0ms
                    Protocol Type............. Modbus RTU
                    Modbus ID................. 0
                    Modicon Compatible........ YES
                    CRC Enabled............... YES


---------- MODBUS PEER/PEER COMMUNICATIONS
                    Activate Redundancy Mode.......... NO
                    Next Master in Sequence........... 0
                    Last Master in Sequence........... 0
                    Retry Timer (50 mS Ticks)......... 0
        Transaction #1 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #2 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #3 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #4 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #5 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #6 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
                    Dest. Point #............. 0
        Transaction #7 Target Slave ID........... 0
                    Read/Write ?.............. Read
                    Source Index #............ 0
                    # of Points............... 0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 14
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---------- MODBUS PEER/PEER COMMUNICATIONS                    (Cont'd)
                   Dest. Point #............. 0
       Transaction #8 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points............... 0
                   Dest. Point #............. 0
       Transaction #9 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points............... 0
                   Dest. Point #............. 0
      Transaction #10 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points............... 0
                   Dest. Point #............. 0
      Transaction #11 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points............... 0
                   Dest. Point #............. 0
      Transaction #12 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points............... 0
                   Dest. Point #............. 0
      Transaction #13 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points............... 0
                   Dest. Point #............. 0
      Transaction #14 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points............... 0
                   Dest. Point #............. 0
      Transaction #15 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points............... 0
                   Dest. Point #............. 0
      Transaction #16 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points............... 0
                   Dest. Point #............. 0

---------- CUSTOM MODBUS PACKET(ADDR:001)
           Packet #01 Pnt.#................. 0
                     # of Points........... 0
           Packet #02 Pnt.#................. 0
                     # of Points........... 0
           Packet #03 Pnt.#................. 0
```

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CONFIGURATION DATA REPORT       COMPUTER ID : 62823         PAGE : 15
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---------- CUSTOM MODBUS PACKET(ADDR:001)                   (Cont'd)
                      # of Points............  0
              Packet #04 Pnt.#.................  0
                      # of Points...........  0
              Packet #05 Pnt.#.................  0
                      # of Points...........  0
              Packet #06 Pnt.#.................  0
                      # of Points...........  0
              Packet #07 Pnt.#.................  0
                      # of Points...........  0
              Packet #08 Pnt.#.................  0
                      # of Points...........  0
              Packet #09 Pnt.#.................  0
                      # of Points...........  0
              Packet #10 Pnt.#.................  0
                      # of Points...........  0
              Packet #11 Pnt.#.................  0
                      # of Points...........  0
              Packet #12 Pnt.#.................  0
                      # of Points...........  0
              Packet #13 Pnt.#.................  0
                      # of Points...........  0
              Packet #14 Pnt.#.................  0
                      # of Points...........  0
              Packet #15 Pnt.#.................  0
                      # of Points...........  0
              Packet #16 Pnt.#.................  0
                      # of Points...........  0
              Packet #17 Pnt.#.................  0
                      # of Points...........  0
              Packet #18 Pnt.#.................  0
                      # of Points...........  0
              Packet #19 Pnt.#.................  0
                      # of Points...........  0
              Packet #20 Pnt.#.................  0
                      # of Points...........  0


---------- CUSTOM MODBUS PACKET(ADDR:201)
              Packet #01 Pnt.#.................  0
                      # of Points...........  0
              Packet #02 Pnt.#.................  0
                      # of Points...........  0
              Packet #03 Pnt.#.................  0
                      # of Points...........  0
              Packet #04 Pnt.#.................  0
                      # of Points...........  0
              Packet #05 Pnt.#.................  0
                      # of Points...........  0
              Packet #06 Pnt.#.................  0
                      # of Points...........  0
              Packet #07 Pnt.#.................  0
                      # of Points...........  0
              Packet #08 Pnt.#.................  0
                      # of Points...........  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 16
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---------- CUSTOM MODBUS PACKET(ADDR:401)
            Packet #01 Pnt.#.................. 0
                       # of Points........... 0
            Packet #02 Pnt.#.................. 0
                       # of Points........... 0
            Packet #03 Pnt.#.................. 0
                       # of Points........... 0
            Packet #04 Pnt.#.................. 0
                       # of Points........... 0
            Packet #05 Pnt.#.................. 0
                       # of Points........... 0
            Packet #06 Pnt.#.................. 0
                       # of Points........... 0
            Packet #07 Pnt.#.................. 0
                       # of Points........... 0
            Packet #08 Pnt.#.................. 0
                       # of Points........... 0
            Packet #09 Pnt.#.................. 0
                       # of Points........... 0
            Packet #10 Pnt.#.................. 0
                       # of Points........... 0
            Packet #11 Pnt.#.................. 0
                       # of Points........... 0
            Packet #12 Pnt.#.................. 0
                       # of Points........... 0
            Packet #13 Pnt.#.................. 0
                       # of Points........... 0
            Packet #14 Pnt.#.................. 0
                       # of Points........... 0
            Packet #15 Pnt.#.................. 0
                       # of Points........... 0
            Packet #16 Pnt.#.................. 0
                       # of Points........... 0
            Packet #17 Pnt.#.................. 0
                       # of Points........... 0
            Packet #18 Pnt.#.................. 0
                       # of Points........... 0
            Packet #19 Pnt.#.................. 0
                       # of Points........... 0
            Packet #20 Pnt.#.................. 0
                       # of Points........... 0


---------- ARCHIVE 701 - RECORD DEFINITION
            Packet #01 Pnt.#.................. 0
                       # of Points........... 0
            Packet #02 Pnt.#.................. 0
                       # of Points........... 0
            Packet #03 Pnt.#.................. 0
                       # of Points........... 0
            Packet #04 Pnt.#.................. 0
                       # of Points........... 0
            Packet #05 Pnt.#.................. 0
                       # of Points........... 0
```

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========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 17
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---------- ARCHIVE 701 - RECORD DEFINITION                   (Cont'd)
              Packet #06 Pnt.#..................  0
                         # of Points...........  0
              Packet #07 Pnt.#..................  0
                         # of Points...........  0
              Packet #08 Pnt.#..................  0
                         # of Points...........  0
              Packet #09 Pnt.#..................  0
                         # of Points...........  0
              Packet #10 Pnt.#..................  0
                         # of Points...........  0
              Packet #11 Pnt.#..................  0
                         # of Points...........  0
              Packet #12 Pnt.#..................  0
                         # of Points...........  0
              Packet #13 Pnt.#..................  0
                         # of Points...........  0
              Packet #14 Pnt.#..................  0
                         # of Points...........  0
              Packet #15 Pnt.#..................  0
                         # of Points...........  0
              Packet #16 Pnt.#..................  0
                         # of Points...........  0
              Max Records.....................  0
              Archive Boolean Trigger..........  0

---------- ARCHIVE 702 - RECORD DEFINITION
              Packet #01 Pnt.#..................  0
                         # of Points...........  0
              Packet #02 Pnt.#..................  0
                         # of Points...........  0
              Packet #03 Pnt.#..................  0
                         # of Points...........  0
              Packet #04 Pnt.#..................  0
                         # of Points...........  0
              Packet #05 Pnt.#..................  0
                         # of Points...........  0
              Packet #06 Pnt.#..................  0
                         # of Points...........  0
              Packet #07 Pnt.#..................  0
                         # of Points...........  0
              Packet #08 Pnt.#..................  0
                         # of Points...........  0
              Packet #09 Pnt.#..................  0
                         # of Points...........  0
              Packet #10 Pnt.#..................  0
                         # of Points...........  0
              Packet #11 Pnt.#..................  0
                         # of Points...........  0
              Packet #12 Pnt.#..................  0
                         # of Points...........  0
              Packet #13 Pnt.#..................  0
                         # of Points...........  0
              Packet #14 Pnt.#..................  0
```

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========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823          PAGE : 18
========================================================================

---------- ARCHIVE 702 - RECORD DEFINITION                    (Cont'd)
                        # of Points............  0
              Packet #15 Pnt.#.................  0
                        # of Points...........  0
              Packet #16 Pnt.#.................  0
                        # of Points...........  0
              Max Records.....................  0
              Archive Boolean Trigger..........  0

---------- ARCHIVE 703 - RECORD DEFINITION
              Packet #01 Pnt.#.................  0
                        # of Points...........  0
              Packet #02 Pnt.#.................  0
                        # of Points...........  0
              Packet #03 Pnt.#.................  0
                        # of Points...........  0
              Packet #04 Pnt.#.................  0
                        # of Points...........  0
              Packet #05 Pnt.#.................  0
                        # of Points...........  0
              Packet #06 Pnt.#.................  0
                        # of Points...........  0
              Packet #07 Pnt.#.................  0
                        # of Points...........  0
              Packet #08 Pnt.#.................  0
                        # of Points...........  0
              Packet #09 Pnt.#.................  0
                        # of Points...........  0
              Packet #10 Pnt.#.................  0
                        # of Points...........  0
              Packet #11 Pnt.#.................  0
                        # of Points...........  0
              Packet #12 Pnt.#.................  0
                        # of Points...........  0
              Packet #13 Pnt.#.................  0
                        # of Points...........  0
              Packet #14 Pnt.#.................  0
                        # of Points...........  0
              Packet #15 Pnt.#.................  0
                        # of Points...........  0
              Packet #16 Pnt.#.................  0
                        # of Points...........  0
              Max Records.....................  0
              Archive Boolean Trigger..........  0

---------- ARCHIVE 704 - RECORD DEFINITION
              Packet #01 Pnt.#.................  0
                        # of Points...........  0
              Packet #02 Pnt.#.................  0
                        # of Points...........  0
              Packet #03 Pnt.#.................  0
                        # of Points...........  0
              Packet #04 Pnt.#.................  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 19
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---------- ARCHIVE 704 - RECORD DEFINITION                    (Cont'd)
                        # of Points............  0
            Packet #05 Pnt.#.................  0
                        # of Points...........  0
            Packet #06 Pnt.#.................  0
                        # of Points...........  0
            Packet #07 Pnt.#.................  0
                        # of Points...........  0
            Packet #08 Pnt.#.................  0
                        # of Points...........  0
            Packet #09 Pnt.#.................  0
                        # of Points...........  0
            Packet #10 Pnt.#.................  0
                        # of Points...........  0
            Packet #11 Pnt.#.................  0
                        # of Points...........  0
            Packet #12 Pnt.#.................  0
                        # of Points...........  0
            Packet #13 Pnt.#.................  0
                        # of Points...........  0
            Packet #14 Pnt.#.................  0
                        # of Points...........  0
            Packet #15 Pnt.#.................  0
                        # of Points...........  0
            Packet #16 Pnt.#.................  0
                        # of Points...........  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 705 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                        # of Points...........  0
            Packet #02 Pnt.#.................  0
                        # of Points...........  0
            Packet #03 Pnt.#.................  0
                        # of Points...........  0
            Packet #04 Pnt.#.................  0
                        # of Points...........  0
            Packet #05 Pnt.#.................  0
                        # of Points...........  0
            Packet #06 Pnt.#.................  0
                        # of Points...........  0
            Packet #07 Pnt.#.................  0
                        # of Points...........  0
            Packet #08 Pnt.#.................  0
                        # of Points...........  0
            Packet #09 Pnt.#.................  0
                        # of Points...........  0
            Packet #10 Pnt.#.................  0
                        # of Points...........  0
            Packet #11 Pnt.#.................  0
                        # of Points...........  0
            Packet #12 Pnt.#.................  0
                        # of Points...........  0
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 20
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----------- ARCHIVE 705 - RECORD DEFINITION                (Cont'd)
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records......................  0
            Archive Boolean Trigger..........  0

----------- ARCHIVE 706 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records......................  0
            Archive Boolean Trigger..........  0

----------- ARCHIVE 707 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
```

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==========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 21
==========================================================================

---------- ARCHIVE 707 - RECORD DEFINITION                    (Cont'd)
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 708 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 22
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---------- ARCHIVE 708 - RECORD DEFINITION                    (Cont'd)
                        # of Points............  0
             Packet #12 Pnt.#.................  0
                        # of Points...........  0
             Packet #13 Pnt.#.................  0
                        # of Points...........  0
             Packet #14 Pnt.#.................  0
                        # of Points...........  0
             Packet #15 Pnt.#.................  0
                        # of Points...........  0
             Packet #16 Pnt.#.................  0
                        # of Points...........  0
             Max Records......................  0
             Archive Boolean Trigger..........  0


---------- ARCHIVE 709 - RECORD DEFINITION
             Packet #01 Pnt.#.................  0
                        # of Points...........  0
             Packet #02 Pnt.#.................  0
                        # of Points...........  0
             Packet #03 Pnt.#.................  0
                        # of Points...........  0
             Packet #04 Pnt.#.................  0
                        # of Points...........  0
             Packet #05 Pnt.#.................  0
                        # of Points...........  0
             Packet #06 Pnt.#.................  0
                        # of Points...........  0
             Packet #07 Pnt.#.................  0
                        # of Points...........  0
             Packet #08 Pnt.#.................  0
                        # of Points...........  0
             Packet #09 Pnt.#.................  0
                        # of Points...........  0
             Packet #10 Pnt.#.................  0
                        # of Points...........  0
             Packet #11 Pnt.#.................  0
                        # of Points...........  0
             Packet #12 Pnt.#.................  0
                        # of Points...........  0
             Packet #13 Pnt.#.................  0
                        # of Points...........  0
             Packet #14 Pnt.#.................  0
                        # of Points...........  0
             Packet #15 Pnt.#.................  0
                        # of Points...........  0
             Packet #16 Pnt.#.................  0
                        # of Points...........  0
             Max Records......................  0
             Archive Boolean Trigger..........  0
```

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========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823       PAGE : 23
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---------- ARCHIVE 710 - RECORD DEFINITION
              Packet #01 Pnt.#.................. 0
                         # of Points........... 0
              Packet #02 Pnt.#.................. 0
                         # of Points........... 0
              Packet #03 Pnt.#.................. 0
                         # of Points........... 0
              Packet #04 Pnt.#.................. 0
                         # of Points........... 0
              Packet #05 Pnt.#.................. 0
                         # of Points........... 0
              Packet #06 Pnt.#.................. 0
                         # of Points........... 0
              Packet #07 Pnt.#.................. 0
                         # of Points........... 0
              Packet #08 Pnt.#.................. 0
                         # of Points........... 0
              Packet #09 Pnt.#.................. 0
                         # of Points........... 0
              Packet #10 Pnt.#.................. 0
                         # of Points........... 0
              Packet #11 Pnt.#.................. 0
                         # of Points........... 0
              Packet #12 Pnt.#.................. 0
                         # of Points........... 0
              Packet #13 Pnt.#.................. 0
                         # of Points........... 0
              Packet #14 Pnt.#.................. 0
                         # of Points........... 0
              Packet #15 Pnt.#.................. 0
                         # of Points........... 0
              Packet #16 Pnt.#.................. 0
                         # of Points........... 0
              Max Records...................... 0
              Archive Boolean Trigger.......... 0


---------- CONFIG AB PLC BLOCK#1 READ
      Start Address of Data Block #1.............. 9
         Item  #1 Source Point #.................. 8
                  # of Points................... 10
         Item  #2 Source Point #.................. 11
                  # of Points................... 2
         Item  #3 Source Point #.................. 0
                  # of Points................... 0
         Item  #4 Source Point #.................. 0
                  # of Points................... 0
         Item  #5 Source Point #.................. 0
                  # of Points................... 3
         Item  #6 Source Point #.................. 4
                  # of Points................... 6
         Item  #7 Source Point #.................. 7
                  # of Points................... 1
         Item  #8 Source Point #.................. 0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 24
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---------- CONFIG AB PLC BLOCK#1 READ                       (Cont'd)
                # of Points................... 0
        Item  #9 Source Point #................. 0
                # of Points................... 0
        Item #10 Source Point #................. 0
                # of Points................... 0
        Item #11 Source Point #................. 17
                # of Points................... 18
        Item #12 Source Point #................. 0
                # of Points................... 0
        Item #13 Source Point #................. 0
                # of Points................... 0
        Item #14 Source Point #................. 0
                # of Points................... 0
        Item #15 Source Point #................. 0
                # of Points................... 0
        Item #16 Source Point #................. 0
                # of Points................... 0


---------- CONFIG AB PLC BLOCK#2 READ
     Start Address of Data Block #2.............. 0
        Item  #1 Source Point #................. 0
                # of Points................... 0
        Item  #2 Source Point #................. 0
                # of Points................... 0
        Item  #3 Source Point #................. 0
                # of Points................... 0
        Item  #4 Source Point #................. 0
                # of Points................... 0
        Item  #5 Source Point #................. 0
                # of Points................... 0
        Item  #6 Source Point #................. 0
                # of Points................... 0
        Item  #7 Source Point #................. 0
                # of Points................... 0
        Item  #8 Source Point #................. 0
                # of Points................... 0
        Item  #9 Source Point #................. 0
                # of Points................... 0
        Item #10 Source Point #................. 0
                # of Points................... 0
        Item #11 Source Point #................. 0
                # of Points................... 0
        Item #12 Source Point #................. 0
                # of Points................... 0
        Item #13 Source Point #................. 0
                # of Points................... 0
        Item #14 Source Point #................. 0
                # of Points................... 0
        Item #15 Source Point #................. 0
                # of Points................... 0
        Item #16 Source Point #................. 0
                # of Points................... 0
```

