

**Table 4.6.1. TOTAL CONSTRUCTION EMISSIONS  
POUNDS PER HOUR**

<b>Source</b>	<b>CO</b>	<b>NO<sub>x</sub></b>	<b>SO<sub>2</sub></b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>VOC</b>	<b>CO<sub>2e</sub></b>	<b>PM</b>	<b>HAP</b>
Construction Equipment	2.70	6.06	0.01	0.21	0.21	0.73	1,056.87	<0.01	0.01
Construction Worker Commuting	0.31	0.03	<0.01	<0.01	<0.01	0.03	55.17	<0.01	<0.01
Material Delivery	0.77	2.12	<0.01	0.10	0.09	0.18	421.11	<0.01	<0.01
Earthmoving Activities	<0.01	<0.01	<0.01	6.51	0.65	<0.01	<0.01	<0.01	--
Road Emissions	<0.01	<0.01	<0.01	0.03	<0.01	<0.01	<0.01	0.24	--
Cement Plant	<0.01	<0.01	<0.01	2.63	0.43	<0.01	<0.01	8.82	--
Other VOC (Paint and Fuel)	<0.01	<0.01	<0.01	<0.01	<0.01	8.30	<0.01	<0.01	--
<b>Total</b>	<b>3.78</b>	<b>8.21</b>	<b>0.01</b>	<b>9.49</b>	<b>1.38</b>	<b>9.24</b>	<b>1,533.15</b>	<b>9.06</b>	<b>0.01</b>

Sources: (CARB 2007), (WRAP 2006), (AP42 2006), (TCEQ 2001), and (TCEQ 2001b)

**Table 4.6.2. TOTAL CONSTRUCTION EMISSIONS  
TONS PER YEAR**

<b>Source</b>	<b>CO</b>	<b>NO<sub>x</sub></b>	<b>SO<sub>2</sub></b>	<b>PM<sub>10</sub></b>	<b>PM<sub>2.5</sub></b>	<b>VOC</b>	<b>CO<sub>2</sub>e</b>	<b>PM</b>	<b>HAP</b>
Construction Equipment	2.53	5.67	0.01	0.20	0.20	0.68	990.71	<0.01	0.01
Construction Worker Commuting	3.99	0.39	0.01	0.06	0.04	0.43	717.22	<0.01	<0.01
Material Delivery	1.40	3.87	0.01	0.19	0.16	0.33	768.53	<0.01	<0.01
Earthmoving Activities	<0.01	<0.01	<0.01	6.60	0.66	<0.01	<0.01	<0.01	--
Road Emissions	<0.01	<0.01	<0.01	0.06	0.01	<0.01	<0.01	0.52	--
Cement Plant	<0.01	<0.01	<0.01	2.63	0.43	<0.01	<0.01	8.82	--
Other VOC (Paint and Fuel)	<0.01	<0.01	<0.01	<0.01	<0.01	3.41	<0.01	<0.01	--
<b>Total</b>	<b>7.92</b>	<b>9.94</b>	<b>0.02</b>	<b>9.74</b>	<b>1.49</b>	<b>4.85</b>	<b>2,476.45</b>	<b>9.34</b>	<b>0.01</b>

Sources: (CARB 2007), (WRAP 2006), (AP42 2006), (TCEQ 2001), and (TCEQ 2001b)

