APPENDIX C

DRYER FIELD DATA

Dryer Exhaust Summaries

Dryer On

Cycle Duration (min)	Time	Load No.	Ave THC Conc	MW	(SCFM)	lb/hr	RF	Adjusted lb/hr
33	09:50 - 10:23	1	407.9	12	6357	4.83	1.043	5.04
20	10:33 - 11:53	2	478.6	12	6357	5.67	1.043	5.92
35	11:18 - 11:53	3	677.8	12	6357	8.03	1.043	8.38
32	12:08 - 12:40	4	748.8	12	6357	8.88	1.043	9.26
32	12:50 - 13:22	5	646.6	12	6357	7.67	1.043	8.00
34	14:01 - 14:35	6	655.4	12	6357	7.77	1.043	8.11
31	14:52 - 15:23	7	636.0	12	6357	7.54	1.043	7.87
32	15:33 - 16:05	8	NA					
32	16:10 - 16:42	9	501.2	12	6357	5.94	1.043	6.20
32	16:47 - 17:19	10	430.4	12	6357	5.10	1.043	5.32
32	17:25 - 17:57	11	617.0	12	6357	7.31	1.043	7.63
31	18:01 - 18:32	12	482.3	12	6357	5.72	1.043	5.97
376	Average		568.2	12	6357	6.74	1.043	7.03

Dryer Off

	Ave THC Conc	MW	(SCFM)	lb/hr	RF	lb/hr
	306.0	12	422	0.24	1.043	0.25

M25 Response Factor

	M25A Data	Loads	Conc	MW	(SCFM)	lb/hr	RF
D-1	09:50 - 10:23, 10:33 - 11:07	1 and 2	426.0	12	6357	5.05	
D-2	12:08 - 12:40, 12:50 - 13:22	4 and 5	697.7	12	6357	8.27	
D-3	14:01 -14:35, 14:52 - 15:23	6 and 7	646.1	12	6357	7.66	
	M25 Data						
D-1	09:50 - 10:23, 10:33 - 11:07	1 and 2					
D-2	12:08 - 12:40, 12:50 - 13:22	4 and 5	728	12	6357	8.63	1.043
D-3	14:01 -14:35, 14:52 - 15:23	6 and 7	1963	12	6357	23.27	3.038
	Average Response Factor (RF)			1.043			1.043

Notes:

1. Emission rates are reported in pounds per hour as carbon.
2. The response factor is the ratio of Method 25 TGNMO emission rate to the Method 25A VOC emission rate.
3. Two response factor development tests were conducted for each towel type; however, only one response factor test for each towel type was used for emissions calculations. The first shop towel test (Test D-1) was invalidated as the Method 25 sample was inadvertanlty lost when the operator left the sampling valve open during recovery and allowed ambient air to be sucked into the sampling train. The third shop towel test (Test D-3) had an unusual high TGNMO value from the Method 25 test. The D-3 Method 25 test was approximately 3 times higher than any other shop towel sample which strongly indicates a sampling or analytical problem. The EPA Method TO-15 data also supports the conclusion that the D-3 Method 25 test was biased.

CEM CALIBRATION DATA
EPA Method 25A

Firm: G&K
Location: Manchester, NH
Operator K Laakso
Sample Location: Dryer
Date: 13-May-09

Analyzer: California Analytical
Span Value (S): 8960
Analyzer Range: 8960

TOTAL HYDROCARBONS

PRE-TEST Calibration Error Check:

	Cylinder ID	Cylinder Gas Conc. (Ca)	Analyzer Response (C)	Slope (m)	Predicted Response (pr)	Calibration Error (<5%) (ce)
Zero, C_O		0.0	1.80			
C_{low} (25-35% span)	alm 051251	2480.0	2560.6	1.0100	2504.7	2.3%
C_{mid} (45-55% span)	alm 049930	4480.0	4598.8	1.0100	4524.7	1.7%
C_{high} (80-90% span)	alm 013180	8960.0	9051.2	1.0100	9049.4	0.0%

Calibration Drift Check:

Run No:				
Time			15:30	18:40
Initial Zero		C_{OI}	8.9	106.4
Initial Span		C_{MI}	8984.0	8864.1
Final Zero		C_{OF}	106.4	150.8
Final Span		C_{MF}	8864.1	8678.6
Calibration Drift (< 3%)		CD_O	-1.1%	-0.5%
Calibration Drift (< 3%)		CD_M	1.3%	2.1%
THC Conc. (ppm, wet)		C_{THCavg}		

Date	Time	THC - Dryer (ppm)
5/13/2009	7:06:11 AM	
5/13/2009	7:07:11 AM	168.9
5/13/2009	7:08:11 AM	7.1
5/13/2009	7:09:11 AM	4.5
5/13/2009	7:10:11 AM	3.1
5/13/2009	7:11:11 AM	3.8
5/13/2009	7:11:12 AM	2.2
5/13/2009	7:11:12 AM	9071.6
5/13/2009	7:11:12 AM	34.4
5/13/2009	7:11:12 AM	33.4
5/13/2009	7:11:12 AM	4629.1
5/13/2009	7:11:12 AM	4631.7
5/13/2009	7:11:12 AM	2553.7
5/13/2009	7:11:12 AM	2562.9
5/13/2009	7:11:12 AM	30.1
5/13/2009	7:11:12 AM	2.8
5/13/2009	7:11:12 AM	0.8
5/13/2009	7:11:12 AM	-1.8
5/13/2009	7:11:12 AM	2.2
5/13/2009	7:11:12 AM	4.8
5/13/2009	7:11:12 AM	8.4
5/13/2009	7:11:12 AM	66.6
5/13/2009	7:11:12 AM	137.3
5/13/2009	7:11:12 AM	177.4
5/13/2009	7:11:12 AM	183.0
5/13/2009	7:11:12 AM	181.1
5/13/2009	7:11:12 AM	101.1
5/13/2009	7:11:12 AM	78.8
5/13/2009	7:11:12 AM	94.6
5/13/2009	7:11:12 AM	185.0
5/13/2009	7:11:12 AM	120.5
5/13/2009	7:11:12 AM	176.1
5/13/2009	7:11:12 AM	179.7
5/13/2009	7:11:12 AM	78.5
5/13/2009	7:11:12 AM	168.9
5/13/2009	7:11:12 AM	76.8
5/13/2009	7:11:12 AM	197.8
5/13/2009	7:11:12 AM	207.0
5/13/2009	7:11:12 AM	76.8
5/13/2009	7:11:12 AM	85.7
5/13/2009	7:11:12 AM	194.9
5/13/2009	7:11:12 AM	187.3
5/13/2009	7:48:12 AM	187.3
5/13/2009	7:49:12 AM	176.4
5/13/2009	7:49:13 AM	188.3
5/13/2009	7:50:13 AM	145.5
5/13/2009	7:51:13 AM	189.9
5/13/2009	7:52:13 AM	199.5
5/13/2009	7:53:13 AM	186.6
5/13/2009	7:54:13 AM	138.6
5/13/2009	7:55:13 AM	136.0
5/13/2009	7:56:13 AM	44.6
5/13/2009	7:57:13 AM	85.0
5/13/2009	7:58:13 AM	184.3
5/13/2009	7:59:13 AM	162.3
5/13/2009	8:00:13 AM	140.9
5/13/2009	8:01:13 AM	139.9
5/13/2009	8:02:13 AM	81.4
5/13/2009	8:03:13 AM	63.3
5/13/2009	8:04:13 AM	81.4
5/13/2009	8:05:13 AM	145.5
5/13/2009	8:06:13 AM	143.9
5/13/2009	8:07:13 AM	69.6
5/13/2009	8:08:13 AM	67.9
5/13/2009	8:09:13 AM	116.6
5/13/2009	8:10:13 AM	87.3
5/13/2009	8:11:13 AM	176.8
5/13/2009	8:12:13 AM	188.9

5/13/2009	8:13:13 AM	198.5
5/13/2009	8:14:13 AM	193.2
5/13/2009	8:15:13 AM	193.5
5/13/2009	8:16:13 AM	185.7
5/13/2009	8:17:13 AM	189.6
5/13/2009	8:18:13 AM	149.2
5/13/2009	8:19:13 AM	93.6
5/13/2009	8:20:13 AM	72.9
5/13/2009	8:21:13 AM	76.1
5/13/2009	8:22:13 AM	149.5
5/13/2009	8:23:13 AM	193.5
5/13/2009	8:24:13 AM	175.8
5/13/2009	8:25:13 AM	202.4
5/13/2009	8:26:13 AM	207.7
5/13/2009	8:27:13 AM	212.6
5/13/2009	8:28:13 AM	184.7
5/13/2009	8:29:13 AM	211.6
5/13/2009	8:30:13 AM	207.0
5/13/2009	8:31:13 AM	195.2
5/13/2009	8:32:13 AM	197.5
5/13/2009	8:33:13 AM	212.0
5/13/2009	8:34:13 AM	205.7
5/13/2009	8:35:13 AM	209.7
5/13/2009	8:36:13 AM	204.1
5/13/2009	8:37:13 AM	205.7
5/13/2009	8:38:13 AM	213.6
5/13/2009	8:39:13 AM	211.0
5/13/2009	8:40:13 AM	212.0
5/13/2009	8:41:13 AM	218.9
5/13/2009	8:42:13 AM	221.2
5/13/2009	8:43:13 AM	217.6
5/13/2009	8:44:13 AM	216.6
5/13/2009	8:45:13 AM	219.2
5/13/2009	8:46:13 AM	217.6
5/13/2009	8:47:13 AM	214.9
5/13/2009	8:48:13 AM	221.5
5/13/2009	8:49:13 AM	218.2
5/13/2009	8:50:13 AM	225.1
5/13/2009	8:51:13 AM	229.1
5/13/2009	8:52:13 AM	230.7
5/13/2009	8:53:13 AM	223.8
5/13/2009	8:54:13 AM	230.7
5/13/2009	8:55:13 AM	226.1
5/13/2009	8:56:13 AM	232.4
5/13/2009	8:57:13 AM	234.3
5/13/2009	8:58:13 AM	231.0
5/13/2009	8:59:13 AM	222.2
5/13/2009	9:00:13 AM	229.4
5/13/2009	9:01:13 AM	232.4
5/13/2009	9:02:13 AM	235.6
5/13/2009	9:03:13 AM	237.0
5/13/2009	9:04:13 AM	223.5
5/13/2009	9:05:13 AM	231.0
5/13/2009	9:06:13 AM	121.9
5/13/2009	9:07:13 AM	226.1
5/13/2009	9:08:13 AM	232.0
5/13/2009	9:09:13 AM	234.3
5/13/2009	9:10:13 AM	232.4
5/13/2009	9:11:13 AM	231.0
5/13/2009	9:12:13 AM	201.8
5/13/2009	9:13:13 AM	251.8
5/13/2009	9:14:13 AM	254.1
5/13/2009	9:15:13 AM	258.0
5/13/2009	9:16:13 AM	126.8
5/13/2009	9:17:13 AM	202.8
5/13/2009	9:18:13 AM	250.8
5/13/2009	9:19:13 AM	252.4
5/13/2009	9:20:13 AM	252.4
5/13/2009	9:21:13 AM	210.6
5/13/2009	9:22:13 AM	211.0
5/13/2009	9:23:13 AM	134.0
5/13/2009	9:24:13 AM	8950.9

Dryer FID On-line

5/13/2009	9:25:13 AM	299.8	
5/13/2009	9:26:13 AM	268.9	
5/13/2009	9:27:13 AM	265.2	
5/13/2009	9:28:13 AM	260.6	
5/13/2009	9:29:13 AM	238.6	
5/13/2009	9:30:13 AM	221.5	
5/13/2009	9:31:13 AM	123.8	
5/13/2009	9:32:13 AM	127.1	
5/13/2009	9:33:13 AM	203.4	
5/13/2009	9:34:13 AM	100.8	
5/13/2009	9:35:13 AM	129.4	
5/13/2009	9:36:13 AM	834.8	
5/13/2009	9:37:13 AM	123.2	
5/13/2009	9:38:13 AM	115.3	
5/13/2009	9:39:13 AM	114.6	
5/13/2009	9:40:13 AM	1135.4	
5/13/2009	9:41:13 AM	51.8	
5/13/2009	9:42:13 AM	47.5	
5/13/2009	9:43:13 AM	48.9	
5/13/2009	9:44:13 AM	48.5	
5/13/2009	9:45:13 AM	103.1	
5/13/2009	9:46:13 AM	509.6	
5/13/2009	9:47:13 AM	803.2	**Start Dryer M25-1/TO15-1 - Test**
5/13/2009	9:48:13 AM	0.0	
5/13/2009	9:49:13 AM	249.5	
5/13/2009	9:50:13 AM	205.4	**Start Dryer Load 1 - Restart M25**
5/13/2009	9:51:13 AM	270.5	
5/13/2009	9:52:13 AM	364.2	
5/13/2009	9:53:13 AM	451.4	
5/13/2009	9:54:13 AM	568.1	
5/13/2009	9:55:13 AM	576.0	
5/13/2009	9:56:13 AM	527.7	
5/13/2009	9:57:13 AM	558.9	
5/13/2009	9:58:13 AM	539.2	
5/13/2009	9:59:13 AM	517.5	
5/13/2009	10:00:13 AM	515.2	
5/13/2009	10:01:13 AM	474.7	
5/13/2009	10:02:13 AM	470.4	
5/13/2009	10:03:13 AM	478.3	
5/13/2009	10:04:13 AM	464.2	
5/13/2009	10:05:13 AM	411.6	
5/13/2009	10:06:13 AM	457.6	
5/13/2009	10:07:13 AM	411.2	
5/13/2009	10:08:13 AM	361.3	
5/13/2009	10:09:13 AM	0.0	
5/13/2009	10:10:13 AM	0.0	
5/13/2009	10:11:13 AM	0.0	
5/13/2009	10:12:13 AM	343.2	
5/13/2009	10:13:13 AM	335.3	
5/13/2009	10:14:13 AM	325.1	
5/13/2009	10:15:13 AM	322.1	
5/13/2009	10:16:13 AM	321.8	
5/13/2009	10:17:13 AM	440.2	
5/13/2009	10:18:13 AM	439.2	
5/13/2009	10:19:13 AM	406.0	
5/13/2009	10:20:13 AM	341.5	
5/13/2009	10:21:13 AM	305.0	
5/13/2009	10:22:13 AM	200.8	
5/13/2009	10:23:13 AM	239.9	**End Dryer Load 1**

Average (Load 1) **407.9** excludes zero data from 10:09 - 10:11

5/13/2009	10:24:13 AM	135.7	
5/13/2009	10:25:13 AM	98.5	
5/13/2009	10:26:13 AM	88.3	
5/13/2009	10:27:13 AM	166.3	
5/13/2009	10:28:13 AM	209.7	
5/13/2009	10:29:13 AM	203.4	
5/13/2009	10:30:13 AM	194.5	
5/13/2009	10:31:13 AM	190.6	
5/13/2009	10:32:13 AM	193.2	