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CONFIGURATION DATA REPORT        COMPUTER ID : 62823        PAGE : 25
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---------- CONFIG AB PLC BLOCK#3 READ
    Start Address of Data Block #3.............. 0
        Item  #1 Source Point #.................. 0
                 # of Points.................... 0
        Item  #2 Source Point #.................. 0
                 # of Points.................... 0
        Item  #3 Source Point #.................. 0
                 # of Points.................... 0
        Item  #4 Source Point #.................. 0
                 # of Points.................... 0
        Item  #5 Source Point #.................. 0
                 # of Points.................... 0
        Item  #6 Source Point #.................. 0
                 # of Points.................... 0
        Item  #7 Source Point #.................. 0
                 # of Points.................... 0
        Item  #8 Source Point #.................. 0
                 # of Points.................... 0
        Item  #9 Source Point #.................. 0
                 # of Points.................... 0
        Item #10 Source Point #.................. 0
                 # of Points.................... 0
        Item #11 Source Point #.................. 0
                 # of Points.................... 0
        Item #12 Source Point #.................. 0
                 # of Points.................... 0
        Item #13 Source Point #.................. 0
                 # of Points.................... 0
        Item #14 Source Point #.................. 0
                 # of Points.................... 0
        Item #15 Source Point #.................. 0
                 # of Points.................... 0
        Item #16 Source Point #.................. 0
                 # of Points.................... 0


---------- CONFIG AB PLC COMMAND BLOCK
    Start Address of Command Block ............. 0
        Item  #1 Dest. Point #.................. 0
                 # of Points.................... 0
        Item  #2 Dest. Point #.................. 0
                 # of Points.................... 0
        Item  #3 Dest. Point #.................. 0
                 # of Points.................... 0
        Item  #4 Dest. Point #.................. 0
                 # of Points.................... 0
        Item  #5 Dest. Point #.................. 0
                 # of Points.................... 0
        Item  #6 Dest. Point #.................. 0
                 # of Points.................... 0
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 26
========================================================================


---------- CONFIG AB PLC SETPOINT BLOCK
    Start Address  of Command Block............. 0
        Item  #1 Dest. Point #................... 0
                 # of Points................... 0
        Item  #2 Dest. Point #................... 0
                 # of Points................... 0
        Item  #3 Dest. Point #................... 0
                 # of Points................... 0
        Item  #4 Dest. Point #................... 0
                 # of Points................... 0
        Item  #5 Dest. Point #................... 0
                 # of Points................... 0
        Item  #6 Dest. Point #................... 0
                 # of Points................... 0
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 27
========================================================================

---------- PRINTER SETUP
        Computer ID.......................... 62823
        Print Interval in Minutes............ 0
        Print Interval Start Time............ 18:00:00
        Daily Report Time.................... 06:00:00
        Disable Daily Report................. YES
        Day Light Savings Start.............. 00/00/00
        Day Light Savings End................ 00/00/00
        Clear Daily Totals at Batch End...... YES
        Auto Hourly Batch Select............. NO
        Auto Weekly  Batch Select............ No Batch End
        Auto Monthly Batch Select............ 0
        Print Priority....................... 0
        Number of Nulls...................... 0
        Use Default Report Template.......... NO
        Printer Condensed Mode String........
        Printer Normal    Mode String........
        Company Name
             TRANSCO part of Lattice Group plc
        Location
             Sunny Blackrod

---------- ANALYSER SETUP
  Analyser ID Number.......................... 1
  Analyser Type............................... DANALYZER
  Results Interval (Minutes).................. 4
  Listen Only Mode (Y or N)................... NO
  GC Fail Code................................ Always use
  GC Comp. # for Methane (CH4)................ 0
  GC Comp. # for Nitrogen (N2)................ 0
  GC Comp. # for Carbon Dioxide (CO2)......... 0
  GC Comp. # for Ethane (C2H6)................ 0
  GC Comp. # for Propane (C3H8)............... 0
  GC Comp. # for Water (H2O).................. 0
  GC Comp. # for Hydrogen Sulfide (H2S)....... 0
  GC Comp. # for Hydrogen (H2)................ 0
  GC Comp. # for Carbon Monoxide (CO)......... 0
  GC Comp. # for Oxygen (O2).................. 0
  GC Comp. # for i-Butane (iC4H10)............ 0
  GC Comp. # for n-Butane (nC4H10)............ 0
  GC Comp. # for i-Pentane (iC5H12)........... 0
  GC Comp. # for n-Pentane (nC5H12)........... 0
  GC Comp. # for n-Hexane (C6H14)............. 0
  GC Comp. # for n-Heptane (C7H16)............ 0
  GC Comp. # for n-Octane (C8H16)............. 0
  GC Comp. # for n-Nonane..................... 0
  GC Comp. # for n-Decane..................... 0
  GC Comp. # for Helium (He).................. 0
  GC Comp. # for Argon (Ar)................... 0
  GC Comp. # for Heating Value................ 0
  GC Comp. # for Specific Gravity............. 0
```

```
=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 28
=========================================================================


---------- PID CONTROL SETUP
Loop #1 Secondary Setpoint Value................ 0
        Primary Gain Factor..................... 0.00
                    Rpts/Min.................... 0.00
        Secondary Gain Factor................... 0.00
                  Rpts/Min...................... 0.00
        Deadband %.............................. 0
        Startup Ramp %.......................... 0
        Shutdown Ramp %......................... 0
        Minimum Ramp To %....................... 0
        Primary Setpoint Low  Limit............. 0
                        High Limit............. 0
                        Zero Value............. 0
                        Full Scale Value........ 0
        Secondary Var Zero Value................ 0
                    Full Scale Value.......... 0
Loop #2 Secondary Setpoint Value................ 0
        Primary Gain Factor..................... 0.00
                    Rpts/Min.................... 0.00
        Secondary Gain Factor................... 0.00
                    Rpts/Min.................... 0.00
        Deadband %.............................. 0
        Startup Ramp %.......................... 0
        Shutdown Ramp %......................... 0
        Minimum Ramp To %....................... 0
        Primary Setpoint Low  Limit............. 0
                        High Limit............. 0
                        Zero Value............. 0
                        Full Scale Value........ 0
        Secondary Var Zero Value................ 0
                    Full Scale Value.......... 0
Loop #3 Secondary Setpoint Value................ 0
        Primary Gain Factor..................... 0.00
                    Rpts/Min.................... 0.00
        Secondary Gain Factor................... 0.00
                  Rpts/Min...................... 0.00
        Deadband %.............................. 0
        Startup Ramp %.......................... 0
        Shutdown Ramp %......................... 0
        Minimum Ramp To %....................... 0
        Primary Setpoint Low  Limit............. 0
                        High Limit............. 0
                        Zero Value............. 0
                        Full Scale Value........ 0
        Secondary Var Zero Value................ 0
                    Full Scale Value.......... 0
Loop #4 Secondary Setpoint Value................ 0
        Primary Gain Factor..................... 0.00
                    Rpts/Min.................... 0.00
        Secondary Gain Factor................... 0.00
                    Rpts/Min.................... 0.00
        Deadband %.............................. 0
        Startup Ramp %.......................... 0
        Shutdown Ramp %......................... 0
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 29
========================================================================

---------- PID CONTROL SETUP                                (Cont'd)
        Minimum Ramp To %....................... 0
        Primary Setpoint Low  Limit............. 0
                          High Limit............. 0
                          Zero Value............. 0
                          Full Scale Value........ 0
        Secondary Var Zero Value............... 0
                       Full Scale Value......... 0

---------- GRAV/DENSITY SETUP

---------- TEMP/PRESS SETUP
    Temp  #1 Low Alarm Limit................... -10
             Hi  Alarm Limit................... 40
             Override Value.................... 15
             Override Code..................... Avg on fail
    Temp  #2 Low Alarm Limit................... -10
             Hi  Alarm Limit................... 40
             Override Value.................... 15
             Override Code..................... Avg on fail
    Press #1 Low Alarm Limit.................. 35
             Hi  Alarm Limit.................. 80
             Override Value................... 50
             Override Code.................... Avg on fail
             at  4mA.......................... 0
             at 20mA.......................... 80
             Damping Code..................... 0.0 Seconds
    Press #2 Low Alarm Limit.................. 30
             Hi  Alarm Limit.................. 80
             Override Value................... 50
             Override Code.................... Avg on fail
             at  4mA.......................... 0
             at 20mA.......................... 80
             Damping Code..................... 0.0 Seconds

---------- DIFF. PRESSURE SETUP
Diff Pressure #1 Low Alarm Limit................ -2.5
                 Hi  Alarm Limit................ 502.5
                 Override Value................. 0
                 Override Code.................. Avg on fail
                 Low DP at   4mA................ 0
                 Low DP at 20mA................ 50
                 Damping Code.................. 0.0 Seconds
                 High DP at   4mA................ 0
                 High DP at 20mA............... 500
                 Damping Code.................. 0.0 Seconds
                 High DP Select %............... 95
                 Low DP Select %............... 9
Diff Pressure #2 Low Alarm Limit............... -2.5
                 Hi  Alarm Limit............... 502.5
                 Override Value................. 0
                 Override Code................. Avg on fail
```

```
=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823          PAGE : 30
=========================================================================


---------- DIFF. PRESSURE SETUP                              (Cont'd)
                Low DP at   4mA................  0
                Low DP at  20mA................  50
                Damping Code...................  0.0 Seconds
                High DP at   4mA...............  0
                High DP at  20mA...............  500
                Damping Code...................  0.0 Seconds
                High DP Select %...............  95
                Low DP Select %................  9
Diff Pressure #3 Low Alarm Limit...............  -2.5
                Hi   Alarm Limit...............  502.5
                Override Value.................  0
                Override Code..................  Avg on fail
                Low DP at   4mA................  0
                Low DP at  20mA................  500
                Damping Code...................  0.0 Seconds
                High DP at   4mA...............  0
                High DP at  20mA...............  500
                Damping Code...................  0.0 Seconds
                High DP Select %...............  0
                Low DP Select %................  0


---------- STATION SG/N2 ETC SETUP
 Station ID....................................  Blackrod
 Flow Low Limit  (Tons/Hr).....................  0
 Flow High Limit (Tons/Hr).....................  858.7809
 Gross Flowrate Full Scale.....................  0
 Mass  Flowrate Full Scale.....................  0
 Run Switch Mode...............................  Manual
 Run Switch Time...............................  0
 Run Switch Threshold Low  %DP.................  0
 Run Switch Threshold High %DP.................  0

---------- METER RUN SETUP
 Meter #1 Meter ID.............................  9741/MTA
          Analysis Selected....................  Product #1
          Analyzer Stream Number...............  3
          Flow Low Limit.......................  0
          Flow High Limit......................  429.3905
          Gross Flow Full Scale................  0
          Mass Flow Full Scale.................  0
          Low Flow Cutoff......................  .45
          Orifice Measured  Dia................  366.3466
          Orifice Reference Temp...............  20
          Orifice Expansion Coef...............  1.600000E-005
          Pipe Measured  Dia...................  730.1738
          Pipe Reference Temp..................  20
          Pipe Expansion Coef..................  1.100000E-005
          Use Downstream Pressure?.............  NO
          Use Upstream Temperature?............  NO
          Orifice Plate Taps...................  Flange Taps
          Transducer Density (Y/N).............  NO
 Meter #2 Meter ID.............................  8171/MTB
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 31
========================================================================

---------- METER RUN SETUP                                    (Cont'd)
        Analysis Selected..................... Product #1
        Analyzer Stream Number................ 1
        Flow Low Limit........................ 0
        Flow High Limit....................... 429.3905
        Gross Flow Full Scale................. 0
        Mass Flow Full Scale.................. 0
        Low Flow Cutoff....................... .45
        Orifice Measured  Dia................. 366.6384
        Orifice Reference Temp................ 19
        Orifice Expansion Coef................ 1.600000E-005
        Pipe Measured  Dia.................... 730.2849
        Pipe Reference Temp................... 20
        Pipe Expansion Coef................... 1.100000E-005
        Use Downstream Pressure?.............. NO
        Use Upstream Temperature?............. NO
        Orifice Plate Taps.................... Flange Taps
        Transducer Density (Y/N).............. NO
 Meter #3 Meter ID.............................
        Analysis Selected..................... Product #1
        Analyzer Stream Number................ 0
        Flow Low Limit........................ 0
        Flow High Limit....................... 0
        Gross Flow Full Scale................. 0
        Mass Flow Full Scale.................. 0
        Low Flow Cutoff....................... 0
        Orifice Measured  Dia................. 0
        Orifice Reference Temp................ 0
        Orifice Expansion Coef................ 0.000000E+000
        Pipe Measured  Dia.................... 0
        Pipe Reference Temp................... 0
        Pipe Expansion Coef................... 0.000000E+000
        Use Downstream Pressure?.............. NO
        Use Upstream Temperature?............. YES
        Orifice Plate Taps.................... Flange Taps
        Transducer Density (Y/N).............. NO


 ---------- FACTOR SETUP & SYS CONSTANTS
 Atmospheric Pressure (absolute)................ 1.01325
 Base Pressure (absolute)....................... 1.01325
 Base Temperature............................... 15
 Density of Air................................. 1.225410
 Flow Average Factor............................ 0
 Alarm Deadband %............................... 2.00
 Roll All Totalizers............................ 9 Digits
 Gross  Totalizer Decimal Places................ 0
 Net    Totalizer Decimal Places................ 0
 Mass   Totalizer Decimal Places................ 0
 Energy Totalizer Decimal Places................ 0
 Select Averaging Method........................ Flow Weighted
 Select Pressure Units.......................... Bar
 Select DP Units................................ Milli Bar
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 32
=========================================================================

