



Inventory Changes from the Draft

- 5% of mobile source Cr emissions is Cr(VI)
 - Consistent with assumptions in MATES II and ARB almanac
- Different particulate speciation profile for ship diesel engines
 - Stationary diesel ICE profile (#116) used instead of mobile diesel profile (#425)
 - Resulted in a reduction in EC emissions from ships
- In response to comments, Tables and pollutants added to Appendix VIII as follows:
 - 1998 toxic and criteria pollutants by major source category
 - 2005 criteria pollutants by major source category
 - Pollutants $DPM_{2.5}$ and $EC_{2.5}$ added to tables

Trends in Ship Emissions

Year	TSP* (tpd)	DPM₁₀** (tpd)	DPM_{2.5}** (tpd)
2002	4.58	4.04	3.88
2005	5.55	---	---
2008	4.18	---	---
2010	4.16	3.67	3.53
2014	4.46	4.00	3.86
2017	4.83	---	---
2020	5.30	4.84	4.69

* Attachment A of Appendix III of the 2007 AQMP

** Attachment F of Appendix III of the 2007 AQMP

“Ships and Commercial Boats” CESs and Their 2005 TSP Emissions (tpd)

CES No.	CES Name	TSP (tpd)
82172	Other Ships (liquid)	0.13
47654	Ships Maneuvering – Tugboats (liquid)	0.27
82214	Crew and Supply Boats – Offshore Oil Production (liquid)	0.03
47696	Ships Berthing – Foreign Motor Ships (diesel)	0.09
47639	Ships Maneuvering – U.S. Motor Ships (diesel)	0.00
47647	Ships Maneuvering – Foreign Motor Ships (diesel)	0.01
47688	Ships Berthing – U.S. Motor Ships (diesel)	0.01
58628	Commercial Boats (diesel)	0.95
58669	Ships-in-Transit – U.S. Motor Ships (diesel)	0.00
58677	Ships-in-Transit – Foreign Motor Ships (diesel)	0.01
58644	Ships-in-Transit – U.S. Motor Ships (residual)	0.29
47613	Ships Maneuvering – U.S. Motor Ships (residual)	0.02
47662	Ships Berthing – U.S. Motor Ships (residual)	0.23
58651	Ships-in-Transit – Foreign Motor Ships (residual)	1.91
47621	Ships Maneuvering – Foreign Motor Ships (residual)	0.14
47670	Ships Berthing – Foreign Motor Ships (residual)	1.47
	Diesel Emissions in the 2007 AQMP	5.13
	Diesel Emissions in MATES III	5.55