

A = EU 001

B = EU 003

SO <sub>2</sub> Emissions Tracking												
Manatee Fuel Oil Terminal												
Calendar Year 2010												
	Operations		Diesel			Natural Gas Usage			Total SO <sub>2</sub>			
	Hours		Max	Gallons		Sulfur	SCF		Lbs		Tons	
Month/Heater	Month	YTD	Sulfur %	Month	YTD	Grains/MMSCF	Month	YTD	Month	YTD	Month	YTD
January A	344.0	344.0	0.05%	→19,756	19,756			0	140.27	140.27	0.07	0.07
January B	0.0	0.0		0	0		0	0	0.00	140.27	0.00	0.07
February A	159.0	503.0	0.05%	→ 5,874	25,630			0	41.71	181.97	0.02	0.09
February B	5.0	5.0		0	0	2,000	9,000	9,000	0.01	181.98	0.00	0.09
March A	34.0	537.0	0.05%	→ 1,138	26,768			0	8.08	190.06	0.00	0.10
March B	1.0	6.0		0	0	2,000	7,000	16,000	0.00	190.06	0.00	0.10
April A	50.0	587.0	0.05%	→ 2,665	29,433			0	18.92	208.98	0.01	0.10
April B	0.0	6.0		0	0			16,000	0.00	208.98	0.00	0.10
May A	327.0	914.0	0.05%	→13,384	42,817			0	95.03	304.01	0.05	0.15
May B	3.0	9.0			0	2,000	6,000	22,000	0.00	304.01	0.00	0.15
June A		914.0			42,817			0	0.00	304.01	0.00	0.15
June B		9.0			0			22,000	0.00	304.01	0.00	0.15
July A		914.0			42,817			0	0.00	304.01	0.00	0.15
July B		9.0			0			22,000	0.00	304.01	0.00	0.15
August A		914.0			42,817			0	0.00	304.01	0.00	0.15
August B		9.0			0			22,000	0.00	304.01	0.00	0.15
September A		914.0			42,817			0	0.00	304.01	0.00	0.15
September B		9.0			0			22,000	0.00	304.01	0.00	0.15
October A		914.0			42,817			0	0.00	304.01	0.00	0.15
October B		9.0			0			22,000	0.00	304.01	0.00	0.15
November A		914.0			42,817			0	0.00	304.01	0.00	0.15
November B		9.0			0			22,000	0.00	304.01	0.00	0.15
December A		914.0			42,817			0	0.00	304.01	0.00	0.15
December B		9.0			0			22,000	0.00	304.01	0.00	0.15
Emission calculations are based on factors contained in Tables 1.3-1 and 1.4-2 of EPA AP42 publication.												

**Calendar Year 2009**

**FPL - Manatee Fuel Oil Terminal - Monthly Sulfur Dioxide Emissions Tracking Log**

Month / Heater	Operations		No. 2 Oil/Used Oil				No. 6 Oil				Total SO2	
	Hours Month	Hours YTD	Gallons Month	Gallons YTD	SO2-Lbs Month	SO2-Lbs YTD	Gallons Month	Gallons YTD	SO2-Lbs Month	SO2-Lbs YTD	Lbs YTD	Tons YTD
January A	162.0	162.0	9597	9597	692	692	0	0	0	0	692	0.35
January B		0.0		0	0	0	0	0	0	0	0	0.00
February A	68.0	230.0	3679	13276	265	957	0	0	0	0	957	0.48
February B		0.0		0	0	0	0	0	0	0	0	0.00
March A	47.0	277.0	3130	16406	226	1183	0	0	0	0	1183	0.59
March B		0.0		0	0	0	0	0	0	0	0	0.00
April A	232.0	509.0	9029	25435	651	1834	0	0	0	0	1834	0.92
April B		0.0		0	0	0	0	0	0	0	0	0.00
May A	393.0	902.0	13980	39415	1008	2842	0	0	0	0	2842	1.42
May B		0.0		0	0	0	0	0	0	0	0	0.00
June A	292.0	1194.0	→11707	51122	844	3686	0	0	0	0	3686	1.84
June B		0.0		0	0	0	0	0	0	0	0	0.00
July A	150.0	1344.0	→4297	55419	310	3996	0	0	0	0	3996	2.00
July B	2.0	2.0	61	61	4	4	0	0	0	0	4	0.00
August A	239.0	1583.0	→8857	64276	639	4634	0	0	0	0	4634	2.32
August B	0.0	2.0	0	61	0	4	0	0	0	0	4	0.00
September A	172.0	1755.0	→4612	68888	333	4967	0	0	0	0	4967	2.48
September B	0.0	2.0	0	61	0	4	0	0	0	0	4	0.00
October A	164.0	1919.0	→6697	75585	483	5450	0	0	0	0	5450	2.72
October B	1.0	3.0	8	69	1	5	0	0	0	0	5	0.00
November A	81.0	2000.0	→3316	78901	239	5689	0	0	0	0	5689	2.84
November B		3.0		69	0	5	0	0	0	0	5	0.00
December A	252.0	2252.0	→8984	87885	648	6337	0	0	0	0	6337	3.17
December B		3.0		69	0	5	0	0	0	0	5	0.00
Lbs./SO2 = gallons x lbs./gallon based on fuel type x lbs./ gallon sulfur x 2 [ Conversion factor for Sulfur to SO2]												

