

Furnace B Modified Method 5G Meter Box Data for Run 3

Date: 19 June 1995

Elapsed Time	Weight Remain	Flue Gas	Tunnel Temp	DGM #1 Read	ROTO 1 Read	DGM Temp	DGM Temp	Filter Temp	DGM #2 Read	ROTO 2 Read	DGM Temp	DGM Temp	Filter Temp	Tunnel Velocity	Draft in.H <sub>2</sub> O	Water Inlet	Temperature Outlet
Min.	Lb	Temp °F	°F	ft <sup>3</sup>		Inlet °F	Outlet °F	°F	ft <sup>3</sup>		Inlet °F	Outlet °F	°F	ΔP in.H <sub>2</sub> O	°F	°F	
0	139.52	116	92	707.8	30	83	82	78	82.3	30	80	80	79	.257	.011	172	177
10	131.00	234	116	708.4	30	84	83	84	82.9	30	81	80	83	.251	.010	172	177
20	128.00	175	98	708.9	30	84	83	81	83.4	30	82	81	82	.210	.025	177	183
30	127.50	133	94	708.5	30	84	84	79	83.9	30	83	82	79	.270	.019	175	181
40	127.00	125	93	710.0	30	85	84	78	84.4	30	84	82	79	.257	.019	173	179
50	126.50	154	98	710.5	30	85	85	79	84.9	30	84	82	80	.253	.021	171	177
60	119.0	163	97	711.0	30	86	85	80	85.5	30	84	83	81	.258	.055	181	185
70	119.5	138	95	711.5	30	87	86	78	86.0	30	85	84	79	.262	.021	179	184
80	119.0	129	93	712.0	30	84	84	78	86.5	30	83	84	80	.259	.019	177	182
90	118.5	124	93	712.6	30	83	83	80	87.0	32	83	83	80	.259	.017	175	180
100	118.0	121	93	713.1	30	82	83	80	87.5	30	83	83	81	.257	.015	175	179
110	117.5	120	93	713.6	30	82	82	81	88.0	30	83	83	81	.263	.015	173	178
120	117.5	144	98	714.1	30	82	82	82	88.6	30	83	83	82	.256	.020	171	176
130	107.5	228	106	714.6	30	82	82	85	89.1	30	83	83	85	.256	.029	177	183
140	106.0	142	95	715.1	30	82	82	81	89.6	30	83	83	83	.256	.021	170	182
150	105.5	132	95	715.6	30	82	82	83	90.1	30	83	83	83	.256	.019	173	179
160	104.5	126	94	716.1	30	82	82	83	90.6	30	83	83	83	.257	.018	171	178
170	102.5	256	117	716.6	30	81	82	84	91.1	30	82	83	85	.250	.040	172	177
180	096.0	151	96	717.1	30	82	82	82	91.5	30	82	83	82	.257	.023	179	185
190	095.0	138	95	717.6	30	82	82	83	92.0	30	82	83	83	.256	.020	178	183
200	094.5	129	95	718.1	30	82	82	84	92.5	30	83	83	83	.257	.019	177	182
210	094.5	125	95	718.6	30	82	82	84	93.0	30	83	83	83	.256	.016	175	181
220	094.0	122	95	719.2	30	82	82	84	93.5	30	83	83	84	.259	.015	174	180
230	093.5	120	95	719.7	30	82	82	84	94.0	30	83	83	83	.255	.015	173	178
240	093.5	135	98	720.2	30	82	82	84	94.5	30	83	83	84	.255	.019	172	177
250	088.0	172	99	720.7	30	82	83	83	95.0	30	83	84	84	.255	.013	178	183
260	087.0	138	96	721.2	30	82	83	84	95.5	30	84	84	84	.255	.020	178	183
270	086.5	129	96	721.7	30	83	83	84	96.0	30	84	84	84	.280	.018	176	181
280	086.5	123	95	722.2	30	83	83	84	96.5	30	83	84	84	.250	.015	175	180
290	086.0	120	95	722.7	30	83	82	84	97.1	30	83	84	84	.255	.015	174	179
300	086.0	119	95	723.3	30	83	83	84	97.6	30	84	84	84	.255	.013	173	178
310	086.0	117	95	723.8	30	83	83	85	98.2	30	84	84	85	.260	.018	172	177
320	082.5	190	100	724.3	30	83	83	85	98.7	30	84	84	85	.260	.020	178	184
330	082.0	131	96	724.8	30	83	83	85	99.2	30	84	84	85	.258	.018	177	183
340	082.0	125	96	725.4	30	83	83	85	99.8	30	84	84	85	.258	.018	176	181
350	081.5	121	96	725.9	30	83	83	85	100.3	30	84	84	85	.260	.015	175	180
360	081.5	119	95	726.5	30	83	83	85	100.9	30	84	84	85	.258	.013	173	179
370	081.0	118	95	727.0	30	83	83	85	101.4	30	84	84	85	.258	.013	172	178
380	080.5	156	100	727.5	30	83	83	85	101.9	30	84	84	85	.255	.019	171	177
390	077.5	166	99	728.0	30	83	83	85	102.4	30	84	84	85	.255	.023	178	183
400	077.0	132	96	728.6	30	83	83	85	102.9	30	84	84	85	.260	.019	177	182

