

**On-Site Automobile and Truck Emissions for Construction Phase**

Vehicle Type	Fuel				Emission Factors (g/VMT)				
					CO	NO <sub>x</sub>	PM <sub>10</sub>	SO <sub>2</sub>	HC
Automobile	gasoline				3.75	0.37	0.04	0.005	0.70
On-site pickup/SUVs	gasoline				3.75	0.37	0.04	0.005	0.70
Delivery/haul trucks	diesel				5.05	6.01	0.75	0.02	0.29

Vehicle Type	Fuel	Average number of access road trips per work day per vehicle	Average number of vehicles per work day	Total on-site vehicle miles traveled per work day	Daily Emissions (lb per work day)				
					CO	NO <sub>x</sub>	PM <sub>10</sub>	SO <sub>2</sub>	VOC
Automobile - workers	gasoline	2	420	2520	20.81	2.05	0.22	0.027753	3.89
Automobile - visitors	gasoline	2	20	120	0.99	0.10	0.01	0.001322	0.19
On-site pickup/SUVs	gasoline	4	10	120	1.33	0.10	0.01	0.001322	0.19
Total gasoline vehicles					23.14	2.25	0.24	0.030396	4.26
Delivery/haul trucks	diesel	2	35	210	2.34	2.78	0.35	0.009251	0.13
<b>Total Daily Emissions</b>					<b>243.00</b>	<b>5.03</b>	<b>0.59</b>	<b>0.04</b>	<b>4.39</b>

Vehicle Type	Fuel	Total on-site vehicle miles traveled per work day	Work Days per Year	Total on-site vehicle miles traveled per work year	Annual Emissions (ton per year)				
					CO	NO <sub>x</sub>	PM <sub>10</sub>	SO <sub>2</sub>	VOC
Automobile - workers	gasoline	2520	260	655,200	2.71	0.27	0.03	0.00	0.51
Automobile - visitors	gasoline	120	260	31,200	0.13	0.01	0.00	0.00	0.02
On-site pickup/SUVs	gasoline	120	260	31,200	0.17	0.01	0.00	0.00	0.02
Heavy duty Delivery/haul trucks	diesel	210	260	54,600	3.01	0.29	0.03	0.00	0.55
<b>Total Annual Emissions</b>					<b>6.02</b>	<b>0.58</b>	<b>0.06</b>	<b>0.01</b>	<b>1.11</b>

Vehicle Type	Fuel				GLE Site-Specific Emission Factors (lb per ft <sup>2</sup> per work day)				
					CO	NO <sub>x</sub>	PM <sub>10</sub>	SO <sub>2</sub>	VOC
Automobile	gasoline				1.02E-04	9.94E-06	1.07E-06	1.34E-07	1.88E-05
Pickup/SUV	gasoline				1.02E-04	9.94E-06	1.07E-06	1.34E-07	1.88E-05
Delivery/haul trucks	diesel				1.03E-05	1.23E-05	1.53E-06	4.09E-08	5.93E-07

GLE access road area = 226,226 ft<sup>2</sup>

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