NOX_{WM} =
$$(0.43) \frac{(1.505 + 0.979)}{(3.583 + 3.854)} + (0.57) \frac{(1.505 + 0.979)}{(3.577 + 3.854)} = 0.334$$
 grams per mile

(iii)

$$CO_{wm} = (0.43) \frac{18.983 + 0.365}{(3.583 + 3.854)} + (0.57) \frac{(3.696 + 0.365)}{(3.577 + 3.854)} = 1.43$$
 grams per mile

(iv)

$$\text{CO2}_{\text{wm}} = (0.43) \frac{(1353 + 1467)}{(3.583 + 3.854)} + (0.57) \frac{(1179 + 1467)}{(3.577 + 3.854)} = 366 \text{ grams per mile}$$

(v)

NMHCE_{wm} =
$$(0.43) \frac{(1.386 + 0.113)}{(3.583 + 3.854)} + (0.57) \frac{(0.426 + 0.113)}{(3.577 + 3.854)} = 0.128$$
 grams per mile

34. Section 86.509–90 of Subpart F is amended by revising paragraphs (a)(2)(i) through (a)(2)(iv), (a)(3), text of paragraph (a)(4) preceding the figure, paragraphs (b) introductory text, (b)(4), (b)(5), (b)(6), (c) introductory text, (c)(4) and (c)(5), (c)(6), and adding paragraphs (a)(5) and (d) to read as follows:

§86.509–90 Exhaust gas sampling system.

(a) * * *

(2) * * *

(i) Using a duct of unrestricted length maintained at a temperature above the maximum dew point of the exhaust, but below 121°C (250°F); heating and possibly cooling capabilities are required; or

(ii) Using a short duct (up to 12 feet long) constructed of smooth wall pipe with a minimum of flexible sections, maintained at a temperature above the maximum dew point of the exhaust, but below 121°C (250°F), prior to the test and during any breaks in the test and uninsulated during the test (insulation may remain in place and/or heating may occur during testing provided maximum temperature is not exceeded); or

(iii) Using smooth wall duct less than five feet long with no required heating. A maximum of two short flexible connectors are allowed under this option; or

(iv) Omitting the duct and performing the exhaust gas dilution function at the motorcycle tailpipe exit.

(3) *Positive displacement pump.* The Positive Displacement Pump-Constant Volume Sampler (PDP–CVS), Figure F90–1 satisfies the first condition by metering at a constant temperature and pressure through the pump. The total

volume is measured by counting the revolutions made by the calibrated positive displacement pump. The proportional samples are achieved by sampling at a constant flow rate. For methanol-fueled motorcycle sample lines for the methanol and formaldehyde samples are heated to prevent condensation. The temperature of the sample lines shall be more than 3 °C (5 °F) above the maximum dew point of the sample, but below 121 °C (250 °F). (Note: For 1990 through 1994 model year methanol-fueled motorcycles, methanol and formaldehyde sampling may be omitted provided the bag sample (hydrocarbons and methanol) is analyzed using a HFID calibrated with methanol.) BILLING CODE 6560-50-P