Table 4.6 Emissions - CONSTRUCTION EQUIPMENT EMISSIONS

Equipment Type	Description	Fuel	HP	Load Factor (%)	Unit Hours <sup>1</sup>	Emission Factors (PPH) <sup>2</sup>								Emissions (TPY)								
						VOC	HAP <sup>3</sup>	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM10/PM2.5	CO <sub>2</sub>	CH <sub>4</sub>	VOC	HAP <sup>3</sup>	CO	NO <sub>x</sub>	SO <sub>2</sub>	PM10/PM2.5	CO <sub>2</sub>	CH <sub>4</sub>	CO <sub>2e</sub>
Bulldozer	Rubber Tire Dozer	Diesel	500	100	624	0.29	0.00	1.25	2.40	0.003	0.10	265.0	0.03	0.09	0.00	0.39	0.75	0.0008	0.03	82.68	0.008	82.89
Backhoe	Tractor/Loader/Backhoe	Diesel	250	100	624	0.11	0.00	0.36	0.90	0.002	0.03	172.0	0.01	0.03	0.00	0.11	0.28	0.0006	0.01	53.66	0.003	53.74
Motor Grader	Grader	Diesel	250	100	624	0.13	0.00	0.40	1.16	0.002	0.04	172.0	0.01	0.04	0.00	0.13	0.36	0.0006	0.01	53.66	0.004	53.76
Side Boom	Other Construction	Diesel	500	100	624	0.13	0.00	0.50	1.19	0.003	0.04	254.0	0.01	0.04	0.00	0.15	0.37	0.0008	0.01	79.25	0.004	79.34
3/4 Ton Pick-Up	Other Construction	Diesel	175	100	624	0.08	0.00	0.59	0.66	0.001	0.03	107.0	0.01	0.02	0.00	0.18	0.21	0.0004	0.01	33.38	0.002	33.44
3 Ton Truck	Off-Highway Truck	Diesel	250	100	624	0.13	0.00	0.37	0.98	0.002	0.03	167.0	0.01	0.04	0.00	0.12	0.31	0.0006	0.01	52.10	0.004	52.19
Welding Truck	Off Highway Truck	Diesel	250	100	624	0.13	0.00	0.37	0.98	0.002	0.03	167.0	0.01	0.04	0.00	0.12	0.31	0.0006	0.01	52.10	0.004	52.19
Welding Tractor	Tractor/Loader/Backhoe	Diesel	175	100	624	0.09	0.00	0.59	0.63	0.001	0.03	101.0	0.01	0.03	0.00	0.18	0.20	0.0003	0.01	31.51	0.002	31.57
Mechanic Truck	Off-Highway Truck	Diesel	250	100	624	0.13	0.00	0.37	0.98	0.002	0.03	167.0	0.01	0.04	0.00	0.12	0.31	0.0006	0.01	52.10	0.004	52.19
Fuel Truck	Off-Highway Truck	Diesel	250	100	624	0.13	0.00	0.37	0.98	0.002	0.03	167.0	0.01	0.04	0.00	0.12	0.31	0.0006	0.01	52.10	0.004	52.19
Lube Truck	Off-Highway Truck	Diesel	250	100	624	0.13	0.00	0.37	0.98	0.002	0.03	167.0	0.01	0.04	0.00	0.12	0.31	0.0006	0.01	52.10	0.004	52.19
Tractor Trailer w. lowboy	Off-Highway Truck	Diesel	500	100	624	0.20	0.00	0.59	1.42	0.003	0.05	272.0	0.02	0.06	0.00	0.19	0.44	0.0008	0.02	84.86	0.006	85.00
Tractor Trailer w. pole trailer	Off-Highway Truck	Diesel	500	100	624	0.20	0.00	0.59	1.42	0.003	0.05	272.0	0.02	0.06	0.00	0.19	0.44	0.0008	0.02	84.86	0.006	85.00
Directional Drill Machine	Bore/Drill Rig	Diesel	500	100	624	0.11	0.00	0.55	0.77	0.003	0.02	311.0	0.01	0.03	0.00	0.17	0.24	0.0010	0.01	97.03	0.003	97.11
Small Engines/Pumps	Pump	Diesel	15	100	624	0.01	0.00	0.05	0.07	0.000	0.00	7.4	0.00	0.00	0.00	0.01	0.02	0.0000	0.00	2.31	0.000	2.32
Fill Pump	Pump	Diesel	250	100	624	0.11	0.00	0.40	1.33	0.002	0.04	201.0	0.01	0.03	0.00	0.12	0.41	0.0007	0.01	62.71	0.003	62.79
Test Pump	Pump	Diesel	250	100	624	0.11	0.00	0.40	1.33	0.002	0.04	201.0	0.01	0.03	0.00	0.12	0.41	0.0007	0.01	62.71	0.003	62.79
Total <sup>4</sup>						0.73	0.01	2.70	6.06	0.01	0.21	1,056.80	0.07	0.68	0.01	2.53	5.67	0.01	0.20	989.16	0.06	990.71

<sup>1</sup> Hours based on 10 hour days, 6 days per week, with each piece of equipment operating 20% of the time.

<sup>2</sup> Emission Factor from SCAB Fleet Average Emission Factors (Diesel) listed on tab at the end of the workbook.