---------- FLUID DATA & ANALYSIS
 Prod #1 Fluid Name.............................
         Fluid Type Select (F1=Help)............  Natural Gas
         Viscosity in pa.s......................  .0000117
         Isentropic Exponent....................  1.328646
         AGA-8 Method (F1=Help).................  94 Detailed
         Heating Value Method (F1=Help).........  ISO 6976
         Heating Value MJ/NM3...................  39.854
         Specific Gravity.......................  0.6317
         1994-01 % Methane (CH4)................  88.9096
         1994-02 % Nitrogen (N2)................  1.4097
         1994-03 % Carbon Dioxide (CO2).........  1.6309
         1994-04 % Ethane (C2H6)................  5.6258
         1994-05 % Propane (C3H8)...............  1.7901
         1994-06 % Water (H2O)..................  0.0000
         1994-07 % Hydrogen Sulfide (H2S).......  0.0000
         1994-08 % Hydrogen (H2)................  0.0000
         1994-09 % Carbon Monoxide (CO).........  0.0000
         1994-10 % Oxygen (O2)..................  0.0000
         1994-11 % i-Butane (iC4H10)............  0.1640
         1994-12 % n-Butane (nC4H10)............  0.3014
         1994-13 % i-Pentane (iC5H12)...........  0.0578
         1994-14 % n-Pentane (nC5H12)...........  0.0607
         1994-15 % n-Hexane (C6H14).............  0.0498
         1994-16 % n-Heptane (C7H16)............  0.0000
         1994-17 % n-Octane (C8H16).............  0.0000
         1994-18 % n-Nonane.....................  0.0000
         1994-19 % n-Decane.....................  0.0000
         1994-20 % Helium (He)..................  0.0000
         1994-21 % Argon (Ar)...................  0.0000
 Prod #2 Fluid Name.............................
         Fluid Type Select (F1=Help)............  None Selected
         Reference Density KG/M3................  0
         Viscosity in pa.s......................  0
         Isentropic Exponent....................  0
         Heating Value MJ/NM3...................  39.854
 Prod #3 Fluid Name.............................
         Fluid Type Select (F1=Help)............  None Selected
         Reference Density KG/M3................  0
         Viscosity in pa.s......................  0
         Isentropic Exponent....................  0
         Heating Value MJ/NM3...................  0
 Prod #4 Fluid Name.............................
         Fluid Type Select (F1=Help)............  None Selected
         Reference Density Lb/Ft3...............  0
         Viscosity in Centipoise................  0
         Isentropic Exponent....................  0
         Heating Value Btu/Scf..................  0
```

TABLE B.5 CONFIGURATION DATA REPORT 02/07/2009

```
========================================================================
      CONFIGURATION DATA REPORT : [ BLAO0702.OMI ]

      COMPANY NAME : TRANSCO part of Lattice Group plc
      LOCATION :    Sunny Blackrod
      COMPUTER ID :  62823

      CURRENT DATE : 3-31-2010  TIME : 12:20a
      CONFIGURATION FILE : LAST MODIFIED
      ========================================================================

      ---------- CHECK I/O MODULE CONFIG
       OMNI Flow Computer Model Number................ OMNI 6000
       Number of TYPE A Modules Installed............. 3
       Number of TYPE B Modules Installed............. 0
       Number of TYPE C Modules Installed............. 0
       Number of TYPE E Modules Installed............. 0
       Number of TYPE E/D Modules Installed........... 0
       Number of TYPE H Modules Installed............. 0
       Number of DIGITAL Modules Installed............ 1
       Number of SERIAL  Modules Installed............ 2

      ---------- FLOW COMPUTER TIME & DATE
                      OMNI Time.................... 10:38:44
                      OMNI Date.................... 02/07/09
                      Select Date Type............. dd/mm/yy

      ---------- CONFIG STATION DATA
       Station Totals and Flows Defined As:........... 1+2
       Reference Gravity.I/O Pnt#..................... 0
                      Tag..........................
                      Type......................... 4-20 mA
       Nitrogen %     I/O Pnt#....................... 0
                      Tag..........................
       Carbon Dioxide I/O Pnt#....................... 0
                      Tag..........................
       Heating Value  I/O Pnt#....................... 0
                      Tag..........................
       Auxiliary Input #1 I/O Pnt#................... 0
                      Tag..........................
                      Type......................... DIN Rtd
       Auxiliary Input #2 I/O Pnt#................... 0
                      Tag..........................
                      Type......................... DIN Rtd
       Auxiliary Input #3 I/O Pnt#................... 0
                      Tag..........................
                      Type......................... DIN Rtd
       Auxiliary Input #4 I/O Pnt#................... 0
                      Tag..........................
                      Type......................... DIN Rtd

      ---------- CONFIG METER RUNS
       Meter #1 Select Turbine Y/N................... NO
               DP Low  Range I/O Pnt#............... 3
                              Tag.................... DPLR-1
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823      PAGE : 02
========================================================================

---------- CONFIG METER RUNS                                  (Cont'd)
         DP High Range I/O Pnt#................ 4
                     Tag.................... DPHR-1
         Temp I/O Pnt#......................... 1
                 Tag............................ FT-1
                 Type........................... DIN Rtd
         Pres I/O Pnt#......................... 2
                 Tag............................ FP-1
         Dens I/O Pnt#......................... 0
                 Tag............................
                 Type........................... 4-20 SG
         Dens Temp I/O Pnt#.................... 0
                 Tag............................
                 Type........................... DIN Rtd
         Dens Pres I/O Pnt#.................... 0
                 Tag............................
Meter #2 Select Turbine Y/N.................... NO
         DP Low  Range I/O Pnt#................ 7
                     Tag.................... DPLR-2
         DP High Range I/O Pnt#................ 8
                     Tag.................... DPHR-2
         Temp I/O Pnt#......................... 5
                 Tag............................ FT-2
                 Type........................... DIN Rtd
         Pres I/O Pnt#......................... 6
                 Tag............................ FP-2
         Dens I/O Pnt#......................... 0
                 Tag............................
                 Type........................... 4-20 SG
         Dens Temp I/O Pnt#.................... 0
                 Tag............................
                 Type........................... DIN Rtd
         Dens Pres I/O Pnt#.................... 0
                 Tag............................
Meter #3 Select Turbine Y/N.................... NO
         DP Low  Range I/O Pnt#................ 11
                     Tag.................... DPST-1
         DP High Range I/O Pnt#................ 12
                     Tag.................... DPST-2
         Temp I/O Pnt#......................... 0
                 Tag............................
                 Type........................... DIN Rtd
         Pres I/O Pnt#......................... 0
                 Tag............................
         Dens I/O Pnt#......................... 0
                 Tag............................
                 Type........................... 4-20 SG
         Dens Temp I/O Pnt#.................... 0
                 Tag............................
                 Type........................... DIN Rtd
         Dens Pres I/O Pnt#.................... 0
                 Tag............................
Meter #4 Select Turbine Y/N.................... NO
         DP Low  Range I/O Pnt#................ 0
                     Tag....................
```

```
========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 03
========================================================================

---------- CONFIG METER RUNS                              (Cont'd)
        DP High Range I/O Pnt#................ 0
                    Tag....................
        Temp I/O Pnt#......................... 0
             Tag..............................
             Type............................. DIN Rtd
        Pres I/O Pnt#......................... 0
             Tag..............................
        Dens I/O Pnt#......................... 0
             Tag..............................
             Type............................. 4-20 SG
        Dens Temp I/O Pnt#.................... 0
             Tag..............................
             Type............................. DIN Rtd
        Dens Pres I/O Pnt#.................... 0
             Tag..............................

---------- CONFIG PID LOOPS
Loop #1 Primary Variable Assign................. 0
                    Remark................
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                      Remark..............
                      Action (F/R)........ Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual)............. Last State
        Control Output Tag.....................
Loop #2 Primary Variable Assign................. 0
                    Remark................
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                      Remark..............
                      Action (F/R)........ Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual)............. Last State
        Control Output Tag.....................
Loop #3 Primary Variable Assign................. 0
                    Remark................
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                      Remark..............
                      Action (F/R)........ Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual)............. Last State
        Control Output Tag.....................
Loop #4 Primary Variable Assign................. 0
                    Remark................
                    Action (F/R).......... Forward
        Remote Set Pt I/O Pnt#................. 0
        Secondary Variable Assign.............. 0
                      Remark..............
```

```
=========================================================================
CONFIGURATION DATA REPORT       COMPUTER ID : 62823        PAGE : 04
=========================================================================

---------- CONFIG PID LOOPS                              (Cont'd)
                        Action (F/R)......... Forward
        Error Select (Low/High)................ Low
        Startup Mode (Last/Manual).............. Last State
        Control Output Tag......................

---------- CONFIG D/A OUT
        D/A Output #01 Assign.................... 7802
                        Remarks.................. Station scm/hr
                        @  4 ma.................. 0
                        @ 20 ma.................. 1109405
        D/A Output #02 Assign.................... 7044
                        Remarks.................. Odorant scm/hr
                        @  4 ma.................. 0
                        @ 20 ma.................. 1109405
        D/A Output #03 Assign.................... 0
                        Remarks..................
                        @  4 ma.................. 0
                        @ 20 ma.................. 0
        D/A Output #04 Assign.................... 0
                        Remarks..................
                        @  4 ma.................. 0
                        @ 20 ma.................. 0
        D/A Output #05 Assign.................... 0
                        Remarks..................
                        @  4 ma.................. 0
                        @ 20 ma.................. 0
        D/A Output #06 Assign.................... 0
                        Remarks..................
                        @  4 ma.................. 0
                        @ 20 ma.................. 0

---------- CONFIG FRONT PANEL COUNTERS
    Front Panel Counter A Assign................ 1802
                        Remark............... Stream 1 st vol
                        Pulses/Unit........... .001
    Front Panel Counter B Assign................ 1804
                        Remark............... Stream 1 ene flo
                        Pulses/Unit........... .01
    Front Panel Counter C Assign................ 0
                        Remark...............
                        Pulses/Unit........... 0

---------- CONFIGURE BOOLEAN STATEMENTS
                        Boolean #1025 =........ 1811
                            Remarks........ Hi flow alrm
                        Boolean #1026 =........ /1829+1837
                            Remarks........ Power/EPROM fail
                        Boolean #1027 =........ 7054+7055
                            Remarks........ RD alarm
                        Boolean #1028 =........ 1125+1126
                            Remarks........ 1. L/H T alrm
```

```
========================================================================
CONFIGURATION DATA REPORT       COMPUTER ID : 62823        PAGE : 05
========================================================================

---------- CONFIGURE BOOLEAN STATEMENTS                    (Cont'd)
                 Boolean #1029 =........  1129+1130
                        Remarks........  1. L/H P alrm
                 Boolean #1030 =........  1141+1142
                        Remarks........  1. L/H DP alarm
                 Boolean #1031 =........  1341+1342
                        Remarks........  1. L/H STBY alrm
                 Boolean #1032 =........  7035&1152
                        Remarks........  1. LDP OutOfTol
                 Boolean #1033 =........  7036&1153
                        Remarks........  1. HDP OutOfTol
                 Boolean #1034 =........  7048+7049
                        Remarks........  1. Density alrm
                 Boolean #1035 =........
                        Remarks........
                 Boolean #1036 =........  1225+1226
                        Remarks........  2. L/H T alrm
                 Boolean #1037 =........  1229+1230
                        Remarks........  2. L/H P alrm
                 Boolean #1038 =........  1241+1242
                        Remarks........  2. L/H DP alrm
                 Boolean #1039 =........  1341+1342
                        Remarks........  2. L/H STDP alrm
                 Boolean #1040 =........  7041&1252
                        Remarks........  2. LDP OutOfTol
                 Boolean #1041 =........  7042&1253
                        Remarks........  2. HDP OutOfTol
                 Boolean #1042 =........  7051+7052
                        Remarks........  2. Density
                 Boolean #1043 =........
                        Remarks........
                 Boolean #1044 =........  1025+1026+1027
                        Remarks........  General
                 Boolean #1045 =........  1028+1029+1030
                        Remarks........  1.
                 Boolean #1046 =........  1031+1032+1033
                        Remarks........  1.
                 Boolean #1047 =........  1034
                        Remarks........  1.
                 Boolean #1048 =........  1036+1037+1038
                        Remarks........  2.
                 Boolean #1049 =........  1039+1040+1041
                        Remarks........  2.
                 Boolean #1050 =........  1042
                        Remarks........  2.
                 Boolean #1051 =........  1045+1046+1047
                        Remarks........  1. Combined
                 Boolean #1052 =........  1048+1049+1050
                        Remarks........  2. Combined
                 Boolean #1053 =........  1051&1105
                        Remarks........  1. in use?
                 Boolean #1054 =........  1052&1205
                        Remarks........  2. in use?
                 Boolean #1055 =........  1044+1053+1054
                        Remarks........  Meter Suspect
```

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========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 06
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---------- CONFIGURE BOOLEAN STATEMENTS                    (Cont'd)
                    Boolean #1056 =........
                            Remarks........
                    Boolean #1057 =........  1088=1070
                            Remarks........  Maintenance
                    Boolean #1058 =........  1087=1055
                            Remarks........  Meter Suspect
                    Boolean #1059 =........  1086=1027
                            Remarks........  RD error
                    Boolean #1060 =........  1085=1034
                            Remarks........  1. Density error
                    Boolean #1061 =........  1084=1032
                            Remarks........  1. Low DP error
                    Boolean #1062 =........  1083=1033
                            Remarks........  1. High DP error
                    Boolean #1063 =........  1082=1042
                            Remarks........  2. Density error
                    Boolean #1064 =........  1081=1040
                            Remarks........  2. Low DP error
                    Boolean #1065 =........  1080=1041
                            Remarks........  2. High DP error
                    Boolean #1066 =........
                            Remarks........
                    Boolean #1067 =........
                            Remarks........
                    Boolean #1068 =........
                            Remarks........
                    Boolean #1069 =........  /1105&/1205
                            Remarks........  No flow if = 1
                    Boolean #1070 =........  7025
                            Remarks........  Maintenance mode
                    Boolean #1071 =........  1027
                            Remarks........  Spare
                    Boolean #1072 =........  /1055
                            Remarks........  Invert met susp
                    Boolean #1073 =........  1736=/1105
                            Remarks........  1.Disable flow
                    Boolean #1074 =........  1737=/1205
                            Remarks........  2. Disable flow
                    Boolean #1075 =........
                            Remarks........  Den #3 alarm
                    Boolean #1076 =........
                            Remarks........  Den #4 alarm
                    Boolean #1077 =........
                            Remarks........
                    Boolean #1078 =........
                            Remarks........
                    Boolean #1079 =........
                            Remarks........
                    Boolean #1080 =........  M2 HDP OutOfTol
                            Remarks........
                    Boolean #1081 =........  M2 LDP OutOfTol
                            Remarks........
                    Boolean #1082 =........  M2 Den OutOfTol
                            Remarks........
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823      PAGE : 07
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---------- CONFIGURE BOOLEAN STATEMENTS                     (Cont'd)
                    Boolean #1083 =........ M1 HDP OutOfTol
                            Remarks........
                    Boolean #1084 =........ M1 LDP OutOfTol
                            Remarks........
                    Boolean #1085 =........ M1 Den OutOfTol
                            Remarks........
                    Boolean #1086 =........ RD OutOfTol
                            Remarks........
                    Boolean #1087 =........ Meter Suspect
                            Remarks........
                    Boolean #1088 =........ Maintenance
                            Remarks........

---------- CONFIGURE VARIABLE STATEMENTS
                    Statement #7025 =........ Main:-1=Off,1=On
                            Remarks........
                    Statement #7026 =........ LGT Fix Output %
                            Remarks........
                    Statement #7027 =........ LGT lo flo inj %
                            Remarks........
                    Statement #7028 =........ #5.0
                            Remarks........ Enter DP tol
                    Statement #7029 =........ #5.0-7028
                            Remarks........ DP tol >5.0?
                    Statement #7030 =........ 7029)7028=#5.0
                            Remarks........ Set min DPtol
                    Statement #7031 =........ 8596+8795
                            Remarks........ 1.Sum hi cells
                    Statement #7032 =........ 7031/#2
                            Remarks........ 1.Average hi
                    Statement #7033 =........ 7032-8595
                            Remarks........ 1.Diff av H + L
                    Statement #7034 =........ 8596-8795
                            Remarks........ 1.Diff H + STBY
                    Statement #7035 =........ $7033-7028
                            Remarks........ 1.LDP OutOfTol
                    Statement #7036 =........ $7034-7028
                            Remarks........ 1.HDP OutOfTol
                    Statement #7037 =........ 8696+8796
                            Remarks........ 2.Sum hi cells
                    Statement #7038 =........ 7037/#2
                            Remarks........ 2.Average hi
                    Statement #7039 =........ 7038-8695
                            Remarks........ 2.Diff av H + L
                    Statement #7040 =........ 8696-8796
                            Remarks........ 2.Diff H + STBY
                    Statement #7041 =........ $7039-7028
                            Remarks........ 2.LDP OutOfTol
                    Statement #7042 =........ $7040-7028
                            Remarks........ 2.HDP OutOfTol
                    Statement #7043 =........
                            Remarks........
                    Statement #7044 =........ 7802
```