5/13/2009	10:33:13 AM	432.6	**Start Dryer Load 2**
5/13/2009	10:34:13 AM	619.1	
5/13/2009	10:35:13 AM	652.3	
5/13/2009	10:36:13 AM	656.6	
5/13/2009	10:37:13 AM	606.3	
5/13/2009	10:38:13 AM	564.5	
5/13/2009	10:39:13 AM	465.5	
5/13/2009	10:40:13 AM	550.4	
5/13/2009	10:41:13 AM	562.8	
5/13/2009	10:42:13 AM	567.8	
5/13/2009	10:43:13 AM	541.8	
5/13/2009	10:44:13 AM	540.5	
5/13/2009	10:45:13 AM	535.2	
5/13/2009	10:46:13 AM	550.0	
5/13/2009	10:47:13 AM	517.5	
5/13/2009	10:48:13 AM	490.8	
5/13/2009	10:49:13 AM	480.3	
5/13/2009	10:50:13 AM	489.5	
5/13/2009	10:51:13 AM	479.3	
5/13/2009	10:52:13 AM	473.7	
5/13/2009	10:53:13 AM	473.1	
5/13/2009	10:54:13 AM	469.1	
5/13/2009	10:55:13 AM	471.4	
5/13/2009	10:56:13 AM	461.2	
5/13/2009	10:57:13 AM	442.8	
5/13/2009	10:58:13 AM	444.5	
5/13/2009	10:59:13 AM	428.7	
5/13/2009	11:00:13 AM	438.5	
5/13/2009	11:01:13 AM	429.3	
5/13/2009	11:02:13 AM	425.7	
5/13/2009	11:03:13 AM	361.3	
5/13/2009	11:04:13 AM	328.0	
5/13/2009	11:05:13 AM	307.7	
5/13/2009	11:06:13 AM	284.3	
5/13/2009	11:07:13 AM	210.0	**End Dryer Load 2 - End Dryer M**
Average (Load 2 Only)		**478.6**	
Average (Load 1 and 2)		**426.0**	
5/13/2009	11:08:13 AM	256.4	
5/13/2009	11:09:13 AM	243.2	
5/13/2009	11:10:13 AM	231.7	
5/13/2009	11:11:13 AM	218.2	
5/13/2009	11:12:13 AM	220.5	
5/13/2009	11:13:13 AM	212.0	
5/13/2009	11:14:13 AM	227.7	
5/13/2009	11:15:13 AM	214.3	
5/13/2009	11:16:13 AM	228.4	
5/13/2009	11:17:13 AM	217.9	
5/13/2009	11:18:13 AM	223.1	**Start Dryer Run 3**
5/13/2009	11:19:13 AM	733.2	
5/13/2009	11:20:13 AM	862.4	
5/13/2009	11:21:13 AM	917.7	
5/13/2009	11:22:13 AM	989.0	
5/13/2009	11:23:13 AM	965.0	
5/13/2009	11:24:13 AM	945.3	
5/13/2009	11:25:13 AM	911.1	
5/13/2009	11:26:13 AM	861.1	
5/13/2009	11:27:13 AM	777.9	
5/13/2009	11:28:13 AM	741.4	
5/13/2009	11:29:13 AM	706.2	
5/13/2009	11:30:13 AM	702.3	
5/13/2009	11:31:13 AM	714.8	
5/13/2009	11:32:12 AM	744.7	
5/13/2009	11:33:13 AM	735.8	
5/13/2009	11:34:13 AM	678.3	
5/13/2009	11:35:13 AM	642.8	
5/13/2009	11:36:13 AM	726.0	
5/13/2009	11:37:13 AM	729.6	
5/13/2009	11:38:13 AM	737.8	

5/13/2009	11:39:13 AM	690.1	
5/13/2009	11:40:13 AM	689.8	
5/13/2009	11:41:13 AM	633.5	
5/13/2009	11:42:13 AM	659.5	
5/13/2009	11:43:13 AM	656.6	
5/13/2009	11:44:13 AM	651.3	
5/13/2009	11:45:13 AM	537.9	
5/13/2009	11:46:13 AM	616.4	
5/13/2009	11:47:13 AM	604.9	
5/13/2009	11:48:13 AM	527.0	
5/13/2009	11:49:13 AM	478.0	
5/13/2009	11:50:13 AM	436.2	
5/13/2009	11:51:13 AM	409.9	
5/13/2009	11:52:13 AM	383.6	
5/13/2009	11:53:13 AM	380.0	**End Dryer Load 3**
Average (Load 3)		**677.8**	
5/13/2009	11:54:13 AM	356.3	
5/13/2009	11:55:13 AM	317.9	
5/13/2009	11:56:13 AM	299.8	
5/13/2009	11:57:13 AM	296.5	
5/13/2009	11:58:13 AM	285.0	
5/13/2009	11:59:13 AM	268.2	
5/13/2009	12:00:13 PM	263.9	
5/13/2009	12:01:13 PM	258.7	
5/13/2009	12:02:13 PM	254.4	
5/13/2009	12:03:13 PM	249.1	
5/13/2009	12:04:13 PM	246.2	
5/13/2009	12:05:13 PM	245.5	
5/13/2009	12:06:13 PM	240.6	
5/13/2009	12:07:13 PM	236.0	
5/13/2009	12:08:13 PM	714.8	**Start Dryer Load 4 - Start Dryer**
5/13/2009	12:09:13 PM	1581.3	
5/13/2009	12:10:13 PM	1297.8	
5/13/2009	12:11:13 PM	1234.4	
5/13/2009	12:12:13 PM	1113.3	
5/13/2009	12:13:13 PM	1019.9	
5/13/2009	12:14:13 PM	964.7	
5/13/2009	12:15:13 PM	987.1	
5/13/2009	12:16:13 PM	882.5	
5/13/2009	12:17:13 PM	799.6	
5/13/2009	12:18:13 PM	795.3	
5/13/2009	12:19:13 PM	744.0	
5/13/2009	12:20:13 PM	685.2	
5/13/2009	12:21:13 PM	677.3	
5/13/2009	12:22:13 PM	771.7	
5/13/2009	12:23:13 PM	749.0	
5/13/2009	12:24:13 PM	744.4	
5/13/2009	12:25:13 PM	733.5	
5/13/2009	12:26:13 PM	673.3	
5/13/2009	12:27:13 PM	677.3	
5/13/2009	12:28:13 PM	653.0	
5/13/2009	12:29:13 PM	666.1	
5/13/2009	12:30:13 PM	657.9	
5/13/2009	12:31:13 PM	625.0	
5/13/2009	12:32:13 PM	599.7	
5/13/2009	12:33:13 PM	586.9	
5/13/2009	12:34:13 PM	578.0	
5/13/2009	12:35:13 PM	552.0	
5/13/2009	12:36:13 PM	464.5	
5/13/2009	12:37:13 PM	409.9	
5/13/2009	12:38:13 PM	377.4	
5/13/2009	12:39:13 PM	359.0	
5/13/2009	12:40:13 PM	333.3	**End Dryer Run 4 - End Washroo**
Average (Load 4)		**748.8**	
5/13/2009	12:41:13 PM	315.2	
5/13/2009	12:42:13 PM	294.2	
5/13/2009	12:43:13 PM	285.6	

5/13/2009	12:44:13 PM	258.3	
5/13/2009	12:45:13 PM	264.9	
5/13/2009	12:46:13 PM	261.0	
5/13/2009	12:47:13 PM	255.0	
5/13/2009	12:48:13 PM	257.0	
5/13/2009	12:49:13 PM	251.1	
5/13/2009	12:50:13 PM	245.2	**Start Dryer Load 5**
5/13/2009	12:51:13 PM	314.9	
5/13/2009	12:52:13 PM	897.9	
5/13/2009	12:53:13 PM	772.7	
5/13/2009	12:54:13 PM	756.5	
5/13/2009	12:55:13 PM	753.3	
5/13/2009	12:56:13 PM	712.5	
5/13/2009	12:57:13 PM	708.2	
5/13/2009	12:58:13 PM	678.9	
5/13/2009	12:59:13 PM	698.0	
5/13/2009	1:00:13 PM	692.1	
5/13/2009	1:01:13 PM	664.1	
5/13/2009	1:02:13 PM	679.6	
5/13/2009	1:03:13 PM	635.5	
5/13/2009	1:04:13 PM	684.2	
5/13/2009	1:05:13 PM	678.3	
5/13/2009	1:06:13 PM	688.1	
5/13/2009	1:07:13 PM	674.3	
5/13/2009	1:08:13 PM	701.9	
5/13/2009	1:09:13 PM	685.8	
5/13/2009	1:10:13 PM	689.1	
5/13/2009	1:11:13 PM	675.3	
5/13/2009	1:12:13 PM	736.5	
5/13/2009	1:13:13 PM	776.6	
5/13/2009	1:14:13 PM	782.5	
5/13/2009	1:15:13 PM	765.7	
5/13/2009	1:16:13 PM	722.7	
5/13/2009	1:17:13 PM	629.6	
5/13/2009	1:18:13 PM	527.0	
5/13/2009	1:19:13 PM	472.4	
5/13/2009	1:20:13 PM	431.6	
5/13/2009	1:21:13 PM	407.0	
5/13/2009	1:22:14 PM	400.1	**End Dryer Run 5 - End Dryer M2**
Average (Load 5)		**646.6**	
Average (Load 4 and 5)		**697.7**	
5/13/2009	1:23:14 PM	372.1	
5/13/2009	1:24:14 PM	361.9	
5/13/2009	1:25:14 PM	374.1	
5/13/2009	1:26:14 PM	368.8	
5/13/2009	1:27:14 PM	350.4	
5/13/2009	1:28:14 PM	331.3	
5/13/2009	1:29:14 PM	338.2	
5/13/2009	1:30:14 PM	329.0	
5/13/2009	1:31:14 PM	333.0	
5/13/2009	1:32:14 PM	327.4	
5/13/2009	1:33:14 PM	320.8	
5/13/2009	1:34:14 PM	316.9	
5/13/2009	1:35:14 PM	312.9	
5/13/2009	1:36:14 PM	324.1	
5/13/2009	1:37:14 PM	315.2	
5/13/2009	1:38:14 PM	305.7	
5/13/2009	1:39:14 PM	307.3	
5/13/2009	1:40:14 PM	301.4	
5/13/2009	1:41:14 PM	290.9	
5/13/2009	1:42:14 PM	282.7	
5/13/2009	1:43:14 PM	284.3	
5/13/2009	1:44:14 PM	280.4	
5/13/2009	1:45:14 PM	286.9	
5/13/2009	1:46:14 PM	283.7	
5/13/2009	1:47:14 PM	285.3	
5/13/2009	1:48:14 PM	269.2	
5/13/2009	1:49:14 PM	268.5	
5/13/2009	1:50:14 PM	263.9	

5/13/2009	1:51:14 PM	259.3	
5/13/2009	1:52:14 PM	526.7	
5/13/2009	1:53:14 PM	870.6	
5/13/2009	1:54:14 PM	797.0	
5/13/2009	1:55:14 PM	697.0	
5/13/2009	1:56:14 PM	724.6	
5/13/2009	1:57:14 PM	626.6	
5/13/2009	1:58:14 PM	581.9	
5/13/2009	1:59:14 PM	602.3	
5/13/2009	2:00:14 PM	499.7	
5/13/2009	2:01:14 PM	362.9	**Start Dryer Run 6**
5/13/2009	2:02:14 PM	336.3	**Start Dryer M25-3**
5/13/2009	2:03:14 PM	1151.8	
5/13/2009	2:04:14 PM	1079.8	
5/13/2009	2:05:14 PM	993.3	
5/13/2009	2:06:14 PM	936.1	
5/13/2009	2:07:14 PM	904.2	
5/13/2009	2:08:14 PM	824.0	
5/13/2009	2:09:14 PM	804.9	
5/13/2009	2:10:14 PM	755.9	
5/13/2009	2:11:14 PM	726.6	
5/13/2009	2:12:14 PM	712.8	
5/13/2009	2:13:14 PM	699.6	
5/13/2009	2:14:14 PM	694.1	
5/13/2009	2:15:14 PM	692.4	
5/13/2009	2:16:14 PM	643.4	
5/13/2009	2:17:14 PM	659.9	
5/13/2009	2:18:14 PM	676.3	
5/13/2009	2:19:14 PM	621.7	
5/13/2009	2:20:14 PM	659.2	
5/13/2009	2:21:14 PM	648.0	
5/13/2009	2:22:14 PM	642.4	
5/13/2009	2:23:14 PM	669.4	
5/13/2009	2:24:14 PM	662.8	
5/13/2009	2:25:14 PM	649.0	
5/13/2009	2:26:14 PM	649.0	
5/13/2009	2:27:14 PM	625.7	
5/13/2009	2:28:14 PM	626.3	
5/13/2009	2:29:14 PM	586.2	
5/13/2009	2:30:14 PM	484.3	
5/13/2009	2:31:14 PM	415.2	
5/13/2009	2:32:14 PM	375.7	
5/13/2009	2:33:14 PM	340.2	
5/13/2009	2:34:14 PM	322.5	
5/13/2009	2:35:14 PM	308.6	**End Dryer Run 6**
Average (Load 6)		**655.4**	
5/13/2009	2:36:14 PM	282.7	
5/13/2009	2:37:14 PM	267.5	
5/13/2009	2:38:14 PM	259.6	
5/13/2009	2:39:14 PM	238.3	
5/13/2009	2:40:14 PM	248.5	
5/13/2009	2:41:14 PM	174.5	
5/13/2009	2:42:14 PM	242.2	
5/13/2009	2:43:14 PM	237.3	
5/13/2009	2:44:14 PM	250.4	
5/13/2009	2:45:14 PM	238.9	
5/13/2009	2:46:14 PM	229.4	
5/13/2009	2:47:14 PM	232.7	
5/13/2009	2:48:14 PM	228.1	
5/13/2009	2:49:14 PM	233.3	
5/13/2009	2:50:14 PM	245.8	
5/13/2009	2:51:14 PM	244.8	
5/13/2009	2:52:14 PM	616.4	**Start Dryer Run 7**
5/13/2009	2:53:14 PM	1130.4	
5/13/2009	2:54:14 PM	1007.8	
5/13/2009	2:55:14 PM	953.2	
5/13/2009	2:56:14 PM	908.5	