# 2 Oil Heaters A + B Total Usage Year to Date 87954

**Calendar Year 2008**

**FPL - Manatee Fuel Oil Terminal - Monthly Sulfur Dioxide Emissions Tracking Log**

Month / Heater	Operations		No. 2 Oil/Used Oil				No. 6 Oil				Total SO2	
	Hours Month	Hours YTD	Gallons Month	Gallons YTD	SO2-Lbs Month	SO2-Lbs YTD	Gallons Month	Gallons YTD	SO2-Lbs Month	SO2-Lbs YTD	Lbs YTD	Tons YTD
January A	197.0	197.0	9680	9680	698	698	0	0	0	0	698	0.35
January B	0.0	0.0	0	0	0	0	0	0	0	0	0	0.00
February A	28.0	225.0	1618	11298	117	815	0	0	0	0	815	0.41
February B	0.0	0.0	0	0	0	0	0	0	0	0	0	0.00
March A	178.0	403.0	10049	21347	725	1539	0	0	0	0	1539	0.77
March B	0.0	0.0	0	0	0	0	0	0	0	0	0	0.00
April A	0.0	403.0	0	21347	0	1539	0	0	0	0	1539	0.77
April B	262.0	262.0	10368	10368	748	748	0	0	0	0	748	0.37
May A	285.0	688.0	8348	29695	602	2141	0	0	0	0	2141	1.07
May B	120.0	382.0	4534	14902	327	1074	0	0	0	0	1074	0.54
June A	342.0	1030.0	7741	37436	558	2699	0	0	0	0	2699	1.35
June B	0.0	382.0	0	14902	0	1074	0	0	0	0	1074	0.54
July A	261.0	1291.0	5353	42789	386	3085	0	0	0	0	3085	1.54
July B	2.0	384.0	72	14974	5	1080	0	0	0	0	1080	0.54
August A	228.0	1519.0	7583	50372	547	3632	0	0	0	0	3632	1.82
August B	3.0	387.0	139	15113	10	1090	0	0	0	0	1090	0.54
September A	251.0	1770.0	6284	56656	453	4085	0	0	0	0	4085	2.04
September B	0.0	387.0	0	15113	0	1090	0	0	0	0	1090	0.54
October A	117.0	1887.0	3419	60075	247	4331	0	0	0	0	4331	2.17
October B	0.0	387.0	0	15113	0	1090	0	0	0	0	1090	0.54
November A	199.0	2086.0	7711	67786	556	4887	0	0	0	0	4887	2.44
November B	0.0	387.0	0	15113	0	1090	0	0	0	0	1090	0.54
December A	258.0	2344.0	8681	76467	626	5513	0	0	0	0	5513	2.76
December B	3.0	390.0	19	15132	1	1091	0	0	0	0	1091	0.55
Lbs./SO2 = gallons x lbs./gallon based on fuel type x lbs./ gallon sulfur x 2 [ Conversion factor for Sulfur to SO2]												

