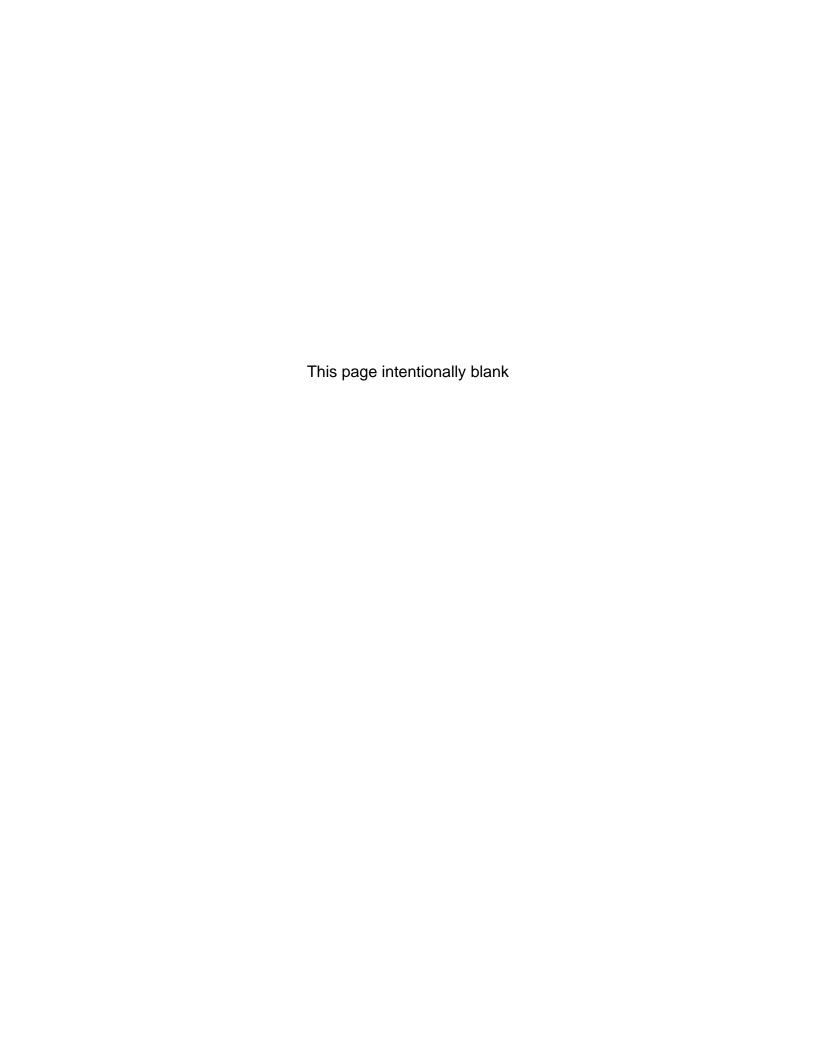
APPENDIX I

Growth and Control Factors for Forecasted Emissions Inventory



Growth and Control Factors for Emission Projections

Part	PM ₁₀	2005	2010	2010	2015	2015	2020	2020
		(Base Year)	(non-regulated)	(regulated)	(non-regulated)	(regulated)	(non-regulated)	(regulated)
1	Ocean-Going Vessels (OGV)	1.00	0.84	0.23	1.04	0.24	1.28	0.27
	Anchorage	1.00	0.58	0.24	0.71	0.30	0.87	0.37
	Hotelling	1.00	0.45	0.25	0.56	0.19	0.69	0.16
	Maneuvering	1.00	1.23	0.23	1.52	0.28	1.88	0.35
	Maneuvering (without Main Engine Rule)	1.00	1.23	0.90	1.52	1.11	1.88	1.38
	Transit	1.00	1.23	0.21	1.52	0.26	1.88	0.32
	Transit (without Main Engine Rule)	1.00	1.23	1.16	1.52	1.43	1.88	1.77
1	Commercial Harbor Craft	1.00	0.87	0.82	0.74	0.41	0.54	0.27
1	Cargo Handling Equipment	1.00	0.94	0.56	0.66	0.22	0.36	0.20
1	Trucks (Drayage)	1.00	1.13	0.18	1.14	0.18	0.49	0.33
1 & 2	Rail	1.00	0.89	0.80	0.86	0.76	0.81	0.72
3	Ocean-Going Vessels (OGV)	1.00	0.78	0.18	0.79	0.19	0.81	0.20
	Anchorage	1.00	0.83	0.17	0.82	0.17	0.81	0.17
	Hotelling	1.00	0.71	0.18	0.71	0.18	0.71	0.19
	Maneuvering	1.00	1.10	0.20	1.24	0.22	1.42	0.25
	Maneuvering (without Main Engine Rule)	1.00	1.10	0.58	1.24	0.61	1.42	0.65
	Transit	1.00	1.10	0.19	1.24	0.21	1.42	0.24
	Transit (without Main Engine Rule)	1.00	1.10	0.91	1.24	0.99	1.42	1.11
3	Commercial Harbor Craft	1.00	0.94	0.92	0.89	0.60	0.70	0.35
3	Trucks (Aggregate)	1.00	0.77	0.58	0.56	0.10	0.41	0.16
	Drayage Trucks	1.00	1.13	0.18	1.14	0.18	0.49	0.33
	Private Fleet Trucks	1.00	0.74	0.60	0.53	0.10	0.39	0.16
3	Rail	1.00	1.01	0.95	1.08	1.01	1.17	1.09

Notes for Growth and Control Factor Table Above

Category	Growth (%)	Uncontrolled	Controlled		
OGV - Transiting	Part 1: Container 4.4% and Reefer Container		Main Engine and Auxiliary Engine Rules		
OGV - Hotelling	2.9% Part 2 (Varies by Port): Passenger 5.3%, Tanker -2.1-	APPOL Appoy VI Main Engine NOv Contr	Auxiliary Engine Rule and Shore Power Rule		
OGV - Maneuvering	5.3%, Bulk -5.4-5.2%, General Cargo -5.4-	ARFOL Annex VI Main Engine NOX Cond	Main Engine and Auxiliary Engine Rules		
OGV - Anchorage	1.89%, Roro -1.4%		Auxiliary Engine Rule		
	Growth between 2005 and 2020	1998 SC MOU and 1997 EPA's	ARB 2005 MOU, ARB Ultra Clean Diesel Rule,		
Locomotives	of approximately 4.5% per year	regulations	1998 SC MOU and 1997 EPA Regulations		
Harbor Craft	No growth in tugs/tows or crew/supply, about a 2% growth in commercial boats*, and a 6% decline in commercial fishing (through 2009, and then no decline)	engine standards, cleaner fuel	ARB Rule, engine standards, cleaner fuel		
Drayage Trucks	5%	chip reflash, idling rules, engine standards	ARB Rule, chip reflash, idling rules, engine standards		
Other Heavy Duty Trucks	1.2.4%	chip reflash, idling rules, engine standards	Proposed ARB Rule (2007 by 2014), chip reflash, idling rules, engine standards		
Cargo Handling Equipment		engine standards, cleaner fuel	ARB Rule, engine standards, cleaner fuel		