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========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823      PAGE : 08
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---------- CONFIGURE VARIABLE STATEMENTS                    (Cont'd)
                        Remarks........    Set odour flow
                Statement #7045 =........   1069)7044=7085
                        Remarks........    LGT-low flow
                Statement #7046 =........   1055)7044=7086
                        Remarks........    LGT-Met Susp
                Statement #7047 =........   7025)7044=7087
                        Remarks........    LGT-fix flow
                Statement #7048 =........   7107-#80
                        Remarks........    1. Hi den?
                Statement #7049 =........   #24-7107
                        Remarks........    1. Low den?
                Statement #7050 =........
                        Remarks........
                Statement #7051 =........   7207-#80
                        Remarks........    2. Hi den?
                Statement #7052 =........   #24-7207
                        Remarks........    2. Low den?
                Statement #7053 =........
                        Remarks........
                Statement #7054 =........   7141-#0.7
                        Remarks........    RD hi?
                Statement #7055 =........   #0.5-7141
                        Remarks........    RD low?
                Statement #7056 =........
                        Remarks........
                Statement #7057 =........
                        Remarks........
                Statement #7058 =........   7854=7138*17002
                        Remarks........    St mass fl limit
                Statement #7059 =........   7854=7854/#1000
                        Remarks........    Convert to ton/h
                Statement #7060 =........   7162=7854/#2
                        Remarks........    1. Mass flow lim
                Statement #7061 =........   7262=7854/#2
                        Remarks........    2. Mass flow lim
                Statement #7062 =........   7151=#.0009*7158
                        Remarks........    1.Set DP cutoff
                Statement #7063 =........   7251=#.0009*7258
                        Remarks........    2.Set DP cutoff
                Statement #7064 =........
                        Remarks........
                Statement #7065 =........
                        Remarks........
                Statement #7066 =........
                        Remarks........
                Statement #7067 =........   7802*#0.000024
                        Remarks........    St vol MSCM/D
                Statement #7068 =........   7804*#0.024
                        Remarks........    St. energy MMJ/D
                Statement #7069 =........   7802/17002*#100
                        Remarks........    %Max flow
                Statement #7070 =........   17002*#0.000024
                        Remarks........    Max vol MSCM/D
                Statement #7071 =........   7070*#44
```

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CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 09
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---------- CONFIGURE VARIABLE STATEMENTS                    (Cont'd)
                           Remarks........  Max energy MMJ/D
                Statement #7072 =........  7068/7071*#100
                           Remarks........  %Energy for tele
                Statement #7073 =........  7044/17004*#100
                           Remarks........  %Odour
                Statement #7074 =........
                           Remarks........
                Statement #7075 =........
                           Remarks........
                Statement #7076 =........  17049=17025
                           Remarks........  Set counter A
                Statement #7077 =........  17050=#10*17049
                           Remarks........  Set counter B
                Statement #7078 =........  7152=7158/#-200
                           Remarks........  1. DP low limit
                Statement #7079 =........  7153=7158+$7152
                           Remarks........  1. DP hi limit
                Statement #7080 =........  7252=7258/#-200
                           Remarks........  2. DP low limit
                Statement #7081 =........  7253=7258+$7252
                           Remarks........  2. DP hi limit
                Statement #7082 =........  7352=7358/#-200
                           Remarks........  3. DP low limit
                Statement #7083 =........  7353=7358+$7352
                           Remarks........  3. DP hi limit
                Statement #7084 =........
                           Remarks........
                Statement #7085 =........  7027/#100*17004
                           Remarks........  LGT low flow inj
                Statement #7086 =........  /1055)7086=7044
                           Remarks........  Store LGT output
                Statement #7087 =........  7026/#100*17004
                           Remarks........  LGT fix flow
                Statement #7088 =........
                           Remarks........

     ---------- CONFIG USER DISPLAYS
       User Display Number 1  Key Press.............  F
             1st Variable  Tag...................  MSCM/D
                           Point #...............  7067
                           Dec. Places...........  6
             2nd Variable  Tag...................  MMJ/D
                           Point #...............  7068
                           Dec. Places...........  6
             3rd Variable  Tag...................  %Max flw
                           Point #...............  7069
                           Dec. Places...........  2
             4th Variable  Tag...................  %Odour
                           Point #...............  7073
                           Dec. Places...........  2
       User Display Number 2  Key Press.............  IO
             1st Variable  Tag...................  RD
                           Point #...............  7141
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 10
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---------- CONFIG USER DISPLAYS                              (Cont'd)
                        Dec. Places........... 7
            2nd Variable  Tag.................. Ref den
                        Point #.............. 7138
                        Dec. Places........... 7
            3rd Variable  Tag.................. Density
                        Point #.............. 7107
                        Dec. Places........... 7
            4th Variable  Tag.................. CV
                        Point #.............. 7142
                        Dec. Places........... 7
  User Display Number 3 Key Press............. IP
            1st Variable  Tag.................. RD
                        Point #.............. 7241
                        Dec. Places........... 7
            2nd Variable  Tag.................. Ref den
                        Point #.............. 7238
                        Dec. Places........... 7
            3rd Variable  Tag.................. Density
                        Point #.............. 7207
                        Dec. Places........... 7
            4th Variable  Tag.................. CV
                        Point #.............. 7242
                        Dec. Places........... 7
  User Display Number 4 Key Press............. VER
            1st Variable  Tag.................. O2_71_V2
                        Point #.............. 0
                        Dec. Places........... 0
            2nd Variable  Tag.................. LGTcutof
                        Point #.............. 7027
                        Dec. Places........... 2
            3rd Variable  Tag.................. 25/08/98
                        Point #.............. 0
                        Dec. Places........... 0
            4th Variable  Tag..................
                        Point #.............. 0
                        Dec. Places........... 0
  User Display Number 5 Key Press............. FO
            1st Variable  Tag.................. acmh
                        Point #.............. 7101
                        Dec. Places........... 3
            2nd Variable  Tag.................. scmh
                        Point #.............. 7102
                        Dec. Places........... 3
            3rd Variable  Tag.................. tons/hr
                        Point #.............. 7103
                        Dec. Places........... 7
            4th Variable  Tag.................. GJ/hr
                        Point #.............. 7104
                        Dec. Places........... 3
  User Display Number 6 Key Press............. FP
            1st Variable  Tag.................. acmh
                        Point #.............. 7201
                        Dec. Places........... 3
            2nd Variable  Tag.................. scmh
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 11
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---------- CONFIG USER DISPLAYS                              (Cont'd)
                      Point #................ 7202
                      Dec. Places........... 3
          3rd Variable Tag................... tons/hr
                      Point #............... 7203
                      Dec. Places........... 7
          4th Variable Tag................... GJ/hr
                      Point #............... 7204
                      Dec. Places........... 3
   User Display Number 7 Key Press............. DPO
          1st Variable Tag................... Low DP
                      Point #............... 8595
                      Dec. Places........... 4
          2nd Variable Tag................... High DP
                      Point #............... 8596
                      Dec. Places........... 4
          3rd Variable Tag................... Standby
                      Point #............... 8795
                      Dec. Places........... 4
          4th Variable Tag................... Average
                      Point #............... 7032
                      Dec. Places........... 4
   User Display Number 8 Key Press............. DPP
          1st Variable Tag................... Low DP
                      Point #............... 8695
                      Dec. Places........... 4
          2nd Variable Tag................... High DP
                      Point #............... 8696
                      Dec. Places........... 4
          3rd Variable Tag................... Standby
                      Point #............... 8796
                      Dec. Places........... 4
          4th Variable Tag................... Average
                      Point #............... 7038
                      Dec. Places........... 4

---------- CONFIG DIGITAL I/O
      Digital Point #1 Assign.................. 1802
                      Remarks................ Integ St Vol.
                      Pulse Width............ 20
                      Pulses/Unit............ .001
      Digital Point #2 Assign.................. 1072
                      Remarks................ Meter Suspect
                      Delay On............... 10
                      Delay Off.............. 10
      Digital Point #3 Assign.................. 0
                      Remarks................
                      Delay On............... 0
                      Delay Off.............. 0
      Digital Point #4 Assign.................. 0
                      Remarks................
                      Delay On............... 0
                      Delay Off.............. 0
      Digital Point #5 Assign.................. 0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 12
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---------- CONFIG DIGITAL I/O                                  (Cont'd)
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #6 Assign.................  0
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #7 Assign.................  0
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #8 Assign.................  0
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #9 Assign.................  0
                    Remarks.................
                    Delay On...............  0
                    Delay Off..............  0
        Digital Point #10 Assign.................  0
                      Remarks...............
                      Delay On..............  0
                      Delay Off.............  0
        Digital Point #11 Assign.................  0
                      Remarks...............
                      Delay On..............  0
                      Delay Off.............  0
        Digital Point #12 Assign.................  0
                      Remarks...............
                      Delay On.............  0
                      Delay Off............  0


---------- CONFIG SERIAL I/O
        Serial I/O #1 Baud Rate.................. 9600
                      Stop Bits.................. 1 Bit
                      Data Bits.................. 8
                      Parity.....................None
                      Xmit Key Delay............. 0ms
                      Port Type.................. Printer
        Serial I/O #2 Baud Rate.................. 9600
                      Stop Bits.................. 1 Bit
                      Data Bits.................. 8
                      Parity.....................None
                      Xmit Key Delay............. 0ms
                      Protocol Type.............. Modbus RTU(Modem)
                      Modbus ID.................. 1
                      Modicon Compatible......... NO
                      CRC Enabled................ YES
        Serial I/O #3 Baud Rate.................. 9600
                      Stop Bits.................. 1 Bit
                      Data Bits.................. 8
                      Parity.....................None
                      Xmit Key Delay............. 0ms
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 13
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---------- CONFIG SERIAL I/O                                  (Cont'd)
                  Protocol Type.............. Modbus ASCII
                  Modbus ID................. 1
                  Modicon Compatible........ YES
                  CRC Enabled............... YES
        Serial I/O #4 Baud Rate................. 9600
                  Stop Bits................. 1 Bit
                  Data Bits................. 8
                  Parity.................... None
                  Xmit Key Delay............ 0ms
                  Protocol Type............. Modbus RTU
                  Modbus ID................. 0
                  Modicon Compatible........ YES
                  CRC Enabled............... YES


---------- MODBUS PEER/PEER COMMUNICATIONS
                  Activate Redundancy Mode.......... NO
                  Next Master in Sequence........... 0
                  Last Master in Sequence........... 0
                  Retry Timer (50 mS Ticks)......... 0
        Transaction #1 Target Slave ID............ 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
        Transaction #2 Target Slave ID............ 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
        Transaction #3 Target Slave ID............ 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
        Transaction #4 Target Slave ID............ 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
        Transaction #5 Target Slave ID............ 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
        Transaction #6 Target Slave ID............ 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
                  Dest. Point #............. 0
        Transaction #7 Target Slave ID............ 0
                  Read/Write ?.............. Read
                  Source Index #............ 0
                  # of Points............... 0
```

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=======================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823       PAGE : 14
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---------- MODBUS PEER/PEER COMMUNICATIONS                    (Cont'd)
                   Dest. Point #............. 0
     Transaction #8 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points.............. 0
                   Dest. Point #............. 0
     Transaction #9 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points.............. 0
                   Dest. Point #............. 0
    Transaction #10 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points.............. 0
                   Dest. Point #............. 0
    Transaction #11 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points.............. 0
                   Dest. Point #............. 0
    Transaction #12 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points.............. 0
                   Dest. Point #............. 0
    Transaction #13 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points.............. 0
                   Dest. Point #............. 0
    Transaction #14 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points.............. 0
                   Dest. Point #............. 0
    Transaction #15 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points.............. 0
                   Dest. Point #............. 0
    Transaction #16 Target Slave ID........... 0
                   Read/Write ?.............. Read
                   Source Index #............ 0
                   # of Points.............. 0
                   Dest. Point #............. 0