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Furnace B Modified Method 5G Meter Box Data for Run 3  
 Date: 19 June 1995

Elapsed Time	Weight Remain	Flue Gas Temp	Tunnel Temp	DGM #1 Read	ROTO 1 Read	DGM Temp Inlet	DGM Temp Outlet	Filter Temp	DGM #2 Read	ROTO 2 Read	DGM Temp Inlet	DGM Temp Outlet	Filter Temp	Tunnel Velocity	Draft in.H <sub>2</sub> O	Water Inlet	Temperature Outlet
Min.	Lb	°F	°F	ft <sup>3</sup>		°F	°F	°F	ft <sup>3</sup>		°F	°F	°F	ΔP in.H <sub>2</sub> O	°F	°F	
410	076.5	126	95	729.1	30	84	84	85	103.5	30	85	85	85	.260	.015	176	181
420	076.0	122	94	729.6	30	83	83	85	104.0	30	84	84	85	.258	.015	175	180
430	076.0	119	94	730.1	30	83	83	85	104.5	30	84	85	85	.256	.015	174	179
440	075.5	117	94	730.7	30	83	83	85	105.1	30	84	85	85	.258	.013	173	178
450	075.5	116	94	731.2	30	83	83	85	105.6	30	84	84	85	.258	.013	172	177
460	074.5	206	105	731.7	30	83	83	85	106.1	30	84	84	85	.255	.030	172	177
470	071.0	151	97	723.3	30	83	83	86	106.6	30	84	84	85	.258	.020	174	184
480	070.0	130	94	732.8	30	83	83	86	107.2	30	84	84	85	.258	.018	177	183
490	070.0	124	94	733.4	30	83	83	85	107.7	30	84	84	85	.260	.015	176	182
500	069.5	120	93	733.9	30	83	83	85	108.2	30	84	84	85	.258	.015	175	181
510	069.5	118	93	734.5	30	83	83	85	108.7	30	84	84	85	.260	.015	174	180
520	069.5	115	93	735.0	30	83	83	85	109.3	30	84	84	85	.260	.013	172	178
530	069.0	149	97	735.6	30	83	83	85	109.8	30	84	84	85	.258	.020	171	177
540	065.0	211	100	736.1	30	83	83	86	110.3	30	84	84	85	.258	.023	177	184
550	064.5	135	94	736.7	30	83	83	85	110.9	30	84	84	85	.262	.018	177	184
560	063.5	127	93	737.3	30	83	83	85	111.5	30	83	84	85	.255	.015	176	182
570	063.5	122	93	737.8	30	82	83	85	112.0	30	83	84	84	.256	.015	174	181
580	063.5	118	93	738.4	30	82	83	85	112.5	30	83	84	84	.256	.013	173	179
590	063.0	116	92	739.0	30	82	83	85	113.1	30	83	83	84	.255	.013	171	178
600	062.0	229	107	739.6	30	82	82	85	113.7	30	83	83	84	.247	.031	171	177
610	059.0	148	95	740.1	30	82	82	85	114.2	30	83	83	84	.255	.020	178	185
620	058.5	128	93	740.6	30	82	82	85	114.7	30	83	83	84	.257	.016	177	184
630	058.5	123	92	741.2	30	82	82	85	115.3	30	83	83	84	.258	.014	175	182
640	058.0	119	92	741.7	30	82	82	85	115.8	30	83	83	84	.255	.012	174	180
650	050.0	116	92	742.3	30	82	82	84	116.4	30	83	83	84	.257	.011	172	179
660	058.0	114	91	742.9	30	82	82	84	117.0	30	83	83	84	.256	.011	171	178
670	056.5	258	112	743.4	30	82	82	84	117.5	30	83	83	83	.252	.032	172	178
680	054.5	142	93	744.0	30	82	82	84	118.0	30	83	83	84	.256	.019	177	184
690	054.0	125	92	744.5	30	82	82	84	118.5	30	83	83	84	.257	.015	176	182
700	054.0	119	91	745.1	30	81	82	84	119.1	30	83	83	84	.257	.013	175	181
710	053.5	117	91	745.6	30	82	82	84	119.6	30	83	83	83	.257	.012	174	180
720	053.5	115	91	746.2	30	82	82	84	120.2	30	82	83	83	.255	.016	172	179
730	053.5	149	96	746.7	30	81	82	84	120.7	30	82	83	83	.255	.016	171	177
740	051.0	307	124	747.3	30	81	82	85	121.3	30	83	83	84	.254	.040	175	182
750	050.0	132	92	747.8	30	81	82	84	121.8	30	83	83	84	.257	.016	176	183
760	050.0	123	91	748.4	30	81	82	84	122.3	30	83	83	83	.257	.014	175	182
770	049.5	118	91	748.9	30	81	82	84	122.9	30	83	83	83	.257	.012	174	181
780	049.5	116	91	749.5	30	81	81	83	123.4	30	82	83	83	.258	.011	173	179
790	049.5	115	90	750.1	30	81	81	83	124.0	30	82	82	83	.256	.011	172	178
800	049.0	221	105	750.6	30	81	81	83	124.5	30	82	83	83	.252	.025	171	177
810	046.5	149	93	751.6	30	81	81	84	124.1	30	82	83	83	.257	.019	178	184