<sup>3</sup> HAP assumed to be 1% of VOC emissions based on HAP to VOC ratio listed in AP-42 Tables 3.3-1 and 3.3-2.

<sup>4</sup> Total Hourly emissions based on 1/3 of the equipment operating simultaneously.

Table 4.6 Emissions - - CONSTRUCTION WORKER COMMUTING EMISSIONS  
 Highest (Most Conservative) EMFAC2007 (version 2.3)  
 Emission Factors for On-Road Passenger Vehicles & Delivery Trucks  
 Projects in the SCAQMD (Scenario Years 2007 - 2026)

Vehicle Class:

Passenger Vehicles (<8500 pounds) & Delivery Trucks (>8500 pounds)

The following emission factors were compiled by running the California Air Resources Board's EMFAC2007 (version 2.3) Burden Model, taking the weighted average of vehicle types and simplifying into two categories: Passenger Vehicles & Delivery Trucks.

These emission factors can be used to calculate on-road mobile source emissions for the vehicle categories listed in the tables below, by use of the following equation:

$$\text{Emissions (pounds per day)} = N \times \text{TL} \times \text{EF}$$

where N = number of trips, TL = trip length (miles/day), and EF = emission factor (pounds per mile)

This methodology replaces the old EMFAC emission factors in Tables A-9-5-J-1 through A-9-5-L in Appendix A9 of the current SCAQMD CEQA Handbook. All the emission factors account for the emissions from start, running and idling exhaust. In addition, the ROG emission factors include diurnal, hot soak, running and resting emissions, and the PM10 & PM2.5 emission factors include tire and brake wear.

Scenario Year: 2015

All model years in the range 1971 to 2015

Passenger Vehicles (pounds/mile)		Delivery Trucks (pounds/mile)	
CO	0.00614	CO	0.01169
NOx	0.00060	NOx	0.01285
SOx	0.00001	SOx	0.00003
PM10	0.00009	PM10	0.00050
PM2.5	0.00006	PM2.5	0.00041
CO2	1.10193	CO2	2.81248
CH4	0.00006	CH4	0.00008

Number of Construction Workers		100									
Average Trip Length		50									
Days of Construction		260									
Pollutant		CO	NOx	SO2	PM10	PM2.5	VOC	HAP	CO2	CH4	CO2e
Emission Factor	(Lbs/Mile)	0.00614	0.00060	0.00001	0.00009	0.00006	0.00066	0.00001	1.10193	0.00006	1.10341
	(Total Lbs)	7,983	782	14	120	78	863	8.63	1,432,507	76.99	1,434,432
	(PPH)	0.31	0.03	0.00	0.00	0.00	0.03	0.00	55.10	0.00	55.17
	(Tons)	3.99	0.39	0.01	0.06	0.04	0.43	0.00	716.25	0.04	717.22
	(TPY)	3.99	0.39	0.01	0.06	0.04	0.43	0.00	716.25	0.04	717.22

NOTE: Emissions show as "0.00" are <0.01.

NOTE: HAP assumed to be 1% of VOC emissions based on HAP to VOC ratio listed in AP-42 Tables 3.3-1 and 3.3-2.

Table 4.6 Emissions - MATERIAL DELIVERY EMISSIONS  
 Highest (Most Conservative) EMFAC2007 (version 2.3)  
 Emission Factors for On-Road Heavy-Heavy-Duty Diesel Trucks  
 Projects in the SCAQMD (Scenario Years 2007 - 2026)  
 Derived from Peak Emissions Inventory (Winter, Annual, Summer)

Vehicle Class:

Heavy-Heavy-Duty Diesel Trucks (33,001 to 60,000 pounds)

The following emission factors were compiled by running the California Air Resources Board's EMFAC2007 (version 2.3) Burden Model and extracting the Heavy-Heavy-Duty Diesel Truck (HHDT) Emission Factors.

These emission factors can be used to calculate on-road mobile source emissions for the vehicle/emission categories listed in the tables below, by use of the following equation:

$$\text{Emissions (pounds per day)} = N \times TL \times EF$$

where N = number of trips, TL = trip length (miles/day), and EF = emission factor (pounds per mile)

The HHDT-DSL vehicle/emission category accounts for all emissions from heavy-heavy-duty diesel trucks, including start, running and idling exhaust. In addition, ROG emission factors account for diurnal, hot soak, running and resting emissions, and the PM10 & PM2.5 emission factors account for tire and brake wear.