---------- CUSTOM MODBUS PACKET(ADDR:001)
           Packet #01 Pnt.#................. 0
                      # of Points........... 0
           Packet #02 Pnt.#................. 0
                      # of Points........... 0
           Packet #03 Pnt.#................. 0
```

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========================================================================
CONFIGURATION DATA REPORT       COMPUTER ID : 62823       PAGE : 15
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---------- CUSTOM MODBUS PACKET(ADDR:001)                    (Cont'd)
                      # of Points............  0
              Packet #04 Pnt.#..................  0
                      # of Points............  0
              Packet #05 Pnt.#..................  0
                      # of Points............  0
              Packet #06 Pnt.#..................  0
                      # of Points............  0
              Packet #07 Pnt.#..................  0
                      # of Points............  0
              Packet #08 Pnt.#..................  0
                      # of Points............  0
              Packet #09 Pnt.#..................  0
                      # of Points............  0
              Packet #10 Pnt.#..................  0
                      # of Points............  0
              Packet #11 Pnt.#..................  0
                      # of Points............  0
              Packet #12 Pnt.#..................  0
                      # of Points............  0
              Packet #13 Pnt.#..................  0
                      # of Points............  0
              Packet #14 Pnt.#..................  0
                      # of Points............  0
              Packet #15 Pnt.#..................  0
                      # of Points............  0
              Packet #16 Pnt.#..................  0
                      # of Points............  0
              Packet #17 Pnt.#..................  0
                      # of Points............  0
              Packet #18 Pnt.#..................  0
                      # of Points............  0
              Packet #19 Pnt.#..................  0
                      # of Points............  0
              Packet #20 Pnt.#..................  0
                      # of Points............  0


---------- CUSTOM MODBUS PACKET(ADDR:201)
              Packet #01 Pnt.#..................  0
                      # of Points............  0
              Packet #02 Pnt.#..................  0
                      # of Points............  0
              Packet #03 Pnt.#..................  0
                      # of Points............  0
              Packet #04 Pnt.#..................  0
                      # of Points............  0
              Packet #05 Pnt.#..................  0
                      # of Points............  0
              Packet #06 Pnt.#..................  0
                      # of Points............  0
              Packet #07 Pnt.#..................  0
                      # of Points............  0
              Packet #08 Pnt.#..................  0
                      # of Points............  0
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 16
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---------- CUSTOM MODBUS PACKET(ADDR:401)
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
            Packet #06 Pnt.#.................  0
                       # of Points...........  0
            Packet #07 Pnt.#.................  0
                       # of Points...........  0
            Packet #08 Pnt.#.................  0
                       # of Points...........  0
            Packet #09 Pnt.#.................  0
                       # of Points...........  0
            Packet #10 Pnt.#.................  0
                       # of Points...........  0
            Packet #11 Pnt.#.................  0
                       # of Points...........  0
            Packet #12 Pnt.#.................  0
                       # of Points...........  0
            Packet #13 Pnt.#.................  0
                       # of Points...........  0
            Packet #14 Pnt.#.................  0
                       # of Points...........  0
            Packet #15 Pnt.#.................  0
                       # of Points...........  0
            Packet #16 Pnt.#.................  0
                       # of Points...........  0
            Packet #17 Pnt.#.................  0
                       # of Points...........  0
            Packet #18 Pnt.#.................  0
                       # of Points...........  0
            Packet #19 Pnt.#.................  0
                       # of Points...........  0
            Packet #20 Pnt.#.................  0
                       # of Points...........  0


---------- ARCHIVE 701 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                       # of Points...........  0
            Packet #02 Pnt.#.................  0
                       # of Points...........  0
            Packet #03 Pnt.#.................  0
                       # of Points...........  0
            Packet #04 Pnt.#.................  0
                       # of Points...........  0
            Packet #05 Pnt.#.................  0
                       # of Points...........  0
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 17
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---------- ARCHIVE 701 - RECORD DEFINITION                    (Cont'd)
            Packet #06 Pnt.#..................  0
                       # of Points...........  0
            Packet #07 Pnt.#..................  0
                       # of Points...........  0
            Packet #08 Pnt.#..................  0
                       # of Points...........  0
            Packet #09 Pnt.#..................  0
                       # of Points...........  0
            Packet #10 Pnt.#..................  0
                       # of Points...........  0
            Packet #11 Pnt.#..................  0
                       # of Points...........  0
            Packet #12 Pnt.#..................  0
                       # of Points...........  0
            Packet #13 Pnt.#..................  0
                       # of Points...........  0
            Packet #14 Pnt.#..................  0
                       # of Points...........  0
            Packet #15 Pnt.#..................  0
                       # of Points...........  0
            Packet #16 Pnt.#..................  0
                       # of Points...........  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 702 - RECORD DEFINITION
            Packet #01 Pnt.#..................  0
                       # of Points...........  0
            Packet #02 Pnt.#..................  0
                       # of Points...........  0
            Packet #03 Pnt.#..................  0
                       # of Points...........  0
            Packet #04 Pnt.#..................  0
                       # of Points...........  0
            Packet #05 Pnt.#..................  0
                       # of Points...........  0
            Packet #06 Pnt.#..................  0
                       # of Points...........  0
            Packet #07 Pnt.#..................  0
                       # of Points...........  0
            Packet #08 Pnt.#..................  0
                       # of Points...........  0
            Packet #09 Pnt.#..................  0
                       # of Points...........  0
            Packet #10 Pnt.#..................  0
                       # of Points...........  0
            Packet #11 Pnt.#..................  0
                       # of Points...........  0
            Packet #12 Pnt.#..................  0
                       # of Points...........  0
            Packet #13 Pnt.#..................  0
                       # of Points...........  0
            Packet #14 Pnt.#..................  0
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 18
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---------- ARCHIVE 702 - RECORD DEFINITION                   (Cont'd)
                    # of Points............  0
            Packet #15 Pnt.#..................  0
                    # of Points............  0
            Packet #16 Pnt.#..................  0
                    # of Points............  0
            Max Records......................  0
            Archive Boolean Trigger...........  0

---------- ARCHIVE 703 - RECORD DEFINITION
            Packet #01 Pnt.#..................  0
                    # of Points............  0
            Packet #02 Pnt.#..................  0
                    # of Points............  0
            Packet #03 Pnt.#..................  0
                    # of Points............  0
            Packet #04 Pnt.#..................  0
                    # of Points............  0
            Packet #05 Pnt.#..................  0
                    # of Points............  0
            Packet #06 Pnt.#..................  0
                    # of Points............  0
            Packet #07 Pnt.#..................  0
                    # of Points............  0
            Packet #08 Pnt.#..................  0
                    # of Points............  0
            Packet #09 Pnt.#..................  0
                    # of Points............  0
            Packet #10 Pnt.#..................  0
                    # of Points............  0
            Packet #11 Pnt.#..................  0
                    # of Points............  0
            Packet #12 Pnt.#..................  0
                    # of Points............  0
            Packet #13 Pnt.#..................  0
                    # of Points............  0
            Packet #14 Pnt.#..................  0
                    # of Points............  0
            Packet #15 Pnt.#..................  0
                    # of Points............  0
            Packet #16 Pnt.#..................  0
                    # of Points............  0
            Max Records......................  0
            Archive Boolean Trigger...........  0

---------- ARCHIVE 704 - RECORD DEFINITION
            Packet #01 Pnt.#..................  0
                    # of Points............  0
            Packet #02 Pnt.#..................  0
                    # of Points............  0
            Packet #03 Pnt.#..................  0
                    # of Points............  0
            Packet #04 Pnt.#..................  0
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 19
=========================================================================

---------- ARCHIVE 704 - RECORD DEFINITION                    (Cont'd)
                    # of Points............  0
            Packet #05 Pnt.#.................  0
                    # of Points............  0
            Packet #06 Pnt.#.................  0
                    # of Points............  0
            Packet #07 Pnt.#.................  0
                    # of Points............  0
            Packet #08 Pnt.#.................  0
                    # of Points............  0
            Packet #09 Pnt.#.................  0
                    # of Points............  0
            Packet #10 Pnt.#.................  0
                    # of Points............  0
            Packet #11 Pnt.#.................  0
                    # of Points............  0
            Packet #12 Pnt.#.................  0
                    # of Points............  0
            Packet #13 Pnt.#.................  0
                    # of Points............  0
            Packet #14 Pnt.#.................  0
                    # of Points............  0
            Packet #15 Pnt.#.................  0
                    # of Points............  0
            Packet #16 Pnt.#.................  0
                    # of Points............  0
            Max Records.....................  0
            Archive Boolean Trigger..........  0

---------- ARCHIVE 705 - RECORD DEFINITION
            Packet #01 Pnt.#.................  0
                    # of Points............  0
            Packet #02 Pnt.#.................  0
                    # of Points............  0
            Packet #03 Pnt.#.................  0
                    # of Points............  0
            Packet #04 Pnt.#.................  0
                    # of Points............  0
            Packet #05 Pnt.#.................  0
                    # of Points............  0
            Packet #06 Pnt.#.................  0
                    # of Points............  0
            Packet #07 Pnt.#.................  0
                    # of Points............  0
            Packet #08 Pnt.#.................  0
                    # of Points............  0
            Packet #09 Pnt.#.................  0
                    # of Points............  0
            Packet #10 Pnt.#.................  0
                    # of Points............  0
            Packet #11 Pnt.#.................  0
                    # of Points............  0
            Packet #12 Pnt.#.................  0
                    # of Points............  0
```

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========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 20
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---------- ARCHIVE 705 - RECORD DEFINITION                   (Cont'd)
           Packet #13 Pnt.#.................  0
                      # of Points...........  0
           Packet #14 Pnt.#.................  0
                      # of Points...........  0
           Packet #15 Pnt.#.................  0
                      # of Points...........  0
           Packet #16 Pnt.#.................  0
                      # of Points...........  0
           Max Records......................  0
           Archive Boolean Trigger..........  0

---------- ARCHIVE 706 - RECORD DEFINITION
           Packet #01 Pnt.#.................  0
                      # of Points...........  0
           Packet #02 Pnt.#.................  0
                      # of Points...........  0
           Packet #03 Pnt.#.................  0
                      # of Points...........  0
           Packet #04 Pnt.#.................  0
                      # of Points...........  0
           Packet #05 Pnt.#.................  0
                      # of Points...........  0
           Packet #06 Pnt.#.................  0
                      # of Points...........  0
           Packet #07 Pnt.#.................  0
                      # of Points...........  0
           Packet #08 Pnt.#.................  0
                      # of Points...........  0
           Packet #09 Pnt.#.................  0
                      # of Points...........  0
           Packet #10 Pnt.#.................  0
                      # of Points...........  0
           Packet #11 Pnt.#.................  0
                      # of Points...........  0
           Packet #12 Pnt.#.................  0
                      # of Points...........  0
           Packet #13 Pnt.#.................  0
                      # of Points...........  0
           Packet #14 Pnt.#.................  0
                      # of Points...........  0
           Packet #15 Pnt.#.................  0
                      # of Points...........  0
           Packet #16 Pnt.#.................  0
                      # of Points...........  0
           Max Records......................  0
           Archive Boolean Trigger..........  0

---------- ARCHIVE 707 - RECORD DEFINITION
           Packet #01 Pnt.#.................  0
                      # of Points...........  0
           Packet #02 Pnt.#.................  0
                      # of Points...........  0
```

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========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 21
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---------- ARCHIVE 707 - RECORD DEFINITION                  (Cont'd)
             Packet #03 Pnt.#.................  0
                        # of Points...........  0
             Packet #04 Pnt.#.................  0
                        # of Points...........  0
             Packet #05 Pnt.#.................  0
                        # of Points...........  0
             Packet #06 Pnt.#.................  0
                        # of Points...........  0
             Packet #07 Pnt.#.................  0
                        # of Points...........  0
             Packet #08 Pnt.#.................  0
                        # of Points...........  0
             Packet #09 Pnt.#.................  0
                        # of Points...........  0
             Packet #10 Pnt.#.................  0
                        # of Points...........  0
             Packet #11 Pnt.#.................  0
                        # of Points...........  0
             Packet #12 Pnt.#.................  0
                        # of Points...........  0
             Packet #13 Pnt.#.................  0
                        # of Points...........  0
             Packet #14 Pnt.#.................  0
                        # of Points...........  0
             Packet #15 Pnt.#.................  0
                        # of Points...........  0
             Packet #16 Pnt.#.................  0
                        # of Points...........  0
             Max Records.....................  0
             Archive Boolean Trigger..........  0

---------- ARCHIVE 708 - RECORD DEFINITION
             Packet #01 Pnt.#.................  0
                        # of Points...........  0
             Packet #02 Pnt.#.................  0
                        # of Points...........  0
             Packet #03 Pnt.#.................  0
                        # of Points...........  0
             Packet #04 Pnt.#.................  0
                        # of Points...........  0
             Packet #05 Pnt.#.................  0
                        # of Points...........  0
             Packet #06 Pnt.#.................  0
                        # of Points...........  0
             Packet #07 Pnt.#.................  0
                        # of Points...........  0
             Packet #08 Pnt.#.................  0
                        # of Points...........  0
             Packet #09 Pnt.#.................  0
                        # of Points...........  0
             Packet #10 Pnt.#.................  0
                        # of Points...........  0
             Packet #11 Pnt.#.................  0
```

```
=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823         PAGE : 22
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---------- ARCHIVE 708 - RECORD DEFINITION                    (Cont'd)
                         # of Points............  0
                Packet #12 Pnt.#..................  0
                         # of Points............  0
                Packet #13 Pnt.#..................  0
                         # of Points............  0
                Packet #14 Pnt.#..................  0
                         # of Points............  0
                Packet #15 Pnt.#..................  0
                         # of Points............  0
                Packet #16 Pnt.#..................  0
                         # of Points............  0
                Max Records......................  0
                Archive Boolean Trigger...........  0


---------- ARCHIVE 709 - RECORD DEFINITION
                Packet #01 Pnt.#..................  0
                         # of Points............  0
                Packet #02 Pnt.#..................  0
                         # of Points............  0
                Packet #03 Pnt.#..................  0
                         # of Points............  0
                Packet #04 Pnt.#..................  0
                         # of Points............  0
                Packet #05 Pnt.#..................  0
                         # of Points............  0
                Packet #06 Pnt.#..................  0
                         # of Points............  0
                Packet #07 Pnt.#..................  0
                         # of Points............  0
                Packet #08 Pnt.#..................  0
                         # of Points............  0
                Packet #09 Pnt.#..................  0
                         # of Points............  0
                Packet #10 Pnt.#..................  0
                         # of Points............  0
                Packet #11 Pnt.#..................  0
                         # of Points............  0
                Packet #12 Pnt.#..................  0
                         # of Points............  0
                Packet #13 Pnt.#..................  0
                         # of Points............  0
                Packet #14 Pnt.#..................  0
                         # of Points............  0
                Packet #15 Pnt.#..................  0
                         # of Points............  0
                Packet #16 Pnt.#..................  0
                         # of Points............  0
                Max Records......................  0
                Archive Boolean Trigger...........  0
```

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=========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 23
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---------- ARCHIVE 710 - RECORD DEFINITION
                Packet #01 Pnt.#..................  0
                           # of Points...........  0
                Packet #02 Pnt.#..................  0
                           # of Points...........  0
                Packet #03 Pnt.#..................  0
                           # of Points...........  0
                Packet #04 Pnt.#..................  0
                           # of Points...........  0
                Packet #05 Pnt.#..................  0
                           # of Points...........  0
                Packet #06 Pnt.#..................  0
                           # of Points...........  0
                Packet #07 Pnt.#..................  0
                           # of Points...........  0
                Packet #08 Pnt.#..................  0
                           # of Points...........  0
                Packet #09 Pnt.#..................  0
                           # of Points...........  0
                Packet #10 Pnt.#..................  0
                           # of Points...........  0
                Packet #11 Pnt.#..................  0
                           # of Points...........  0
                Packet #12 Pnt.#..................  0
                           # of Points...........  0
                Packet #13 Pnt.#..................  0
                           # of Points...........  0
                Packet #14 Pnt.#..................  0
                           # of Points...........  0
                Packet #15 Pnt.#..................  0
                           # of Points...........  0
                Packet #16 Pnt.#..................  0
                           # of Points...........  0
                Max Records......................  0
                Archive Boolean Trigger..........  0


---------- CONFIG AB PLC BLOCK#1 READ
      Start Address of Data Block #1..............  9
        Item  #1 Source Point #..................  8
                 # of Points...................  10
        Item  #2 Source Point #..................  11
                 # of Points...................  2
        Item  #3 Source Point #..................  0
                 # of Points...................  0
        Item  #4 Source Point #..................  0
                 # of Points...................  0
        Item  #5 Source Point #..................  0
                 # of Points...................  3
        Item  #6 Source Point #..................  4
                 # of Points...................  6
        Item  #7 Source Point #..................  7
                 # of Points...................  1
        Item  #8 Source Point #..................  0
```

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===========================================================================
CONFIGURATION DATA REPORT      COMPUTER ID : 62823          PAGE : 24
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---------- CONFIG AB PLC BLOCK#1 READ                        (Cont'd)
                  # of Points................... 0
          Item  #9 Source Point #................. 0
                  # of Points................... 0
          Item #10 Source Point #................. 0
                  # of Points................... 0
          Item #11 Source Point #................. 17
                  # of Points................... 18
          Item #12 Source Point #................. 0
                  # of Points................... 0
          Item #13 Source Point #................. 0
                  # of Points................... 0
          Item #14 Source Point #................. 0
                  # of Points................... 0
          Item #15 Source Point #................. 0
                  # of Points................... 0
          Item #16 Source Point #................. 0
                  # of Points................... 0


---------- CONFIG AB PLC BLOCK#2 READ
      Start Address of Data Block #2.............. 0
          Item  #1 Source Point #................. 0
                  # of Points................... 0
          Item  #2 Source Point #................. 0
                  # of Points................... 0
          Item  #3 Source Point #................. 0
                  # of Points................... 0
          Item  #4 Source Point #................. 0
                  # of Points................... 0
          Item  #5 Source Point #................. 0
                  # of Points................... 0
          Item  #6 Source Point #................. 0
                  # of Points................... 0
          Item  #7 Source Point #................. 0
                  # of Points................... 0
          Item  #8 Source Point #................. 0
                  # of Points................... 0
          Item  #9 Source Point #................. 0
                  # of Points................... 0
          Item #10 Source Point #................. 0
                  # of Points................... 0
          Item #11 Source Point #................. 0
                  # of Points................... 0
          Item #12 Source Point #................. 0
                  # of Points................... 0
          Item #13 Source Point #................. 0
                  # of Points................... 0
          Item #14 Source Point #................. 0
                  # of Points................... 0
          Item #15 Source Point #................. 0
                  # of Points................... 0
          Item #16 Source Point #................. 0
                  # of Points................... 0
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 25
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---------- CONFIG AB PLC BLOCK#3 READ
    Start Address of Data Block #3.............. 0
        Item  #1 Source Point #.................. 0
                 # of Points................... 0
        Item  #2 Source Point #.................. 0
                 # of Points................... 0
        Item  #3 Source Point #.................. 0
                 # of Points................... 0
        Item  #4 Source Point #.................. 0
                 # of Points................... 0
        Item  #5 Source Point #.................. 0
                 # of Points................... 0
        Item  #6 Source Point #.................. 0
                 # of Points................... 0
        Item  #7 Source Point #.................. 0
                 # of Points................... 0
        Item  #8 Source Point #.................. 0
                 # of Points................... 0
        Item  #9 Source Point #.................. 0
                 # of Points................... 0
        Item #10 Source Point #.................. 0
                 # of Points................... 0
        Item #11 Source Point #.................. 0
                 # of Points................... 0
        Item #12 Source Point #.................. 0
                 # of Points................... 0
        Item #13 Source Point #.................. 0
                 # of Points................... 0
        Item #14 Source Point #.................. 0
                 # of Points................... 0
        Item #15 Source Point #.................. 0
                 # of Points................... 0
        Item #16 Source Point #.................. 0
                 # of Points................... 0


---------- CONFIG AB PLC COMMAND BLOCK
    Start Address of Command Block ............. 0
        Item  #1 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #2 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #3 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #4 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #5 Dest. Point #.................. 0
                 # of Points................... 0
        Item  #6 Dest. Point #.................. 0
                 # of Points................... 0
```

