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KINDER MORGAN
ENERGY PARTNERS, L.P.

COPY

February12, 2004

Oregon Department of Environmental Quality
Northwest Region
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201-5884

RE: 2003 Title V Permit Annual Monitoring Report
Permit Number: 26-2028
Kinder Morgan, Linnton and Willbridge Terminals

Dear Northwest Region:

Enclosed please find two copies of the 2003 Title V Annual Monitoring Report for Kinder Morgan, Linnton and Willbridge Terminals. One copy of the report has also been submitted to the Department of Environmental Quality, Air Quality Division, and to the Environmental Protection Agency, Region X office.

If you have any questions, please contact me at (503) 220-1254.

Sincerely,
Kinder Morgan Liquids Terminals, LLC

Peter G. Murphy

Peter G. Murphy
Area Manager

PGM
Enclosure

cc: Oregon Department of Environmental Quality, Air Quality Division
Environmental Protection Agency, Region X

USEPA SF
1288077

5880 N.W. St. Helens Rd. Portland, OR 97210 503/220-1260 503/220-1270

Facility name: Kinder Morgan Liquids Terminals Linnton and Willbridge Terminals Permit Number: 26-2028

1.	Reporting year	2003
2.	Operating schedule:	
	a. Seasonal or year round	Year Round
	b. If seasonal, months of operation	--
	c. Annual days of operation	365
	d. Annual hours of operation	24

3. Attach appropriate forms and explanations.

Form R1001-B
Form R1001-C
Form R1002
Form R1003
Form F1101
Form F1102
Annual Summary of Monthly Parameters

Statement of Certification:

Based on information and belief formed after reasonable inquiry, the statements and information in this document and any attachments are true, accurate and complete. I also certify that all statements made concerning compliance, which are based on monitoring required by the permit but not required to be submitted to the Department, are true, accurate and complete based on information and belief formed after reasonable inquiry.

Mr. Peter G. Murphy
Name of Responsible Official

Area Manager
Title of Responsible Official

Peter G. Murphy
Signature of Responsible Official

2/12/04
Date

Annual Report - Part B

1. Facility: Kinder Morgan - Linnton and Willbridge Terminals
2. Permit Number: 26-2028
3. Operating Senario OS1
4. Pollutant PM_{10}
5. Emissions data:

a. Emissions unit/device ID	b. Method	c. Annual rate	d. Emission Factor	e. Annual Emissions (tons/yr)
EU ID: BOILER				
Willbridge Natural Gas	1	0 10^6 ft^3/yr	2.5 lbs/10^6 ft^3 natural gas	0
Willbridge Distillate Fuel Oil	1	0 gallons/yr	2 lbs/1,000 gallons fuel oil	0
Willbridge Residual Fuel Oil	1	0 gallons/yr	9.19 X 1.48%S+3.22 lbs/1,000 gal	0
Linnton Distillate Fuel Oil	1	0 gallons/yr	2 lbs/1,000 gallons fuel oil	0
Linnton Residual Fuel Oil	1	0 gallons/yr	9.19 X 1.48%S+3.22 lbs/1,000 gal	0
EU sub-total				0

EU ID:				
EU sub-total				0

EU ID:				
EU sub-total				0

EU ID:				
EU sub-total				0

EU ID:				
EU sub-total				0

B-6. POLLUTANT TOTAL	0

Annual Report - Part B

1. Facility: Kinder Morgan - Linnton and Willbridge Terminals
2. Permit Number: 26-2028
3. Operating Senario OS1
4. Pollutant CO
5. Emissions data:

a. Emissions unit/device ID	b. Method	c. Annual rate	d. Emission Factor	e. Annual Emissions (tons/yr)
EU ID: BOILER				
Willbridge Natural Gas	1	0 10^6 ft^3/yr	35 lbs/10^6 ft^3 natural gas	0
Willbridge Distillate Fuel Oil	1	0 gallons/yr	5 lbs/1,000 gallons	0
Willbridge Residual Fuel Oil	1	0 gallons/yr	5 lbs/1,000 gallons	0
Linnton Distillate Fuel Oil	1	0 gallons/yr	5 lbs/1,000 gallons	0
Linnton Residual Fuel Oil	1	0 gallons/yr	5 lbs/1,000 gallons	0
EU sub-total				0

EU ID:				
EU sub-total				0

EU ID:				
EU sub-total				0

EU ID:				
EU sub-total				0

EU ID:				
EU sub-total				0

B-6. POLLUTANT TOTAL	0

Annual Report - Part B

1. Facility: Kinder Morgan - Linnton and Willbridge Terminals
2. Permit Number: 26-2028
3. Operating Senario OS1
4. Pollutant NO_X
5. Emissions data:

a. Emissions unit/device ID	b. Method	c. Annual rate	d. Emission Factor	e. Annual Emissions (tons/yr)
EU ID: BOILER				
Willbridge Natural Gas	1	0 10^6 ft^3/yr	140 lbs/10^6 ft^3 natural gas	0
Willbridge Distillate Fuel Oil	1	0 gallons/yr	20 lbs/1,000 gallons	0
Willbridge Residual Fuel Oil	1	0 gallons/yr	55 lbs/1,000 gallons	0
Linnton Distillate Fuel Oil	1	0 gallons/yr	20 lbs/1,000 gallons	0
Linnton Residual Fuel Oil	1	0 gallons/yr	55 lbs/1,000 gallons	0
EU sub-total				0

EU ID:				
EU sub-total				0

EU ID:				
EU sub-total				0

EU ID:				
EU sub-total				0

EU ID:				
EU sub-total				0

B-6. POLLUTANT TOTAL	0

Annual Report - Part B

1. Facility: Kinder Morgan - Linnton and Willbridge Terminals
2. Permit Number: 26-2028
3. Operating Senario OS1
4. Pollutant SO_2
5. Emissions data:

a. Emissions unit/device ID	b. Method	c. Annual rate	d. Emission Factor	e. Annual Emissions (tons/yr)
EU ID: BOILER				
Willbridge Natural Gas	1	0 10^6 ft^3/yr	2.6 lbs/10^6 ft^3 natural gas	0
Willbridge Distillate Fuel Oil	1	0 gallons/yr	142 X 1.48%S lbs/1,000 gal	0
Willbridge Residual Fuel Oil	1	0 gallons/yr	157 X 1.48%S lbs/1,000 gal	0
Linnton Distillate Fuel Oil	1	0 gallons/yr	142 X 1.48%S lbs/1,000 gal	0
Linnton Residual Fuel Oil	1	0 gallons/yr	157 X 1.48%S lbs/1,000 gal	0
EU sub-total				0
EU ID:				
EU sub-total				0
EU ID:				
EU sub-total				0
EU ID:				
EU sub-total				0
EU ID:				
EU sub-total				0

B-6. POLLUTANT TOTAL	0

Annual Report - Part B

1. Facility: Kinder Morgan - Linnton and Willbridge Terminals
2. Permit Number: 26-2028
3. Operating Senario OS1
4. Pollutant VOC
5. Emissions data:

a. Emissions unit/device ID	b. Method	c. Annual rate	d. Emission Factor	e. Annual Emissions (tons/yr)
EU ID: BOILER				
Willbridge Natural Gas	1	0 10^6 ft^3/yr	2.8 lbs/10^6 ft^3 natural gas	0
Willbridge Distillate Fuel Oil	1	0 gallons/yr	0.2 lbs/1,000 gallons	0
Willbridge Residual Fuel Oil	1	0 gallons/yr	0.28 lbs/1,000 gallons	0
Linnton Distillate Fuel Oil	1	0 gallons/yr	0.2 lbs/1,000 gallons	0
Linnton Residual Fuel Oil	1	0 gallons/yr	0.28 lbs/1,000 gallons	0
EU sub-total				0

EU ID: FGTVOC				
Willbridge FGTVOC	1	(Refer to GATX spreadsheet for emission unit W-FGTVOC)		6.53
Linnton FGTVOC	1	(Refer to GATX spreadsheet for emission unit L-FGTVOC)		5.90
EU sub-total				12.43

EU ID: TRACK				
Willbridge Gasoline	1	167,648,748 gallons/year	8.34 lbs/10^3 gals X 99.3% control	4.89
Willbridge Diesel	1	85,788,156 gallons/year	0.023 lbs/10^3 gals X 99.3% control	0.0007
Willbridge Avgas	1	3,833,262 gallons/year	5.78 lbs/10^3 gals X 99.3% control	0.078
Willbridge Kerosene/Jet	1	14,893,100 gallons/year	0.027 lbs/10^3 gals X 99.3% control	0.0014
Willbridge Ethanol	1	4,071,314 gallons/year	0.67 lbs/10^3 gals X 99.3% control	0.0096
Linnton Gasoline	1	0 gallons	8.34 lbs/10^3 gals X 99.7% control	0
Linnton Diesel	1	0 gallons	0.023 lbs/10^3 gals X 99.7% control	0
Linnton Ethanol	1	0 gallons	0.67 lbs/10^3 gals X 99.7% control	0
EU sub-total				4.98

