

**THE PORT OF LOS ANGELES INVENTORY OF AIR EMISSIONS  
FOR CALENDAR YEAR 2008 - REVISED**



Prepared for:

**THE PORT OF LOS ANGELES**

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**SECTION 8 SUMMARY OF 2008 EMISSION RESULTS**

The emission results for the Port of Los Angeles 2008 Inventory of Air Emissions are presented in this section. Tables 8.1 and 8.2 summarize the 2008 total Port-related emissions in the South Coast Air Basin by category.

**Table 8.1: 2008 Port-related Emissions by Category, tpy**

Category	PM <sub>10</sub>	PM <sub>2.5</sub>	DPM	NO <sub>x</sub>	SO <sub>x</sub>	CO	HC
Ocean-going vessels	426	341	358	4,798	3,787	485	227
Harbor craft	56	51	56	1,284	1	374	91
Cargo handling equipment	34	32	33	1,169	2	739	47
Rail locomotives	42	38	42	1,366	9	226	74
Heavy-duty vehicles	300	276	300	6,606	5	2,227	398
<b>Total</b>	<b>857</b>	<b>738</b>	<b>788</b>	<b>15,223</b>	<b>3,804</b>	<b>4,052</b>	<b>837</b>

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The greenhouse gas emissions summarized in Table 8.2 are in metric tons per year (2,200 lbs/ton) instead of the short tons per year (2,000 lbs/ton) used throughout the report for criteria pollutants. The CO<sub>2</sub> equivalent values are derived by multiplying the GHG emissions estimates by their respective global warming potential (GWP)<sup>53</sup> values (1 for CO<sub>2</sub>, 310 for N<sub>2</sub>O, 21 for CH<sub>4</sub>) and then adding them together.

**Table 8.2: 2008 Port-related GHG Emissions by Category, metric tons per year**

Category	CO <sub>2</sub>	CO <sub>2</sub>	N <sub>2</sub> O	CH <sub>4</sub>
	Equivalent			
Ocean-going vessels	262,176	257,483	15	4
Harbor craft	55,912	55,119	2	1
Cargo handling equipment	151,180	150,125	3	4
Rail locomotives	76,100	75,347	2	6
Heavy-duty vehicles	499,693	497,963	4	20
<b>Total</b>	<b>1,045,061</b>	<b>1,036,037</b>	<b>27</b>	<b>36</b>

<sup>53</sup> U.S. EPA, *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2006*, 15 April 2008.