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=========================================================================
CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 26
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---------- CONFIG AB PLC SETPOINT BLOCK
     Start Address  of Command Block............. 0
        Item  #1 Dest. Point #.................. 0
                  # of Points.................. 0
        Item  #2 Dest. Point #.................. 0
                  # of Points.................. 0
        Item  #3 Dest. Point #.................. 0
                  # of Points.................. 0
        Item  #4 Dest. Point #.................. 0
                  # of Points.................. 0
        Item  #5 Dest. Point #.................. 0
                  # of Points.................. 0
        Item  #6 Dest. Point #.................. 0
                  # of Points.................. 0
```

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=======================================================================
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---------- PRINTER SETUP
        Computer ID......................... 62823
        Print Interval in Minutes........... 0
        Print Interval Start Time........... 18:00:00
        Daily Report Time................... 06:00:00
        Disable Daily Report................ YES
        Day Light Savings Start............. 00/00/00
        Day Light Savings End............... 00/00/00
        Clear Daily Totals at Batch End..... YES
        Auto Hourly Batch Select............ NO
        Auto Weekly  Batch Select........... No Batch End
        Auto Monthly Batch Select........... 0
        Print Priority...................... 0
        Number of Nulls..................... 0
        Use Default Report Template......... NO
        Printer Condensed Mode String.......
        Printer Normal    Mode String.......
        Company Name
            TRANSCO part of Lattice Group plc
        Location
            Sunny Blackrod


---------- ANALYSER SETUP
  Analyser ID Number.......................... 1
  Analyser Type............................... DANALYZER
  Results Interval (Minutes).................. 4
  Listen Only Mode (Y or N)................... NO
  GC Fail Code................................ Always use
  GC Comp. # for Methane (CH4)................ 0
  GC Comp. # for Nitrogen (N2)................ 0
  GC Comp. # for Carbon Dioxide (CO2)......... 0
  GC Comp. # for Ethane (C2H6)................ 0
  GC Comp. # for Propane (C3H8)............... 0
  GC Comp. # for Water (H2O).................. 0
  GC Comp. # for Hydrogen Sulfide (H2S)....... 0
  GC Comp. # for Hydrogen (H2)................ 0
  GC Comp. # for Carbon Monoxide (CO)......... 0
  GC Comp. # for Oxygen (O2).................. 0
  GC Comp. # for i-Butane (iC4H10)............ 0
  GC Comp. # for n-Butane (nC4H10)............ 0
  GC Comp. # for i-Pentane (iC5H12)........... 0
  GC Comp. # for n-Pentane (nC5H12)........... 0
  GC Comp. # for n-Hexane (C6H14)............. 0
  GC Comp. # for n-Heptane (C7H16)............ 0
  GC Comp. # for n-Octane (C8H16)............. 0
  GC Comp. # for n-Nonane..................... 0
  GC Comp. # for n-Decane..................... 0
  GC Comp. # for Helium (He).................. 0
  GC Comp. # for Argon (Ar)................... 0
  GC Comp. # for Heating Value................ 0
  GC Comp. # for Specific Gravity............. 0
```

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---------- PID CONTROL SETUP
Loop #1 Secondary Setpoint Value................  0
         Primary Gain Factor....................  0.00
                       Rpts/Min.................  0.00
         Secondary Gain Factor..................  0.00
                    Rpts/Min.....................  0.00
         Deadband %.............................  0
         Startup Ramp %.........................  0
         Shutdown Ramp %........................  0
         Minimum Ramp To %......................  0
         Primary Setpoint Low  Limit............  0
                       High Limit..............  0
                       Zero Value..............  0
                       Full Scale Value........  0
         Secondary Var Zero Value...............  0
                       Full Scale Value.........  0
Loop #2 Secondary Setpoint Value................  0
         Primary Gain Factor....................  0.00
                       Rpts/Min.................  0.00
         Secondary Gain Factor..................  0.00
                       Rpts/Min.................  0.00
         Deadband %.............................  0
         Startup Ramp %.........................  0
         Shutdown Ramp %........................  0
         Minimum Ramp To %......................  0
         Primary Setpoint Low  Limit............  0
                       High Limit..............  0
                       Zero Value..............  0
                       Full Scale Value........  0
         Secondary Var Zero Value...............  0
                       Full Scale Value.........  0
Loop #3 Secondary Setpoint Value................  0
         Primary Gain Factor....................  0.00
                       Rpts/Min.................  0.00
         Secondary Gain Factor..................  0.00
                    Rpts/Min.....................  0.00
         Deadband %.............................  0
         Startup Ramp %.........................  0
         Shutdown Ramp %........................  0
         Minimum Ramp To %......................  0
         Primary Setpoint Low  Limit............  0
                       High Limit............  0
                       Zero Value..............  0
                       Full Scale Value........  0
         Secondary Var Zero Value...............  0
                       Full Scale Value.........  0
Loop #4 Secondary Setpoint Value................  0
         Primary Gain Factor....................  0.00
                       Rpts/Min.................  0.00
         Secondary Gain Factor..................  0.00
                    Rpts/Min.....................  0.00
         Deadband %.............................  0
         Startup Ramp %.........................  0
         Shutdown Ramp %........................  0
```

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CONFIGURATION DATA REPORT        COMPUTER ID : 62823        PAGE : 29
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---------- PID CONTROL SETUP                                  (Cont'd)
        Minimum Ramp To %...................... 0
        Primary Setpoint Low  Limit............ 0
                        High Limit............. 0
                        Zero Value............. 0
                        Full Scale Value....... 0
        Secondary Var Zero Value............... 0
                        Full Scale Value....... 0

---------- GRAV/DENSITY SETUP

---------- TEMP/PRESS SETUP
    Temp  #1 Low Alarm Limit.................. -10
             Hi  Alarm Limit.................. 40
             Override Value................... 15
             Override Code.................... Avg on fail
    Temp  #2 Low Alarm Limit.................. -10
             Hi  Alarm Limit.................. 40
             Override Value................... 15
             Override Code.................... Avg on fail
    Press #1 Low Alarm Limit................. 35
             Hi  Alarm Limit................. 80
             Override Value.................. 50
             Override Code................... Avg on fail
             at 4mA.......................... 0
             at 20mA......................... 80
             Damping Code.................... 0.0 Seconds
    Press #2 Low Alarm Limit................. 30
             Hi  Alarm Limit................. 80
             Override Value.................. 50
             Override Code................... Avg on fail
             at 4mA.......................... 0
             at 20mA......................... 80
             Damping Code.................... 0.0 Seconds

---------- DIFF. PRESSURE SETUP
Diff Pressure #1 Low Alarm Limit............... -2.5
                 Hi  Alarm Limit............... 502.5
                 Override Value................ 0
                 Override Code................. Avg on fail
                 Low DP at   4mA............... 0
                 Low DP at 20mA............... 50
                 Damping Code.................. 0.0 Seconds
                 High DP at   4mA.............. 0
                 High DP at 20mA.............. 500
                 Damping Code.................. 0.0 Seconds
                 High DP Select %............. 95
                 Low DP Select %.............. 9
Diff Pressure #2 Low Alarm Limit............... -2.5
                 Hi  Alarm Limit.............. 502.5
                 Override Value................ 0
                 Override Code................ Avg on fail
```

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CONFIGURATION DATA REPORT      COMPUTER ID : 62823        PAGE : 30
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---------- DIFF. PRESSURE SETUP                           (Cont'd)
              Low DP at   4mA.................  0
              Low DP at 20mA.................  50
              Damping Code...................  0.0 Seconds
              High DP at   4mA...............  0
              High DP at 20mA...............  500
              Damping Code...................  0.0 Seconds
              High DP Select %..............  95
              Low DP Select %...............  9
Diff Pressure #3 Low Alarm Limit...............  -2.5
              Hi   Alarm Limit...............  502.5
              Override Value.................  0
              Override Code..................  Avg on fail
              Low DP at   4mA................  0
              Low DP at 20mA................  500
              Damping Code...................  0.0 Seconds
              High DP at   4mA..............  0
              High DP at 20mA..............  500
              Damping Code...................  0.0 Seconds
              High DP Select %..............  0
              Low DP Select %...............  0


---------- STATION SG/N2 ETC SETUP
 Station ID....................................  Blackrod
 Flow Low Limit   (Tons/Hr).....................  0
 Flow High Limit (Tons/Hr).....................  867.4584
 Gross Flowrate Full Scale.....................  0
 Mass  Flowrate Full Scale.....................  0
 Run Switch Mode..............................  Manual
 Run Switch Time..............................  0
 Run Switch Threshold Low  %DP.................  0
 Run Switch Threshold High %DP.................  0


---------- METER RUN SETUP
 Meter #1 Meter ID............................  9741/MTA
          Analysis Selected...................  Product #1
          Analyzer Stream Number..............  3
          Flow Low Limit......................  0
          Flow High Limit.....................  433.7292
          Gross Flow Full Scale...............  0
          Mass Flow Full Scale................  0
          Low Flow Cutoff.....................  .45
          Orifice Measured  Dia...............  367.0034
          Orifice Reference Temp..............  20.2
          Orifice Expansion Coef..............  1.600000E-005
          Pipe Measured  Dia..................  730.1738
          Pipe Reference Temp.................  20
          Pipe Expansion Coef.................  1.100000E-005
          Use Downstream Pressure?............  NO
          Use Upstream Temperature?...........  NO
          Orifice Plate Taps..................  Flange Taps
          Transducer Density (Y/N)............  NO
 Meter #2 Meter ID............................  8171/MTB
```

```
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CONFIGURATION DATA REPORT     COMPUTER ID : 62823        PAGE : 31
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---------- METER RUN SETUP                                  (Cont'd)
        Analysis Selected..................... Product #1
        Analyzer Stream Number................ 1
        Flow Low Limit........................ 0
        Flow High Limit....................... 433.7292
        Gross Flow Full Scale................. 0
        Mass Flow Full Scale.................. 0
        Low Flow Cutoff....................... .45
        Orifice Measured  Dia................. 366.4895
        Orifice Reference Temp................ 20.3
        Orifice Expansion Coef................ 1.600000E-005
        Pipe Measured  Dia.................... 730.2849
        Pipe Reference Temp................... 20
        Pipe Expansion Coef................... 1.100000E-005
        Use Downstream Pressure?.............. NO
        Use Upstream Temperature?............. NO
        Orifice Plate Taps.................... Flange Taps
        Transducer Density (Y/N).............. NO
  Meter #3 Meter ID.............................
        Analysis Selected..................... Product #1
        Analyzer Stream Number................ 0
        Flow Low Limit........................ 0
        Flow High Limit....................... 0
        Gross Flow Full Scale................. 0
        Mass Flow Full Scale.................. 0
        Low Flow Cutoff....................... 0
        Orifice Measured  Dia................. 0
        Orifice Reference Temp................ 0
        Orifice Expansion Coef................ 0.000000E+000
        Pipe Measured  Dia.................... 0
        Pipe Reference Temp................... 0
        Pipe Expansion Coef................... 0.000000E+000
        Use Downstream Pressure?.............. NO
        Use Upstream Temperature?............. YES
        Orifice Plate Taps.................... Flange Taps
        Transducer Density (Y/N).............. NO


---------- FACTOR SETUP & SYS CONSTANTS
 Atmospheric Pressure (absolute)................ 1.01325
 Base Pressure (absolute)....................... 1.01325
 Base Temperature............................... 15
 Density of Air................................. 1.225410
 Flow Average Factor............................ 0
 Alarm Deadband %............................... 2.00
 Roll All Totalizers............................ 9 Digits
 Gross  Totalizer Decimal Places................ 0
 Net    Totalizer Decimal Places................ 0
 Mass   Totalizer Decimal Places................ 0
 Energy Totalizer Decimal Places................ 0
 Select Averaging Method........................ Flow Weighted
 Select Pressure Units.......................... Bar
 Select DP Units................................ Milli Bar
```

```
=========================================================================
CONFIGURATION DATA REPORT        COMPUTER ID : 62823         PAGE : 32
=========================================================================