5/13/2009	2:57:14 PM	871.0	
5/13/2009	2:58:14 PM	839.4	
5/13/2009	2:59:14 PM	787.1	
5/13/2009	3:00:14 PM	727.6	
5/13/2009	3:01:14 PM	672.4	
5/13/2009	3:02:14 PM	672.0	
5/13/2009	3:03:14 PM	619.7	
5/13/2009	3:04:14 PM	621.4	
5/13/2009	3:05:14 PM	634.2	
5/13/2009	3:06:14 PM	628.0	
5/13/2009	3:07:14 PM	625.3	
5/13/2009	3:08:14 PM	602.3	
5/13/2009	3:09:14 PM	610.5	
5/13/2009	3:10:14 PM	650.6	
5/13/2009	3:11:14 PM	618.8	
5/13/2009	3:12:14 PM	600.7	
5/13/2009	3:13:14 PM	591.5	
5/13/2009	3:14:14 PM	586.9	
5/13/2009	3:15:14 PM	547.1	
5/13/2009	3:16:14 PM	531.6	
5/13/2009	3:17:14 PM	494.1	
5/13/2009	3:18:14 PM	457.6	
5/13/2009	3:19:14 PM	400.4	
5/13/2009	3:20:14 PM	360.9	
5/13/2009	3:21:14 PM	340.9	
5/13/2009	3:22:14 PM	324.4	**End Dryer Run 7**
5/13/2009	3:23:14 PM	318.8	**End Dryer M25-3**
Average (Load 7)		**636.0**	
Average (ILoad 6 and 7)		**646.1**	
5/13/2009	3:24:14 PM	286.0	
5/13/2009	3:25:14 PM	270.8	
5/13/2009	3:26:14 PM	258.3	
5/13/2009	3:27:14 PM	250.8	
5/13/2009	3:28:14 PM	237.9	
5/13/2009	3:29:14 PM	239.3	
5/13/2009	3:30:14 PM	221.5	**Calibrating Washroom FID and I**
5/13/2009	3:31:14 PM	7883.4	
5/13/2009	3:32:14 PM	8864.1 span	
5/13/2009	3:33:14 PM	1548.1	**Start Dryer Run 8**
5/13/2009	3:34:14 PM	165.6	
5/13/2009	3:35:14 PM	127.8	
5/13/2009	3:36:14 PM	106.4 zero	
5/13/2009	3:37:14 PM	668.7	
5/13/2009	3:38:14 PM	711.5	
5/13/2009	3:39:14 PM	715.1	
5/13/2009	3:40:14 PM	705.9	
5/13/2009	3:41:14 PM	654.6	
5/13/2009	3:42:14 PM	669.1	
5/13/2009	3:43:14 PM	632.6	
5/13/2009	3:44:14 PM	628.6	
5/13/2009	3:45:14 PM	614.1	
5/13/2009	3:46:14 PM	549.0	
5/13/2009	3:47:14 PM	604.9	
5/13/2009	3:48:14 PM	587.5	
5/13/2009	3:49:14 PM	570.7	
5/13/2009	3:50:14 PM	550.4	
5/13/2009	3:51:14 PM	543.4	
5/13/2009	3:52:14 PM	574.7	
5/13/2009	3:53:14 PM	567.5	
5/13/2009	3:54:14 PM	565.5	
5/13/2009	3:55:14 PM	554.0	
5/13/2009	3:56:14 PM	524.4	
5/13/2009	3:57:14 PM	497.7	
5/13/2009	3:58:14 PM	500.7	
5/13/2009	3:59:14 PM	498.7	
5/13/2009	4:00:14 PM	491.2	
5/13/2009	4:01:14 PM	429.0	
5/13/2009	4:02:14 PM	375.7	
5/13/2009	4:03:14 PM	328.7	
5/13/2009	4:04:14 PM	297.1	
5/13/2009	4:05:14 PM	288.3	**End Dryer Run 8**

No Average for Load 8 - FID was being calibrated at the begininng of the run

5/13/2009	4:06:14 PM	274.4	
5/13/2009	4:07:14 PM	264.6	
5/13/2009	4:08:14 PM	243.9	
5/13/2009	4:09:14 PM	238.9	
5/13/2009	4:10:14 PM	231.4	**Start Dryer Run 9**
5/13/2009	4:11:14 PM	234.0	
5/13/2009	4:12:14 PM	221.8	
5/13/2009	4:13:14 PM	863.4	
5/13/2009	4:14:14 PM	781.9	
5/13/2009	4:15:14 PM	797.6	
5/13/2009	4:16:14 PM	749.0	
5/13/2009	4:17:14 PM	717.7	
5/13/2009	4:18:14 PM	648.7	
5/13/2009	4:19:14 PM	669.4	
5/13/2009	4:20:14 PM	640.1	
5/13/2009	4:21:14 PM	605.3	
5/13/2009	4:22:14 PM	594.7	
5/13/2009	4:23:14 PM	564.8	
5/13/2009	4:24:14 PM	548.4	
5/13/2009	4:25:14 PM	534.2	
5/13/2009	4:26:14 PM	538.2	
5/13/2009	4:27:14 PM	537.5	
5/13/2009	4:28:14 PM	416.8	
5/13/2009	4:29:14 PM	401.7	
5/13/2009	4:30:14 PM	495.8	
5/13/2009	4:31:14 PM	503.7	
5/13/2009	4:32:14 PM	497.7	
5/13/2009	4:33:14 PM	501.7	
5/13/2009	4:34:14 PM	481.3	
5/13/2009	4:35:14 PM	465.5	
5/13/2009	4:36:14 PM	396.1	
5/13/2009	4:37:14 PM	444.8	
5/13/2009	4:38:14 PM	354.7	
5/13/2009	4:39:14 PM	310.9	
5/13/2009	4:40:14 PM	276.4	
5/13/2009	4:41:14 PM	264.9	
5/13/2009	4:42:14 PM	249.8	**End Dryer Run 9**
Average (Load 9)		**501.2**	
5/13/2009	4:43:14 PM	239.3	
5/13/2009	4:44:14 PM	213.0	
5/13/2009	4:45:14 PM	208.3	
5/13/2009	4:46:14 PM	206.0	
5/13/2009	4:47:14 PM	195.2	**Start Dryer Run 10**
5/13/2009	4:48:14 PM	837.1	
5/13/2009	4:49:14 PM	426.4	
5/13/2009	4:50:14 PM	353.4	
5/13/2009	4:51:14 PM	473.7	
5/13/2009	4:52:14 PM	539.2	
5/13/2009	4:53:14 PM	569.4	
5/13/2009	4:54:14 PM	586.2	
5/13/2009	4:55:14 PM	558.9	
5/13/2009	4:56:14 PM	491.5	
5/13/2009	4:57:14 PM	513.8	
5/13/2009	4:58:14 PM	491.2	
5/13/2009	4:59:14 PM	482.3	
5/13/2009	5:00:14 PM	482.3	
5/13/2009	5:01:14 PM	469.8	
5/13/2009	5:02:14 PM	485.9	
5/13/2009	5:03:14 PM	467.8	
5/13/2009	5:04:14 PM	441.2	
5/13/2009	5:05:14 PM	432.0	
5/13/2009	5:06:14 PM	433.3	
5/13/2009	5:07:14 PM	424.7	
5/13/2009	5:08:14 PM	438.2	

5/13/2009	5:09:14 PM	447.4	
5/13/2009	5:10:14 PM	428.0	
5/13/2009	5:11:14 PM	418.8	
5/13/2009	5:12:14 PM	404.0	
5/13/2009	5:13:14 PM	393.5	
5/13/2009	5:14:14 PM	347.1	
5/13/2009	5:15:14 PM	251.4	
5/13/2009	5:16:14 PM	204.4	
5/13/2009	5:17:14 PM	256.7	
5/13/2009	5:18:14 PM	235.3	
5/13/2009	5:19:14 PM	221.8	**End Dryer Run 10**
Average (Load 10)		**430.4**	
5/13/2009	5:20:14 PM	212.3	
5/13/2009	5:21:14 PM	198.8	
5/13/2009	5:22:14 PM	185.0	
5/13/2009	5:23:14 PM	185.3	
5/13/2009	5:24:14 PM	185.3	
5/13/2009	5:25:14 PM	182.0	**Start Dryer Run 11**
5/13/2009	5:26:14 PM	407.3	
5/13/2009	5:27:14 PM	1047.9	
5/13/2009	5:28:14 PM	1032.1	
5/13/2009	5:29:14 PM	1019.3	
5/13/2009	5:30:14 PM	1002.5	
5/13/2009	5:31:14 PM	910.4	
5/13/2009	5:32:14 PM	866.0	
5/13/2009	5:33:14 PM	854.2	
5/13/2009	5:34:14 PM	849.6	
5/13/2009	5:35:14 PM	771.3	
5/13/2009	5:36:14 PM	757.9	
5/13/2009	5:37:14 PM	717.4	
5/13/2009	5:38:14 PM	704.3	
5/13/2009	5:39:14 PM	635.2	
5/13/2009	5:40:14 PM	610.9	
5/13/2009	5:41:14 PM	590.1	
5/13/2009	5:42:14 PM	599.0	
5/13/2009	5:43:14 PM	581.3	
5/13/2009	5:44:14 PM	572.7	
5/13/2009	5:45:14 PM	562.8	
5/13/2009	5:46:14 PM	556.6	
5/13/2009	5:47:14 PM	530.9	
5/13/2009	5:48:14 PM	528.6	
5/13/2009	5:49:14 PM	547.4	
5/13/2009	5:50:14 PM	530.6	
5/13/2009	5:51:14 PM	541.8	
5/13/2009	5:52:14 PM	442.5	
5/13/2009	5:53:14 PM	353.4	
5/13/2009	5:54:14 PM	292.2	
5/13/2009	5:55:14 PM	264.9	
5/13/2009	5:56:15 PM	254.7	
5/13/2009	5:57:15 PM	242.9	**End Dryer Run 11**
Average (Load 11)		**617.0**	
5/13/2009	5:58:15 PM	220.8	
5/13/2009	5:59:15 PM	196.8	
5/13/2009	6:00:15 PM	188.3	
5/13/2009	6:01:15 PM	179.1	**Start Dryer Run 12**
5/13/2009	6:02:15 PM	571.1	
5/13/2009	6:03:15 PM	662.8	
5/13/2009	6:04:15 PM	669.4	
5/13/2009	6:05:15 PM	710.5	
5/13/2009	6:06:15 PM	667.7	
5/13/2009	6:07:15 PM	625.3	
5/13/2009	6:08:15 PM	591.1	
5/13/2009	6:09:15 PM	582.9	
5/13/2009	6:10:15 PM	534.9	
5/13/2009	6:11:15 PM	501.0	

5/13/2009	6:12:15 PM	485.6	
5/13/2009	6:13:15 PM	461.6	
5/13/2009	6:14:15 PM	458.6	
5/13/2009	6:15:15 PM	482.9	
5/13/2009	6:16:15 PM	476.0	
5/13/2009	6:17:15 PM	481.0	
5/13/2009	6:18:15 PM	460.9	
5/13/2009	6:19:15 PM	450.4	
5/13/2009	6:20:15 PM	475.0	
5/13/2009	6:21:15 PM	490.5	
5/13/2009	6:22:15 PM	484.3	
5/13/2009	6:23:15 PM	464.8	
5/13/2009	6:24:15 PM	478.0	
5/13/2009	6:25:15 PM	473.4	
5/13/2009	6:26:15 PM	459.3	
5/13/2009	6:27:15 PM	457.6	
5/13/2009	6:28:15 PM	384.3	
5/13/2009	6:29:15 PM	337.6	
5/13/2009	6:30:15 PM	316.5	
5/13/2009	6:31:15 PM	291.5	
5/13/2009	6:32:15 PM	267.2	**End Dryer Run 12**
Average (Load 12)		**482.3**	
5/13/2009	6:33:15 PM	252.7	
5/13/2009	6:34:15 PM	237.0	
5/13/2009	6:35:15 PM	238.3	
5/13/2009	6:36:15 PM	160.0	
5/13/2009	6:37:15 PM	196.8	
5/13/2009	6:38:15 PM	205.1	
5/13/2009	6:39:15 PM	8678.6 span	
5/13/2009	6:40:15 PM	286.0	
5/13/2009	6:41:15 PM	150.8 zero	

Dryer Exhaust Summaries

Dryer On Dryer Load Summaries

Cycle Duration (min)	Time	Load No.	Ave THC Conc	MW	(SCFM)	lb/hr	RF	Adjusted lb/hr
35	10:22 - 10:57	1	NA					
33	11:45 - 12:18	2	2948.7	12	6431	35.36	1.126	39.82
33	13:07 - 13:40	3	5028.7	12	6431	60.31	1.126	67.91
36	14:31 - 15:07	4	5169.7	12	6431	62.00	1.126	69.81
35	15:58 - 16:33	5	4591.6	12	6431	55.06	1.126	62.00
172								
	Average	3, 4, 5	4930.4	12	6431	59.13	1.126	66.58

Note - Dryer Load 2 was a load that had been through two wash cycles. During the first wash cycle there was an operational problem with the washer and the load was not washed properly.

Dryer Off

Duration	Ave THC Conc	MW	(SCFM)	lb/hr	RF	Adjusted lb/hr
	579.7	12	422	0.46	1.063	0.48

Duration is the total time that the dryer was off between 07:15 and the 17:44
Average does not include the time between Dryer Load 1 and 2 - TRC was calibrating the FID in between runs

M25 Response Factor

	M25A Data	Loads	Conc	MW	(SCFM)	lb/hr	RF
4		1 and 3	ND				
5		4 and 5	4884.6	12	6431	58.58	
	M25 Data						
4		1 and 3					
5		4 and 5	5500	12	6431	65.96	1.126

Average Response Factor (RF) 1.126

Notes:

1. Emission rates are reported in pounds per hour as carbon.
2. The response factor is the ratio of Method 25 TGNMO emission rate to the Method 25A VOC emission rate.
3. Two response factor development tests were conducted for each towel type; however, only one response factor test for each towel type was used for emissions calculations. The first print towel test (Test D-4) was biased because it was the first test conducted with pirnt towels and the Method 25A analyzer was over-range for the first six minutes of the test.

morning cal

CEMSoft Calibration and Test Results Log

5/14/2009

Calibration Error	THC - Dryer (ppm)
Range	8960.00
Low Gas Concentration	2480.00
Mid Gas Concentration	4480.00
High Gas Concentration	8960.00
Zero Response	9.70
Low Response	2506.02
Mid Response	4615.59
High Response	9070.26
Zero Cal Error	0.11
Low Cal Error	0.29
Mid Cal Error	1.51
High Cal Error	1.23

Initial Bias	HC - Dryer (ppm)
Span Gas Concentration	4480.00
Zero Response	8.31
Span Response	4603.31
Zero Bias	-0.02
Span Bias	-0.14

0850

CEMSoft Calibration and Test Results Log

G & K
4 Sources
5/14/2009

Calibration Error	THC - Dryer (ppm)
Range	8960.00
Low Gas Concentration	2480.00
Mid Gas Concentration	4480.00
High Gas Concentration	8960.00
Zero Response	9.70
Low Response	2506.02
Mid Response	4615.59
High Response	9070.26
Zero Cal Error	0.11
Low Cal Error	0.29
Mid Cal Error	1.51
High Cal Error	1.23

11:08

CEMSoft Calibration and Test Results Log

5/14/2009

Calibration Error	THC - Dryer (ppm)
Range	8960.00
Low Gas Concentration	2480.00
Mid Gas Concentration	4480.00
High Gas Concentration	8960.00
Zero Response	71.00
Low Response	2572.49
Mid Response	4681.73
High Response	9095.54
Zero Cal Error	0.79
Low Cal Error	1.03
Mid Cal Error	2.25
High Cal Error	1.51

Initial Bias	THC - Dryer (ppm)
Span Gas Concentration	8960.00
Zero Response	54.77
Span Response	9021.46
Zero Bias	-0.18
Span Bias	-0.83

CEMSoft Calibration and Test Results Log

G & K

5/14/2009

Calibration Error	THC - Dryer (ppm)
Range	900.00
Low Gas Concentration	247.10
Mid Gas Concentration	446.10
High Gas Concentration	900.00
Zero Response	9.29
Low Response	252.21
Mid Response	448.04
High Response	913.96
Zero Cal Error	1.03
Low Cal Error	0.57
Mid Cal Error	0.22
High Cal Error	1.55

