Appendix B-1

Field Data Sheets
Engine #1

ISOKINETIC SAMPLING DATA

Plant Name, City, State, Project Number	Sampling Location	Method No.	Run Number	Test Date	Notes
Waste Mgmt Maine	ENGINE 1 STACK	M5	ENGINE1-1	9/3/09	Total Moisture Catch: F 3631 I 3486 N 145

Operators	Stack I.D. (in.)	Ambient T. (°F)	Barometric (in. Hg)	Static Pressure	Assumed Moist. %	O2 (%) 8.5	CO2 (%) 10.3	Probe Length and Liner Type	Filter Type	Filter Number
KL/EB	16	65	30.12	-0.31	10	0.218 (w)		3'-Glass	Quartz	725

DGM No.	DGM Delta H@	DGM CAL Y	Pitot No.	Pitot Tube Cp	Pitot Leak Check	Nozzle Number	Nozzle Diameter	Leak Check (Initial) cfm	Leak Check (Initial) (in Hg)	Leak Check (Final) cfm	Leak Check (Final) (in Hg)	K Factor
80823	1.671	0.9936	4-3	0.84	✓		0.343	0.000	12.5	0.000	8.0	0.85

y = 0.991
ΔH@ = 1.892

Point Number	Clock Time (24-hour)	Elapsed Test Time (min)	Dry Gas Meter Reading (Cubic Feet)	ΔP Velocity (in H2O)	ΔH Orifice (in H2O)	Stack Temp. (°F)	Probe Temp. (°F)	Filter Oven Temp. (°F)	Impinger Temp. (°F)	Filter Exit or Heated Line Temp. (°F)	XAD Trap Temp. (°F)	DGM Temp. (°F) DGM In	DGM Temp. (°F) DGM Out	Sample Train Vacuum (in Hg)
A 1	~~0700~~	0	309.404	2.4	2.05	822	251	252	56	N/A	N/A	68	61	2
2	0730	4	312.5	2.5	2.13	814	264	263	55	—	—	73	62	2
3		8	315.8	2.3	1.95	814	261	263	55	—	—	74	63	2
4		12	319.0	2.3	1.95	793	257	259	60	—	—	76	66	2
5		16	321.9	2.3	1.95	773	256	257	60	—	—	79	66	2
6		20	325.1	2.2	1.85	785	257	256	61	—	—	81	70	2
7		24	328.1	2.2	1.85	782	255	255	61	—	—	81	71	2
8		28	331.0	2.2	1.85	782	260	261	61	—	—	83	71	2
B 1		32	334.0	2.2	1.85	775	260	259	63	—	—	84	72	2
2		36	337.0	2.3	1.95	779	259	265	65	—	—	85	74	2
3		40	340.1	2.3	1.95	777	261	267	67	—	—	85	75	2
4		44	343.1	2.3	1.95	778	262	259	65	—	—	86	76	2
5		48	346.1	2.2	1.85	772	263	268	64	—	—	87	77	2
6		52	349.0	2.2	1.85	775	261	267	64	—	—	89	78	2
7		56	352.1	2.2	1.85	778	260	267	65	—	—	88	78	2
8		60	355.0	2.0	1.70	778	261	265	65	—	—	89	78	2
STOP	0838	64	358.449	—	—	—	—	—	—	—	—	—	—	—

Total Run Time	DGM Volume	Ave. SQRT ΔP	Average ΔH	Stack Temp
64				

DGM Temp.

TRC

ISOKINETIC SAMPLING DATA

Plant Name, City, State, Project Number	Sampling Location	Method No.	Run Number	Test Date	Notes
Waste Mgmt Maine	ENGINE 1 - STACK	M5	ENGINE 1-2	9/3/09	Total Moisture Catch: E 3659 I 3503 N 156

Operators	Stack I.D. (in.)	Ambient T. (°F)	Barometric (In. Hg)	Static Pressure	Assumed Moist. %	O2 (%)	CO2 (%)	Probe Length and Liner Type	Filter Type	Filter Number
EB/KC	16	70	30.12	-0.30	10	8.4	10.3	3'-Glass	Quartz	482

DGM No.	DGM Delta H@	DGM CAL Y	Pitot No.	Pitot Tube Cp	Pitot Leak Check	Nozzle Number	Nozzle Diameter	Leak Check (Initial) cfm	Leak Check (Initial) (In Hg)	Leak Check (Final) cfm	Leak Check (Final) (In Hg)	K Factor
80823	1.671	0.9936	4-3	0.84	✓		0.218	0.000	6.0	0.001	8.5	0.85