---------- FLUID DATA & ANALYSIS
 Prod #1 Fluid Name............................
         Fluid Type Select (F1=Help)............ Natural Gas
         Viscosity in pa.s...................... .0000117
         Isentropic Exponent.................... 1.328626
         AGA-8 Method (F1=Help)................. 94 Detailed
         Heating Value Method (F1=Help)......... ISO 6976
         Heating Value MJ/NM3................... 39.15599
         Specific Gravity....................... 0.6381
         1994-01 % Methane (CH4)................ 87.1718
         1994-02 % Nitrogen (N2)................ 3.2063
         1994-03 % Carbon Dioxide (CO2)......... 1.5881
         1994-04 % Ethane (C2H6)................ 5.7779
         1994-05 % Propane (C3H8)............... 1.5528
         1994-06 % Water (H2O).................. 0.0000
         1994-07 % Hydrogen Sulfide (H2S)....... 0.0000
         1994-08 % Hydrogen (H2)................ 0.0000
         1994-09 % Carbon Monoxide (CO)......... 0.0000
         1994-10 % Oxygen (O2).................. 0.0000
         1994-11 % i-Butane (iC4H10)............ 0.2048
         1994-12 % n-Butane (nC4H10)............ 0.3254
         1994-13 % i-Pentane (iC5H12)........... 0.0721
         1994-14 % n-Pentane (nC5H12)........... 0.0590
         1994-15 % n-Hexane (C6H14)............. 0.0417
         1994-16 % n-Heptane (C7H16)............ 0.0000
         1994-17 % n-Octane (C8H16)............. 0.0000
         1994-18 % n-Nonane..................... 0.0000
         1994-19 % n-Decane..................... 0.0000
         1994-20 % Helium (He).................. 0.0000
         1994-21 % Argon (Ar).................. 0.0000
 Prod #2 Fluid Name............................
         Fluid Type Select (F1=Help)............ None Selected
         Reference Density KG/M3................ 0
         Viscosity in pa.s...................... 0
         Isentropic Exponent.................... 0
         Heating Value MJ/NM3................... 39.15599
 Prod #3 Fluid Name............................
         Fluid Type Select (F1=Help)............ None Selected
         Reference Density KG/M3................ 0
         Viscosity in pa.s...................... 0
         Isentropic Exponent.................... 0
         Heating Value MJ/NM3................... 0
 Prod #4 Fluid Name............................
         Fluid Type Select (F1=Help)............ None Selected
         Reference Density Lb/Ft3............... 0
         Viscosity in Centipoise................ 0
         Isentropic Exponent.................... 0
         Heating Value Btu/Scf.................. 0
```

APPENDIX C CORRECTED DAILY VOLUME FLOWS

TABLE C.1 FLOWS AT BLACKROD DURING THE PERIOD OF THE MIS-MEASUREMENT

Date	Original Values (total) Volume (mscm)	Corrected values (total) Volume (mscm)	% increase Volume (mscm)
16/07/2007	4.42297	**4.42329**	0.0073
17/07/2007	4.64599	**4.64615**	0.0035
18/07/2007	0.67304	**0.67317**	0.0192
19/07/2007	0.14594	**0.14622**	0.1933
20/07/2007	0.28699	**0.28755**	0.1936
21/07/2007	5.76404	**5.77520**	0.1936
22/07/2007	4.35999	**4.36843**	0.1936
23/07/2007	4.06097	**4.06883**	0.1936
24/07/2007	3.60004	**3.60701**	0.1936
25/07/2007	4.21295	**4.22111**	0.1936
26/07/2007	0.66205	**0.66333**	0.1936
27/07/2007	0.00000	**0.00000**	
28/07/2007	0.00000	**0.00000**	
29/07/2007	0.00000	**0.00000**	
30/07/2007	0.00000	**0.00000**	
31/07/2007	0.66498	**0.66627**	0.1936
01/08/2007	0.00000	**0.00000**	
02/08/2007	0.00000	**0.00000**	
03/08/2007	0.00000	**0.00000**	
04/08/2007	0.00000	**0.00000**	
05/08/2007	0.00000	**0.00000**	
06/08/2007	0.00702	**0.00703**	0.1936
07/08/2007	0.00000	**0.00000**	
08/08/2007	0.00000	**0.00000**	
09/08/2007	0.00000	**0.00000**	
10/08/2007	0.00000	**0.00000**	
11/08/2007	0.00000	**0.00000**	
12/08/2007	0.00000	**0.00000**	
13/08/2007	0.00000	**0.00000**	
14/08/2007	0.00000	**0.00000**	
15/08/2007	0.00000	**0.00000**	
16/08/2007	0.04297	**0.04305**	0.1936
17/08/2007	0.00000	**0.00000**	
18/08/2007	0.00000	**0.00000**	
19/08/2007	0.55603	**0.55711**	0.1936
20/08/2007	4.73297	**4.74213**	0.1936
21/08/2007	4.39899	**4.40751**	0.1936
22/08/2007	3.71704	**3.72424**	0.1936
23/08/2007	3.52301	**3.52983**	0.1936
24/08/2007	3.02399	**3.02984**	0.1936
25/08/2007	3.05200	**3.05791**	0.1936
26/08/2007	3.34601	**3.35249**	0.1936
27/08/2007	0.02899	**0.02905**	0.1936
28/08/2007	0.00000	**0.00000**	
29/08/2007	0.00000	**0.00000**	
30/08/2007	0.00000	**0.00000**	
31/08/2007	0.00000	**0.00000**	
01/09/2007	4.16998	**4.17805**	0.1936
02/09/2007	4.89502	**4.90450**	0.1936
03/09/2007	4.74097	**4.75015**	0.1936
04/09/2007	4.58600	**4.59488**	0.1936

05/09/2007	4.23700	**4.24520**	0.1936
06/09/2007	3.56799	**3.57490**	0.1936
07/09/2007	3.50500	**3.51179**	0.1936
08/09/2007	0.41901	**0.41982**	0.1936
09/09/2007	3.80701	**3.81438**	0.1936
10/09/2007	1.06903	**1.07110**	0.1936
11/09/2007	4.05499	**4.06284**	0.1936
12/09/2007	3.90399	**3.91155**	0.1936
13/09/2007	3.96100	**3.96867**	0.1936
14/09/2007	4.62097	**4.62992**	0.1936
15/09/2007	3.88702	**3.89455**	0.1936
16/09/2007	3.38300	**3.38955**	0.1936
17/09/2007	4.18604	**4.19414**	0.1936
18/09/2007	6.62097	**6.63379**	0.1936
19/09/2007	4.28497	**4.29327**	0.1936
20/09/2007	6.22705	**6.23911**	0.1936
21/09/2007	6.79700	**6.81016**	0.1936
22/09/2007	5.00000	**5.00968**	0.1936
23/09/2007	5.30798	**5.31826**	0.1936
24/09/2007	8.00800	**8.02350**	0.1936
25/09/2007	6.31201	**6.32423**	0.1936
26/09/2007	7.66602	**7.68086**	0.1936
27/09/2007	6.79095	**6.80410**	0.1936
28/09/2007	5.55701	**5.56777**	0.1936
29/09/2007	4.08502	**4.09293**	0.1936
30/09/2007	4.95300	**4.96259**	0.1936
01/10/2007	6.06000	**6.07173**	0.1936
02/10/2007	8.05701	**8.07261**	0.1936
03/10/2007	8.24500	**8.26096**	0.1936
04/10/2007	8.33496	**8.35110**	0.1936
05/10/2007	7.40503	**7.41937**	0.1936
06/10/2007	7.26300	**7.27706**	0.1936
07/10/2007	7.68500	**7.69988**	0.1936
08/10/2007	8.91300	**8.93026**	0.1936
09/10/2007	8.91100	**8.92825**	0.1936
10/10/2007	8.90900	**8.92625**	0.1936
11/10/2007	0.87200	**0.87369**	0.1936
12/10/2007	6.87800	**6.89132**	0.1936
13/10/2007	4.49200	**4.50070**	0.1936
14/10/2007	3.23700	**3.24327**	0.1936
15/10/2007	5.40700	**5.41747**	0.1936
16/10/2007	4.44600	**4.45461**	0.1936
17/10/2007	6.82900	**6.84222**	0.1936
18/10/2007	7.49600	**7.51051**	0.1936
19/10/2007	6.92300	**6.93640**	0.1936
20/10/2007	5.61700	**5.62787**	0.1936
21/10/2007	4.48800	**4.49669**	0.1936
22/10/2007	5.20800	**5.21808**	0.1936
23/10/2007	4.54600	**4.55480**	0.1936
24/10/2007	3.91200	**3.91957**	0.1936
25/10/2007	3.71500	**3.72219**	0.1936
26/10/2007	5.82000	**5.83127**	0.1936
27/10/2007	3.73100	**3.73822**	0.1936
28/10/2007	4.67700	**4.68605**	0.1936
29/10/2007	7.87800	**7.89325**	0.1936
30/10/2007	7.34000	**7.35421**	0.1936
31/10/2007	5.53799	**5.54871**	0.1936
01/11/2007	5.44301	**5.45355**	0.1936
02/11/2007	1.01100	**1.01296**	0.1936
03/11/2007	1.58899	**1.59207**	0.1936
04/11/2007	5.50500	**5.51566**	0.1936

05/11/2007	7.80800	**7.82312**	0.1936
06/11/2007	8.08301	**8.09866**	0.1936
07/11/2007	7.23999	**7.25401**	0.1936
08/11/2007	8.97800	**8.99538**	0.1936
09/11/2007	8.80101	**8.81805**	0.1936
10/11/2007	6.55699	**6.56968**	0.1936
11/11/2007	7.53300	**7.54758**	0.1936
12/11/2007	8.21201	**8.22791**	0.1936
13/11/2007	4.75400	**4.76320**	0.1936
14/11/2007	7.85699	**7.87220**	0.1936
15/11/2007	6.91701	**6.93040**	0.1936
16/11/2007	0.00000	**0.00000**	
17/11/2007	5.05800	**5.06779**	0.1936
18/11/2007	6.20100	**6.21301**	0.1936
19/11/2007	6.86800	**6.88130**	0.1936
20/11/2007	8.07901	**8.09465**	0.1936
21/11/2007	4.54800	**4.55680**	0.1936
22/11/2007	5.29099	**5.30123**	0.1936
23/11/2007	8.07101	**8.08664**	0.1936
24/11/2007	8.00497	**8.02047**	0.1936
25/11/2007	5.98102	**5.99260**	0.1936
26/11/2007	4.79700	**4.80629**	0.1936
27/11/2007	4.45001	**4.45863**	0.1936
28/11/2007	5.90500	**5.91643**	0.1936
29/11/2007	6.50299	**6.51558**	0.1936
30/11/2007	5.05600	**5.06579**	0.1936
01/12/2007	5.32599	**5.33630**	0.1936
02/12/2007	8.07202	**8.08765**	0.1936
03/12/2007	8.32898	**8.34510**	0.1936
04/12/2007	6.76901	**6.78211**	0.1936
05/12/2007	5.47198	**5.48257**	0.1936
06/12/2007	7.22000	**7.23398**	0.1936
07/12/2007	8.25803	**8.27402**	0.1936
08/12/2007	9.00897	**9.02641**	0.1936
09/12/2007	7.11902	**7.13280**	0.1936
10/12/2007	8.87601	**8.89319**	0.1936
11/12/2007	8.09500	**8.11067**	0.1936
12/12/2007	8.16299	**8.17879**	0.1936
13/12/2007	8.87000	**8.88717**	0.1936
14/12/2007	8.08200	**8.09765**	0.1936
15/12/2007	5.73300	**5.74410**	0.1936
16/12/2007	7.01401	**7.02759**	0.1936
17/12/2007	7.82401	**7.83906**	0.1924
18/12/2007	9.06097	**9.07833**	0.1915
19/12/2007	8.45901	**8.47521**	0.1915
20/12/2007	8.53500	**8.55135**	0.1915
21/12/2007	8.31198	**8.32790**	0.1915
22/12/2007	7.54901	**7.56347**	0.1915
23/12/2007	6.64301	**6.65573**	0.1915
24/12/2007	7.62100	**7.63560**	0.1915
25/12/2007	8.15399	**8.16961**	0.1915
26/12/2007	7.68298	**7.69770**	0.1915
27/12/2007	6.49304	**6.50548**	0.1915
28/12/2007	6.92297	**6.93623**	0.1915
29/12/2007	9.72504	**9.74367**	0.1915
30/12/2007	7.21698	**7.23080**	0.1915
31/12/2007	9.60602	**9.62442**	0.1915
01/01/2008	7.11700	**7.13063**	0.1915
02/01/2008	10.41090	**10.43084**	0.1915
03/01/2008	8.33301	**8.34897**	0.1915
04/01/2008	6.61304	**6.62571**	0.1915

05/01/2008	8.28595	**8.30182**	0.1915
06/01/2008	4.41504	**4.42350**	0.1915
07/01/2008	8.25299	**8.26880**	0.1915
08/01/2008	8.33197	**8.34793**	0.1915
09/01/2008	9.06104	**9.07840**	0.1915
10/01/2008	8.19397	**8.20967**	0.1915
11/01/2008	8.95801	**8.97517**	0.1915
12/01/2008	3.66003	**3.66704**	0.1915
13/01/2008	8.65997	**8.67656**	0.1915
14/01/2008	6.67902	**6.69181**	0.1915
15/01/2008	7.43298	**7.44722**	0.1915
16/01/2008	5.80701	**5.81813**	0.1915
17/01/2008	7.78699	**7.80191**	0.1915
18/01/2008	8.89203	**8.90906**	0.1915
19/01/2008	6.30896	**6.32104**	0.1915
20/01/2008	5.69702	**5.70793**	0.1915
21/01/2008	7.28400	**7.29795**	0.1915
22/01/2008	8.55304	**8.56942**	0.1915
23/01/2008	6.24194	**6.25390**	0.1915
24/01/2008	8.88000	**8.89701**	0.1915
25/01/2008	8.10602	**8.12155**	0.1915
26/01/2008	8.97198	**8.98917**	0.1915
27/01/2008	9.10303	**9.12047**	0.1915
28/01/2008	7.69000	**7.70473**	0.1915
29/01/2008	7.20697	**7.22077**	0.1915
30/01/2008	9.30505	**9.32287**	0.1915
31/01/2008	8.34094	**8.35692**	0.1915
01/02/2008	8.52704	**8.54337**	0.1915
02/02/2008	8.04401	**8.05942**	0.1915
03/02/2008	6.57898	**6.59158**	0.1915
04/02/2008	6.25500	**6.26698**	0.1915
05/02/2008	8.22498	**8.24073**	0.1915
06/02/2008	7.88800	**7.90311**	0.1915
07/02/2008	9.00903	**9.02629**	0.1915
08/02/2008	6.69000	**6.70281**	0.1915
09/02/2008	7.37000	**7.38412**	0.1915
10/02/2008	7.61597	**7.63056**	0.1915
11/02/2008	7.85706	**7.87211**	0.1915
12/02/2008	6.98999	**7.00338**	0.1915
13/02/2008	7.80298	**7.81793**	0.1915
14/02/2008	8.58203	**8.59847**	0.1915
15/02/2008	7.61798	**7.63257**	0.1915
16/02/2008	7.83197	**7.84697**	0.1915
17/02/2008	8.85303	**8.86999**	0.1915
18/02/2008	7.65900	**7.67367**	0.1915
19/02/2008	7.97302	**7.98829**	0.1915
20/02/2008	8.59796	**8.61443**	0.1915
21/02/2008	7.94904	**7.96427**	0.1915
22/02/2008	7.50201	**7.51638**	0.1915
23/02/2008	6.27899	**6.29102**	0.1915
24/02/2008	6.93500	**6.94828**	0.1915
25/02/2008	8.30298	**8.31888**	0.1915
26/02/2008	7.41400	**7.42820**	0.1915
27/02/2008	8.54803	**8.56440**	0.1915
28/02/2008	8.92600	**8.94310**	0.1915
29/02/2008	10.36400	**10.38385**	0.1915
01/03/2008	9.25300	**9.27072**	0.1915
02/03/2008	7.40500	**7.41918**	0.1915
03/03/2008	9.73400	**9.75265**	0.1915
04/03/2008	10.52500	**10.54516**	0.1915
05/03/2008	7.72700	**7.74180**	0.1915

06/03/2008	7.80200	**7.81694**	0.1915
07/03/2008	7.94300	**7.95821**	0.1915
08/03/2008	8.03900	**8.05440**	0.1915
09/03/2008	7.58100	**7.59552**	0.1915
10/03/2008	8.64300	**8.65956**	0.1915
11/03/2008	7.95800	**7.97324**	0.1915
12/03/2008	9.69500	**9.71357**	0.1915
13/03/2008	7.88100	**7.89610**	0.1915
14/03/2008	7.94800	**7.96322**	0.1915
15/03/2008	7.75101	**7.76586**	0.1915