Initial Bias	THC - Dryer (ppm)
Span Gas Concentration	900.00
Zero Response	8.75
Span Response	902.45
Zero Bias	-0.06
Span Bias	-1.28

FINAL CAL 5-15-09 @ 0739

	Zero	Span
EQ Exhaust	~~29.8~~ 23.0	989
Washroom	7.5	898
Water Heater	7.0	865.0
Dryer	4.0	870.0

Date	Time	THC - Dryer (ppm)
5/14/2009	6:28:54 AM	
5/14/2009	6:29:53 AM	40.3
5/14/2009	6:30:53 AM	39.6
5/14/2009	6:31:53 AM	4655.7
5/14/2009	6:32:53 AM	4655.7
5/14/2009	6:33:53 AM	69.2
5/14/2009	6:34:53 AM	80.8
5/14/2009	6:35:20 AM	74.5
5/14/2009	6:35:20 AM	75.8
5/14/2009	6:35:20 AM	73.2
5/14/2009	6:35:20 AM	69.2
5/14/2009	6:35:20 AM	74.2
5/14/2009	6:35:20 AM	68.3
5/14/2009	6:35:20 AM	72.9
5/14/2009	6:35:20 AM	66.9
5/14/2009	6:35:20 AM	65.0
5/14/2009	6:35:20 AM	65.6
5/14/2009	6:35:20 AM	9191.9
5/14/2009	6:35:20 AM	9083.4
5/14/2009	6:35:20 AM	4875.1
5/14/2009	6:35:20 AM	4618.9
5/14/2009	6:35:20 AM	2549.8
5/14/2009	6:35:20 AM	38.7
5/14/2009	6:35:20 AM	-12.3
5/14/2009	6:35:20 AM	2510.6
5/14/2009	6:35:20 AM	152.4
5/14/2009	6:35:20 AM	139.0
5/14/2009	6:35:20 AM	140.3
5/14/2009	6:35:20 AM	146.9
5/14/2009	6:35:20 AM	78.5
5/14/2009	6:35:20 AM	82.4
5/14/2009	6:35:20 AM	100.5
5/14/2009	6:35:20 AM	122.5
5/14/2009	6:35:20 AM	128.1
5/14/2009	6:35:20 AM	117.9
5/14/2009	6:35:20 AM	115.3
5/14/2009	6:35:20 AM	143.6
5/14/2009	7:05:53 AM	142.9
5/14/2009	7:06:53 AM	136.3
5/14/2009	7:07:53 AM	140.9
5/14/2009	7:07:59 AM	137.3
5/14/2009	7:08:59 AM	144.6
5/14/2009	7:09:59 AM	148.2
5/14/2009	7:10:59 AM	148.8
5/14/2009	7:11:59 AM	141.3
5/14/2009	7:12:59 AM	14.3
5/14/2009	7:13:59 AM	19.6
5/14/2009	7:14:59 AM	23.9

5/14/2009	7:15:59 AM	25.5
5/14/2009	7:16:59 AM	102.5
5/14/2009	7:17:59 AM	133.0
5/14/2009	7:18:59 AM	147.5
5/14/2009	7:19:59 AM	142.2
5/14/2009	7:20:59 AM	146.2
5/14/2009	7:21:59 AM	150.5
5/14/2009	7:22:59 AM	148.8
5/14/2009	7:23:59 AM	138.0
5/14/2009	7:24:59 AM	149.8
5/14/2009	7:25:59 AM	142.2
5/14/2009	7:26:59 AM	143.2
5/14/2009	7:27:59 AM	144.2
5/14/2009	7:28:59 AM	143.9
5/14/2009	7:29:59 AM	141.6
5/14/2009	7:30:59 AM	149.5
5/14/2009	7:31:59 AM	151.8
5/14/2009	7:32:59 AM	151.5
5/14/2009	7:33:59 AM	145.9
5/14/2009	7:34:59 AM	150.8
5/14/2009	7:35:59 AM	148.5
5/14/2009	7:36:59 AM	144.6
5/14/2009	7:37:59 AM	143.9
5/14/2009	7:38:59 AM	142.6
5/14/2009	7:39:59 AM	146.2
5/14/2009	7:40:59 AM	93.9
5/14/2009	7:41:59 AM	138.0
5/14/2009	7:42:59 AM	138.6
5/14/2009	7:43:59 AM	136.0
5/14/2009	7:44:59 AM	139.0
5/14/2009	7:45:59 AM	134.4
5/14/2009	7:46:59 AM	144.2
5/14/2009	7:47:59 AM	153.4
5/14/2009	7:48:59 AM	153.8
5/14/2009	7:49:59 AM	147.8
5/14/2009	7:50:59 AM	144.2
5/14/2009	7:51:59 AM	139.3
5/14/2009	7:52:59 AM	140.6
5/14/2009	7:53:59 AM	138.6
5/14/2009	7:54:59 AM	137.6
5/14/2009	7:55:59 AM	149.8
5/14/2009	7:56:59 AM	157.0
5/14/2009	7:57:59 AM	154.7
5/14/2009	7:58:59 AM	156.7
5/14/2009	7:59:59 AM	160.0
5/14/2009	8:00:59 AM	155.1
5/14/2009	8:01:59 AM	162.3
5/14/2009	8:02:59 AM	178.4
5/14/2009	8:03:59 AM	180.4
5/14/2009	8:04:59 AM	173.8

5/14/2009	8:05:59 AM	174.1
5/14/2009	8:06:59 AM	164.0
5/14/2009	8:07:59 AM	178.4
5/14/2009	8:08:59 AM	178.4
5/14/2009	8:09:59 AM	169.5
5/14/2009	8:10:59 AM	181.7
5/14/2009	8:11:59 AM	206.0
5/14/2009	8:12:59 AM	212.6
5/14/2009	8:13:59 AM	223.8
5/14/2009	8:14:59 AM	217.6
5/14/2009	8:15:59 AM	211.3
5/14/2009	8:16:59 AM	216.9
5/14/2009	8:17:59 AM	228.4
5/14/2009	8:18:59 AM	228.1
5/14/2009	8:19:59 AM	224.1
5/14/2009	8:20:59 AM	179.1
5/14/2009	8:21:59 AM	257.3
5/14/2009	8:22:59 AM	295.8
5/14/2009	8:23:59 AM	297.1
5/14/2009	8:24:59 AM	249.1
5/14/2009	8:25:59 AM	246.2
5/14/2009	8:26:59 AM	295.8
5/14/2009	8:27:59 AM	329.0
5/14/2009	8:28:59 AM	326.1
5/14/2009	8:29:59 AM	322.8
5/14/2009	8:30:59 AM	258.3
5/14/2009	8:31:59 AM	241.6
5/14/2009	8:32:59 AM	274.4
5/14/2009	8:33:59 AM	315.2
5/14/2009	8:34:59 AM	358.0
5/14/2009	8:35:59 AM	386.6
5/14/2009	8:36:59 AM	379.7
5/14/2009	8:37:59 AM	315.2
5/14/2009	8:38:59 AM	261.6
5/14/2009	8:39:59 AM	286.3
5/14/2009	8:40:59 AM	314.6
5/14/2009	8:41:59 AM	408.6
5/14/2009	8:42:59 AM	462.2
5/14/2009	8:43:59 AM	510.2
5/14/2009	8:44:59 AM	563.5
5/14/2009	8:45:59 AM	555.3
5/14/2009	8:46:59 AM	553.3
5/14/2009	8:47:59 AM	594.1
5/14/2009	8:48:59 AM	579.3
5/14/2009	8:49:59 AM	599.3
5/14/2009	8:50:59 AM	634.2
5/14/2009	8:51:59 AM	659.2
5/14/2009	8:52:59 AM	669.1
5/14/2009	8:53:59 AM	700.3
5/14/2009	8:59:44 AM	662.2

5/14/2009	9:10:37 AM	606.9
5/14/2009	9:10:37 AM	551.0
5/14/2009	9:10:37 AM	484.6
5/14/2009	9:10:37 AM	555.6
5/14/2009	9:10:37 AM	656.9
5/14/2009	9:10:37 AM	658.5
5/14/2009	9:17:27 AM	565.1
5/14/2009	9:18:27 AM	450.7
5/14/2009	9:18:48 AM	395.8
5/14/2009	9:19:48 AM	590.8
5/14/2009	9:20:48 AM	673.7
5/14/2009	9:21:48 AM	609.5
5/14/2009	9:22:48 AM	630.6
5/14/2009	9:23:48 AM	704.3
5/14/2009	9:24:48 AM	712.1
5/14/2009	9:25:48 AM	679.3
5/14/2009	9:26:48 AM	593.8
5/14/2009	9:27:48 AM	630.9
5/14/2009	9:28:48 AM	615.1
5/14/2009	9:29:48 AM	644.4
5/14/2009	9:30:48 AM	677.9
5/14/2009	9:31:48 AM	673.0
5/14/2009	9:32:48 AM	667.4
5/14/2009	9:33:48 AM	689.1
5/14/2009	9:34:48 AM	690.4
5/14/2009	9:35:48 AM	720.7
5/14/2009	9:36:48 AM	726.0
5/14/2009	9:37:48 AM	724.0
5/14/2009	9:38:48 AM	729.2
5/14/2009	9:39:48 AM	711.2
5/14/2009	9:40:48 AM	637.5
5/14/2009	9:41:48 AM	592.4
5/14/2009	9:42:48 AM	670.1
5/14/2009	9:43:48 AM	708.2
5/14/2009	9:44:48 AM	714.8
5/14/2009	9:45:48 AM	756.2
5/14/2009	9:46:48 AM	717.7
5/14/2009	9:47:48 AM	701.6
5/14/2009	9:48:48 AM	622.0
5/14/2009	9:49:48 AM	475.0
5/14/2009	9:50:48 AM	621.1
5/14/2009	9:51:48 AM	636.8
5/14/2009	9:52:48 AM	666.8
5/14/2009	9:53:48 AM	700.6
5/14/2009	9:54:48 AM	619.7
5/14/2009	9:55:48 AM	615.1
5/14/2009	9:56:48 AM	744.7
5/14/2009	9:57:48 AM	778.6
5/14/2009	9:58:48 AM	824.3
5/14/2009	9:59:48 AM	875.3
5/14/2009	10:00:48 AM	729.9
5/14/2009	10:01:48 AM	715.1

5/14/2009	10:02:48 AM	749.0	
5/14/2009	10:03:48 AM	782.8	
5/14/2009	10:04:48 AM	770.7	
5/14/2009	10:05:48 AM	786.8	
5/14/2009	10:06:48 AM	731.9	
5/14/2009	10:07:48 AM	755.9	
5/14/2009	10:08:48 AM	728.9	
5/14/2009	10:09:48 AM	762.8	
5/14/2009	10:10:48 AM	766.4	
5/14/2009	10:11:48 AM	777.9	
5/14/2009	10:12:48 AM	711.8	
5/14/2009	10:13:48 AM	695.0	
5/14/2009	10:14:48 AM	665.8	
5/14/2009	10:15:48 AM	584.2	
5/14/2009	10:16:48 AM	479.0	
5/14/2009	10:17:48 AM	437.2	
5/14/2009	10:18:48 AM	439.2	
5/14/2009	10:19:00 AM	440.2	
5/14/2009	10:20:00 AM	501.7	
5/14/2009	10:21:00 AM	622.7	
5/14/2009	10:22:00 AM	640.1	**Start Dryer Load 1**
5/14/2009	10:23:00 AM	787.1	
5/14/2009	10:24:00 AM	10877.4	
5/14/2009	10:25:00 AM	10877.4	
5/14/2009	10:26:00 AM	10877.4	
5/14/2009	10:27:00 AM	10877.4	
5/14/2009	10:28:00 AM	10877.4	
5/14/2009	10:29:00 AM	10877.4	
5/14/2009	10:30:00 AM	10877.4	
5/14/2009	10:31:00 AM	9369.5	
5/14/2009	10:32:00 AM	7169.5	
5/14/2009	10:33:00 AM	5799.5	
5/14/2009	10:34:00 AM	4559.4	
5/14/2009	10:35:00 AM	3657.6	
5/14/2009	10:36:00 AM	3044.7	
5/14/2009	10:37:00 AM	2614.5	
5/14/2009	10:38:00 AM	2381.7	
5/14/2009	10:39:00 AM	2118.0	
5/14/2009	10:40:00 AM	1911.8	
5/14/2009	10:41:00 AM	1526.4	
5/14/2009	10:42:00 AM	1438.9	
5/14/2009	10:43:00 AM	1619.4	
5/14/2009	10:44:00 AM	1433.3	
5/14/2009	10:45:00 AM	1235.0	
5/14/2009	10:46:00 AM	1222.2	
5/14/2009	10:47:00 AM	1113.3	
5/14/2009	10:48:00 AM	1009.1	
5/14/2009	10:49:00 AM	964.4	
5/14/2009	10:50:00 AM	845.3	
5/14/2009	10:51:00 AM	830.5	
5/14/2009	10:52:00 AM	846.6	
5/14/2009	10:53:00 AM	645.4	

5/14/2009	10:54:00 AM	574.0	
5/14/2009	10:55:00 AM	530.3	
5/14/2009	10:56:00 AM	494.4	
5/14/2009	10:57:00 AM	387.2	**End Dryer Load 1**
Average		**3803.1**	
5/14/2009	10:58:00 AM	373.1	
5/14/2009	10:59:00 AM	478.7	
5/14/2009	11:08:25 AM	9105.4	
5/14/2009	11:08:25 AM	858.9	
5/14/2009	11:08:25 AM	4735.0	
5/14/2009	11:08:25 AM	1097.6	
5/14/2009	11:08:25 AM	270.9	
5/14/2009	11:08:25 AM	320.2	
5/14/2009	11:08:25 AM	318.2	
5/14/2009	11:08:25 AM	296.5	
5/14/2009	11:08:25 AM	486.9	
5/14/2009	11:08:25 AM	599.4	
5/14/2009	11:08:25 AM	632.9	
5/14/2009	11:08:25 AM	662.5	
5/14/2009	11:08:25 AM	538.2	
5/14/2009	11:08:25 AM	2789.5	
5/14/2009	11:08:25 AM	2584.3	
5/14/2009	11:08:25 AM	578.7	
5/14/2009	11:08:25 AM	221.5	
5/14/2009	11:08:25 AM	8199.8	
5/14/2009	11:27:13 AM	8136.6	
5/14/2009	11:28:13 AM	675.4	
5/14/2009	11:29:13 AM	623.1	
5/14/2009	11:30:13 AM	636.9	
5/14/2009	11:30:31 AM	647.7	
5/14/2009	11:31:31 AM	623.1	
5/14/2009	11:32:31 AM	589.5	
5/14/2009	11:33:31 AM	584.6	
5/14/2009	11:34:31 AM	610.2	
5/14/2009	11:35:31 AM	615.2	
5/14/2009	11:36:31 AM	570.8	
5/14/2009	11:37:31 AM	573.7	
5/14/2009	11:38:31 AM	644.8	
5/14/2009	11:39:31 AM	576.7	
5/14/2009	11:40:31 AM	609.3	
5/14/2009	11:41:31 AM	682.3	
5/14/2009	11:42:31 AM	621.1	
5/14/2009	11:43:31 AM	596.4	
5/14/2009	11:44:31 AM	556.0	
5/14/2009	11:45:31 AM	442.5	**Start Dryer Load 2**
5/14/2009	11:46:31 AM	11760.2	(This load was washed twice)
5/14/2009	11:47:31 AM	10885.1	

