



## FORM 3: Periodic Monitoring Recordkeeping Form For Portable Analyzers

SCAQMD RULE 1110.2 Emissions from Gaseous and Liquid-Fueled Engines

<b>DATE:</b>	<b>TIME (start/stop):</b> /	<b>NAME:</b>
<b>FACILITY NAME:</b>		<b>ANALYZER (Make/Model):</b>
Facility ID Number:		Analyzer S/N:
Engine Name:		Date of Last Stability Check <sup>1</sup> :
Permit to Operate:		Date of Last Linearity Check <sup>2</sup> :
Application No.:		<small>1. Stability check must be conducted within 12 months of test date 2. Linearity check must be conducted within 12 months of test date</small>

**"As Found" Test Results**      Date: \_\_\_\_\_

Time Start: \_\_\_\_\_ Ambient Temperature (°F): \_\_\_\_\_

Time End: \_\_\_\_\_ Engine Hour Meter Reading: \_\_\_\_\_

Constituent	CO (ppm)	NO (ppm)	NO <sub>2</sub> (ppm)	O <sub>2</sub> (%)
Measured, C <sub>MEAS</sub> *				
Cal Adjusted, C <sub>CORR</sub>				

Example Calculation: 
$$C_{ADJ} = (C_{MEAS} - C_{CZ}) \times \left( \frac{C_{CAL}}{C_{CM} - C_{CZ}} \right)$$

Constituent	CO (ppm)	NO <sub>x</sub> (ppm)
C <sub>ADJ</sub> @ 15% O <sub>2</sub> , N		
Compliance Limit		
Difference		

**Engine Operating Conditions:**

**Calibration Results**

Date of Pre-Test Calibration: \_\_\_\_\_

Date of Post-Test Calibration: \_\_\_\_\_

Constituent	CO (ppm)	NO (ppm)	NO <sub>2</sub> (ppm)	O <sub>2</sub> (%)
Pre-Test Zero				
Post-Test Zero				
Mean Zero, C <sub>CZ</sub>				
Span Gas, C <sub>CAL</sub>				
Pre-Test Span				
Post-Test Span				
Mean Span, C <sub>CM</sub>				
Drift, %				

Drift Calculation is listed in Section 3.6, Periodic Monitoring Protocol

**"As Left" Test Results (if applicable)**      Date: \_\_\_\_\_

Time Start: \_\_\_\_\_ Ambient Temperature (°F): \_\_\_\_\_

Time End: \_\_\_\_\_ Engine Hour Meter Reading: \_\_\_\_\_

Constituent	CO (ppm)	NO (ppm)	NO <sub>2</sub> (ppm)	O <sub>2</sub> (%)
Measured, C <sub>MEAS</sub> *				
Cal Adjusted, C <sub>ADJ</sub>				

Constituent	CO (ppm)	NO <sub>x</sub> (ppm)
C <sub>ADJ</sub> @ 15% O <sub>2</sub> , N		
Compliance Limit		
Difference		

**Engine Operating Conditions:**

*Describe any engine or control system maintenance or tuning conducted after the "As Found" Test to bring the engine into compliance (attach additional documentation as necessary):*

*\* Attach printouts from the portable analyzer or the manual record of constituent concentrations during the test.*

**CERTIFICATION:** Based on the calibrations and measurements performed in accordance with this protocol, I certify that the statements and information contained in this report are true, accurate, complete and representative of the emissions from this source at the time of this test.

Test Conducted By \_\_\_\_\_

Signature \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_