The HHDT-DSL, Exh vehicle/emission category includes only the exhaust portion of PM10 & PM2.5 emissions from heavy-heavy-duty diesel trucks.

Scenario Year: 2015  
 All model years in the range 1971 to 2015

HHDT-DSL (pounds/mile)		HHDT-DSL, Exh (pounds/mile)	
CO	0.00767	PM10	0.00091
NOx	0.02123	PM2.5	0.00083
SOx	0.00004		
PM10	0.00105		
PM2.5	0.00088		
CO2	4.20902		
CH4	0.00008		

Material Loads		1825									
Average Trip Length		100									
Pollutant		CO	NOx	SO2	PM10	PM2.5	VOC	HAP	CO2	CH4	CO2e
Emission Factor	(Lbs/Mile)	0.00767	0.02123	0.00004	0.00105	0.00088	0.00179	0.00002	4.20902	0.00008	4.21
Emissions	(Total Lbs)	1,399.58	3,873.89	7.45	191.11	160.56	325.96	3.26	768,146.56	15.27	768,528.40
	(PPH)	0.77	2.12	0.00	0.10	0.09	0.18	0.00	420.90	0.01	421.11
	(Tons)	0.70	1.94	0.00	0.10	0.08	0.16	0.00	384.07	0.01	384.26
	(TPY)	1.40	3.87	0.01	0.19	0.16	0.33	0.00	768.15	0.02	768.53

NOTE: Emissions show as "0.00" are <0.01.

NOTE: HAP assumed to be 1% of VOC emissions based on HAP to VOC ratio listed in AP-42 Tables 3.3-1 and 3.3-2.

NOTE: Material loads based on 6 days per week, for six months with 5 deliveries per day.

**Construction Emissions**  
**Emissions from Earth Moving Activities**

Maximum Annual Acreage Disturbed	(Acres) <sup>1</sup>	60
Months of Land Disturbance	(Months) <sup>1</sup>	24
Annual Hours of Land Disturbance	(Hours/Year) <sup>2</sup>	2028
Emission Factor PM <sub>10</sub>	(Tons of PM <sub>10</sub> /Acre-	0.22
Emission Factor PM <sub>10</sub>	(Tons of PM <sub>2.5</sub> /Acre-	0.022
Control Efficiency	(% Reduction) <sup>5</sup>	0%
Emission Rate	PM <sub>10</sub> - PPH <sup>6</sup>	6.51
	PM <sub>2.5</sub> - PPH <sup>6</sup>	0.65
Emission Rate	PM <sub>10</sub> - TPY <sup>7</sup>	6.60
	PM <sub>2.5</sub> - TPY <sup>7</sup>	0.66

Source: (WRAP 2006)

- (1) Based on Phase 1 of construction taking 2 years that will disturb approximately 120 acres
- (2) Based on land disturbance during the construction occurring 6.5 hours per day, 6 days per
- (3) PM<sub>10</sub> emission factor is from WRAP Fugitive Dust Handbook, Section 3.2.1 (p. 3-2) for
- (4) PM<sub>2.5</sub> emission factor is from WRAP Fugitive Dust Handbook, Section 3.3.1 (p. 3-8) for
- (5) No control efficiency or mitigation factors applied.
- (6) Example Calculation - pounds per hour (PPH)  
 $4.23 \text{ PM}_{10} \text{ PPH} = (0.28 \text{ PM}_{10} \text{ ton/yr}) \times (2000 \text{ lbs/ton}) / (1560 \text{ hours/yr})$
- (7) Example Calculation - tons per year (TPY)  
 $3.30 \text{ PM}_{10} \text{ TPY} = (60 \text{ Acres}) / (24 \text{ Months}) \times (0.11 \text{ Tons of PM}_{10}/\text{Acre-Month}) \times (12$

