



# FORM 3A: 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.

Test Conducted By

Signature

Title

Date