EU ID: MLOAD				
Willbridge Gasoline w/VRU	1	146,179,158 gallons/year	3.9 lbs/10^3 gals X 99.3% control	2.00
Willbridge Kerosene/Jet	1	1,964,696 gallons/year	0.013 lbs/10^3 gallons	0.013
Willbridge Distillate No. 2	1	52,699,736 gallons/year	0.012 lbs/10^3 gallons	0.32
Willbridge Residual No. 6	1	0 gallons/year	0.00009 lbs/10^3 gallons	0
Linnton Kerosene/Jet	1	0 gallons/year	0.013 lbs/10^3 gallons	0
Linnton Distillate No. 2	1	10,205,730 gallons/year	0.012 lbs/10^3 gallons	0.061
Linnton Residual No. 6	1	0 gallons/year	0.00009 lbs/10^3 gallons	0
Cutback Asphalt	1	0 gallons/year	0.0155 lbs/10^3 gallons	0
EU sub-total				2.39

Annual Report - Part B

1. Facility: Kinder Morgan - Linnton and Willbridge Terminals
2. Permit Number: 26-2028
3. Operating Senario OS1
4. Pollutant VOC
5. Emissions data:

a. Emissions unit/device ID	b. Method	c. Annual rate	d. Emission Factor	e. Annual Emissions (tons/yr)
EU ID: FIXTANK				
Willbridge Diesel	1	256,585,635 gallons/year	EPA TANKS 4.0	2.83
Willbridge Ethanol	1	0 gallons/year	EPA TANKS 4.0	0
Willbridge Jet	1	163,828,060 gallons/year	EPA TANKS 4.0	2.76
Willbridge Gas RVP7 w/VRU	1	21,204,141 gallons/year	EPA TANKS 4.0 X 99.3% control	0.73
Willbridge Gas RVP10 w/VRU	1	9,040,024 gallons/year	EPA TANKS 4.0 X 99.3% control	0.28
Willbridge Gas RVP13 w/VRU	1	11,888,123 gallons/year	EPA TANKS 4.0 X 99.3% control	0.43
Willbridge Gas RVP15 w/VRU	1	3,461,408 gallons/year	EPA TANKS 4.0 X 99.3% control	0.13
Linnton Diesel	1	14,532,738 gallons/year	EPA TANKS 4.0	0.28
Linnton Ethanol	1	0 gallons/year	EPA TANKS 4.0	0
EU sub-total				7.43

EU ID: EXTANK				
Linnton Gasoline RVP 7	1	3,709,272 gallons/year	EPA TANKS 4.0	1.59
Linnton Gasoline RVP 10	1	3,144,134 gallons/year	EPA TANKS 4.0	0.93
Linnton Gasoline RVP 13	1	735,802 gallons/year	EPA TANKS 4.0	1.40
Linnton Gasoline RVP 15	1	5,586,528 gallons/year	EPA TANKS 4.0	5.47
EU sub-total				9.39

EU ID: INTANK				
Willbridge Gasoline RVP 7	1	195,377,952 gallons/year	EPA TANKS 4.0	3.85
Willbridge Gasoline RVP 10	1	83,296,059 gallons/year	EPA TANKS 4.0	2.58
Willbridge Gasoline RVP 13	1	115,495,933 gallons/year	EPA TANKS 4.0	4.85
Willbridge Gasoline RVP 15	1	104,448,610 gallons/year	EPA TANKS 4.0	4.99
Willbridge Ethanol	1	4,555,574 gallons/year	EPA TANKS 4.0	0.14
Willbridge Avgas	1	3,833,262 gallons/year	EPA TANKS 4.0	0.60
Linnton Gasoline RVP 7	1	488,628 gallons/year	EPA TANKS 4.0	0.15
Linnton Gasoline RVP 10	1	534,982 gallons/year	EPA TANKS 4.0	0.10
Linnton Gasoline RVP 13	1	125,198 gallons/year	EPA TANKS 4.0	0.13
Linnton Gasoline RVP 15	1	950,562 gallons/year	EPA TANKS 4.0	0.44
Linnton Diesel	1	0 gallons/year	EPA TANKS 4.0	0
Linnton Ethanol	1	0 gallons/year	EPA TANKS 4.0	0
EU sub-total				17.85

B-6. POLLUTANT TOTAL	54.47

FORM R1001-C
Answer Sheet

Annual Report - Part C

1. Facility name/site identifier: Kinder Morgan - Linnton and Willbridge Terminals
2. Permit number: 26-2028
3. Operating scenario ID: OS1

C-4. Emissions data--paints/coatings/inks:

a. Emissions unit ID/ material name	b. Annual usage (gal/yr)	c. Density (lbs/gal)	d. VOC Content	e. Control Efficiency	f. waste generated (lbs/yr)	g. Annual Emissions (tons/yr)
EU ID:						
EU sub-total						0
EU ID:						
EU sub-total						0
EU ID:						
EU sub-total						0
		h. Total VOC from paint/coating/ink usage				0

Annual Report - Part C

5. Emissions data--other solvents uses:

a. Emission unit ID/ material name	b. Annual usage (gal/yr)	c. Density (lbs/gal)	d. VOC Content	e. Control Efficiency	f. waste generated (lbs/yr)	g. solvent recovered (lbs/yr)	h. Annual Emissions (tons/yr)
EU ID:							
EU sub-total							0
EU ID:							
EU sub-total							0
EU ID:							
EU sub-total							0
EU ID:							
EU sub-total							0
			i. Total VOC Emissions--other solvents				0
6. TOTAL VOC EMISSIONS							0

Semi-Annual Compliance Certification

Facility name: Kinder Morgan Liquids Terminals
Linnton and Willbridge Terminals

Permit Number: 26-2028

1.	Reporting period	July 1 – December 31, 2003
2.	Plan development/revision triggered [yes/no]	No

3. Compliance status:

a. Permit Condition Number	b. Compliance Statues (C/I)	c. Emissions Unit(s)	d. Permit Deviation Type	e. Number of Deviations
3	C			
4	C			
5	C			
6	C			
7	C			
8	C			
9	C			
10	C			
11	C			
12	C			
13	C			
14	C			
15	C			
16	C			
17.a. – 17.c.	C			
17.d.	I	INTANK	EE	1
17.e. – 17.g.	C			
18	C			
19	C			
20	C			
21	C			
22	C			
23	C			
24	C			
25	C			
26	C			
27	C			
28	C			
29	C			
30	C			
31	C			
32	C			
33	C			
34	C			
35	C			
36	C			
37	C			
38	C			
39	C			

Semi-Annual Compliance Certification

Facility name: Kinder Morgan Liquids Terminals
Linnton and Willbridge Terminals

Permit Number: 26-2028

a. Permit Condition Number	b. Compliance Statues (C/I)	c. Emissions Unit(s)	d. Permit Deviation Type	e. Number of Deviations
40	C			
41	C			
42	C			
43	C			
44	C			
45	C			
46	C			
47	C			
48	C			
49	C			
50	C			
51	C			
52	C			
53	C			
54	C			
55	C			
56	C			
57	C			
58	C			
59	C			
60	C			
61	C			
62	C			
63	C			
64	C			
65	C			
66	C			
G3	C			
G4	C			
G5	C			
G6	C			
G7	C			
G8	C			
G9	C			
G10	C			
G11	C			
G12	C			
G13	C			
G14	C			
G15	C			
G16	C			
G17	C			
G18	C			
G19	C			
G20	C			

Semi-Annual Compliance Certification

Facility name: Kinder Morgan Liquids Terminals
Linnton and Willbridge Terminals

Permit Number: 26-2028

a. Permit Condition Number	b. Compliance Statues (C/I)	c. Emissions Unit(s)	d. Permit Deviation Type	e. Number of Deviations
G21	C			
G22	C			
G23	C			
G24	C			
G25	C			
G26	C			

Statement of Certification:

Based on information and belief formed after reasonable inquiry, the statements and information in this document and any attachments are true, accurate and complete. I also certify that all statements made concerning compliance, which are based on monitoring required by the permit but not required to be submitted to the Department, are true, accurate and complete based on information and belief formed after reasonable inquiry.

Mr. Peter G. Murphy
Name of Responsible Official

Area Manager
Title of Responsible Official

Signature of Responsible Official

2/12/04
Date

FORM R1003
Answer Sheet

Semi-Annual Compliance Certification – Summary of Permit Deviations

Facility name: Kinder Morgan Liquids Terminals
Linnton and Willbridge Terminals

Permit Number: 26-2028

1.	Reporting period	July 1 – December 31, 2003

2. Summary of permit deviations:

a. Permit Condition Number	b. Emissions Unit(s)	c. cause	d. time began		e. time ended		f. Deviation	g. corrective action/prevention
			(date)	(hour)	(date)	(hour)		
17.d.	INTANK	Pa	12/10/03	--	--	--	Visible gap found in the ladder seal of the floating roof on tank #152.	Repairs were completed for corrective action and documented.

Kinder Morgan Liquids Terminals
Linnton and Willbridge Terminals
Title V Operating Permit No. 26-2028
Annual Monitoring Report for 2003
Other Reporting Requirements

1. Condition 54.g.i. - Name and vapor pressure of product with highest vapor pressure stored in FIXTANK with a capacity greater than 39,000 gallons.

   Gasoline: vapor pressure = 5.20 psia
   (emissions controlled by Vapor Recovery Unit)

2. Condition 54.g.ii. – If a leak is determined from TRACK inspection, provide a brief summary of inspection results and corrective actions taken.

   No gasoline leaks have been detected at TRACK.

3. Condition 54.g.iii. – If opacity violation is noted from visual emission survey on BOILER, provide a summary of visual inspection results.

   No opacity violation detected at BOILER.