## Feed Pad Area Emission Calculations

### Road Emissions

VMT and Mean Vehicle Weight Calculations (Estimated Vehicle Traffic) <sup>1</sup>					
Vehicles Type	Percent of	Number of	Average	Length of	Vehicle
	Annual	Trips	Vehicle	Road	Miles
	Traffic	per Year	Weight	Round trip	per Year
	(%)	(trips/year)	(tons)	(miles)	(VMT/yr)
Dump Truck	22.73	1,825	19.5	0.5	913
Front-End Loader	22.73	1,825	17.5	0.5	913
Sweeper	-	-	4.5	0	-
Crane	22.73	1,825	30.0	0.5	913
Contractor Vehicles	-	-	4.0	0	-
Forklifts	4.55	1,825	6.5	0.1	183
Delivery Vehicles	22.73	1,825	40.0	0.5	913
JLG Manlifts	4.55	1,825	7.0	0.1	183
<b>Total:</b>					<b>4,015</b>

<sup>1</sup> Based on estimates of maximum annual rates.

#### Unpaved Road Emission Calculation:

Road Type	Uncontrolled Annual Average Emission Factor (lb/VMT)		
	PM	PM <sub>10</sub>	PM <sub>2.5</sub>
Unpaved	0.26	0.03	0.00

Road Type	Controlled Hourly Emissions (lb/hr) <sup>2,3</sup>			Controlled Annual Emissions (tpy) <sup>3</sup>		
	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	PM	PM <sub>10</sub>	PM <sub>2.5</sub>
Unpaved	0.24	0.025	0.0025	0.52	0.06	0.006

<sup>2</sup> Hourly emissions calculated based on annual emissions and hourly emissions based on 4,380 hours per year.

<sup>3</sup> The control efficiency is applied 0% per TCEQ Guidance Document for Concrete Batch Plants (Draft, January 2001)  
Control Type = none

Per U.S. EPA, AP-42, Section 13.2.2, Unpaved Roads, Equations 1a and 2 (November 2006):

$$\text{Emission Factor} \left( \frac{\text{lb}}{\text{VMT}} \right) = k \times (s/12)^a \times (W/3)^b \times \left( \frac{365-p}{365} \right)$$

Where:

VMT = Vehicle Miles Traveled  
= 4,015 (see Estimated Vehicle Traffic table below)  
k, a, b = AP-42 Empirical Constants (AP-42, Table 13.2.2-2)

Constants	PM	PM <sub>10</sub>	PM <sub>2.5</sub>
k (lb/VMT)	4.9	1.5	0.15
a	0.7	0.9	0.9
b	0.45	0.45	0.45

s = silt content of unpaved road surface material (%)

6.0 % for Iron and Steel Production Plant Road (AP-42, Table 13.2.2-1)

W = Mean Vehicle Weight (tons)

= Σ [Average Vehicle Weight (ton) \* Percentage of Annual Traffic]

= 24.93 tons (see Estimated Vehicle Traffic table below)

p = number of days in a year with at least 0.01 inch of precipitation

60 days (AP-42, Figure 13.2.2-1)

From TCEQ Guidance

Control method	Control	Control
Watering	70%	0.30
Oiling	80%	0.20
Chemical foam	85%	0.15
Paved only - no maintenance	60%	0.40
Paved and swept	90%	0.10
Paved and watered	95%	0.05
Paved and wet swept	98%	0.02
Paved and foamed	99%	0.01
Paved and vacuumed	99%	0.01
None	0%	0.00

Concrete Plant Emissions

Amount of Concrete Used	(Tons)	450,000
PM Emission Factor - Loading	(Lb/Ton)	0.018
PM10 Emission Factor - Loading	(Lb/Ton)	0.006
PM2.5 Emission Factor - Loading	(Lb/Ton)	0.001
PM Emission Factor - Mixing	(Lb/Ton)	0.0212
PM10 Emission Factor - Mixing	(Lb/Ton)	0.0057
PM2.5 Emission Factor - Mixing	(Lb/Ton)	0.0009
Control Efficiency	(% Reduction)	0%
Emission Rate <sup>1</sup>	PM - PPH	4.03
	PM10 - PPH	1.20
	PM2.5 - PPH	0.20
Emission Rate	PM - TPY	8.82
	PM10 - TPY	2.63
	PM2.5 - TPY	0.43

Source: (AP42 2006)

(1) - Hourly emissions assumes 6 months of construction time.