y = 0.991
ΔH@ = 1.892

Point Number	Clock Time (24-hour)	Elapsed Test Time (min)	Dry Gas Meter Reading (Cubic Feet)	ΔP Velocity (In H2O)	ΔH Orifice (In H2O)	Stack Temp. (°F)	Probe Temp. (°F)	Filter Oven Temp. (°F)	Impinger Temp. (°F)	Filter Exit or Heated Line Temp. (°F)	XAD Trap Temp. (°F)	DGM Temp. (°F) DGM In	DGM Temp. (°F) DGM Out	Sample Train Vacuum (In Hg)
A 1	0850	0	362.193	2.2	1.85	782	251	248	62	N/A	N/A	88	84	2.0
2		4	365.1	2.2	1.85	800	252	260	61	—	—	93	85	2.0
3		8	368.0	2.2	1.85	815	253	262	61	—	—	94	86	2.0
4		12	370.9	2.2	1.85	819	258	261	61	—	—	96	8C	2.0
5		16	374.0	2.2	1.85	815	259	262	62	—	—	98	88	2.0
6		20	377.1	2.1	1.80	811	256	261	62	—	—	99	90	2.0
7		24	380.1	2.1	1.80	800	257	263	63	—	—	101	91	2.0
8		28	3829	2.1	1.80	800	258	260	63	—	—	101	91	2.0
B 1		32	386.0	2.3	1.95	787	256	259	64	—	—	102	92	3.0
2		36	389.0	2.3	1.95	767	255	257	64	—	—	103	93	3.0
3		40	392.1	2.3	1.95	763	254	256	64	—	—	103	94	3.0
4		44	394.9	2.2	1.85	768	256	255	64	—	—	103	94	3.0
5		48	398.0	2.2	1.85	758	257	254	65	—	—	103	95	3.0
6		52	401.1	2.2	1.85	752	253	260	61	—	—	103	95	3.0
7		56	404.0	2.1	1.80	760	254	261	62	—	—	102	95	3.0
8		60	407.1	2.0	1.70	760	255	262	62	—	—	102	95	3.0
STOP	0900	64	410.574	—	—	—	—	—	—	—	—	—	—	—

Total Run Time	DGM Volume	Ave. SQRT ΔP	Average ΔH	Stack Temp
64				

Ave. DGM Temp.

TRC

ISOKINETIC SAMPLING DATA

Plant Name, City, State, Project Number	Sampling Location	Method No.	Run Number	Test Date	Notes
Waste Mgmt Maine	ENGINE 1 STACK	M5	ENGINE 1-3	9/3/09	Total Moisture Catch: F 3663 I 3518 N 145

Operators	Stack I.D. (in.)	Ambient T. (°F)	Barometric (in. Hg)	Static Pressure	Assumed Moist. %	O2 (%)	CO2 (%)	Probe Length and Liner Type	Filter Type	Filter Number
KL/EB	16	70	30.12	-0.2	10	8.33	10.22	3'-Glass	Quartz	683

DGM No.	DGM Delta H@	DGM CAL Y	Pitot No.	Pitot Tube Cp	Pitot Leak Check	Nozzle Number	Nozzle Diameter	Leak Check (Initial) cfm	Leak Check (Initial) (in Hg)	Leak Check (Final) cfm	Leak Check (Final) (in Hg)	K Factor
80823	1.671	0.9936	4-3	0.84	✓		0.218	0.000	9.5	0.002	12.5	0.85

y = 0.991
ΔH@ = 1.892

Point Number	Clock Time (24-hour)	Elapsed Test Time (min)	Dry Gas Meter Reading (Cubic Feet)	ΔP Velocity (in H2O)	ΔH Orifice (in H2O)	Stack Temp. (°F)	Probe Temp. (°F)	Filter Oven Temp. (°F)	Impinger Temp. (°F)	Filter Exit or Heated Line Temp. (°F)	XAD Trap Temp. (°F)	DGM Temp. (°F) DGM In	DGM Temp. (°F) DGM Out	Sample Train Vacuum (in Hg)
A 1	1002	0	411.315	2.1	1.80	800	261	258	59	N/A	N/A	98	95	3.0
2		4	414.2	2.2	1.90	801	259	257	60	—	—	100	95	3.0
3		8	417.0	2.3	1.95	805	262	259	61	—	—	100	95	3.0
4		12	419.9	2.2	1.90	805	263	252	62	—	—	101	95	3.0
5		16	422.8	2.2	1.90	815	264	258	62	—	—	102	96	3.0
6		20	426.0	2.2	1.90	815	265	257	63	—	—	103	96	3.0
7		24	428.9	2.2	1.90	817	263	255	63	—	—	103	96	3.0
8		28	432.0	2.1	1.80	813	260	256	64	—	—	104	97	3.0
B 1		32	435.1	2.2	1.90	800	261	257	64	—	—	102	97	3.0
2		36	438.1	2.0	1.70	808	263	260	60	—	—	100	96	3.0
3		40	441.2	2.1	1.80	807	260	262	61	—	—	100	96	3.0
4		44	444.3	2.2	1.90	804	260	263	61	—	—	100	95	3.0
5		48	447.3	2.2	1.90	804	258	261	61	—	—	99	95	3.0
6		52	450.2	2.2	1.90	806	257	263	62	—	—	99	95	0.0
7		56	453.3	2.3	1.95	806	259	260	62	—	—	99	94	3.0
8		60	456.4	2.3	1.95	811	257	258	63	—	—	99	93	3.0
STOP	1108	64	459.568	—	—	—	—	—	—	—	—	—	—	—

Total Run Time	DGM Volume	Ave. SQRT ΔP	Average ΔH	Stack Temp	Ave. DGM Temp.

TRC