4. Excess Emissions Upset Log

   Kinder Morgan notified the DEQ of a problem with a seal on internal floating roof tank number 152. There was a small visible gap on the ladder seal. Kinder Morgan's contractor came out, assessed the repair and completed the corrective action.

Total Assessable Emissions: Regulated Pollutant Summary for 2003 (yr) FORM F1101

1. Facility name Kinder Morgan Linnton and Willbridge Terminal	2. Permit # 26-2028
3.a. 5880 NW St. Helens Road Mailing address b. Portland, OR 97210 City, State, Zip Code	4.a. Pete Murphy, Area Manager Contact name and title b. (503) 220-1254 Area code and phone
5. Regulated Air Pollutant	6. Assessable Emissions (tons)
PM_{10}	8.8
TSP	
SO_2	104.7
NO_x (as NO_2)	54.1
TRS (as H_2S)	
VOC	322.5
F	
Pb	
HCl	
HAP	
Other	
7. Total Assessable Emissions	490.1

Statement of Certification:

I have reviewed this report and all supporting documentation in their entirety and to the best of my knowledge, information, and belief formed after reasonable inquiry, the statements and information contained herein are true, accurate, and complete.

Mr. Peter G. Murphy
Name of designated responsible official

Area Manager
Title of responsible official

Peter G. Murphy
Signature of responsible official

2/12/04
Date(mm/dd/yy)

1. Facility name	2. Permit #
Kinder Morgan – Linnton and Willbridge Terminals	26-2028

3. Emissions Unit ID	4. Device/Process ID/Description	5. Pollutant	6. Total Assessable Emissions (tons)	7. Method	8. Reference
Plant-Wide	Plant-Wide (Boilers)	PM_{10}	7.8	1	Title V Permit Condition 29
Plant-Wide	Plant-Wide (Boilers)	SO_2	103.7	1	Title V Permit Condition 29
Plant-Wide	Plant-Wide (Boilers)	NO_x	53.1	1	Title V Permit Condition 29
Plant-Wide	Plant-Wide (Storage tanks, truck loading, marine loading, and other sources)	VOC	321.5	1	Title V Permit Condition 29
Aggregate Insignificant	Plant-Wide	PM_{10}	1	1	Title V Permit Condition 29
Aggregate Insignificant	Plant-Wide	SO_2	1	1	Title V Permit Condition 29
Aggregate Insignificant	Plant-Wide	NO_x	1	1	Title V Permit Condition 29
Aggregate Insignificant	Plant-Wide	VOC	1	1	Title V Permit Condition 29

Kinder Morgan, Linnton and Willbridge Terminals
2003 Annual Emissions Summary
All Emission Units

BOILER Emissions	Linnton Terminal Annual Emissions (ton/year)	Willbridge Terminal Annual Emissions (ton/year)	Total Annual Emissions (ton/year)
PM/PM_{10}	0.00	0.00	0.00
SO_2	0.00	0.00	0.00
NO_X	0.00	0.00	0.00
CO	0.00	0.00	0.00

VOC Emission Source	Linnton Terminal Annual VOC Emissions (ton/year)	Willbridge Terminal Annual VOC Emissions (ton/year)	Total Annual VOC Emissions (ton/year)
BOILER	0.00	0.00	0.00
TRACK	0.00	4.99	4.99
MLOAD	0.06	2.32	2.39
FGTVOC	5.90	6.53	12.43
FIXTANK, EXTANK, INTANK	10.51	24.17	34.67
Total VOCs	16.47	38.00	54.47

Kinder Morgan, Linnton Terminal
2003 Monthly Emissions Summary
All Emission Units

BOILER Emissions	January Emissions (tons/month)	February Emissions (tons/month)	March Emissions (tons/month)	April Emissions (tons/month)	May Emissions (tons/month)	June Emissions (tons/month)	July Emissions (tons/month)	August Emissions (tons/month)	September Emissions (tons/month)	October Emissions (tons/month)	November Emissions (tons/month)	December Emissions (tons/month)	Linnton Terminal Annual Emissions (ton/year)
PM/PM_{10}	0	0	0	0	0	0	0	0	0	0	0	0	0.00
SO_2	0	0	0	0	0	0	0	0	0	0	0	0	0.00
NO_X	0	0	0	0	0	0	0	0	0	0	0	0	0.00
CO	0	0	0	0	0	0	0	0	0	0	0	0	0.00
VOC	0	0	0	0	0	0	0	0	0	0	0	0	0.00

VOC Emission Source	January Emissions (tons/month)	February Emissions (tons/month)	March Emissions (tons/month)	April Emissions (tons/month)	May Emissions (tons/month)	June Emissions (tons/month)	July Emissions (tons/month)	August Emissions (tons/month)	September Emissions (tons/month)	October Emissions (tons/month)	November Emissions (tons/month)	December Emissions (tons/month)	Linnton Terminal Annual VOC Emissions (ton/year)
TRACK	0	0	0	0	0	0	0	0	0	0	0	0	0.00
MLOAD	0.0074	0.0139	0	0	0.0111	0.0073	0.0025	0.0049	0.0089	0.0051	0	0	0.06
FGTVOC	0.50	0.45	0.50	0.49	0.50	0.49	0.50	0.50	0.49	0.50	0.49	0.50	5.90
FIXTANK, EXTANK, INTANK	2.06	1.98	0.00	1.03	0.05	0.80	0.04	0.36	0.70	0.01	1.53	1.95	10.51
Total VOCs	2.57	2.45	0.50	1.52	0.56	1.29	0.54	0.87	1.19	0.52	2.01	2.45	16.47

Kinder Morgan, Willbridge Terminals
2003 Monthly Emissions Summary
All Emission Units

BOILER Emissions	January Emissions (tons/month)	February Emissions (tons/month)	March Emissions (tons/month)	April Emissions (tons/month)	May Emissions (tons/month)	June Emissions (tons/month)	July Emissions (tons/month)	August Emissions (tons/month)	September Emissions (tons/month)	October Emissions (tons/month)	November Emissions (tons/month)	December Emissions (tons/month)	Willbridge Terminal Annual Emissions (ton/year)
PM/PM_{10}	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
SO_2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
NO_X	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
CO	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00
VOC	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00

VOC Emission Source	January Emissions (tons/month)	February Emissions (tons/month)	March Emissions (tons/month)	April Emissions (tons/month)	May Emissions (tons/month)	June Emissions (tons/month)	July Emissions (tons/month)	August Emissions (tons/month)	September Emissions (tons/month)	October Emissions (tons/month)	November Emissions (tons/month)	December Emissions (tons/month)	Willbridge Terminal Annual VOC Emissions (ton/year)
TRACK	0.30	0.38	0.47	0.49	0.45	0.39	0.47	0.43	0.44	0.47	0.36	0.35	4.99
MLOAD	0.17	0.13	0.16	0.22	0.15	0.23	0.35	0.35	0.20	0.18	0.11	0.08	2.32
FGTVOC	0.55	0.50	0.55	0.54	0.55	0.54	0.55	0.55	0.54	0.55	0.54	0.55	6.53
FIXTANK, EXTANK, INTANK	1.76	2.25	2.12	1.82	2.00	1.82	1.99	1.96	1.74	2.42	2.07	2.22	24.17
Total VOCs	2.79	3.26	3.31	3.07	3.15	2.97	3.36	3.30	2.90	3.62	3.07	3.21	38.00

Kinder Morgan, Linnton Terminal
2003 Monthly Summary
Linnton FIXTANKS

Month	Diesel Throughput (gallons/month)	Diesel VOC Emissions (tons/month)	Ethanol Throughput (gallons/month)	Ethanol VOC Emissions (tons/month)
January	2,184,504	0.03	0	0.00
February	3,477,222	0.04	0	0.00
March	0	0.00	0	0.00
April	0	0.00	0	0.00
May	2,613,744	0.05	0	0.00
June	2,679,684	0.05	0	0.00
July	423,570	0.04	0	0.00
August	822,528	0.02	0	0.00
September	1,484,766	0.04	0	0.00
October	846,720	0.01	0	0.00
November	0	0.00	0	0.00
December	0	0.00	0	0.00
Total	14,532,738	0.28	0	0.00

FIXTANKS includes tanks L1033, L2024, L2502, L2503, L5004, L10007, L20011, L30016, L55008, L55021, L55022 and L55023.
Please see detail sheets for throughput and emissions for each tank.

Kinder Morgan, Linnton Terminal
2003 Monthly Summary
Linnton EXTANKS

Month	Gasoline RVP7 Throughput (gallons/month)	Gasoline RVP7 VOC Emissions (tons/month)	Gasoline RVP10 Throughput (gallons/month)	Gasoline RVP10 VOC Emissions (tons/month)	Gasoline RVP13 Throughput (gallons/month)	Gasoline RVP13 VOC Emissions (tons/month)	Gasoline RVP15 Throughput (gallons/month)	Gasoline RVP15 VOC Emissions (tons/month)
January	0	0.00	0	0.00	0	0.00	2,370,788	1.89
February	0	0.00	0	0.00	0	0.00	971,294	1.79
March	0	0.00	0	0.00	0	0.00	0	0.00
April	0	0.00	3,144,134	0.93	0	0.00	0	0.00
May	0	0.00	0	0.00	0	0.00	0	0.00
June	1,651,354	0.67	0	0.00	0	0.00	0	0.00
July	0	0.00	0	0.00	0	0.00	0	0.00
August	837,564	0.34	0	0.00	0	0.00	0	0.00
September	1,220,354	0.58	0	0.00	0	0.00	0	0.00
October	0	0.00	0	0.00	0	0.00	0	0.00
November	0	0.00	0	0.00	735,802	1.40	0	0.00
December	0	0.00	0	0.00	0	0.00	2,244,446	1.80
Total	3,709,272	1.59	3,144,134	0.93	735,802	1.40	5,586,528	5.47

EXTANKS includes tanks L45028, and L59029.
Please see detail sheets for throughput and emissions for each tank.