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Furnace B Modified Method 5G Meter Box Data for Run 3  
 Date: 19 June 1995

Elapsed Time	Weight Remain	Flue Gas	Tunnel Temp	DGM #1 Read	ROTO 1 Read	DGM Temp	DGM Temp	Filter Temp	DGM #2 Read	ROTO 2 Read	DGM Temp	DGM Temp	Filter Temp	Tunnel Velocity	Draft in.H <sub>2</sub> O	Water Inlet	Temperature Outlet
Min.	Lb	Temp °F	°F	ft <sup>3</sup>		Inlet °F	Outlet °F	°F	ft <sup>3</sup>		Inlet °F	Outlet °F	°F	ΔP in.H <sub>2</sub> O	°F	°F	
820	045.5	126	91	751.7	30	81	82	84	125.6	30	82	83	83	.255	.015	177	183
830	045.5	120	91	752.3	30	81	81	83	126.2	30	82	82	83	.256	.013	175	181
840	045.5	116	90	752.9	30	81	81	83	126.7	30	82	82	83	.257	.012	174	180
850	045.5	115	90	753.4	30	81	81	83	127.2	30	82	82	83	.256	.011	173	179
860	045.0	115	90	754.0	30	81	81	83	127.8	30	82	82	82	.258	.010	172	178
870	044.0	231	106	754.5	30	81	81	83	128.3	30	82	82	82	.252	.027	171	178
880	042.0	151	93	755.0	30	81	81	83	128.9	30	82	82	83	.257	.020	177	183
890	041.5	125	91	755.5	30	81	81	83	129.4	30	82	82	83	.256	.015	176	183
900	041.5	119	90	756.1	30	80	81	83	130.0	30	82	82	82	.258	.014	175	182
910	041.5	116	90	756.7	30	81	81	83	130.8	30	82	82	82	.256	.012	174	180
920	041.5	114	89	757.3	30	81	81	83	131.0	30	82	82	82	.257	.011	173	179
930	041.0	114	89	757.8	30	80	81	83	131.5	30	82	82	82	.258	.010	172	178
940	040.5	207	102	758.3	30	80	81	83	132.0	30	82	82	82	.262	.022	171	177
950	037.5	177	94	758.8	30	81	81	83	132.5	30	82	82	82	.261	.020	178	184
960	037.5	127	90	759.3	30	81	81	83	133.0	30	82	82	82	.263	.011	177	184
970	037.0	120	89	759.8	30	81	81	83	133.5	30	82	82	82	.263	.014	177	182
980	037.0	117	89	700.4	30	81	81	82	134.1	30	81	82	82	.268	.012	176	181
990	036.5	115	88	760.9	30	80	81	82	134.6	30	81	81	82	.263	.011	175	180