5/14/2009	11:48:31 AM	9897.6	
5/14/2009	11:49:31 AM	8757.2	
5/14/2009	11:50:31 AM	7597.0	
5/14/2009	11:51:31 AM	6239.5	
5/14/2009	11:52:31 AM	5450.2	
5/14/2009	11:53:31 AM	4568.3	
5/14/2009	11:54:31 AM	3746.5	
5/14/2009	11:55:31 AM	3118.0	
5/14/2009	11:56:31 AM	2172.9	
5/14/2009	11:57:31 AM	2159.1	
5/14/2009	11:58:31 AM	2039.8	
5/14/2009	11:59:31 AM	1883.9	
5/14/2009	12:00:31 PM	1608.6	
5/14/2009	12:01:31 PM	1570.2	
5/14/2009	12:02:31 PM	1527.7	
5/14/2009	12:03:31 PM	1426.1	
5/14/2009	12:04:31 PM	1122.3	
5/14/2009	12:05:31 PM	1178.5	
5/14/2009	12:06:31 PM	1131.1	
5/14/2009	12:07:31 PM	1060.1	
5/14/2009	12:08:31 PM	966.4	
5/14/2009	12:09:31 PM	920.0	
5/14/2009	12:10:31 PM	864.8	
5/14/2009	12:11:31 PM	848.0	
5/14/2009	12:12:31 PM	843.1	
5/14/2009	12:13:31 PM	805.6	
5/14/2009	12:14:31 PM	785.8	
5/14/2009	12:15:31 PM	751.3	
5/14/2009	12:16:31 PM	723.7	
5/14/2009	12:17:31 PM	712.8	
5/14/2009	12:18:31 PM	692.1	**End Dryer Load 2**
Average		**2948.7**	
5/14/2009	12:19:31 PM	678.3	
5/14/2009	12:20:31 PM	677.3	
5/14/2009	12:21:31 PM	660.6	
5/14/2009	12:22:31 PM	690.2	
5/14/2009	12:23:31 PM	740.5	
5/14/2009	12:24:31 PM	765.1	
5/14/2009	12:25:31 PM	792.8	
5/14/2009	12:26:31 PM	817.4	
5/14/2009	12:27:31 PM	808.5	
5/14/2009	12:28:31 PM	828.3	
5/14/2009	12:29:31 PM	857.9	
5/14/2009	12:30:31 PM	878.6	
5/14/2009	12:31:31 PM	857.9	
5/14/2009	12:32:31 PM	906.2	
5/14/2009	12:33:31 PM	938.8	
5/14/2009	12:34:31 PM	943.7	
5/14/2009	12:35:31 PM	961.5	
5/14/2009	12:36:31 PM	995.0	

5/14/2009	12:37:31 PM	945.7	
5/14/2009	12:38:31 PM	914.1	
5/14/2009	12:39:31 PM	964.4	
5/14/2009	12:40:31 PM	987.1	
5/14/2009	12:41:31 PM	916.1	
5/14/2009	12:42:31 PM	922.0	
5/14/2009	12:43:31 PM	938.8	
5/14/2009	12:44:31 PM	966.4	
5/14/2009	12:45:31 PM	984.1	
5/14/2009	12:46:31 PM	958.5	
5/14/2009	12:47:31 PM	946.7	
5/14/2009	12:48:31 PM	927.9	
5/14/2009	12:49:31 PM	912.1	
5/14/2009	12:50:31 PM	909.2	
5/14/2009	12:51:31 PM	903.2	
5/14/2009	12:52:31 PM	914.1	
5/14/2009	12:53:31 PM	896.3	
5/14/2009	12:54:31 PM	861.8	
5/14/2009	12:55:31 PM	844.1	
5/14/2009	12:56:31 PM	836.2	
5/14/2009	12:57:31 PM	845.0	
5/14/2009	12:58:31 PM	838.1	
5/14/2009	12:59:31 PM	842.1	
5/14/2009	1:00:31 PM	852.9	
5/14/2009	1:01:31 PM	861.8	
5/14/2009	1:02:31 PM	844.1	
5/14/2009	1:03:31 PM	874.6	
5/14/2009	1:04:31 PM	876.6	
5/14/2009	1:05:31 PM	857.9	
5/14/2009	1:06:31 PM	858.9	
5/14/2009	1:07:31 PM	1866.1	**Start Dryer Load 3**
5/14/2009	1:08:31 PM	17799.9	
5/14/2009	1:09:31 PM	17362.9	
5/14/2009	1:10:31 PM	15882.0	
5/14/2009	1:11:31 PM	14217.7	
5/14/2009	1:12:31 PM	13224.3	
5/14/2009	1:13:31 PM	11995.0	
5/14/2009	1:14:31 PM	10513.2	
5/14/2009	1:15:31 PM	9172.5	
5/14/2009	1:16:31 PM	7766.7	
5/14/2009	1:17:31 PM	6647.9	
5/14/2009	1:18:31 PM	5585.4	
5/14/2009	1:19:31 PM	4711.3	
5/14/2009	1:20:31 PM	3987.2	
5/14/2009	1:21:31 PM	3469.3	
5/14/2009	1:22:31 PM	2780.6	
5/14/2009	1:23:31 PM	2138.4	
5/14/2009	1:24:31 PM	2246.9	
5/14/2009	1:25:31 PM	2112.8	
5/14/2009	1:26:31 PM	1909.5	

5/14/2009	1:27:31 PM	1648.1	
5/14/2009	1:28:31 PM	1704.3	
5/14/2009	1:29:31 PM	1599.8	
5/14/2009	1:30:31 PM	1454.7	
5/14/2009	1:31:31 PM	1356.1	
5/14/2009	1:32:31 PM	1070.0	
5/14/2009	1:33:31 PM	1031.5	
5/14/2009	1:34:31 PM	1017.7	
5/14/2009	1:35:31 PM	916.1	
5/14/2009	1:36:31 PM	830.2	
5/14/2009	1:37:31 PM	769.1	
5/14/2009	1:38:31 PM	764.1	
5/14/2009	1:39:31 PM	721.7	
5/14/2009	1:40:31 PM	702.0	**End Dryer Load 3** **End Dryer M25-4 and TO-15-3**
Average		**5028.7**	
5/14/2009	1:41:31 PM	336.0	
5/14/2009	1:42:31 PM	646.7	
5/14/2009	1:43:31 PM	741.5	
5/14/2009	1:44:31 PM	748.4	
5/14/2009	1:45:31 PM	775.0	
5/14/2009	1:46:31 PM	755.3	
5/14/2009	1:47:31 PM	738.5	
5/14/2009	1:48:31 PM	757.2	
5/14/2009	1:49:31 PM	753.3	
5/14/2009	1:50:31 PM	765.1	
5/14/2009	1:51:31 PM	758.2	
5/14/2009	1:52:31 PM	776.0	
5/14/2009	1:53:31 PM	786.8	
5/14/2009	1:54:31 PM	810.5	
5/14/2009	1:55:31 PM	836.2	
5/14/2009	1:56:31 PM	841.1	
5/14/2009	1:57:31 PM	887.5	
5/14/2009	1:58:31 PM	881.5	
5/14/2009	1:59:31 PM	861.8	
5/14/2009	2:00:31 PM	853.9	
5/14/2009	2:01:31 PM	871.7	
5/14/2009	2:02:31 PM	899.3	
5/14/2009	2:03:31 PM	951.6	
5/14/2009	2:04:31 PM	954.5	
5/14/2009	2:05:31 PM	969.3	
5/14/2009	2:06:31 PM	980.2	
5/14/2009	2:07:31 PM	991.1	
5/14/2009	2:08:31 PM	876.6	
5/14/2009	2:09:31 PM	841.1	
5/14/2009	2:10:31 PM	879.6	
5/14/2009	2:11:31 PM	925.9	
5/14/2009	2:12:31 PM	944.7	
5/14/2009	2:13:31 PM	899.3	
5/14/2009	2:14:31 PM	838.1	
5/14/2009	2:15:31 PM	812.5	

5/14/2009	2:16:31 PM	849.0
5/14/2009	2:17:31 PM	863.8
5/14/2009	2:18:31 PM	808.5
5/14/2009	2:19:31 PM	803.6
5/14/2009	2:20:31 PM	733.6
5/14/2009	2:21:31 PM	672.4
5/14/2009	2:22:31 PM	743.4
5/14/2009	2:23:31 PM	847.0
5/14/2009	2:24:31 PM	919.0
5/14/2009	2:25:31 PM	968.4
5/14/2009	2:26:31 PM	943.7
5/14/2009	2:27:31 PM	8561.8
5/14/2009	2:28:31 PM	978.2
5/14/2009	2:29:31 PM	754.3
5/14/2009	2:30:31 PM	817.4

Start Dryer Load 4
Start Dryer M25-5 and TO-15-4

5/14/2009	2:31:31 PM	917.1
5/14/2009	2:32:31 PM	25320.5
5/14/2009	2:33:31 PM	21445.3
5/14/2009	2:34:31 PM	19457.3
5/14/2009	2:35:31 PM	16035.0
5/14/2009	2:36:31 PM	13758.0
5/14/2009	2:37:31 PM	12177.5
5/14/2009	2:38:31 PM	10525.1
5/14/2009	2:39:31 PM	9014.6
5/14/2009	2:40:31 PM	7467.7
5/14/2009	2:41:31 PM	6299.7
5/14/2009	2:42:31 PM	5186.8
5/14/2009	2:43:31 PM	4307.8
5/14/2009	2:44:31 PM	3633.0
5/14/2009	2:45:31 PM	3195.0
5/14/2009	2:46:31 PM	2578.4
5/14/2009	2:47:31 PM	2712.6
5/14/2009	2:48:31 PM	2582.4
5/14/2009	2:49:31 PM	2314.0
5/14/2009	2:50:31 PM	2120.6
5/14/2009	2:51:31 PM	1927.3
5/14/2009	2:52:31 PM	1722.1
5/14/2009	2:53:31 PM	1656.0
5/14/2009	2:54:31 PM	1461.6
5/14/2009	2:55:31 PM	1376.8
5/14/2009	2:56:31 PM	1260.4
5/14/2009	2:57:31 PM	1271.2
5/14/2009	2:58:31 PM	1235.7
5/14/2009	2:59:31 PM	1187.4
5/14/2009	3:00:31 PM	772.0
5/14/2009	3:01:31 PM	1049.3
5/14/2009	3:02:31 PM	1044.3
5/14/2009	3:03:31 PM	983.2
5/14/2009	3:04:31 PM	891.4
5/14/2009	3:05:31 PM	821.4

5/14/2009	3:06:31 PM	794.7	
5/14/2009	3:07:31 PM	777.0	**End Dryer Load 4**
Average		**5169.7**	
5/14/2009	3:08:31 PM	718.8	
5/14/2009	3:09:31 PM	719.8	
5/14/2009	3:10:31 PM	685.2	
5/14/2009	3:11:31 PM	692.1	
5/14/2009	3:12:31 PM	749.3	
5/14/2009	3:13:31 PM	760.2	
5/14/2009	3:14:31 PM	759.2	
5/14/2009	3:15:31 PM	773.0	
5/14/2009	3:16:31 PM	677.3	
5/14/2009	3:17:31 PM	628.0	
5/14/2009	3:18:31 PM	613.2	
5/14/2009	3:19:31 PM	622.1	
5/14/2009	3:20:31 PM	602.4	
5/14/2009	3:21:31 PM	565.8	
5/14/2009	3:22:31 PM	560.9	
5/14/2009	3:23:31 PM	530.3	
5/14/2009	3:24:31 PM	540.2	
5/14/2009	3:25:31 PM	589.5	
5/14/2009	3:26:31 PM	554.0	
5/14/2009	3:27:31 PM	551.1	
5/14/2009	3:28:31 PM	603.3	
5/14/2009	3:29:31 PM	562.9	
5/14/2009	3:30:31 PM	593.5	
5/14/2009	3:31:31 PM	679.3	
5/14/2009	3:32:31 PM	719.8	
5/14/2009	3:33:31 PM	706.9	
5/14/2009	3:34:31 PM	776.0	
5/14/2009	3:35:31 PM	691.1	
5/14/2009	3:36:31 PM	744.4	
5/14/2009	3:37:31 PM	689.2	
5/14/2009	3:38:31 PM	774.0	
5/14/2009	3:39:31 PM	687.2	
5/14/2009	3:40:31 PM	639.8	
5/14/2009	3:41:31 PM	603.3	
5/14/2009	3:42:31 PM	676.3	
5/14/2009	3:43:31 PM	661.5	
5/14/2009	3:44:31 PM	672.4	
5/14/2009	3:45:31 PM	625.0	
5/14/2009	3:46:31 PM	588.5	
5/14/2009	3:47:31 PM	599.4	
5/14/2009	3:48:31 PM	586.6	
5/14/2009	3:49:31 PM	612.2	
5/14/2009	3:50:31 PM	650.7	
5/14/2009	3:51:31 PM	677.3	
5/14/2009	3:52:31 PM	720.7	
5/14/2009	3:53:31 PM	724.7	
5/14/2009	3:54:31 PM	706.9	

5/14/2009	3:55:31 PM	601.4	
5/14/2009	3:56:31 PM	697.1	
5/14/2009	3:57:31 PM	775.0	
5/14/2009	3:58:31 PM	815.4	**Start Dryer Load 5**
5/14/2009	3:59:31 PM	16449.3	
5/14/2009	4:00:31 PM	15855.4	
5/14/2009	4:01:31 PM	14441.7	
5/14/2009	4:02:31 PM	13277.5	
5/14/2009	4:03:31 PM	12168.6	
5/14/2009	4:04:31 PM	11323.2	
5/14/2009	4:05:31 PM	10265.6	
5/14/2009	4:06:31 PM	9045.2	
5/14/2009	4:07:31 PM	7926.5	
5/14/2009	4:08:31 PM	6934.0	
5/14/2009	4:09:31 PM	5727.5	
5/14/2009	4:10:31 PM	4460.7	
5/14/2009	4:11:31 PM	3496.9	
5/14/2009	4:12:31 PM	2954.3	
5/14/2009	4:13:31 PM	2585.3	
5/14/2009	4:14:31 PM	2387.0	
5/14/2009	4:15:31 PM	2264.7	
5/14/2009	4:16:31 PM	2108.8	
5/14/2009	4:17:31 PM	1835.5	
5/14/2009	4:18:31 PM	1691.5	
5/14/2009	4:19:31 PM	1803.0	
5/14/2009	4:20:31 PM	1741.8	
5/14/2009	4:21:31 PM	1624.4	
5/14/2009	4:22:31 PM	1523.8	
5/14/2009	4:23:31 PM	1392.6	
5/14/2009	4:24:31 PM	1290.0	
5/14/2009	4:25:31 PM	1216.0	
5/14/2009	4:26:31 PM	1142.0	
5/14/2009	4:27:31 PM	1069.0	
5/14/2009	4:28:31 PM	1009.8	
5/14/2009	4:29:31 PM	530.3	
5/14/2009	4:30:31 PM	706.9	
5/14/2009	4:31:31 PM	789.8	
5/14/2009	4:32:31 PM	742.4	
5/14/2009	4:33:31 PM	700.0	**End Dryer Load 5** **End Dryer M25-5 and TO-15-4**
Average		**4591.6**	
Average (Loads 4 and 5)		**4884.6**	
5/14/2009	4:34:31 PM	672.4	
5/14/2009	4:35:31 PM	602.4	
5/14/2009	4:36:31 PM	568.8	
5/14/2009	4:37:31 PM	574.7	
5/14/2009	4:38:31 PM	566.8	
5/14/2009	4:39:31 PM	204.8	
5/14/2009	4:40:31 PM	196.9	