Kinder Morgan, Linnton Terminal
2032 Monthly Summary
Linnton INTANKS

Month	Gasoline RVP7 Throughput (gallons/month)	Gasoline RVP7 VOC Emissions (tons/month)	Gasoline RVP10 Throughput (gallons/month)	Gasoline RVP10 VOC Emissions (tons/month)	Gasoline RVP13 Throughput (gallons/month)	Gasoline RVP13 VOC Emissions (tons/month)	Gasoline RVP15 Throughput (gallons/month)	Gasoline RVP15 VOC Emissions (tons/month)	Ethanol Throughput (gallons/month)	Ethanol VOC Emissions (tons/month)	Diesel Throughput (gallons/month)	Diesel VOC Emissions (tons/month)
January	0	0.00	0	0.00	0	0.00	403,396	0.15	0	0.000	0	0.000
February	0	0.00	0	0.00	0	0.00	165,268	0.15	0	0.000	0	0.000
March	0	0.00	0	0.00	0	0.00	0	0.00	0	0.000	0	0.000
April	0	0.00	534,982	0.10	0	0.00	0	0.00	0	0.000	0	0.000
May	0	0.00	0	0.00	0	0.00	0	0.00	0	0.000	0	0.000
June	280,982	0.08	0	0.00	0	0.00	0	0.00	0	0.000	0	0.000
July	0	0.00	0	0.00	0	0.00	0	0.00	0	0.000	0	0.000
August	0	0.00	0	0.00	0	0.00	0	0.00	0	0.000	0	0.000
September	207,646	0.08	0	0.00	0	0.00	0	0.00	0	0.000	0	0.000
October	0	0.00	0	0.00	0	0.00	0	0.00	0	0.000	0	0.000
November	0	0.00	0	0.00	125,198	0.13	0	0.00	0	0.000	0	0.000
December	0	0.00	0	0.00	0	0.00	381,898	0.15	0	0.000	0	0.000
Total	488,628	0.15	534,982	0.10	125,198	0.13	950,562	0.44	0	0.00	0	0.00

INTANKS includes tanks L2501, L11017, L11019, L17018, L17020, and L17027

Please see detail sheets for throughput and emissions for each tank.

Kinder Morgan, Willbridge Terminal
2003 Monthly Summary
Willbridge FIXTANKS

Month	Diesel		Ethanol		Jet A		Gasoline RVP7 w/VRU		Gasoline RVP10 w/VRU		Gasoline RVP13 w/VRU		Gasoline RVP15 w/VRU	
	Throughput (gallons/month)	VOC Emissions (tons/month)	Throughput (gallons/month)	VOC Emissions (tons/month)	Throughput (gallons/month)	VOC Emissions (tons/month)	Throughput (gallons/month)	VOC Emissions (tons/month)	Throughput (gallons/month)	VOC Emissions (tons/month)	Throughput (gallons/month)	VOC Emissions (tons/month)	Throughput (gallons/month)	VOC Emissions (tons/month)
January	17,865,674	0.14	0	0.00	10,060,908	0.11	0	0.00	0	0.00	0	0.00	0	0.00
February	6,681,644	0.06	0	0.00	10,628,999	0.33	0	0.00	0	0.00	0	0.00	0	0.00
March	17,754,140	0.17	0	0.00	12,313,397	0.17	0	0.00	0	0.00	3,361,880	0.13	0	0.00
April	17,834,845	0.19	0	0.00	11,209,789	0.18	0	0.00	4,768,537	0.14	0	0.00	0	0.00
May	17,279,628	0.22	0	0.00	13,653,579	0.24	0	0.00	4,271,487	0.14	0	0.00	0	0.00
June	29,600,597	0.37	0	0.00	14,302,524	0.28	4,762,600	0.16	0	0.00	0	0.00	0	0.00
July	27,216,598	0.38	0	0.00	17,184,431	0.33	5,838,598	0.20	0	0.00	0	0.00	0	0.00
August	26,277,681	0.36	0	0.00	17,201,215	0.34	5,573,619	0.19	0	0.00	0	0.00	0	0.00
September	24,075,872	0.30	0	0.00	15,251,928	0.28	5,029,324	0.16	0	0.00	0	0.00	0	0.00
October	26,456,181	0.27	0	0.00	12,841,882	0.18	0	0.00	0	0.00	5,050,737	0.19	0	0.00
November	23,478,200	0.20	0	0.00	13,540,885	0.16	0	0.00	0	0.00	3,475,506	0.12	0	0.00
December	22,064,575	0.16	0	0.00	15,638,523	0.16	0	0.00	0	0.00	0	0.00	3,461,408	0.13
Total	256,585,635	2.83	0	0.00	163,828,060	2.76	21,204,141	0.73	9,040,024	0.28	11,888,123	0.43	3,461,408	0.13

FIXTANKS includes tanks W4, W52, W54, W64, W91, W92, W93, W94, W95, W96, W97, W98, W99, W100, W109, W110, W111, W112, W113, W114, W115, W118 and W141.
Please see detail sheets for throughput and emissions for each tank.

Kinder Morgan, Willbridge Terminal
2003 Monthly Summary
Willbridge INTANKS

Month	Gasoline RVP7 Throughput (gallons/month)	Gasoline RVP7 VOC Emissions (tons/month)	Gasoline RVP10 Throughput (gallons/month)	Gasoline RVP10 VOC Emissions (tons/month)	Gasoline RVP13 Throughput (gallons/month)	Gasoline RVP13 VOC Emissions (tons/month)	Gasoline RVP15 Throughput (gallons/month)	Gasoline RVP15 VOC Emissions (tons/month)	Ethanol Throughput (gallons/month)	Ethanol VOC Emissions (tons/month)	Avgas Throughput (gallons/month)	Avgas VOC Emissions (tons/month)
January	0	0.00	0	0.00	0	0.00	39,849,501	1.47	528,591	0.009	183,569	0.04
February	0	0.00	0	0.00	0	0.00	32,705,209	1.80	759,756	0.011	179,033	0.04
March	0	0.00	0	0.00	36,933,922	1.59	0	0.00	183,898	0.010	181,648	0.05
April	0	0.00	43,937,973	1.25	0	0.00	0	0.00	169,669	0.010	206,529	0.05
May	0	0.00	39,358,086	1.34	0	0.00	0	0.00	180,323	0.011	311,661	0.05
June	43,883,272	0.94	0	0.00	0	0.00	0	0.00	171,079	0.013	514,457	0.06
July	53,797,665	1.00	0	0.00	0	0.00	0	0.00	172,609	0.014	719,954	0.06
August	51,356,109	0.99	0	0.00	0	0.00	0	0.00	175,497	0.013	616,277	0.06
September	46,340,906	0.93	0	0.00	0	0.00	0	0.00	172,190	0.012	454,994	0.06
October	0	0.00	0	0.00	46,538,209	1.72	0	0.00	300,690	0.011	187,356	0.05
November	0	0.00	0	0.00	32,023,802	1.54	0	0.00	764,299	0.011	116,881	0.05
December	0	0.00	0	0.00	0	0.00	31,893,900	1.72	976,973	0.011	160,903	0.04
Total	195,377,952	3.85	83,296,059	2.58	115,495,933	4.85	104,448,610	4.99	4,555,574	0.14	3,833,262	0.60

INTANKS includes tanks W84, W101, W105, W116, W117, W123, W124, W128, W134, W152.
Please see detail sheets for throughput and emissions for each tank.

Kinder Morgan, Linnton Terminal
2003 Monthly and Annual Summary
Emission Units: L-BOILER

Fuel	Units	PM/PM_{10}	SO_2	NO_X	CO	VOC
Residual Fuel Oil	lbs/Mgal	9.19 (%S)+ 3.22	157 (%S)	55	5	0.28
Distillate Fuel Oil	lbs/Mgal	2	142 (%S)	20	5	0.2

Month	Fuel Usage				Monthly Emissions [a]				
	Residual Fuel Oil (gallon/month)	Percent Sulfur (%)	Distillate Fuel Oil (gallon/month)	Percent Sulfur (%)	PM/PM_{10} (tons/month)	SO_2 (tons/month)	NO_X (tons/month)	CO (tons/month)	VOC (tons/month)
January	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
February	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
March	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
April	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
May	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
June	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
July	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
August	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
September	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
October	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
November	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
December	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000

	Fuel Usage				Annual Emissions [b]				
	Residual Fuel Oil (gallons)	Percent Sulfur (%)	Distillate Fuel Oil (gallons)	Percent Sulfur (%)	PM_{10} (tons)	SO_2 (tons)	NO_X (tons)	CO (tons)	VOC (tons)
2003 Totals:	0	0.00 (Average)	0	0.00 (Average)	0.00	0.00	0.00	0.00	0.00

Notes:

(a) Monthly emission rate = (Fuel usage [gallons/month]) X (Emission factor [lbs/Mgallons]) X (Mgallons/1,000 gallons) X (ton/2000 lbs)