1000	036.5	113	88	761.4	30	80	80	82	135.2	30	81	81	81	.263	.011	174	179
1010	036.5	113	88	763.0	30	80	80	82	135.7	30	81	81	81	.265	.011	172	178
1020	035.5	243	107	762.5	30	80	80	82	136.3	30	81	81	81	.258	.038	172	177
1030	033.5	143	90	763.1	30	81	80	82	136.8	30	81	81	81	.262	.017	178	184
1040	033.0	123	88	763.6	30	80	80	82	137.3	30	81	81	81	.264	.014	177	183
1050	033.0	118	88	764.2	30	80	80	81	137.9	30	80	81	81	.264	.013	176	182
1060	032.5	114	88	764.7	30	80	80	81	138.4	30	80	81	81	.262	.012	175	180
1070	032.5	113	88	765.2	30	80	80	81	138.9	30	80	81	80	.262	.012	174	179
1080	032.5	112	87	765.8	30	79	80	81	139.5	30	80	80	80	.262	.011	173	179
1090	32.5	143	92	766.4	30	80	80	81	140.1	30	80	81	80	.261	.018	172	177
1100	029.5	194	94	766.8	30	80	80	81	140.6	30	81	81	81	.262	.021	179	185
1110	029.0	126	89	767.4	30	80	80	81	141.1	30	80	80	80	.262	.015	178	184
1120	029.0	119	81	767.9	30	80	80	81	141.6	30	80	80	80	.262	.014	177	183
1130	029.0	115	88	768.5	30	80	80	81	142.2	30	80	81	81	.262	.012	175	181
1140	029.0	113	88	769.0	30	79	79	80	142.7	30	80	81	81	.261	.011	175	181
1150	028.5	112	88	769.5	30	79	80	81	143.2	30	80	80	80	.261	.010	174	179
1160	028.5	111	88	770.1	30	80	80	80	143.8	30	80	81	80	.260	.011	173	178
1170	028.0	221	104	770.6	30	80	80	81	144.3	30	81	81	81	.256	.031	172	178
1180	025.5	152	93	771.1	30	80	80	81	144.8	30	81	81	81	.259	.018	179	185
1190	025.5	124	90	771.7	30	80	80	81	145.3	30	81	81	81	.260	.016	177	184
1200	025.5	118	90	772.2	30	80	80	81	145.8	30	81	81	81	.259	.014	176	182
1210	025.5	115	90	772.7	30	80	80	81	146.4	30	81	81	81	.258	.014	175	181
1220	025.5	114	90	773.3	30	80	80	81	147.0	30	81	81	81	.259	.012	174	180

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Furnace B Modified Method 5G Meter Box Data for Run 3  
 Date: 19 June 1995

