

Table 4.1.5-1 Existing Onshore Background Concentrations of Criteria Pollutants <u>a/</u>						
Pollutant	Averaging Period	NAAQS ($\mu\text{g}/\text{m}^3$)	Monitored Background Concentration ($\mu\text{g}/\text{m}^3$) <u>b/</u> , <u>c/</u>			Monitor Location
			2004	2005	2006	
SO ₂	3-Hour	1,300	152	157	147	659 Globe St, Fall River, MA
	24-Hour	365	55	52	52	
	Annual	80	10	13	13	
PM ₁₀ <u>d/</u>	24-Hour	150	45	54	50	Vernon Street Trailer, Pawtucket, RI (2004-2005) 111 Dorrance St, Providence, RI (2006)
PM _{2.5}	24-Hour	35	26	22	25	659 Globe St, Fall River, MA
	Annual	15	10.3	10.1	8.1	
NO ₂	Annual	100	6	6	6	Fox Bottom Area, Truro, MA
CO	1-Hour	40,000	4,025	9,085	11,155	76 Dorrance St, Providence, RI
	8-Hour	10,000	2,875	2,875	2,300	
O ₃	8-hour	157 <u>e/</u>	141	171	174	Herring Creek Rd off State Rd at Aquinn, Oak Bluffs, MA
			169	176	159	Tarzwell Road, Narragansett, RI

a/ These data do not represent background concentrations in the Outer Continental Shelf area. Data from USEPA, 2007b.
b/ Highest second-high short-term (1-, 3-, 8- & 24-hour) and maximum annual average concentrations presented, except for 24-hour PM_{2.5}, which is the 98th percentile concentration, and 8-hour O₃, which is the highest fourth-highest concentration.
c/ Where multiple sites were approximately equal in distance to Nantucket Sound, all were evaluated and the highest value was presented into the table.
d/ Due to a lack of evidence linking health problems to long-term exposure to coarse particle pollution, the USEPA revoked the annual PM₁₀ standard in 2006 (effective December 17, 2006).
e/ The 8-hour ozone NAAQS is not to be exceeded on the highest fourth-highest 8-hour average during a three year period. The three year (2004-2006) highest fourth-highest 8-hour average at the Oak Bluffs ozone monitor was 162 $\mu\text{g}/\text{m}^3$, while the three year highest fourth-highest 8-hour ozone 8-hour average at the Narragansett ozone monitor was 168 $\mu\text{g}/\text{m}^3$.