(b) Annual emission rate = (Fuel usage [gallons/year]) X (Emission factor [lbs/Mgallons]) X (Mgallons/1,000 gallons) X (ton/2000 lbs)

Kinder Morgan, Willbridge Terminal
2003 Monthly and Annual Summary
Emission Units: W-BOILER

Fuel	Units	PM/PM_{10}	SO_2	NO_X	CO	VOC
Natural Gas	$lbs/10^6\ ft^3$	2.5	2.6	140	35	2.8
Residual Fuel Oil	lbs/Mgal	9.19 (%S)+ 3.22	157 (%S)	55	5	0.28
Distillate Fuel Oil	lbs/Mgal	2	142 (%S)	20	5	0.2

Month	Fuel Usage					Monthly Emissions [a]				
	Natural Gas ($10^6\ ft^3$/month)	Residual Fuel Oil (gallon/month)	Percent Sulfur (%)	Distillate Fuel Oil (gallon/month)	Percent Sulfur (%)	PM/PM_{10} (tons/month)	SO_2 (tons/month)	NO_X (tons/month)	CO (tons/month)	VOC (tons/month)
January	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
February	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
March	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
April	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
May	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
June	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
July	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
August	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
September	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
October	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
November	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000
December	0	0	0	0	0	0.0000	0.0000	0.0000	0.0000	0.0000

	Fuel Usage					Annual Emissions [b]				
	Natural Gas ($10^6\ ft^3$)	Residual Fuel Oil (gallons)	Percent Sulfur (%)	Distillate Fuel Oil (gallons)	Percent Sulfur (%)	PM_{10} (tons)	SO_2 (tons)	NO_X (tons)	CO (tons)	VOC (tons)
2003 Totals:	0	0	0.00 (Average)	0	0.00 (Average)	0.00	0.00	0.00	0.00	0.00

Notes:

(a) Monthly emission rate = (Fuel usage [gallons/month]) X (Emission factor [lbs/Mgallons]) X (Mgallons/1,000 gallons) X (ton/2000 lbs)

(b) Annual emission rate = (Fuel usage [gallons/year]) X (Emission factor [lbs/Mgallons]) X (Mgallons/1,000 gallons) X (ton/2000 lbs)

Kinder Morgan, Linnton Terminal
2003 Monthly and Annual Summary
Emission Unit: L-TRACK

Compound	Vapor Pressure (psia)	Molecular Weight (lb/lb-mole)	Average Temperature (deg R)	VOC Loading Loss [a] ($lb/10^3 gal$)
Diesel	0.0074	130	513	0.023
Marine Diesel	0.0074	130	513	0.023
Mid-Grade Unleaded	5.20	66	513	8.34
Regular Unleaded	5.20	66	513	8.34
Premium Unleaded	5.20	66	513	8.34
Ethanol	0.60	46	513	0.67

Saturation Factor: 1 (Submerged loading in a dedicated vapor balance service)

Month	VRU Control Efficiency[1] (%)	Diesel (gallons/month)	Marine Diesel (gallons/month)	Mid-Grade Unleaded (gallons/month)	Regular Unleaded (gallons/month)	Premium Unleaded (gallons/month)	Ethanol (gallons/month)	VOC Emissions [b] (tons/month)
January	99.7	0		0	0	0	0	0.00
February	99.7	0	0	0	0	0	0	0.00
March	99.7	0	0	0	0	0	0	0.00
April	99.7	0	0	0	0	0	0	0.000
May	99.7	0	0	0	0	0	0	0.00
June	99.7	0	0	0	0	0	0	0.00
July	99.7	0	0	0	0	0	0	0.00
August	99.7	0	0	0	0	0	0	0.00
September	99.7	0	0	0	0	0	0	0.00
October	99.7	0	0	0	0	0	0	0.00
November	99.7	0	0	0	0	0	0	0.00
December	99.7	0	0	0	0	0	0	0.00

	Diesel (gallons)	Marine Diesel (gallons)	Mid-Grade Unleaded (gallons)	Regular Unleaded (gallons)	Premium Unleaded (gallons)	Ethanol (gallons)	VOC Emissions[c] (tons)
2003 Totals:	0	0	0	0	0	0	0.00

Notes:

(a) Calculated rate = ((12.46) X (Saturation factor) X (Vapor Pressure [psia]) X (Molecular Weight [lb/lb-mole]) /(Temperature [deg R]))

(b) Monthly emission rate = (Throughput [gallons/month]) X (Loading loss emission factor [$lbs/10^3$ gallon]) X (ton/2000 lb) X (1-(control efficiency [%] /100))

(c) Annual emission rate = (Throughput [gallons/year]) X (Loading loss emission factor [$lbs/10^3$ gallon]) X (ton/2000 lb) X (1-(control efficiency [%] /100))

References:

(1) The control efficiency was obtained from the June 16-17, 1999 VRU source test.

Kinder Morgan, Willbridge Terminal
2003 Monthly and Annual Summary
Emission Unit: W-TRACK

Compound	Vapor Pressure (psia)	Molecular Weight (lb/lb-mole)	Average Temperature (deg R)	VOC Loading Loss [a] ($lb/10^3 gal$)
Diesel	0.0074	130	513	0.023
Mid-Grade Unleaded	5.20	66	513	8.34
Regular Unleaded	5.20	66	513	8.34
Premium Unleaded	5.20	66	513	8.34
Kerosene	0.0085	130	513	0.027
AvGas	3.50	68	513	5.78
Ethanol	0.60	46	513	0.67

Saturation Factor: 1 (Submerged loading in a dedicated vapor balance service)

Month	VRU Control Efficiency[1] (%)	Diesel (gallons/month)	Mid-Grade Unleaded (gallons/month)	Regular Unleaded (gallons/month)	Premium Unleaded (gallons/month)	Kerosene/ Jet (gallons/month)	AvGas (gallons/month)	Ethanol (gallons/month)	VOC Emissions [b] (tons/month)
January	99.3	6,067,013	6,462	9,396,531	651,033	1,150,566	183,569	528,591	0.30
February	99.3	5,105,866	2,576,802	9,326,832	840,954	1,161,905	179,033	759,756	0.38
March	99.3	6,169,045	0	14,766,492	1,163,902	1,443,041	181,648	183,898	0.47
April	99.3	6,868,379	0	15,153,219	1,306,746	969,979	206,529	169,669	0.49
May	99.3	6,567,361	0	13,685,332	1,419,528	1,315,953	311,661	180,323	0.45
June	99.3	6,970,756	0	11,659,370	1,353,178	1,440,528	514,457	171,079	0.39
July	99.3	8,975,396	0	14,215,771	1,435,818	943,535	719,954	172,609	0.47
August	99.3	8,649,479	0	13,142,871	1,213,240	1,044,109	616,277	175,497	0.43
September	99.3	8,013,160	0	13,398,844	1,191,310	1,110,864	454,994	172,190	0.44
October	99.3	8,417,778	0	14,560,962	1,196,638	1,495,666	187,356	300,690	0.47
November	99.3	7,115,035	0	11,369,341	754,428	1,536,991	116,881	625,867	0.36
December	99.3	6,868,888	0	11,069,600	793,544	1,279,963	160,903	631,145	0.35

	Diesel (gallons)	Mid-Grade Unleaded (gallons)	Regular Unleaded (gallons)	Premium Unleaded (gallons)	Kerosene/ Jet (gallons)	AvGas (gallons)	Ethanol (gallons)	VOC Emissions[c] (tons)
2003 Totals:	85,788,156	2,583,264	151,745,165	13,320,319	14,893,100	3,833,262	4,071,314	4.99

Notes:

(a) Calculated rate = ((12.46) X (Saturation factor) X (Vapor Pressure [psia]) X (Molecular Weight [lb/lb-mole]) /(Temperature [deg R]))

(b) Monthly emission rate = (Throughput [gallons/month]) X (Loading loss emission factor [$lbs/10^3$ gallon]) X (ton/2000 lb) X (1-(control efficiency [%] /100))

(c) Annual emission rate = (Throughput [gallons/year]) X (Loading loss emission factor [$lbs/10^3$ gallon]) X (ton/2000 lb) X (1-(control efficiency [%] /100))

References:

(1) Source test of VRU, June 9-10, 1998.