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Elapsed Time	Weight Remain	Flue Gas Temp	Tunnel Temp °F	DGM #1 Read ft <sup>3</sup>	ROTO 1 Read	DGM Temp Inlet °F	DGM Temp Outlet °F	Filter Temp °F	DGM #2 Read ft <sup>3</sup>	ROTO 2 Read	DGM Temp Inlet °F	DGM Temp Outlet °F	Filter Temp °F	Tunnel Velocity ΔP in.H <sub>2</sub> O	Draft in.H <sub>2</sub> O	Water Inlet °F	Temperature Outlet °F
1230	025.5	113	90	773.8	30	80	80	81	147.5	30	81	81	81	.258	.011	172	178
1240	025.0	159	97	774.4	30	80	80	81	148.0	30	81	81	81	.256	.021	171	177
1250	022.5	194	97	774.9	30	81	80	82	148.5	30	81	82	81	.256	.019	178	184
1260	022.0	128	92	775.4	30	81	80	82	149.0	30	81	81	81	.258	.015	177	183
1270	022.0	120	92	778.0	30	81	80	82	149.5	30	81	81	82	.257	.014	176	181
1280	021.5	117	92	776.5	30	81	81	82	150.1	30	81	81	82	.259	.012	175	180
1290	021.5	116	92	777.0	30	81	81	82	150.6	30	81	81	82	.260	.012	174	179
1300	021.5	115	92	777.6	30	81	80	82	151.1	30	81	81	82	.256	.011	173	179
1310	021.5	115	92	778.1	30	81	81	82	151.7	30	82	82	82	.256	.011	172	178
1320	020.0	250	112	778.6	30	81	81	83	152.2	30	82	82	82	.251	.034	173	179
1330	018.5	146	95	779.2	30	81	81	83	152.7	30	82	82	83	.256	.018	178	184
1340	018.5	125	93	779.7	30	82	81	82	153.2	30	82	82	82	.255	.015	177	183
1350	018.0	120	93	780.2	30	82	81	83	153.7	30	82	82	82	.255	.013	176	182
1360	018.0	118	93	780.7	30	81	81	83	154.3	30	82	82	82	.254	.012	175	181
1370	018.0	117	93	781.3	30	82	82	83	154.8	30	82	82	83	.260	.012	174	180
1380	017.5	117	93	781.8	30	81	81	83	155.3	30	82	82	83	.255	.011	173	178
1390	017.5	116	94	782.4	30	82	82	83	155.8	30	82	82	83	.255	.010	171	177
1400	016.5	220	109	782.9	30	82	82	83	156.4	30	82	82	83	.250	.031	172	178
1410	014.5	158	97	783.4	30	82	82	84	156.9	30	83	82	83	.256	.020	178	184
1420	014.5	127	95	783.9	30	82	82	84	157.4	30	83	83	83	.255	.015	177	183
1430	014.5	122	95	784.5	30	82	82	83	157.9	30	83	83	83	.258	.014	176	182
1440	014.5	119	95	785.1	30	83	82	84	158.5	30	83	83	84	.255	.013	176	181
1450	014.0	118	94	785.6	30	83	82	84	159.0	30	83	83	84	.257	.012	174	180
1460	014.0	118	95	786.1	30	82	83	84	159.5	30	83	84	84	.253	.010	173	179
1470	014.0	115	95	786.6	30	83	83	84	160.1	30	83	84	84	.254	.011	172	177
1480	013.5	194	108	787.1	30	83	83	84	160.6	30	83	83	84	.254	.023	171	177
1490	011.5	244	104	787.6	30	83	83	85	161.0	30	84	84	84	.253	.021	177	183
1500	011.0	132	96	788.2	30	83	83	85	161.6	30	84	84	84	.253	.015	177	183
1510	011.0	123	95	788.8	30	83	83	84	162.1	30	84	84	84	.255	.014	176	182
1520	011.0	121	95	789.3	30	83	83	84	162.6	30	84	84	83	.254	.013	175	181
1530	011.0	119	95	789.8	30	84	84	83	163.2	30	85	84	82	.255	.011	174	180
1540	011.0	119	96	790.3	30	84	84	83	163.7	30	85	85	82	.254	.011	174	179
1550	011.0	118	96	790.8	30	85	85	83	664.2	30	86	85	81	.254	.016	172	178
1560	011.0	139	99	791.4	30	86	86	82	164.7	30	87	85	81	.256	.016	171	176
1570	010.0	267	88	791.8	30	86	86	83	165.2	30	87	86	82	.250	.039	173	178
1580	008.5	147	98	792.2	30	86	86	84	165.7	30	87	86	83	.256	.019	177	183
1590	008.5	127	97	792.9	30	86	86	84	166.3	30	87	87	83	.255	.015	177	182
1600	008.5	123	97	793.5	30	86	86	84	166.8	30	87	87	84	.256	.014	176	181
1610	008.5	121	96	744.0	30	85	85	84	167.4	30	85	85	84	.255	.013	175	180
1620	008.0	119	96	794.5	30	84	85	85	167.9	30	84	85	84	.256	.013	174	179
1630	008.0	118	96	795.1	30	84	84	85	168.4	30	84	84	85	.255	.011	173	178