5/14/2009	4:41:31 PM	172.2	
5/14/2009	4:42:31 PM	181.1	
5/14/2009	4:43:31 PM	189.0	
5/14/2009	4:44:31 PM	179.1	
5/14/2009	4:45:31 PM	305.4	
5/14/2009	4:46:31 PM	549.1	
5/14/2009	4:47:31 PM	568.8	
5/14/2009	4:48:31 PM	540.2	
5/14/2009	4:49:31 PM	554.0	
5/14/2009	4:50:31 PM	548.1	
5/14/2009	4:51:31 PM	566.8	
5/14/2009	4:52:31 PM	633.9	
5/14/2009	4:53:31 PM	631.0	
5/14/2009	4:54:31 PM	758.2	
5/14/2009	4:55:31 PM	690.2	
5/14/2009	4:56:31 PM	652.7	
5/14/2009	4:57:31 PM	636.9	
5/14/2009	4:58:31 PM	623.1	
5/14/2009	4:59:31 PM	602.4	
5/14/2009	5:00:31 PM	600.4	
5/14/2009	5:01:31 PM	634.9	
5/14/2009	5:02:31 PM	595.4	
5/14/2009	5:03:31 PM	585.6	
5/14/2009	5:04:32 PM	560.9	
5/14/2009	5:05:32 PM	571.8	
5/14/2009	5:06:32 PM	564.9	
5/14/2009	5:07:32 PM	554.0	
5/14/2009	5:08:32 PM	565.8	
5/14/2009	5:09:32 PM	572.8	
5/14/2009	5:10:32 PM	532.3	
5/14/2009	5:11:32 PM	542.2	
5/14/2009	5:12:32 PM	536.3	
5/14/2009	5:13:32 PM	558.0	
5/14/2009	5:14:32 PM	536.3	
5/14/2009	5:15:32 PM	540.2	
Average		**579.7**	**Dryer Off Average THC Conc**
5/14/2009	5:18:56 PM	60.0	
5/14/2009	5:18:56 PM	63.1	
5/14/2009	5:18:56 PM	59.5	
5/14/2009	5:18:56 PM	55.0	
5/14/2009	5:18:56 PM	61.4	
5/14/2009	5:18:56 PM	60.2	
5/14/2009	5:18:56 PM	273.1	
5/14/2009	5:18:56 PM	183.5	
5/14/2009	5:18:56 PM	169.8	
5/14/2009	5:18:56 PM	895.5	
5/14/2009	5:18:56 PM	174.3	
5/14/2009	5:18:56 PM	10.0	
5/14/2009	5:18:56 PM	101.7	
5/14/2009	5:18:56 PM	115.3	

5/14/2009	5:18:56 PM	121.5
5/14/2009	5:18:56 PM	123.9
5/14/2009	5:18:56 PM	263.4
5/14/2009	5:18:56 PM	252.3
5/14/2009	5:18:56 PM	90.5
5/14/2009	5:18:56 PM	87.0
5/14/2009	5:18:56 PM	98.3
5/14/2009	5:18:56 PM	114.2
5/14/2009	5:18:56 PM	393.5
5/14/2009	5:18:56 PM	111.1
5/14/2009	5:18:56 PM	104.0
5/14/2009	5:44:32 PM	109.1
5/14/2009	5:44:33 PM	107.1
5/14/2009	5:45:33 PM	99.4
5/14/2009	5:46:33 PM	90.1
5/14/2009	5:47:33 PM	89.2
5/14/2009	5:48:33 PM	97.8
5/14/2009	5:49:33 PM	94.4
5/14/2009	5:50:33 PM	107.8
5/14/2009	5:51:33 PM	116.8
5/14/2009	5:52:33 PM	110.6
5/14/2009	5:53:33 PM	105.7
5/14/2009	5:54:33 PM	93.1
5/14/2009	5:55:33 PM	77.9
5/14/2009	5:56:33 PM	80.2
5/14/2009	5:57:33 PM	95.8
5/14/2009	5:58:33 PM	95.3
5/14/2009	5:59:33 PM	81.2
5/14/2009	6:00:33 PM	93.9
5/14/2009	6:01:33 PM	97.1
5/14/2009	6:02:33 PM	104.1
5/14/2009	6:03:33 PM	104.9
5/14/2009	6:04:33 PM	103.0
5/14/2009	6:05:33 PM	102.5
5/14/2009	6:06:33 PM	108.4
5/14/2009	6:07:33 PM	97.2
5/14/2009	6:08:33 PM	84.0
5/14/2009	6:09:33 PM	86.1
5/14/2009	6:10:33 PM	91.6
5/14/2009	6:11:33 PM	98.0
5/14/2009	6:12:33 PM	93.8
5/14/2009	6:13:33 PM	94.0
5/14/2009	6:14:33 PM	81.1
5/14/2009	6:15:33 PM	76.9
5/14/2009	6:16:33 PM	85.8
5/14/2009	6:17:33 PM	88.2
5/14/2009	6:18:33 PM	88.9
5/14/2009	6:19:33 PM	81.8
5/14/2009	6:20:33 PM	77.1
5/14/2009	6:21:33 PM	68.5
5/14/2009	6:22:33 PM	63.4
5/14/2009	6:23:33 PM	65.4

Method 25 Sampling Data

Facility: G+K
Location: Dryer Stack
Date: 5-13-09

Run Number: Dryer 1
Operator: AC

Tank Number: ~~ACK 235~~ (80)
Trap Number: ACK

Sample ID: D-1

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°C)
	Manometer (mmHg)	Gauge (inHg)		
Pretest	30.10		30.60	65
Post-test	01.95		30.60	71

↳ Valve on manometer was open

Pretest Leak Rate (mmHg/10 minutes):	Initial Vacuum	Final Vacuum	Diffence
	29.20 0715	29.00 0725	0.20"

60 minute canister leak check successfully performed ✓

Traps positioned on dry ice for a minimum of 30 minutes ✓

Sampling train purged @ 80 cc/min for 10 minutes N/A

Temperatures maintained for a minimum of 30 minutes ✓

	Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
	0946	0	29.0	60	125	123
*	0955	5	28.5	60	127	118
	1000	10	28.5	90	128	113
	1005	15	27.0	90	128	121
	1010	20	25.5	90	127	127
	1015	25	24.0	90	126	128
	1020	30	22.5	90	126	127
** →	1034	35	20	90	128	119
	1039	40	19	90	127	123
	1044	45	17.5	90	127	128
	1049	50	16.0	90	126	127
	1054	55	14.5	90	127	128
	1106	60	12.5			

* start @ 0946
stop @ 0946 - water caught in blower
restart @ 0950

** stop @ 1024 change dryer load
start 1033

TRC Environmental

TEST 1 = 34 min
TEST 2 =

Method 25 Sampling Data

Facility: GtK
Location: Dryerstack
Date: 5-13-09

Run Number: D-2
Operator: CG

Tank Number: 109
Trap Number: BCJ

Sample ID: D-2

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature ~~(°C)~~ °F
	Manometer (mmHg)	Gauge (inHg)		
Pretest	30.00		30.00	73
Post-test	11.19		30.6	76

Pretest Leak Rate (mmHg/10 minutes):	Initial Vacuum	Final Vacuum	Diffence
	15.40	15.35	.05"
	1117	1127	

~~(< 5 mmHg)~~

60 minute canister leak check successfully performed ✓
Traps positioned on dry ice for a minimum of 30 minutes ✓
Sampling train purged @ 80 cc/min for 10 minutes NA
Temperatures maintained for a minimum of 30 minutes ✓

Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
1208	0	29	90	130	113
1213	5	29	90	128	116
1218	10	28.5	90	127	123
1223	15	27.5	90	126	129
1228	20	25.5	90	126	127
1233	25	24	90	126	119
1238	30	22.5	90	127	113
* 1255	35	20	90	126	129
1300	40	19	90	126	126
1305	45	17.5	90	127	118
1310	50	16	90	127	111
1315	55	14	90	128	114
1320	60	12.5	90	127	122

1239 stop dryer load 1
* 1251 start dryer load 2
1322 end dryer load 2

LOAD 1 = 31 min
LOAD 2 = 31 min

TRC Environmental

Method 25 Sampling Data

Facility: G+K
Location: Dryer Stack
Date: 5-13-09

Run Number: D-3
Operator: KG/RP

Tank Number: ~~[illegible]~~ 151
Trap Number: BDT

Sample ID: D-3

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature ~~(°C)~~ °F
	Manometer (mmHg)	Gauge (inHg)		
Pretest	30.00		30.60	76
Post-test	10.87		30.60	79

Pretest Leak Rate (mmHg/10 minutes):	Initial Vacuum	Final Vacuum	Diffence	(< 8 mmHg)
	16.25	16.08	-0.17	
	1330	1340		

60 minute canister leak check successfully performed ✓

Traps positioned on dry ice for a minimum of 30 minutes ✓

Sampling train purged @ 80 cc/min for 10 minutes NA

Temperatures maintained for a minimum of 30 minutes ✓

Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
1402	0	28.5	90	127	128
1407	5	28.5	90	126	124
1412	10	28.0	90	126	115
1417	15	27.0	90	127	111
1422	20	25.0	90	128	114
1427	25	23.5	90	127	125
1432	30	21.5	90	126	129
* 1455	35	19.5	90	128	117
1500	40	18.5	90	127	125
1505	45	17	90	127	128
1510	50	15.5	90	126	124
1515	55	13.5	90	127	116
1520	60	12.5	90	127	111

+2

TRC Environmental

* 1434 END DRYER LOAD 1
1452 START DRYER LOAD 2
~~[illegible]~~
1523 END DRYER LOAD 2

DRYER LOAD 1 = 32 min
DRYER LOAD 2 = 31 min

Method 25 Sampling Data

Facility: G+K
Location: Dryer
Date: 5-14-09

Run Number: D-4
Operator: CG

Tank Number: 105
Trap Number: SE

Sample ID: D-4

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature ~~(°C)~~ °F
	Manometer (mmHg)	Gauge (inHg)		
Pretest		30.07	30.36	66
Post-test		9.26	30.32	64

Pretest Leak Rate (mmHg/10 minutes):	Initial Vacuum	Final Vacuum	Diffence
	18.85	18.53	0.32"
	0659	0709	

~~(≤2 mmHg)~~

60 minute canister leak check successfully performed ✓
Traps positioned on dry ice for a minimum of 30 minutes ✓
Sampling train purged @ 80 cc/min for 10 minutes NA
Temperatures maintained for a minimum of 30 minutes ✓

Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
1023	0	29	90	129	110
1028	5	29	90	128	112
1033	10	27.5	90	128	120
1038	15	26.5	90	127	127
1043	20	25.0	90	126	127
1048	25	23.0	90	126	122
1053	30	21.5	90	127	111
4min in → * 1308	35	19.5	90	128	117
1313	40	18.0	90	127	125
1318	45	16.5	90	127	128
1323	50	15.0	90	126	123
1328	55	13.5	90	127	115
1333	60	12.0	90	128	110
1338	65	10.5	90	128	114

* END DRYER LOAD 1 @ 1057
* START DRYER LOAD 3 @ 1307
END DRYER LOAD 3 @ 1340

TRC Environmental

LOAD 1 = 34 min
LOAD 2 = 33 min

Method 25 Sampling Data

Facility: GTK
Location: Dryer
Date: 5-14-09

Run Number: D-5
Operator: CG

Tank Number: 199
Trap Number: AXL

Sample ID: D-5

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature ~~(°C)~~ °F
	Manometer (mmHg)	Gauge (inHg)		
Pretest		30.00	30.36	~~64~~ 61
Post-test		8.37	~~30.36~~ 30.2	61

Pretest Leak Rate (mmHg/10 minutes): 23.53 (~~<8 mmHg~~)

Initial Vacuum	Final Vacuum	Diffence
13:52	14:02	

60 minute canister leak check successfully performed ✓

Traps positioned on dry ice for a minimum of 30 minutes ✓

Sampling train purged @ 80 cc/min for 10 minutes NA

Temperatures maintained for a minimum of 30 minutes ✓

Clock Time	Elapsed Time	Gauge Vacuum (inHg)	Flowmeter Setting (ml/min)	Probe Temperature (°C)	Box Temperature (°C)
1431	0	28	90	127	111
1436	5	27.5	90	128	113
1441	10	27.0	90	127	122
1446	15	26.0	90	126	127
1451	20	25.0	~~82~~ 90	126	126
1456	25	23.0	90	127	115
1501	30	21.5	90	127	111
1506	35	20	90	128	112
1602	40	18.5	90	127	111
1607	45	17	90	128	111
1612	50	15.5	90	127	118
1617	55	14	90	127	125
1622	60	12.5	90	126	127
1627	65	12	90	126	120
1632	70	9.5	90	127	112

1 min in →

END DRYER LOAD 4 @ 1507
START DRYER LOAD 5 @ 1558
END DRYER LOAD 5 @ 1633

LOAD 1 = 36 min
LOAD 2 = 35 min

TRC Environmental

Method TO-15 Sampling Data

Facility: GHK

Location: Dryer Stack

Date: 5-13-09

Run Number: Dryer 1

Operator: ~~AK~~ CG

Tank Number: 002434

Sample ID: D-1

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°F)
	Manometer (mmHg)	Gauge (inHg)		
Pretest	30.09		30.60	
Post-test	14.39		30.60	

	Clock Time	Elapsed Time	Gauge Vacuum (in Hg)
*	0946/0950	0	30.00
	1000	10	26.00
	1010	20	24.00
	1020	30	22.5
**	1034	~~40~~ 35	21.0
	1044	~~50~~ 45	19.5
	1054	~~60~~ 55	17.0
	1104	~~70~~ 65	15.0
		80	
		90	
		100	
		110	
		120	

TRC Environmental

* stop @ 0946 wiper caught in blower
restart @ 0950

** stop @ 1024 change dryer loads
restart @ 1033

TEST 1 = 34 min

TEST 2 =

Method TO-15 Sampling Data

Facility: E+R

Location: Dryer Stack

Date: 5-13-09

Run Number: D-2

Operator: CG

Tank Number: 002047

Sample ID: D-2

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°F)
	Manometer (mmHg)	Gauge (inHg)		
Pretest	30.01		30.60	73
Post-test	14.25		30.60	76

Clock Time	Elapsed Time	Gauge Vacuum (in Hg)
~~28.5~~ 1208	0	28.5
1218	10	26.5
1228	20	24.5
1238	30	22
* 1300	40	19.5
1310	50	17
1320	60	15
	70	
	80	
	90	
	100	
	110	
	120	