Kinder Morgan, Linnton Terminal
2003 Monthly and Annual Summary
Emission Unit: L-MLOAD

Product	Emission Factors (lbs/Mgal)
Jet Kerosene	0.013
Distillate Oil No. 2	0.012
Residual Oil No. 6	9.00E-05

Month	Jet Kerosene (gallons/month)	Distillate Oil No.2 (gallons/month)	Residual Oil No.6 (gallons/month)	VOC Emissions[a] (tons/month)
January	0	1,239,378	0	0.0074
February	0	2,321,088	0	0.0139
March	0	0	0	0.0000
April	0	0	0	0.0000
May	0	1,857,744	0	0.0111
June	0	1,209,936	0	0.0073
July	0	423,570	0	0.0025
August	0	822,528	0	0.0049
September	0	1,484,766	0	0.0089
October	0	846,720	0	0.0051
November	0	0	0	0.0000
December	0	0	0	0.0000

	Jet Kerosene (gallons)	Distillate Oil No.2 (gallons)	Residual Oil No.6 (gallons)	VOC Emissions[b] (tons)
2003 Totals:	0	10,205,730	0	0.061

Notes:

(a) Monthly emission rate = (Monthly throughput [gallons/month]) X (Emission factor [lbs/Mgallons]) X (Mgallons/1,000 gallons) X (ton/2000 lbs)

(b) Annual emission rate = (Annual throughput [gallons/year]) X (Emission factor [lbs/Mgallons]) X (Mgallons/1,000 gallons) X (ton/2000 lbs)

Kinder Morgan, Willbridge Terminal
2003 Monthly and Annual Summary
Emission Unit: W-MLOAD

Product	Emission Factors (lbs/Mgal)
Gasoline	3.9
Jet Kerosene	0.013
Distillate Oil No. 2	0.012
Residual Oil No. 6	9.00E-05

VRU Control Efficiency: 99.3 (%) [1]

Month	Gasoline with VRU (gallons/month)	Jet Kerosene (gallons/month)	Distillate Oil No.2 (gallons/month)	Residual Oil No.6 (gallons/month)	VOC Emissions[a] (tons/month)
January	10,726,123	843,864	2,896,800	0	0.17
February	9,419,000		845,044	0	0.13
March	10,155,272		3,860,628	0	0.16
April	15,188,413	0	2,082,710	0	0.22
May	7,988,086		6,567,361	0	0.15
June	14,497,852		4,792,674	0	0.23
July	22,685,132		6,736,436	0	0.35
August	23,826,539		4,531,468	0	0.35
September	11,995,414		5,311,678	0	0.20
October	10,753,314	297,444	5,079,933	0	0.18
November	5,177,611	189,042	5,602,513	0	0.11
December	3,766,402	634,346	4,392,491	0	0.08

	Gasoline with VRU (gallons)	Jet Kerosene (gallons)	Distillate Oil No.2 (gallons)	Residual Oil No.6 (gallons)	VOC Emissions[b] (tons)
2003 Totals:	146,179,158	1,964,696	52,699,736	0	2.32

Notes:

(a) Monthly emission rate = (Monthly throughput [gallons/month]) X (Emission factor [lbs/Mgallons]) X (Mgallons/1,000 gallons) X (ton/2000 lbs) X (1-(control efficiency [%] /100))

(b) Annual emission rate = (Annual throughput [gallons/year]) X (Emission factor [lbs/Mgallons]) X (Mgallons/1,000 gallons) X (ton/2000 lbs) X (1-(control efficiency [%] /100))

References:

(1) Source test of VRU, June 9-10, 1998.

Kinder Morgan, Linnton Terminal
2003 Monthly and Annual Summary
Emission Unit: L-FGTVOC

Component	Number of Components	Emission Factor (lbs/hour - component)
Liquid Service		
Flanges	1180	2.30E-05
Valves	381	1.50E-04
Open Ended Lines	126	6.50E-03
Pumps (seals)	10	9.30E-04
Loading Arm Valves	12	8.70E-04
Other	46	2.50E-04
Vapor Service		
Flanges	59	6.70E-05
Valves	6	1.60E-04
Open Ended Lines	7	6.70E-03
Pumps (seals)	0	9.30E-04
Loading Arm Valves	8	4.50E-02
Other	1	1.40E-03

Month	VOC Emissions [a] (tons/month)
January	0.50
February	0.45
March	0.50
April	0.49
May	0.50
June	0.49
July	0.50
August	0.50
September	0.49
October	0.50
November	0.49
December	0.50

	VOC Emissions[b] (tons)
2003 Totals:	5.90

Notes:

(a) Monthly emission rate = (Number of components) X (Emission factor [lbs/hour-component]) X (24 hours/day) X (days/month) X (ton/2000 lbs)

(b) Annual emission rate = (Number of components) X (Emission factor [lbs/hour-component]) X (8760 hours/year) X (ton/2000 lbs)

Kinder Morgan, Willbridge Terminal
2003 Monthly and Annual Summary
Emission Unit: W-FGTVOC

Component	Number of Components	Emission Factor (lbs/hour - component)
Liquid Service		
Flanges	1505	2.30E-05
Valves	472	1.50E-04
Open Ended Lines	141	6.50E-03
Pumps (seals)	46	9.30E-04
Loading Arm Valves	57	8.70E-04
Other	126	2.50E-04
Vapor Service		
Flanges	126	6.70E-05
Valves	23	1.60E-04
Open Ended Lines	9	6.70E-03
Pumps (seals)	2	9.30E-04
Loading Arm Valves	6	4.50E-02
Other	0	1.40E-03

Month	VOC Emissions[a] (tons/month)
January	0.55
February	0.50
March	0.55
April	0.54
May	0.55
June	0.54
July	0.55
August	0.55
September	0.54
October	0.55
November	0.54
December	0.55

	VOC Emissions[b] (tons)
2003 Totals:	6.53

Notes:

(a) Monthly emission rate = (Number of components) X (Emission factor [lbs/hour-component]) X (24 hours/day) X (days/month) X (ton/2000 lbs)

(b) Annual emission rate = (Number of components) X (Emission factor [lbs/hour-component]) X (8760 hours/year) X (ton/2000 lbs)

Kinder Morgan, Willbridge Terminal
Emission Unit: W-FIXTANK, W-EXTANK, W-INTANK
Gasoline RVP7

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
W84	INTANK	0	0	0	0	0	4,897,300	6,003,730	5,731,256	5,171,568	0	0	0	21,803,854
W101	INTANK	0	0	0	0	0	7,456,596	9,141,239	8,726,372	7,874,195	0	0	0	33,198,402
W116	INTANK	0	0	0	0	0	7,167,954	8,787,384	8,388,577	7,569,387	0	0	0	31,913,303
W118	FIXTANK	0	0	0	0	0	4,762,600	5,838,598	5,573,619	5,029,324	0	0	0	21,204,141
W123	INTANK	0	0	0	0	0	6,898,554	8,457,120	8,073,302	7,284,900	0	0	0	30,713,877
W124	INTANK	0	0	0	0	0	7,264,168	8,905,336	8,501,176	7,670,990	0	0	0	32,341,669
W128	INTANK	0	0	0	0	0	5,291,778	6,487,331	6,192,909	5,588,138	0	0	0	23,560,156
W134	INTANK	0	0	0	0	0	4,906,921	6,015,525	5,742,516	5,181,728	0	0	0	21,846,691

2003 Monthly and Annual Emissions Summary[1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)
W118[2]	FIXTANK						32,354	40,937	38,902	32,981			

VRU Control Efficiency: 99.3 (%) [4]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
W84	INTANK						237	251	250	233				0.49
W101	INTANK						284	302	300	280				0.58
W116	INTANK						283	301	299	279				0.58
W118[3]	FIXTANK						324	409	389	330	0	0	0	0.73
W123	INTANK						275	292	290	270				0.56
W124	INTANK						284	301	299	279				0.58
W128	INTANK						280	297	295	276				0.57
W134	INTANK						237	251	250	233				0.49
Totals:		0	0	0	0	0	2,203	2,404	2,371	2,180	0	0	0	4.58

References:

(1) Calculated using the EPA TANKS 3.1 program.
(2) Tank 118 uncontrolled emissions calculated using TANKS 3.1, before control from the Willbridge VRU.
(3) Tank 118 emissions are controlled by the Willbridge VRU (W-VRU).
Controlled emission rate = (Tank 118 uncontrolled emissions [lbs/month]) X (1 - (control efficiency from VRU [%] /100))
(4) Source test of VRU, June 9-10, 1998.

Kinder Morgan, Willbridge Terminal
Emission Unit: W-FIXTANK, W-EXTANK, W-INTANK
Gasoline RVP10

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
W84	INTANK	0	0	0	4,903,405	4,392,297	0	0	0	0	0	0	0	9,295,701
W101	INTANK	0	0	0	7,465,891	6,687,682	0	0	0	0	0	0	0	14,153,573
W116	INTANK	0	0	0	7,176,889	6,428,804	0	0	0	0	0	0	0	13,605,693
W118	FIXTANK	0	0	0	4,768,537	4,271,487	0	0	0	0	0	0	0	9,040,024
W123	INTANK	0	0	0	6,907,153	6,187,184	0	0	0	0	0	0	0	13,094,338
W124	INTANK	0	0	0	7,273,223	6,515,096	0	0	0	0	0	0	0	13,788,319
W128	INTANK	0	0	0	5,298,374	4,746,097	0	0	0	0	0	0	0	10,044,471
W134	INTANK	0	0	0	4,913,038	4,400,926	0	0	0	0	0	0	0	9,313,964

2003 Monthly and Annual Emissions Summary[1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)
W118[2]	FIXTANK				40,412	40,057							

VRU Control Efficiency: 99.3 (%) [4]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
W84	INTANK				314	336								0.33
W101	INTANK				376	403								0.39
W116	INTANK				376	403								0.39
W118[3]	FIXTANK				283	280	0	0	0	0	0	0	0	0.28
W123	INTANK				364	390								0.38
W124	INTANK				376	403								0.39
W128	INTANK				372	400								0.39
W134	INTANK				314	336								0.33
Totals:		0	0	0	2,774	2,952	0	0	0	0	0	0	0	2.86

References:

(1) Calculated using the EPA TANKS 3.1 program.
(2) Tank 118 uncontrolled emissions calculated using TANKS 3.1, before control from the Willbridge VRU.
(3) Tank 118 emissions are controlled by the Willbridge VRU (W-VRU).
Controlled emission rate = (Tank 118 uncontrolled emissions [lbs/month]) X (1 - (control efficiency from VRU [%] /100))
(4) Source test of VRU, June 9-10, 1998.