Furnace B Modified Method 5G Meter Box Data for Run 3  
 Date: 19 June 1995

E24

Elapsed Time	Weight Remain	Flue Gas Temp	Tunnel Temp	DGM #1 Read	ROTO 1 Read	DGM Temp Inlet	DGM Temp Outlet	Filter Temp	DGM #2 Read	ROTO 2 Read	DGM Temp Inlet	DGM Temp Outlet	Filter Temp	Tunnel Velocity	Draft in.H <sub>2</sub> O	Water Inlet	Temperature Outlet
Min.	Lb	°F	°F	ft <sup>3</sup>		°F	°F	°F	ft <sup>3</sup>		°F	°F	°F	ΔP in.H <sub>2</sub> O		°F	°F
1640	008.0	118	96	795.6	30	84	84	85	169.0	30	84	84	85	.255	.011	172	177
1650	007.5	207	109	796.1	30	84	84	86	169.5	30	83	84	85	.250	.029	171	176
1660	005.5	202	103	796.6	30	84	84	86	170.0	30	83	84	86	.252	.020	177	183
1670	005.5	131	98	797.1	30	84	83	86	170.5	30	83	84	86	.254	.018	177	182
1680	005.5	125	97	797.7	30	84	83	86	171.0	30	83	83	86	.255	.015	176	181
1690	005.5	122	97	798.2	30	83	83	86	171.5	30	83	83	86	.253	.012	175	180
1700	005.5	120	97	798.8	30	83	83	86	172.1	30	83	83	86	.252	.013	174	179
1710	005.5	119	97	799.3	30	83	84	86	172.6	30	83	84	86	.255	.011	173	178
1720	005.0	119	97	799.9	30	84	83	86	173.2	30	83	84	86	.256	.011	171	177
1730	005.0	173	104	800.4	30	83	83	87	173.7	30	83	84	86	.253	.020	171	176
1740	003.5	241	116	800.9	30	84	83	87	174.2	30	83	84	86	.251	.030	173	179
1750	002.5	144	99	801.5	30	84	84	87	174.7	30	83	84	87	.255	.016	177	183
1760	002.5	126	98	802.2	30	84	83	87	175.3	30	83	84	87	.257	.015	176	181
1770	002.5	122	97	802.5	30	85	84	86	175.8	30	84	84	85	.256	.013	175	181
1780	002.5	121	98	803.1	30	85	85	85	176.4	30	86	86	85	.256	.012	174	179
1790	002.5	120	98	803.7	30	86	86	85	177.0	30	87	86	84	.255	.011	173	179
1800	002.5	119	97	804.2	30	87	86	84	177.5	30	88	87	84	.256	.011	172	177
1810	002.5	153	102	804.7	30	87	87	84	178.0	30	88	88	84	.256	.018	171	176
1820	001.5	206	109	805.2	30	88	87	84	178.5	30	88	88	84	.253	.026	172	177
1830	000.5	229	114	805.7	30	88	87	84	178.0	30	88	88	84	.253	.030	175	180
1833	000.0	197	103	805.8	30	87	87	84	179.0	30	88	88	84	.255	.020	178	182