TRC Environmental

* stop dryer load 1 1239
start dryer load 2 1251
end dryer load 2 1322

LOAD 1 : 31 min

LOAD 2 : 31 min

Method TO-15 Sampling Data

Facility: GtK

Location: Dryer

Date: 5-14-09

Run Number: D-3

Operator: CG

Tank Number: 01624

Sample ID: D-3

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°F)
	Manometer (mmHg)	Gauge (inHg)		
Pretest		30.00	~~30.00~~ 30.36	66
Post-test		14.30	30.36	64

Clock Time	Elapsed Time	Gauge Vacuum (in Hg)
1023	0	28.5
1033	10	26.5
1043	20	24
1053	30	22
1313	40	19.5
1323	50	17.5
1333	60	15.5

4 min in ↓ *

TRC Environmental

* END DRYER LOAD 1 @ 1057
START DRYER LOAD 3 @ 1307
END DRYER LOAD 3 @ 1340

LOAD 1 = 34 min
LOAD 2 = 33 min

Method TO-15 Sampling Data

Facility: G+K

Location: Dryer Stack

Date: 3/14/09

Run Number: ~~D-3~~ D-4

Operator: KG/RP

Tank Number: 00474

Sample ID: ~~D-3~~ D-4

	Tank Vacuum		Barometric Pressure (mmHg)	Ambient Temperature (°F)
	Manometer (mmHg)	Gauge (inHg)		
Pretest		29.97	30.36	~~67~~ 61
Post-test		13.11	~~30.16~~ 30.2	61

Clock Time	Elapsed Time	Gauge Vacuum (in Hg)
1431	0	28.5
1441	10	26
1451	20	24
1501	30	21.5
1602	40	19.5
1612	50	17
1622	60	15
1632	70	13.5

1 min in →*

TRC Environmental

* END DRYER LOAD 4 @ 1507
START DRYER 5 @ 1558
END DRYER LOAD 5 @ 1633

LOAD 1 = 36 min
LOAD 2 = 35 min

Dryer Stack-Shop Towels
G&K Services
Exhaust Gas Flow Rate Summary

Run No.	**1**	**2**	**3**	
Date:	**13-May-09**	**13-May-09**	**13-May-09**	
Start Time	**09:42**	**12:28**	**14:09**	
Stop Time	**11:07**	**13:32**	**15:09**	**AVERAGES**
Net Sampling Time, (minutes)	65.0	60.0	60.0	61.7
Volume of Gas Collected, (dscf)	50.430	44.099	45.315	46.614
Dry Mole Fraction	0.9639	0.9570	0.9581	0.9597
CO_2 Concentration, (percent dry)	0.3	0.2	0.2	0.2
O_2 Concentration, (percent dry)	20.2	20.4	20.3	20.3
CO and N_2, (percent dry)	79.5	79.4	79.5	79.5
Stack Pressure, (inches of mercury)	30.5	30.5	30.5	30.5
Average Stack Temperature, (°F)	143	155	153	150
Stack Gas Velocity, (actual feet per minute - afpm)	2,337	2,295	2,244	2,292
Stack Flowrate, (actual cubic feet per minute - acfm)	7,343	7,208	7,049	7,200
Stack Flowrate, (standard cubic feet per minute - scfm)	6,563	6,314	6,193	6,357
Stack Flowrate, (dry standard cubic feet per minute - dscfm)	6,327	6,043	5,933	6,101
F-Factor				

Dryer Stack-Shop Towels
G&K Services
Methods 1-4 Summary

Run No.	**1**	**2**	**3**	
Date:	**13-May-09**	**13-May-09**	**13-May-09**	
Start Time	**9:42**	**12:28**	**14:09**	
Stop Time	**11:07**	**13:32**	**15:09**	**AVERAGES**
Barometric Pressure, (inches of mercury)	30.60	30.60	30.60	30.60
Net Sampling Time, (minutes)	65.0	60.0	60.0	61.7
Volume Metered, (cubic feet)	51.816	47.636	46.360	48.604
Average Dry Gas Meter Temperature, (°F)	97	126	95	106
Average ΔH, (inches of water)	1.70	2.00	2.00	1.90
Average ΔH, (inches of mercury)	0.1250	0.1471	0.1471	0.1397
Dry Gas Meter Calibration Factor (Y) Meterbox # 28515	0.9998	0.9998	0.9998	0.9998
Dry Gas Meter ΔH @	1.800	1.800	1.800	1.800
Volume of Gas Collected, (dscf)	50.430	44.099	45.315	46.614
Total Water Collected, (mL)	40.0	42.0	42.0	41.3
Volume of Water Vapor, (scf)	1.886	1.980	1.980	1.949
Moisture, (percent)	3.6	4.3	4.2	4.0
Dry Mole Fraction	0.9639	0.9570	0.9581	0.9597
CO_2 Concentration, (percent dry)	0.3	0.2	0.2	0.2
O_2 Concentration, (percent dry)	20.2	20.4	20.3	20.3
CO and N_2, (percent dry)	79.5	79.4	79.5	79.5
Dry Molecular Weight, (lb/lb mole)	28.86	28.85	28.84	28.85
Wet Molecular Weight, (lb/lb mole)	28.46	28.38	28.39	28.41
Excess Air at Stack, (percent)	2563.5	3632.5	2950.6	3048.8
Stack Area, (square inches)	452.4	452.4	452.4	452.4
Static Pressure, (inches of water)	-0.97	-0.92	-0.91	-0.93
Stack Pressure, (inches of mercury)	30.53	30.53	30.53	30.53
Average Stack Temperature, (°F)	143	155	153	150
Average Sqroot of ΔP	0.6513	0.6320	0.6190	0.6341
SDE Average	15.990	15.675	15.330	15.665
Pitot Coefficient	0.84	0.84	0.84	0.84
Stack Gas Velocity, (actual feet per minute - afpm)	2,337	2,295	2,244	2,292
Stack Flowrate, (actual cubic feet per minute - acfm)	7,343	7,208	7,049	7,200
Stack Flowrate, (standard cubic feet per minute - scfm)	6,563	6,314	6,193	6,357
Stack Flowrate, (dry standard cubic feet per minute - dscfm)	6,327	6,043	5,933	6,101

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40 CFR 60 Methods 2 and 4 -- VELOCITY and MOISTURE

Project No.	Barometric Pressure at Ground Level (in Hg) 30.6				Date 5-13-09
Client G&K	Platform Elevation (ft)				Operator SB
Facility Manchester NH	Adjusted Barometric Pressure (in Hg)				Pressure Gauge ID
Source Dryer Stack	Estimated Stack CO_2 (%)	Estimated Stack O_2 (%)	Pitot ID P3-2	Internal Dimensions (in)	Gauge Sensitivity
Sampling Location			Pitot Side		Thermocouple ID P3-2
Condition			PTCF 0.84		Meter Box ID 28515

Velocity Traverse Data

Run No.		P Static (in H_2O)
		+0.16
Run Time (24-hr)		
Start 9:55		Stop 10:00
Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)
1	135	0.42
2	136	0.45
3	137	0.49
4	140	0.49
5	140	0.50
6	140	0.50
7	141	0.47
8	142	0.47
1	143	0.45
2	144	0.45
3	145	0.48
4	145	0.48
5	147	0.41
6	148	0.28
7	150	0.26
8	151	0.26
Average		

Moisture Sample Data

Test Time Clock (24-hr)	Test Time Elapsed (min)	DGM Reading (ft^3)	DGM Temp. (°F) Inlet	DGM Temp. (°F) Outlet	ΔH (in H_2O)	Vacuum (in Hg)	Impinger Exit Temp. (°F)
9:47	2.11 0	108.601	87	84	1.7	4	57
9:49/50	5	112.5	93	85	1.7	4	51
	10	116.3	99	87	1.7	5	54
	15	120.0	100	88	1.7	5	55
	20	123.7	101	89	1.7	5	56
	25	127.9	102	90	1.7	5	57
10:24	30	131.8	104	92	1.7	5	57
10:36	35 (96 min)	135.7	105	92	1.7	5	59
	40	139.6	101	96	1.7	5	56
	45	143.5	105	96	1.7	5	57
	50	147.3	107	97	1.7	5	57
	55	151.2	108	98	1.7	5	57
	60	155.1	108	99	1.7	5	57
	65	158.9	108	99	1.7	5	58
11:07	67.00	160.417					

Gas Parameters

Moisture Analysis Results

	#1	#2	#3	#4	Silica Gel
Reagent					
Final Volume (g)	3388				
Initial Volume (g)	3348				
Net Moisture Weight Gain (g)					
Total Moisture (g)					

Balance ID _____

Reagent preparation records can be found on page(s) _____ of logbook _____ .

Leak Check Data

	Pre-Test	Post-Test
Meterbox - Vacuum (in Hg)	10"	6
Meterbox - Rate (cfm)	0.00	0.000
Pitot Tube (in H_2O)	✓ (4")	

O_2 / CO_2 Data

	Fyrite	Orsat	CEM
O_2 %			
CO_2 %			

Comments:
(None unless otherwised indicated.)

NOTE: Schematic of Location is drawn on a separate sheet.

Checked By: _____ (Project Manager or QA Manager - sign and date)

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40 CFR 60 Methods 2 and 4 -- VELOCITY and MOISTURE

Project No.	Barometric Pressure at Ground Level (in Hg)				Date 5-13-09
Client GGK	Platform Elevation (ft)				Operator SB CG
Facility	Adjusted Barometric Pressure (in Hg)				Pressure Gauge ID
Source Dryer Stack	Estimated Stack CO_2 (%)	Estimated Stack O_2 (%)	Pitot ID P3-2	Internal Dimensions (in)	Gauge Sensitivity
Sampling Location			Pitot Side		Thermocouple ID P3-2
Condition			PTCF 0.84		Meter Box ID 28515

Velocity Traverse Data

Run No.	P Static (in H_2O)
2	

Run Time (24-hr)	
Start 12:28	Stop 12:32

Traverse Point No.	Flue Gas Temp. (°F)	Δ P (in H_2O)
1	149	0.32
2	150	0.35
3	150	0.41
4	151	0.45
5	151	0.44
6	153	0.45
7	155	0.43
8	154	0.40
1	156	0.44
2	159	0.45
3	159	045
4	159	045
5	160	0.40
6	160	0.36
7	160	0.32
8	156	0.30
Average		

Moisture Sample Data

Test Time Clock (24-hr)	Test Time Elapsed (min)	DGM Reading (ft^3)	DGM Temp. (°F) Inlet	DGM Temp. (°F) Outlet	Δ H (in H_2O)	Vacuum (in Hg)	Impinger Exit Temp. (°F)
12:08	0	160.607	96	99	1.7	4	64
	5	164.5	95	98	1.7	4	55
	10	168.3	97	96	1.7	4	54
	15	172.2	99	95	1.7	4	56
	20	176.0	99	94	1.7	4	56
	25	179.9	99	94	1.7	4	57
12:31 / 12:32	30	183.7	99	93	1.7	4	56
	35	187.6	90	91	1.7	4	57
	40	191.4	94	90	1.7	4	54
	45	195.2	95	90	1.7	4	55
	50	198.9	97	89	1.7	4	57
	55	202.7	99	89	1.7	4	57
	60	206.5	100	89	1.7	4	57

13:22 627.5s 208.243

Gas Parameters

Moisture Analysis Results

	#1	#2	#3	#4	Silica Gel
Reagent					
Final Volume (g)	3430				
Initial Volume (g)	3388				
Net Moisture Weight Gain (g)					
Total Moisture (g)					

Balance ID _____

Reagent preparation records can be found on page(s) _____ of logbook _____.

Leak Check Data

	Pre-Test	Post-Test
Meterbox - Vacuum (in Hg)	6"	6"
Meterbox - Rate (cfm)	0.000	0.000
Pitot Tube (in H_2O)	4"	✓

O_2 / CO_2 Data

	Fyrite	Orsat	CEM
O_2 %			
CO_2 %			

Comments:
(None unless otherwised indicated.)

NOTE: Schematic of Location is drawn on a separate sheet.

Checked By: _____ (Project Manager or QA Manager - sign and date)

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40 CFR 60 Methods 2 and 4 -- VELOCITY and MOISTURE

Project No.	Barometric Pressure at Ground Level (in Hg)				Date 5-13-09
Client G&K	Platform Elevation (ft)				Operator SB CG
Facility	Adjusted Barometric Pressure (in Hg)				Pressure Gauge ID
Source	Estimated Stack CO_2 (%)	Estimated Stack O_2 (%)	Pitot ID P3-2	Internal Dimensions (in)	Gauge Sensitivity
Sampling Location DRYER STACK			Pitot Side		Thermocouple ID P3-2
Condition			PTCF 0.84		Meter Box ID ~~58515~~ 28515 DAP

Velocity Traverse Data

Run No.	P Static (in H_2O)
3	~~+0.45~~

Run Time (24-hr)	
Start	Stop

Traverse Point No.	Flue Gas Temp. (°F)	ΔP (in H_2O)
1	159	0.31
2	160	0.32
3	160	0.35
4	160	0.44
5	160	0.45
6	160	0.49
7	160	0.47
8	160	0.44
1	159	0.35
2	160	0.36
3	160	0.42
4	159	0.43
5	159	0.39
6	159	0.34
7	159	0.31
8	159	0.30
Average		

Moisture Sample Data

Test Time Clock (24-hr)	Test Time Elapsed (min)	DGM Reading (ft^3)	DGM Temp. (°F) Inlet	DGM Temp. (°F) Outlet	ΔH (in H_2O)	Vacuum (in Hg)	Impinger Exit Temp. (°F)
14:02	0	208.429	94	93	1.7	4	58
	5	212.2	95	93	1.7	4	54
	10	216.0	96	93	1.7	4	56
	15	219.8	98	92	1.7	4	56
	20	223.6	100	92	1.7	4	57
	25	227.4	103	92	1.7	4	59
14:35	30	231.2	103	92	1.7	4	58
14:53	35	235.1	94	91	1.7	4	60
	40	238.9	97	92	1.7	4	57
	45	242.7	99	92	1.7	4	58
	50	246.6	101	92	1.7	4	56
	55	250.4	102	92	1.7	4	56
	60	254.2	102	92	1.7	4	57
15:22	61 min 20s	255.236					

				Gas Parameters

Moisture Analysis Results

	#1	#2	#3	#4	Silica Gel
Reagent					
Final Volume (g)	3472				
Initial Volume (g)	3430				
Net Moisture Weight Gain (g)					
Total Moisture (g)					

Balance ID _____

Reagent preparation records can be found on page(s) _____ of logbook _____.

Leak Check Data

	Pre-Test	Post-Test
Meterbox - Vacuum (in Hg)		
Meterbox - Rate (cfm)		
Pitot Tube (in H_2O)		

O_2 / CO_2 Data

	Fyrite	Orsat	CEM
O_2 %			
CO_2 %			

Comments:
(None unless otherwised indicated.)

NOTE: Schematic of Location is drawn on a separate sheet.