Kinder Morgan, Willbridge Terminal
Emission Unit: W-FIXTANK, W-EXTANK, W-INTANK
Gasoline RVP13

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
W84	INTANK	0	0	4,121,764	0	0	0	0	0	0	5,193,587	3,573,803	0	12,889,154
W101	INTANK	0	0	6,275,771	0	0	0	0	0	0	7,907,720	5,441,449	0	19,624,939
W116	INTANK	0	0	6,032,838	0	0	0	0	0	0	7,601,615	5,230,812	0	18,865,264
W118	FIXTANK	0	0	3,361,880	0	0	0	0	0	0	5,050,737	3,475,506	0	11,888,123
W123	INTANK	0	0	5,806,100	0	0	0	0	0	0	7,315,917	5,034,218	0	18,156,234
W124	INTANK	0	0	6,113,815	0	0	0	0	0	0	7,703,650	5,301,024	0	19,118,489
W128	INTANK	0	0	4,453,773	0	0	0	0	0	0	5,611,930	3,861,673	0	13,927,376
W134	INTANK	0	0	4,129,862	0	0	0	0	0	0	5,203,790	3,580,824	0	12,914,476

2003 Monthly and Annual Emissions Summary[1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)
W118[2]	FIXTANK			36,035							54,222	33,887	

VRU Control Efficiency: 99.3 (%) [4]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
W84	INTANK			401							433	388		0.61
W101	INTANK			480							519	465		0.73
W116	INTANK			480							519	464		0.73
W118[3]	FIXTANK	0	0	252	0	0	0	0	0	0	380	237	0	0.43
W123	INTANK			464							502	449		0.71
W124	INTANK			480							519	464		0.73
W128	INTANK			477							515	462		0.73
W134	INTANK			401							433	388		0.61
Totals:		0	0	3,436	0	0	0	0	0	0	3,821	3,316	0	5.29

References:

(1) Calculated using the EPA TANKS 3.1 program.
(2) Tank 118 uncontrolled emissions calculated using TANKS 3.1, before control from the Willbridge VRU.
(3) Tank 118 emissions are controlled by the Willbridge VRU (W-VRU).
Controlled emission rate = (Tank 118 uncontrolled emissions [lbs/month]) X (1 - (control efficiency from VRU [%] /100))
(4) Source test of VRU, June 9-10, 1998.

Kinder Morgan, Willbridge Terminal
Emission Unit: W-FIXTANK, W-EXTANK, W-INTANK
Gasoline RVP15

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
W84	INTANK	5,357,474	3,649,847	0	0	0	0	0	0	0	0	0	3,559,306	12,566,627
W101	INTANK	0	5,557,232	0	0	0	0	0	0	0	0	0	5,419,376	10,976,608
W116	INTANK	7,841,489	5,342,114	0	0	0	0	0	0	0	0	0	5,209,593	18,393,196
W118	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	3,461,408	3,461,408
W123	INTANK	7,546,776	5,141,336	0	0	0	0	0	0	0	0	0	5,013,797	17,701,908
W124	INTANK	7,946,744	5,413,820	0	0	0	0	0	0	0	0	0	5,279,521	18,640,085
W128	INTANK	5,789,019	3,943,842	0	0	0	0	0	0	0	0	0	3,846,009	13,578,870
W134	INTANK	5,367,999	3,657,017	0	0	0	0	0	0	0	0	0	3,566,299	12,591,316

2003 Monthly and Annual Emissions Summary[1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)
W118[2]	FIXTANK												35,937

VRU Control Efficiency: 99.3 (%) [4]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
W84	INTANK	435	454										433	0.66
W101	INTANK		544										519	0.53
W116	INTANK	521	544										519	0.79
W118[3]	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	252	0.13
W123	INTANK	504	526										502	0.77
W124	INTANK	521	544										519	0.79
W128	INTANK	517	541										516	0.79
W134	INTANK	435	454										433	0.66
Totals:		2,932	3,606	0	0	0	0	0	0	0	0	0	3,691	5.11

References:
(1) Calculated using the EPA TANKS 3.1 program.
(2) Tank 118 uncontrolled emissions calculated using TANKS 3.1, before control from the Willbridge VRU.
(3) Tank 118 emissions are controlled by the Willbridge VRU (W-VRU).
Controlled emission rate = (Tank 118 uncontrolled emissions [lbs/month]) X (1 - (control efficiency from VRU [%] /100))
(4) Source test of VRU, June 9-10, 1998.

Kinder Morgan, Willbridge Terminal
Emission Unit: W-FIXTANK, W-EXTANK, W-INTANK
Jet A Fuel

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
W2	FIXTANK	2,821,399	3,864,614	4,287,890	3,713,085	4,522,556	4,737,510	5,692,101	5,697,661	5,031,987	4,253,693	4,485,228	5,180,043	54,307,765
W4	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W52	FIXTANK	860,737	0	0	0	0	0	0	0	0	0	0	0	860,737
W64	FIXTANK	988,957	1,048,742	1,163,607	1,007,621	1,227,288	1,285,620	1,344,668	1,546,177	1,370,960	1,154,326	1,217,158	1,405,710	14,960,834
W69	FIXTANK	3,728,368	3,953,757	4,386,797	3,798,733	4,626,876	4,846,788	5,823,398	5,829,086	5,168,519	4,351,811	4,588,686	5,299,526	56,402,344
W70	FIXTANK	1,661,448	1,761,886	1,954,859	1,692,804	2,061,844	2,159,842	2,595,042	2,597,577	2,303,212	1,939,268	2,044,826	2,361,593	25,134,201
W71	FIXTANK	0	0	520,245	997,345	1,215,015	1,272,764	1,329,221	1,530,715	1,357,250	1,142,783	1,204,987	1,391,653	12,162,178
W91	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W92	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W93	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W94	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W95	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W96	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W97	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W98	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W99	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W109	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W110	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W111	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W112	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W113	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W114	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W115	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W141	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0

2003 Monthly and Annual Emissions Summary[1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
W2	FIXTANK	65	93	120	123	163	186	233	229	186	133	103	104	0.87
W4	FIXTANK													0.00
W52	FIXTANK	16												0.01
W64	FIXTANK	21	25	32	32	43	49	62	60	49	35	28	28	0.23
W69	FIXTANK	81	95	122	123	166	190	238	233	190	136	108	107	0.90
W70	FIXTANK	35	442	53	54	72	83	104	102	83	19	47	47	0.57
W71	FIXTANK			19	32	43	49	21	60	49	35	28	28	0.18
W91	FIXTANK													0.00
W92	FIXTANK													0.00
W93	FIXTANK													0.00
W94	FIXTANK													0.00
W95	FIXTANK													0.00
W96	FIXTANK													0.00
W97	FIXTANK													0.00
W98	FIXTANK													0.00
W99	FIXTANK													0.00
W109	FIXTANK													0.00
W110	FIXTANK													0.00
W111	FIXTANK													0.00
W112	FIXTANK													0.00
W113	FIXTANK													0.00
W114	FIXTANK													0.00
W115	FIXTANK													0.00
W141	FIXTANK													0.00
Totals:		218	654	345	366	486	556	658	684	556	359	317	314	2.76

References:
(1) Calculated using the EPA TANKS 3.1 program.

Kinder Morgan, Willbridge Terminal
Emission Unit: W-FIXTANK, W-EXTANK, W-INTANK
Ethanol

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
W4	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W91	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W92	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W93	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W94	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W95	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W96	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W97	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W98	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W99	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W105	INTANK	134,739	193,663	46,876	43,249	45,965	43,608	43,998	44,735	43,892	76,646	194,821	249,032	1,161,225
W109	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W110	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W111	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W112	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W113	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W114	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W115	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W141	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W152	INTANK	393,852	566,093	137,022	126,420	134,358	127,471	128,611	130,762	128,298	224,044	569,478	727,941	3,394,349

2003 Monthly and Annual Emissions Summary[1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
W4	FIXTANK													0.00
W91	FIXTANK													0.00
W92	FIXTANK													0.00
W93	FIXTANK													0.00
W94	FIXTANK													0.00
W95	FIXTANK													0.00
W96	FIXTANK													0.00
W97	FIXTANK													0.00
W98	FIXTANK													0.00
W99	FIXTANK													0.00
W105	INTANK	7	8	7	7	8	9	10	10	9	8	8	8	0.05
W109	FIXTANK													0.00
W110	FIXTANK													0.00
W111	FIXTANK													0.00
W112	FIXTANK													0.00
W113	FIXTANK													0.00
W114	FIXTANK													0.00
W115	FIXTANK													0.00
W141	FIXTANK													0.00
W152	INTANK	12	14	12	13	15	16	17	17	16	14	14	14	0.09
Totals:		19	21	19	20	23	25	27	27	24	22	22	21	0.14

References:
(1) Calculated using the EPA TANKS 3.1 program.