16/03/2008	8.23500	**8.25077**	0.1915
17/03/2008	8.87401	**8.89101**	0.1915
18/03/2008	9.60899	**9.62740**	0.1915
19/03/2008	8.59599	**8.61246**	0.1915
20/03/2008	9.44501	**9.46310**	0.1915
21/03/2008	8.53101	**8.54735**	0.1915
22/03/2008	8.89699	**8.91403**	0.1915
23/03/2008	8.73801	**8.75475**	0.1915
24/03/2008	8.49901	**8.51529**	0.1915
25/03/2008	9.84000	**9.85885**	0.1915
26/03/2008	7.72000	**7.73479**	0.1915
27/03/2008	6.94099	**6.95428**	0.1915
28/03/2008	8.88600	**8.90302**	0.1915
29/03/2008	9.02301	**9.04029**	0.1915
30/03/2008	6.96201	**6.97537**	0.1918
31/03/2008	6.85999	**6.87327**	0.1936
01/04/2008	8.58899	**8.60562**	0.1936
02/04/2008	7.61002	**7.62475**	0.1936
03/04/2008	7.50101	**7.51553**	0.1936
04/04/2008	4.99698	**5.00665**	0.1936
05/04/2008	6.79800	**6.81116**	0.1936
06/04/2008	9.85300	**9.87208**	0.1936
07/04/2008	7.69202	**7.70691**	0.1936
08/04/2008	8.62000	**8.63669**	0.1936
09/04/2008	8.98599	**9.00339**	0.1936
10/04/2008	7.36801	**7.38227**	0.1936
11/04/2008	8.81601	**8.83308**	0.1936
12/04/2008	7.67899	**7.69386**	0.1936
13/04/2008	7.43900	**7.45340**	0.1936
14/04/2008	7.32202	**7.33620**	0.1936
15/04/2008	7.52499	**7.53956**	0.1936
16/04/2008	7.21600	**7.22997**	0.1936
17/04/2008	8.49200	**8.50844**	0.1936
18/04/2008	7.92200	**7.93734**	0.1936
19/04/2008	8.84799	**8.86512**	0.1936
20/04/2008	8.20001	**8.21589**	0.1936
21/04/2008	5.09399	**5.10385**	0.1936
22/04/2008	4.68600	**4.69507**	0.1936
23/04/2008	5.67599	**5.68698**	0.1936
24/04/2008	6.93799	**6.95142**	0.1936
25/04/2008	7.97900	**7.99445**	0.1936
26/04/2008	6.46600	**6.47852**	0.1936
27/04/2008	7.32501	**7.33919**	0.1936
28/04/2008	5.60999	**5.62085**	0.1936
29/04/2008	5.94501	**5.95652**	0.1936
30/04/2008	6.07199	**6.08375**	0.1936
01/05/2008	5.73502	**5.74612**	0.1936
02/05/2008	4.75201	**4.76121**	0.1936
03/05/2008	5.39600	**5.40645**	0.1936
04/05/2008	7.77899	**7.79405**	0.1936
05/05/2008	5.64996	**5.66090**	0.1936

06/05/2008	6.94904	**6.96249**	0.1936
07/05/2008	5.30499	**5.31526**	0.1936
08/05/2008	7.18201	**7.19591**	0.1936
09/05/2008	6.48596	**6.49852**	0.1936
10/05/2008	6.06805	**6.07980**	0.1936
11/05/2008	6.08295	**6.09473**	0.1936
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13/05/2008	0.83496	**0.83658**	0.1936
14/05/2008	0.00000	**0.00000**	
15/05/2008	0.00000	**0.00000**	
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17/05/2008	7.54498	**7.55959**	0.1936
18/05/2008	8.06201	**8.07762**	0.1936
19/05/2008	7.79004	**7.80512**	0.1936
20/05/2008	7.43298	**7.44737**	0.1936
21/05/2008	6.54596	**6.55863**	0.1936
22/05/2008	1.45404	**1.45686**	0.1936
23/05/2008	5.83197	**5.84326**	0.1936
24/05/2008	4.94501	**4.95458**	0.1936
25/05/2008	5.49304	**5.50367**	0.1936
26/05/2008	3.74396	**3.75121**	0.1936
27/05/2008	6.46100	**6.47351**	0.1936
28/05/2008	6.47504	**6.48758**	0.1936
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15/06/2008	4.18298	**4.19108**	0.1936
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17/06/2008	5.48602	**5.49664**	0.1936
18/06/2008	6.53998	**6.55264**	0.1936
19/06/2008	3.44403	**3.45070**	0.1936
20/06/2008	4.83795	**4.84732**	0.1936
21/06/2008	0.66003	**0.66131**	0.1936
22/06/2008	5.85797	**5.86931**	0.1936
23/06/2008	5.01202	**5.02172**	0.1936
24/06/2008	4.41101	**4.41955**	0.1936
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12/09/2008	4.60602	**4.61409**	0.1752
13/09/2008	3.41901	**3.42500**	0.1752
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15/09/2008	0.00000	**0.00000**	
16/09/2008	6.36096	**6.37210**	0.1752
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18/09/2008	5.94501	**5.95543**	0.1752
19/09/2008	5.06696	**5.07584**	0.1752
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21/09/2008	4.46399	**4.47181**	0.1752
22/09/2008	5.82001	**5.83021**	0.1752
23/09/2008	6.51202	**6.52343**	0.1752
24/09/2008	6.50000	**6.51139**	0.1752
25/09/2008	6.26001	**6.27098**	0.1752
26/09/2008	6.06396	**6.07458**	0.1752
27/09/2008	5.33600	**5.34535**	0.1752
28/09/2008	6.27399	**6.28498**	0.1752
29/09/2008	8.82703	**8.84249**	0.1752
30/09/2008	8.34998	**8.36461**	0.1752
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02/10/2008	6.09796	**6.10864**	0.1752
03/10/2008	6.91101	**6.92312**	0.1752
04/10/2008	6.16602	**6.17682**	0.1752
05/10/2008	5.05298	**5.06183**	0.1752
06/10/2008	5.26904	**5.27827**	0.1752
07/10/2008	4.88800	**4.89656**	0.1752
08/10/2008	4.52698	**4.53491**	0.1752
09/10/2008	5.28198	**5.29123**	0.1752
10/10/2008	5.79803	**5.80819**	0.1752
11/10/2008	4.64197	**4.65010**	0.1752
12/10/2008	5.03101	**5.03982**	0.1752
13/10/2008	5.07404	**5.08293**	0.1752
14/10/2008	6.33997	**6.35108**	0.1752
15/10/2008	7.44800	**7.46105**	0.1752
16/10/2008	8.62700	**8.64211**	0.1752
17/10/2008	7.61500	**7.62834**	0.1752
18/10/2008	7.43500	**7.44803**	0.1752
19/10/2008	7.42300	**7.43601**	0.1752
20/10/2008	9.60700	**9.61711**	0.1052
21/10/2008	9.42400	**9.43655**	0.1332
22/10/2008	10.00700	**10.01592**	0.0891
23/10/2008	10.99700	**11.00663**	0.0876
24/10/2008	9.58100	**9.58939**	0.0876
25/10/2008	9.69100	**9.69948**	0.0875
26/10/2008	9.68600	**9.69448**	0.0875
27/10/2008	12.07600	**12.08657**	0.0875
28/10/2008	11.95700	**11.96747**	0.0875
29/10/2008	12.43000	**12.44088**	0.0875
30/10/2008	11.55900	**11.56912**	0.0875
31/10/2008	10.91800	**10.92755**	0.0875
01/11/2008	9.79300	**9.80157**	0.0875
02/11/2008	10.59300	**10.60228**	0.0876
03/11/2008	9.58200	**9.59039**	0.0876
04/11/2008	8.22000	**8.22720**	0.0876

05/11/2008	9.55301	**9.56138**	0.0876
06/11/2008	9.10199	**9.10996**	0.0876
07/11/2008	9.53700	**9.54535**	0.0876
08/11/2008	8.54401	**8.55149**	0.0876
09/11/2008	10.62400	**10.63331**	0.0876
10/11/2008	12.06200	**12.07257**	0.0876
11/11/2008	11.83500	**11.84537**	0.0876
12/11/2008	10.03700	**10.04579**	0.0876
13/11/2008	9.03900	**9.04691**	0.0875
14/11/2008	7.03802	**7.04415**	0.0870
15/11/2008	6.88998	**6.89598**	0.0870
16/11/2008	9.60300	**9.61141**	0.0875
17/11/2008	8.19302	**8.20019**	0.0875
18/11/2008	6.99197	**6.99809**	0.0876
19/11/2008	8.73102	**8.73866**	0.0875
20/11/2008	8.66098	**8.66856**	0.0875
21/11/2008	8.75000	**8.75766**	0.0875
22/11/2008	8.08502	**8.09210**	0.0875
23/11/2008	8.91901	**8.92682**	0.0875
24/11/2008	8.82098	**8.82870**	0.0875
25/11/2008	8.85400	**8.86175**	0.0875
26/11/2008	6.46799	**6.47365**	0.0876
27/11/2008	7.39301	**7.39948**	0.0875
28/11/2008	10.28800	**10.29700**	0.0875
29/11/2008	13.62900	**13.64093**	0.0876
30/11/2008	13.38400	**13.39572**	0.0875
01/12/2008	13.55700	**13.56887**	0.0875
02/12/2008	13.49700	**13.50882**	0.0875
03/12/2008	13.73900	**13.75103**	0.0875
04/12/2008	11.54400	**11.55410**	0.0875
05/12/2008	10.24600	**10.25497**	0.0875
06/12/2008	8.47299	**8.48040**	0.0875
07/12/2008	10.77800	**10.78743**	0.0875
08/12/2008	8.29803	**8.30529**	0.0875
09/12/2008	11.17600	**11.18578**	0.0875
10/12/2008	10.60400	**10.61328**	0.0875
11/12/2008	11.59800	**11.60815**	0.0875
12/12/2008	10.57996	**10.58922**	0.0875
13/12/2008	8.51105	**8.51850**	0.0875
14/12/2008	8.62598	**8.63353**	0.0875
15/12/2008	11.30300	**11.31289**	0.0875
16/12/2008	7.82501	**7.83186**	0.0875
17/12/2008	7.91400	**7.92093**	0.0875
18/12/2008	6.62000	**6.62580**	0.0876
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20/12/2008	8.23102	**8.23823**	0.0876
21/12/2008	7.46698	**7.47352**	0.0876
22/12/2008	6.73700	**6.74290**	0.0876
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24/12/2008	7.01202	**7.01816**	0.0875
25/12/2008	6.64197	**6.64779**	0.0876
26/12/2008	8.36700	**8.37432**	0.0875
27/12/2008	9.44000	**9.44826**	0.0875
28/12/2008	10.36600	**10.37507**	0.0875
29/12/2008	11.02500	**11.03465**	0.0875
30/12/2008	13.19500	**13.20655**	0.0875
31/12/2008	14.84500	**14.85799**	0.0875
01/01/2009	11.54700	**11.55710**	0.0875
02/01/2009	9.73499	**9.74351**	0.0875
03/01/2009	9.48999	**9.49829**	0.0875
04/01/2009	9.49103	**9.49934**	0.0875

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06/01/2009	10.09700	**10.10584**	0.0875
07/01/2009	9.06500	**9.07293**	0.0875
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12/01/2009	7.77399	**7.78080**	0.0875
13/01/2009	10.01500	**10.02376**	0.0875
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21/01/2009	9.30200	**9.31014**	0.0875
22/01/2009	8.89301	**8.90079**	0.0875
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26/01/2009	9.31702	**9.32517**	0.0875
27/01/2009	9.03100	**9.03890**	0.0875
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13/03/2009	7.17099	**7.17727**	0.0875
14/03/2009	7.53900	**7.54560**	0.0875
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22/03/2009	7.60800	**7.62133**	0.1752
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24/03/2009	8.22302	**8.23743**	0.1752
25/03/2009	9.87598	**9.89328**	0.1752
26/03/2009	6.82800	**6.83996**	0.1752
27/03/2009	5.16000	**5.16904**	0.1752
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07/04/2009	7.05304	**7.06540**	0.1752
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10/04/2009	6.72998	**6.74177**	0.1752
11/04/2009	5.87396	**5.88425**	0.1752
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13/04/2009	2.75397	**2.75879**	0.1752
14/04/2009	4.32898	**4.33656**	0.1752
15/04/2009	4.34399	**4.35160**	0.1752
16/04/2009	5.81500	**5.82519**	0.1752
17/04/2009	6.40405	**6.41527**	0.1752
18/04/2009	4.84100	**4.84948**	0.1752
19/04/2009	4.08795	**4.09511**	0.1752
20/04/2009	4.10205	**4.10924**	0.1752
21/04/2009	4.88696	**4.89552**	0.1752
22/04/2009	4.57300	**4.58101**	0.1752
23/04/2009	3.79004	**3.79668**	0.1752
24/04/2009	4.51996	**4.52788**	0.1752
25/04/2009	3.99103	**3.99802**	0.1752
26/04/2009	5.25897	**5.26818**	0.1752
27/04/2009	7.67603	**7.68948**	0.1752
28/04/2009	7.73901	**7.75257**	0.1752
29/04/2009	6.29498	**6.30601**	0.1752
30/04/2009	7.20801	**7.22064**	0.1752
01/05/2009	5.62799	**5.63785**	0.1752
02/05/2009	5.14099	**5.15000**	0.1752
03/05/2009	5.73102	**5.74106**	0.1752
04/05/2009	8.45300	**8.46781**	0.1752
05/05/2009	8.55298	**8.56796**	0.1752
06/05/2009	6.24103	**6.25196**	0.1752

07/05/2009	5.75897	**5.76906**	0.1752
08/05/2009	3.64703	**3.65342**	0.1752
09/05/2009	0.00000	**0.00000**	
10/05/2009	0.00000	**0.00000**	
11/05/2009	0.00000	**0.00000**	
12/05/2009	0.00000	**0.00000**	
13/05/2009	0.00000	**0.00000**	
14/05/2009	0.00000	**0.00000**	
15/05/2009	0.00000	**0.00000**	
16/05/2009	0.00098	**0.00098**	0.0000
17/05/2009	0.00000	**0.00000**	
18/05/2009	0.00000	**0.00000**	
19/05/2009	0.00000	**0.00000**	
20/05/2009	0.00000	**0.00000**	
21/05/2009	0.00000	**0.00000**	
22/05/2009	0.00104	**0.00104**	0.0000
23/05/2009	0.00000	**0.00000**	
24/05/2009	0.00000	**0.00000**	
25/05/2009	0.00000	**0.00000**	
26/05/2009	0.00000	**0.00000**	
27/05/2009	0.00000	**0.00000**	
28/05/2009	0.00000	**0.00000**	
29/05/2009	1.33801	**1.34035**	0.1752
30/05/2009	5.30499	**5.31428**	0.1752
31/05/2009	5.25403	**5.26324**	0.1752
01/06/2009	5.57300	**5.58276**	0.1752
02/06/2009	5.58398	**5.59376**	0.1752
03/06/2009	0.11401	**0.11421**	0.1752
04/06/2009	0.00000	**0.00000**	
05/06/2009	0.00000	**0.00000**	
06/06/2009	0.00000	**0.00000**	
07/06/2009	5.61096	**5.62079**	0.1752
08/06/2009	5.04700	**5.05584**	0.1752
09/06/2009	5.04199	**5.05082**	0.1752
10/06/2009	4.18402	**4.19135**	0.1752
11/06/2009	4.01501	**4.02204**	0.1752
12/06/2009	3.48102	**3.48712**	0.1752
13/06/2009	5.23999	**5.24917**	0.1752
14/06/2009	5.44501	**5.45455**	0.1752
15/06/2009	5.92896	**5.93935**	0.1752
16/06/2009	5.95300	**5.96343**	0.1752
17/06/2009	7.27802	**7.29077**	0.1752
18/06/2009	7.68103	**7.69449**	0.1752
19/06/2009	7.93799	**7.95190**	0.1752
20/06/2009	6.88397	**6.89603**	0.1752
21/06/2009	7.13104	**7.14353**	0.1752
22/06/2009	6.77197	**6.78383**	0.1752
23/06/2009	5.91901	**5.92938**	0.1752
24/06/2009	5.96899	**5.97945**	0.1752
25/06/2009	5.87000	**5.88028**	0.1752
26/06/2009	1.82300	**1.82619**	0.1752
27/06/2009	0.00000	**0.00000**	
28/06/2009	0.00000	**0.00000**	
29/06/2009	0.11896	**0.11917**	0.1752
30/06/2009	0.08203	**0.08214**	0.1375
01/07/2009	0.05505	**0.05515**	0.1752
02/07/2009	0.10497	**0.10502**	0.0448