# 2 Oil Heaters A + B Total Usage Year to Date 91599

MANATEE FUEL OIL TERMINAL							
AVERAGE DAILY HEAT INPUT RATE TRACKING							
		YEAR: 2010		MONTH: May			
DAY	HEATER	DIESEL		NATURAL GAS		TOTAL DAILY HOURS	AVG. DAILY HEAT INPUT MMBTU/HR
		HOURS	GALLONS	HOURS	SCF		
1	A						0
1	B						0
2	A						0
2	B						0
3	A						0
3	B						0
4	A						0
4	B						0
5	A	12.0	624			12.0	7.23
5	B						0
6	A	23.0	1213			23.0	7.33
6	B						0
7	A	16.0	809			16.0	7.03
7	B						0
8	A						0
8	B						0
9	A						0
9	B						0
10	A						0
10	B						0
11	A						0
11	B						0
12	A						0
12	B						0
13	A						0
13	B						0
14	A	9.0	256			9.0	3.95
14	B						0
15	A	24.0	858			24.0	4.97
15	B						0
16	A	24.0	867			24.0	5.02
16	B						0
17	A	24.0	866			24.0	5.02
17	B						0
18	A	18.0	645			18.0	4.98
18	B			3.0	6,000	3.0	2.06
19	A	24.0	871			24.0	5.04
19	B						0
20	A	8.0	287			8.0	4.99
20	B						0
21	A						0
21	B						0
22	A	17.0	632			17.0	5.17
22	B						0
23	A	24.0	956			24.0	5.54
23	B						0
24	A	22.0	701			22.0	4.43
24	B						0
25	A	24.0	817			24.0	4.73
25	B						0
26	A	7.0	287			7.0	5.70
26	B						0
27	A						0
27	B						0
28	A						0
28	B						0
29	A						0
29	B						0
30	A						0
30	B						0
31	A						0
31	B						0


**Marathon  
Petroleum Company LLC**

Product: No. 2 Diesel Fuel / Fuel Oil

**Certificate of Analysis**  
 Louisiana Refining Division

 4663 West Airline Highway  
 Garyville, LA 70051  
 Phone No: (504) 535-2100  
 Fax No: (504) 535-7445  
 Date: 2/12/2010 8:01:50 AM

**Sample Description:**

 Tank: TK300-8  
 Batch Number: ULD100010  
 Vessel:

**Sample Date:**

 Date Analyzed Completed:  
 LIMS ID:

 1/30/2010 4:00:00 PM  
 1/30/2010 10:44:05 PM  
 1410571

Test Method	Property	Result	Units	Lower Limit	Upper Limit
D4176	Workmanship	Passed		Passed	Passed
D4176	Visual Particulates	1			2
D6304	Moisture <sup>4</sup>	21	ppm		
<b>Physical Properties</b>					
D4052	API Gravity	30.5	*API @ 60°F	30.0	
D446	Viscosity @ 104°F(40°C)	2.4	cSt	1.9	3.4
D93A	Flash Point	146	*F	140	
D130	Copper Strip Corrosion	1a			1b
TM0172-86	NACE Corrosion	A		B+	
D8468	Thermal Stability (90 minute aging)	99.7	%	80.0	
D8046	ASTM Color	0.5			2.5
D4176	Colonial Haze Rating	1			2
D2624	Conductivity @ 40°F <sup>2</sup>	25	ps/m	25	
D482	Ash <sup>3</sup>	<0.001	wt. %		0.010
<b>Chemical Analyses</b>					
D5453	Sulfur	3	ppm		11
D6453	Sulfur, Top	3	ppm		10
D5453	Sulfur, Mid	3	ppm		10
D5453	Sulfur, Btm	3	ppm		10
D4962	Doctor Test	NEG			
D524	Carbon Residue, 10% Bottoms	0.04	wt. %		0.35
<b>Distillation</b>					
D86 Predicted	90%	604	*F	540	640
D86 Predicted	FBP	657	*F		660
<b>Cold Flow Properties</b>					
D5773	Cloud Point	1	*F		15
D5949	Pour Point	-6	*F		0
<b>Combustion Properties</b>					
D4737B	Cetane Calc. (4 var) LSD	51.6		40.0	

<sup>2</sup> Conductivity requirement is met by treating with an additive that is approved for use in jet fuel.

<sup>3</sup> Property is determined on a statistical basis of 1 in every 10 samples.

<sup>4</sup> KF water and visual particulate scale can be substituted for MS&W (ASTM D2709)

Batch(es): ULD100010/B\_8242\_1

**Reviewed By:**

 DONALD RAY MADISON  
 TECHNICIAN LABORATORY  
 LOUISIANA REF-LABORATORY

**COA Prepared By:**

 ALICIA GAUDIN MIRE  
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 7288

☒
*Alicia G. Mire*

Signed

Signed

For: PFM