Kinder Morgan, Willbridge Terminal
Emission Unit: W-FIXTANK, W-EXTANK, W-INTANK
Diesel

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
W4	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W52	FIXTANK	4,866,639	3,239,454	5,787,048	5,813,354	5,632,379	9,648,458	8,871,382	8,565,338	7,847,648	8,623,521	7,652,833	7,192,055	83,740,111
W54	FIXTANK	6,679,478	3,442,190	6,149,220	6,177,173	5,984,871	10,252,290	9,426,582	9,101,384	8,338,779	9,163,209	8,131,772	7,642,157	90,489,106
W91	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W92	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W93	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W94	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W95	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W96	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W97	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W98	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W99	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W100	FIXTANK	6,319,557	0	5,817,871	5,844,318	5,662,378	9,699,848	8,918,633	8,610,959	7,889,446	8,669,452	7,693,594	7,230,362	82,356,418
W109	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W110	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W111	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W112	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W113	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W114	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W115	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
W141	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0

2003 Monthly and Annual Emissions Summary(1)

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
W4	FIXTANK													0.00
W52	FIXTANK	76	62	113	126	142	240	247	236	195	174	127	107	0.92
W54	FIXTANK	101	66	120	134	150	255	262	251	207	185	135	113	0.99
W91	FIXTANK													0.00
W92	FIXTANK													0.00
W93	FIXTANK													0.00
W94	FIXTANK													0.00
W95	FIXTANK													0.00
W96	FIXTANK													0.00
W97	FIXTANK													0.00
W98	FIXTANK													0.00
W99	FIXTANK													0.00
W100	FIXTANK	97		115	129	145	244	252	241	198	176	128	108	0.92
W109	FIXTANK													0.00
W110	FIXTANK													0.00
W111	FIXTANK													0.00
W112	FIXTANK													0.00
W113	FIXTANK													0.00
W114	FIXTANK													0.00
W115	FIXTANK													0.00
W141	FIXTANK													0.00
Totals:		274	128	348	389	437	739	762	728	601	535	390	328	2.83

References:
(1) Calculated using the EPA TANKS 3.1 program.

Kinder Morgan, Willbridge Terminal
Emission Unit: W-FIXTANK, W-EXTANK, W-INTANK
Avgas

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
W117	INTANK	183,569	179,033	181,648	206,529	311,661	514,457	719,954	616,277	454,994	187,356	116,881	160,903	3,833,262
	CALC.(2)													

2003 Monthly and Annual Emissions Summary [1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
W117	INTANK	85	89	93	98	105	112	120	119	110	99	90	85	0.60

References:
(1) Calculated using the EPA TANKS 3.1 program.
(2) To calculate lbs. Using the EPA TANKS3.1 program we had to use the gallons the program would accept. INTANK shows actual throughput , CALC.(2) shows what the EPA program would accept.

Avgas same as Gasoline with RVP of 5.5-7 yeararound

Kinder Morgan, Linnton Terminal
Emission Unit: L-FIXTANK, L-EXTANK, L-INTANK
Gasoline RVP7

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
L2501	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L11017	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L11019	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L17018	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L17027	INTANK	0	0	0	0	0	280,982	0	0	207,646	0	0	0	488,628
L45028	EXTANK	0	0	0	0	0	718,367	0	837,564	530,874	0	0	0	2,086,805
L59029	EXTANK	0	0	0	0	0	932,987	0	0	689,479	0	0	0	1,622,467

2003 Monthly and Annual Emissions Summary [1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
L2501	INTANK													0.00
L11017	INTANK													0.00
L11019	INTANK													0.00
L17018	INTANK													0.00
L17027	INTANK						156			153				0.15
L45028	EXTANK						660		681	571				0.96
L59029	EXTANK						679			589				0.63
Totals:		0	0	0	0	0	1,495	0	681	1,313	0	0	0	1.74

References:
(1) Calculated using the EPA TANKS 3.1 program.

Kinder Morgan, Linnton Terminal
Emission Unit: L-FIXTANK, L-EXTANK, L-INTANK
Gasoline RVP10

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
L2501	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L11017	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L11019	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L17018	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L17027	INTANK	0	0	0	534,982	0	0	0	0	0	0	0	0	534,982
L45028	EXTANK	0	0	0	1,367,751	0	0	0	0	0	0	0	0	1,367,751
L59029	EXTANK	0	0	0	1,776,383	0	0	0	0	0	0	0	0	1,776,383

2003 Monthly and Annual Emissions Summary [1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
						RVP-9								
L2501	INTANK													0.00
L11017	INTANK													0.00
L11019	INTANK													0.00
L17018	INTANK													0.00
L17027	INTANK				209									0.10
L45028	EXTANK				916									0.46
L59029	EXTANK				942									0.47
Totals:		0	0	0	2,068	0	0	0	0	0	0	0	0	1.03

References:
(1) Calculated using the EPA TANKS 3.1 program.

Kinder Morgan, Linnton Terminal
Emission Unit: L-FIXTANK, L-EXTANK, L-INTANK
Gasoline RVP13

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
L2501	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L11017	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L11019	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L17018	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L17027	INTANK	0	0	0	0	0	0	0	0	0	0	125,198	0	125,198
L45028	EXTANK	0	0	0	0	0	0	0	0	0	0	320,086	0	320,086
L59029	EXTANK	0	0	0	0	0	0	0	0	0	0	415,716	0	415,716

2003 Monthly and Annual Emissions Summary [1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
L2501	INTANK													0.00
L11017	INTANK													0.00
L11019	INTANK													0.00
L17018	INTANK													0.00
L17027	INTANK											261		0.13
L45028	EXTANK											1,382		0.69
L59029	EXTANK											1,415		0.71
Totals:		0	0	0	0	0	0	0	0	0	0	3,058	0	1.53

References:
(1) Calculated using the EPA TANKS 3.1 program.

Kinder Morgan, Linnton Terminal
Emission Unit: L-FIXTANK, L-EXTANK, L-INTANK
Gasoline RVP15

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
L2501	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L11017	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L11019	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L17018	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L17027	INTANK	403,396	165,268	0	0	0	0	0	0	0	0	0	381,898	950,562
L45028	EXTANK	1,031,333	422,529	0	0	0	0	0	0	0	0	0	976,372	2,430,234
L59029	EXTANK	1,339,456	548,765	0	0	0	0	0	0	0	0	0	1,268,074	3,156,295

2003 Monthly and Annual Emissions Summary [1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
L2501	INTANK													0.00
L11017	INTANK													0.00
L11019	INTANK													0.00
L17018	INTANK													0.00
L17027	INTANK	291	306										293	0.44
L45028	EXTANK	1,867	1,768										1,781	2.71
L59029	EXTANK	1,905	1,807										1,819	2.77
Totals:		4,063	3,881	0	0	0	0	0	0	0	0	0	3,892	5.92

References:
(1) Calculated using the EPA TANKS 3.1 program.

Kinder Morgan, Linnton Terminal
Emission Unit: L-FIXTANK, L-EXTANK, L-INTANK
Ethanol

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
L1033	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L2024	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L2501	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L2502	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L2503	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L5004	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L10007	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L17020	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L55008	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L55023	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0

2003 Monthly and Annual Emissions Summary[1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
L1033	FIXTANK													0.00
L2024	FIXTANK													0.00
L2501	INTANK													0.00
L2502	FIXTANK													0.00
L2503	FIXTANK													0.00
L5004	FIXTANK													0.00
L10007	FIXTANK													0.00
L17020	INTANK													0.00
L55008	FIXTANK													0.00
L55023	FIXTANK													0.00
Totals:		0	0	0	0	0	0	0	0	0	0	0	0	0.00

References:
(1) Calculated using the EPA TANKS 3.1 program.

Kinder Morgan, Linnton Terminal
Emission Unit: L-FIXTANK, L-EXTANK, L-INTANK
Diesel

2003 Monthly and Annual Throughput Summary

Tank No.	Type of Tank	Jan (gallons)	Feb (gallons)	Mar (gallons)	Apr (gallons)	May (gallons)	Jun (gallons)	Jul (gallons)	Aug (gallons)	Sep (gallons)	Oct (gallons)	Nov (gallons)	Dec (gallons)	2003 Throughput (gallons)
L1033	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L2024	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L2501	INTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L2502	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L2503	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L5004	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L10007	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L20011	FIXTANK	277,435	441,612	0	0	0	0	0	0	0	0	0	0	719,047
L30016	FIXTANK	406,119	646,448	0	0	1,223,485	570,651	90,201	822,528	316,188	297,946	0	0	4,373,568
L55008	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0
L55021	FIXTANK	752,937	1,198,501	0	0	1,390,259	1,057,976	167,231	0	586,206	0	0	0	5,153,110
L55022	FIXTANK	748,012	1,190,662	0	0	0	1,051,056	166,137	0	582,372	548,774	0	0	4,287,013
L55023	FIXTANK	0	0	0	0	0	0	0	0	0	0	0	0	0

2003 Monthly and Annual Emissions Summary[1]

Tank No.	Type of Tank	Jan (lbs)	Feb (lbs)	Mar (lbs)	Apr (lbs)	May (lbs)	Jun (lbs)	Jul (lbs)	Aug (lbs)	Sep (lbs)	Oct (lbs)	Nov (lbs)	Dec (lbs)	2003 Emissions (tons)
L1033	FIXTANK													0.00
L2024	FIXTANK													0.00
L2501	INTANK													0.00
L2502	FIXTANK													0.00
L2503	FIXTANK													0.00
L5004	FIXTANK													0.00
L10007	FIXTANK													0.00
L20011	FIXTANK	7	11											0.01
L30016	FIXTANK	10	16			39	31	25	40	24	17			0.10
L55008	FIXTANK													0.00
L55021	FIXTANK	19	29			55	56	45		42				0.12
L55022	FIXTANK	16	26				23	4		13	12			0.05
L55023	FIXTANK													0.00
Totals:		53	82	0	0	95	109	74	40	79	29	0	0	0.28

References:
(1) Calculated using the EPA TANKS 3.1 program.