Checked By: _____(Project Manager or QA Manager - sign and date)

Dryer Stack-Print Towels
G&K Services
Exhaust Gas Flow Rate Summary

Run No.	**1**	**2**	
Date:	**14-May-09**	**14-May-09**	
Start Time	**10:23**	**14:32**	
Stop Time	**13:40**	**16:34**	**AVERAGES**
Net Sampling Time, (minutes)	61.0	70.0	65.5
Volume of Gas Collected, (dscf)	50.454	53.025	51.739
Dry Mole Fraction	0.9452	0.9574	0.9513
CO_2 Concentration, (percent dry)	0.3	0.2	0.3
O_2 Concentration, (percent dry)	20.2	20.4	20.3
CO and N_2, (percent dry)	79.5	79.4	79.5
Stack Pressure, (inches of mercury)	30.3	30.3	30.3
Average Stack Temperature, (°F)	159	160	159
Stack Gas Velocity, (actual feet per minute - afpm)	2,367	2,372	2,370
Stack Flowrate, (actual cubic feet per minute - acfm)	7,438	7,451	7,444
Stack Flowrate, (standard cubic feet per minute - scfm)	6,433	6,429	6,431
Stack Flowrate, (dry standard cubic feet per minute - dscfm)	6,081	6,155	6,118
F-Factor			

Dryer Stack-Print Towels
G&K Services
Methods 1-4 Summary

Run No.	**1**	**2**		
Date:	**14-May-09**	**14-May-09**		
Start Time	**10:23**	**14:32**		
Stop Time	**13:40**	**16:34**		**AVERAGES**
Barometric Pressure, (inches of mercury)	30.36	30.36		30.36
Net Sampling Time, (minutes)	61.0	70.0		65.5
Volume Metered, (cubic feet)	50.185	52.447		51.316
Average Dry Gas Meter Temperature, (°F)	75	72		74
Average ΔH, (inches of water)	1.70	1.70		1.70
Average ΔH, (inches of mercury)	0.1250	0.1250		0.1250
Dry Gas Meter Calibration Factor (Y) Meterbox # 28515	0.9998	0.9998		0.9998
Dry Gas Meter ΔH @	1.800	1.800		1.800
Volume of Gas Collected, (dscf)	50.454	53.025		51.739
Total Water Collected, (mL)	62.0	50.0		56.0
Volume of Water Vapor, (scf)	2.923	2.358		2.640
Moisture, (percent)	5.5	4.3		4.9
Dry Mole Fraction	0.9452	0.9574		0.9513
CO_2 Concentration, (percent dry)	0.3	0.2		0.3
O_2 Concentration, (percent dry)	20.2	20.4		20.3
CO and N_2, (percent dry)	79.5	79.4		79.5
Dry Molecular Weight, (lb/lb mole)	28.86	28.85		28.85
Wet Molecular Weight, (lb/lb mole)	28.26	28.39		28.32
Excess Air at Stack, (percent)	2563.5	3632.5		3098.0
Stack Area, (square inches)	452.4	452.4		452.4
Static Pressure, (inches of water)	-0.47	-0.92		-0.70
Stack Pressure, (inches of mercury)	30.33	30.29		30.31
Average Stack Temperature, (°F)	159	160		159
Average Sqroot of ΔP	0.6466	0.6484		0.6475
SDE Average	16.084	16.139		16.112
Pitot Coefficient	0.84	0.84		0.84
Stack Gas Velocity, (actual feet per minute - afpm)	2,367	2,372		2,370
Stack Flowrate, (actual cubic feet per minute - acfm)	7,438	7,451		7,444
Stack Flowrate, (standard cubic feet per minute - scfm)	6,433	6,429		6,431
Stack Flowrate, (dry standard cubic feet per minute - dscfm)	6,081	6,155		6,118

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40 CFR 60 Methods 2 and 4 -- VELOCITY and MOISTURE

Project No.	Barometric Pressure at Ground Level (in Hg) 30.36				Date 5-14-09
Client G&K	Platform Elevation (ft)				Operator SB CG
Facility Manchester NH	Adjusted Barometric Pressure (in Hg)				Pressure Gauge ID
Source Dryer Stack	Estimated Stack CO_2 (%)	Estimated Stack O_2 (%)	Pitot ID P3-2	Internal Dimensions (in)	Gauge Sensitivity
Sampling Location			Pitot Side		Thermocouple ID P3-2
Condition			PTCF 0.84		Meter Box ID 28515

Velocity Traverse Data

Run No.	P Static (in H_2O)
4	~~+~~0.47

Run Time (24-hr)	
Start 10:42	Stop 10:47

Traverse Point No.	Flue Gas Temp. (°F)	Δ P (in H_2O)
1	156	0.24
2	159	0.29
3	160	0.37
4	160	0.43
5	160	0.48
6	160	0.48
7	159	0.43
8	159	0.40
1	160	0.45
2	160	0.51
3	159	0.53
4	159	0.54
5	160	0.50
6	160	0.40
7	159	0.35
8	159	0.36
Average		

Moisture Sample Data

Test Time Clock (24-hr)	Test Time Elapsed (min)	DGM Reading (ft^3)	DGM Temp. (°F) Inlet	DGM Temp. (°F) Outlet	Δ H (in H_2O)	Vacuum (in Hg)	Impinger Exit Temp. (°F)
10:23	0	311.725	78	75	1.7	3	55
	5	315.5	81	75	1.7	3	52
	10	319.3	83	75	1.7	3	53
	15	323.1	84	75	1.7	3	54
	20	326.9	84	75	1.7	3	55
10:57	~~25~~	330.6	84	75	1.7	3	56
13:08	30	334.5	84	75	1.7	3	57
	35	337.486 338.3	68	68	1.7	3	58
	40	342.3	71	68	1.7	3	55
	45	346.0	74	68	1.7	3	58
	50	349.8	76	68	1.7	3	56
	55	353.7	78	68	1.7	3	56
	60	357.4	80	68	1.7	3	54
		361.1	80	69	1.7	3	56
13:40	61min	361.910					

Gas Parameters

Moisture Analysis Results

	#1	#2	#3	#4	Silica Gel
Reagent					
Final Volume (g)					3534
Initial Volume (g)					3472
Net Moisture Weight Gain (g)					
Total Moisture (g)					

Balance ID _____

Reagent preparation records can be found on page(s) _____ of logbook _____ .

Leak Check Data

	Pre-Test	Post-Test
Meterbox - Vacuum (in Hg)	10"	6
Meterbox - Rate (cfm)	0.000	0.000
Pitot Tube (in H_2O)	4"	✓

O_2 / CO_2 Data

	Fyrite	Orsat	CEM
O_2 %			
CO_2 %			

Comments:
(None unless otherwised indicated.)

NOTE: Schematic of Location is drawn on a separate sheet.

Checked By: _____ (Project Manager or QA Manager - sign and date)

TRC

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40 CFR 60 Methods 2 and 4 -- VELOCITY and MOISTURE

Project No.	Barometric Pressure at Ground Level (in Hg) 30.2				Date 5-14
Client G&K	Platform Elevation (ft)				Operator SD CG
Facility Manchester NH	Adjusted Barometric Pressure (in Hg)				Pressure Gauge ID
Source Dryer Stack	Estimated Stack CO_2 (%)	Estimated Stack O_2 (%)	Pitot ID P3-2	Internal Dimensions (in)	Gauge Sensitivity
Sampling Location			Pitot Side		Thermocouple ID P3-2
Condition			PTCF 0.84		Meter Box ID 28515

Velocity Traverse Data

Run No.	P Static (in H_2O)
5	+0.46

Run Time (24-hr)	
Start	Stop

Traverse Point No.	Flue Gas Temp. (°F)	Δ P (in H_2O)
1	161	0.31
2	160	0.35
3	161	0.33
4	159	0.51
5	159	0.50
6	160	0.50
7	159	0.47
8	159	0.45
1	159	0.42
2	159	0.44
3	159	0.47
4	159	0.47
5	159	0.47
6	160	0.40
7	160	0.35
8	160	0.33
Average		

Moisture Sample Data

Test Time Clock (24-hr)	Test Time Elapsed (min)	DGM Reading (ft^3)	DGM Temp. (°F) Inlet	DGM Temp. (°F) Outlet	Δ H (in H_2O)	Vacuum (in Hg)	Impinger Exit Temp. (°F)
14:32	0	362.246	68	68	1.7	3	53
	5	366.0	73	68	1.7	3	47
	10	369.7	76	68	1.7	3	49
	15	373.5	79	68	1.7	3	51
	20	377.2	80	69	1.7	3	51
	25	381.0	81	69	1.7	3	51
	30	384.7	81	69	1.7	3	52
15:28	35	388.415	68	68	1.7	3	54
	40	392.1	70	68	1.7	3	49
	45	396.0	74	67	1.7	3	51
	50	399.6	77	67	1.7	3	54
	55	403.4	78	68	1.7	3	56
	60	407.1	79	68	1.7	3	55
		410.9	80	68	1.7	3	55
16:34	70m	414.693					

Gas Parameters

Moisture Analysis Results

	#1	#2	#3	#4	Silica Gel
Reagent					
Final Volume (g)				3408	
Initial Volume (g)				3358	
Net Moisture Weight Gain (g)					
Total Moisture (g)					

Balance ID _____

Reagent preparation records can be found on page(s) _____ of logbook _____ .

Leak Check Data

	Pre-Test	Post-Test
Meterbox - Vacuum (in Hg)	8"	
Meterbox - Rate (cfm)	0.000	
Pitot Tube (in H_2O)		

O_2 / CO_2 Data

	Fyrite	Orsat	CEM
O_2 %			
CO_2 %			

Comments:
(None unless otherwised indicated.)

NOTE: Schematic of Location is drawn on a separate sheet.

Checked By: _____ (Project Manager or QA Manager - sign and date)

Dryer Stack-OFF
G&K Services
Exhaust Gas Flow Rate Summary

Run No.	**1**	
Date:	**14-May-09**	
Start Time	**00:00**	
Stop Time	**00:00**	**AVERAGES**
Net Sampling Time, (minutes)	65.0	65.0
Volume of Gas Collected, (dscf)	50.591	50.591
Dry Mole Fraction	0.9641	0.9641
CO_2 Concentration, (percent dry)	0.3	0.3
O_2 Concentration, (percent dry)	20.2	20.2
CO and N_2, (percent dry)	79.5	79.5
Stack Pressure, (inches of mercury)	30.2	30.2
Average Stack Temperature, (°F)	88	88
Stack Gas Velocity, (actual feet per minute - afpm)	138	138
Stack Flowrate, (actual cubic feet per minute - acfm)	434	434
Stack Flowrate, (standard cubic feet per minute - scfm)	422	422
Stack Flowrate, (dry standard cubic feet per minute - dscfm)	406	406
F-Factor		

Per request of Bill Osbahr the flow rate measured with the Dryer OFF on 5/14 was used for calculation of emissions during periods during which the dryer was OFF during 5/13 and 5/14

Dryer Stack-OFF
G&K Services
Methods 1-4 Summary

Run No.	**1**			
Date:	**14-May-09**			
Start Time				
Stop Time				**AVERAGES**
Barometric Pressure, (inches of mercury)	30.20			30.20
Net Sampling Time, (minutes)	65.0			65.0
Volume Metered, (cubic feet)	51.816			51.816
Average Dry Gas Meter Temperature, (°F)	88			88
Average ΔH, (inches of water)	1.70			1.70
Average ΔH, (inches of mercury)	0.1250			0.1250
Dry Gas Meter Calibration Factor (Y) Meterbox # 28515	0.9998			0.9998
Dry Gas Meter ΔH @	1.800			1.800
Volume of Gas Collected, (dscf)	50.591			50.591
Total Water Collected, (mL)	40.0			40.0
Volume of Water Vapor, (scf)	1.886			1.886
Moisture, (percent)	3.6			3.6
Dry Mole Fraction	0.9641			0.9641
CO_2 Concentration, (percent dry)	0.3			0.3
O_2 Concentration, (percent dry)	20.2			20.2
CO and N_2, (percent dry)	79.5			79.5
Dry Molecular Weight, (lb/lb mole)	28.86			28.86
Wet Molecular Weight, (lb/lb mole)	28.47			28.47
Excess Air at Stack, (percent)	2563.5			2563.5
Stack Area, (square inches)	452.4			452.4
Static Pressure, (inches of water)	0.00			0.00
Stack Pressure, (inches of mercury)	30.20			30.20
Average Stack Temperature, (°F)	88			88
Average Sqroot of ΔP				#DIV/0!
SDE Average				#DIV/0!
Pitot Coefficient				#DIV/0!
Stack Gas Velocity, (actual feet per minute - afpm)	138			138
Stack Flowrate, (actual cubic feet per minute - acfm)	434			434
Stack Flowrate, (standard cubic feet per minute - scfm)	422			422
Stack Flowrate, (dry standard cubic feet per minute - dscfm)	406			406

Process Off-Line
Flow Measurements
6th - May 14 2009

Source	Time	Flow Rate (fpm) Alnor	TSI	ADM-870
water Heater	12:55	60	50	50
Dryer	13:00	101	122	123
		110	113	145
		123	100	145

TRC

EPA Method 3 - Tedlar Bag Samples Analyzed on Calibrated Analyzers

Date	5-13-09
Client	G&K
Source	Dryer
CO2 Analyzer	01420C 2504
O2 Analyzer	01415C 502

Calibration

Gas	Oxygen (%)		Carbon Dioxide (%)	
	Actual	Response	Actual	Response
Zero	0.0	0.1	0.0	0.0
Span	10.0	10.0	10.0	10.1
Mid	22.1	22.1	18.1	18.2

Tedlar Bag Analysis

Sample ID	Oxygen (%)	Carbon Dioxide (%)
Dryer 1	20.2	0.3
Dryer 2	20.4	0.2
Dryer 3	20.3	0.2
Dryer 4	20.0	0.7
Dryer 5	20.1	0.5
(ON) Water Heater 1	14.7	4.0
(") Water Heater 2	20.4	0.3

— Composite bag sample collected during water heater operating condition (approximately 10 2-minute periods) - JC

TRC

EPA Method 3 - Tedlar Bag Samples Analyzed on Calibrated Analyzers

Date	5-14-09
Client	G&K
Source	Dryer / Water Heater
CO2 Analyzer	01420C 2504
O2 Analyzer	01415C 502

Calibration

Gas	Oxygen (%)		Carbon Dioxide (%)	
	Actual	Response	Actual	Response
Zero	0.0	0.0	0.0	0.1
Span	10.0	10.1	10.0	10.0
Mid	22.1	22.1	18.1	18.0

Tedlar Bag Analysis

Sample ID	Oxygen (%)	Carbon Dioxide (%)
Dryer 6	20.6	0.3
Dryer 7	20.3	0.6
Dryer 8	20.2	0.4
Dryer 9	20.5	0.7
Dryer 10	20.3	0.7
Dryer 11	20.4	0.6
Dryer 12	20.2	0.8

TRC

EPA Method 3 - Tedlar Bag Samples Analyzed on Calibrated Analyzers

Date	5-14-09
Client	G&K
Source	Water Heater/Dryer
CO2 Analyzer	
O2 Analyzer	

Calibration

Gas	Oxygen (%)		Carbon Dioxide (%)	
	Actual	Response	Actual	Response
Zero	Cals - done earlier			
Span				
Mid				

Tedlar Bag Analysis

Sample ID	Oxygen (%)	Carbon Dioxide (%)
Water Heater 3	11.3	6.0
Dryer 13	20.2	0.8
Dryer 14	20.1	0.7
Dryer 15	20.1	0.8