AP-42 Table 18.5 Loading

AP-42 Table 17.2 Mixing



## Paint Emissions

Maximum VOC Content (lb/gal)	Maximum Usage Rate		Potential to Emit VOC	
	value	Units	Value	Units
2.00	3.0	gal/hr	6.00	lb/hr
2.00	2,880	gal/yr	2.88	T/yr

**Calculation Data:**

Maximum Hourly Coating Usage Rate = 3.0 gal/hr  
 Maximum Annual Coating Usage Rate = 2,880 gal/yr  
 Max. VOC Content = 2 lb/gal

**Calculations:**

**Hourly Potential to Emit VOC**

VOC Emissions (lb/hr) = (Maximum Hourly Usage Rate, gal/hr) \* (Max. VOC Content, lb/gal)  
 VOC Emissions (lb/hr) = (3.0 gal/hr) \* (2.00 lb VOC/gal) = **6.00 lb/hr**

**Annual Potential to Emit VOC**

VOC Emissions (T/yr) = (Maximum Annual Usage Rate, gal/yr) \* (Max. VOC Content, lb/gal) / (2,000 lb/T)  
 VOC Emissions (T/yr) = (2,880 gal/yr) \* (2.00 lb VOC/gal) / (2,000 lb/T) = **2.88 T/yr**

**NOTES:**

Emission calculation formula and emission factors are defined in TCEQ Technical Guidance Document for Surface Coating Operations dated April 2001. The calculations do not account for any enclosure or control device.

**STORAGE TANK EMISSIONS SUMMARY**  
**PERMIT BY RULE REGISTRATION**

<b>Number</b>	<b>Capacity (gallons)</b>	<b>Material Stored</b>	<b>Hourly VOC Emission Estimate PPH</b>	<b>Annual VOC Emission Estimate TPY</b>	<b>Hourly VOC Emission Estimate PPH</b>	<b>Annual VOC Emission Estimate TPY</b>
T-1	15,000	Off Road Diesel	0.04	0.01	0.00	0.00
T-2	15,000	Off Road Diesel	0.04	0.01	0.00	0.00
T-3	10,000	On Road Diesel	0.04	0.01	0.00	0.00
T-3	10,000	On Road Diesel	0.04	0.01	0.00	0.00
T-3	10,000	On Road Diesel	0.04	0.01	0.00	0.00
T-4	10,000	Unleaded Gasoline	1.04	0.24	0.05	0.01
T-4	10,000	Unleaded Gasoline	1.04	0.24	0.05	0.01
<b>TOTAL</b>			<b>2.30</b>	<b>0.53</b>	<b>0.10</b>	<b>0.02</b>

*AP-42* Emission Calculations via software model of Tanks 4.09d.

HAP Content in diesel is assumed to be less than 1% based on typical diesel fuel SDS.

HAP Content in gasoline vapor is assumed to be 4.8% based on EPA's *Background Document: Air Quality Permit by Rule for New or Modified True Minor Source Gasoline Dispensing Facilities in Indian Country*, February 2017.

**TANKS 4.0.9d**  
**Emissions Report - Detail Format**  
**Tank Identification and Physical Characteristics**

**Identification**  
 User Identification:  
 City:  
 State:  
 Company:  
 Type of Tank: Horizontal Tank  
 Description: 15,000 gallon tank

**Tank Dimensions**  
 Shell Length (ft): 25.53  
 Diameter (ft): 10.00  
 Volume (gallons): 14,999.34  
 Turnover: 6.61  
 Net Throughput(gal/yr): 99,162.63  
 Is Tank Heated (y/n): N  
 Is Tank Underground (y/n): Y

**Paint Characteristics**  
 Shell Color/Finish:  
 Shell Condition

**Breather Vent Settings**  
 Vacuum Settings (inHg): -0.03  
 Pressure Settings (psig): 0.03

Meteorological Data used in Emissions Calculations: (Avg Atmospheric Pressure = 14.7 psia)

**TANKS 4.0.9d**  
**Emissions Report - Detail Format**  
**Liquid Contents of Storage Tank**

Material/Component	Month	Daily Liquid Surf. Temperature (deg F)			Liquid Bulk Temp (deg F)	Vapor Pressure (psia)			Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.	Max.		Avg.	Min.	Max.					
Distillate Fuel oil no. 2	All	67.35	67.35	67.35	66.91	0.0086	0.0086	0.0086	120.0000			180.00	Option 1: VP60 + 0074 VP70 + 000