

FORM 3A: Periodic Monitoring Recordkeeping Form For Portable Analyzers

SCAQMD RULE 1110.2 Emissions from Gaseous and Liquid-Fueled Engines

DATE: TIME (sta	rt/stop): /	NAME:
FACILITY NAME:		ANALYZER (Make/Model):
Facility ID Number:		Analyzer S/N:
Engine Name:		Date of Last Stability Check ¹ :
Permit to Operate:		Date of Last Linearity Check ² :
Application No.:		Stability check must be conducted within 12 months of test date Linearity check must be conducted within 12 months of test date
"As Found" Test Results	Date:	Calibration Results
Time Start:	Ambient Temperature (⁰ F):	Date of Pre-Test Calibration:
Time End:	Engine Hour Meter Reading:	Date of Post-Test Calibration:
Constituent CO NO (ppm) (ppm)	NO ₂ O ₂ (ppm) (%)	Constituent
Measured, C _{MEAS*}		Pre-Test Zero
Cal Adjusted, C _{CORR}		Post-Test Zero
Example	<u> </u>	Mean Zero, C _{CZ}
Calculation: $C_{ADJ} = (C_{MEAS} - C_{CZ}) \times \left(\frac{C_{CZ}}{C_{CZ}}\right)$	CCAL CM-CCZ	Span Gas, C _{CAL}
		Pre-Test Span
	Engine Operating Conditions:	Post-Test Span
Constituent CO NO _x (ppm) (ppm)		Mean Span, C _{CM}
C _{ADJ} @ 15% O ₂ , N		Drift, %
Compliance Limit		Drift Calculation is listed in Section 3.6, Periodic Monitoroing Protocol
Difference		
	Date	Describe any engine or control system maintenance or tuning conducted after the
"As Left" Test Results (If applicable)	Date:	Describe any engine or control system maintenance or tuning conducted after the "As Found" Test to bring the engine into compliance (attach additional
"As Left" Test Results (If applicable) Time Start:	Date: Ambient Temperature (°F): Engine Hour Meter	
"As Left" Test Results (If applicable) Time Start: Time End:	Ambient Temperature (⁰ F): Engine Hour Meter Reading:	"As Found" Test to bring the engine into compliance (attach additional
"As Left" Test Results (If applicable) Time Start:	Ambient Temperature (⁰ F): Engine Hour Meter	"As Found" Test to bring the engine into compliance (attach additional
"As Left" Test Results (If applicable) Time Start: Time End:	Ambient Temperature (°F): Engine Hour Meter Reading: NO ₂ O ₂	"As Found" Test to bring the engine into compliance (attach additional
"As Left" Test Results (If applicable) Time Start: Time End: Constituent CO NO (ppm) (ppm)	Ambient Temperature (°F): Engine Hour Meter Reading: NO ₂ O ₂ (ppm) (%)	"As Found" Test to bring the engine into compliance (attach additional
"As Left" Test Results (If applicable) Time Start: Time End: Constituent CO (ppm) (ppm) Measured, C _{MEAS} .	Ambient Temperature (°F): Engine Hour Meter Reading: NO ₂ O ₂	"As Found" Test to bring the engine into compliance (attach additional
"As Left" Test Results (If applicable) Time Start: Time End: Constituent CO NO (ppm) (ppm) Measured, C _{MEAS} . Cal Adjusted, C _{ADJ} Constituent CO NO _x	Ambient Temperature (°F): Engine Hour Meter Reading: NO ₂ O ₂ (ppm) (%)	"As Found" Test to bring the engine into compliance (attach additional
"As Left" Test Results (If applicable) Time Start: Time End: Constituent CO (ppm) (ppm) Measured, C _{MEAS} . Cal Adjusted, C _{ADJ} Constituent CO (ppm) (ppm)	Ambient Temperature (°F): Engine Hour Meter Reading: NO ₂ O ₂ (ppm) (%)	"As Found" Test to bring the engine into compliance (attach additional
"As Left" Test Results (If applicable) Time Start: Time End: Constituent CO (ppm) (ppm) Measured, C _{MEAS} . Cal Adjusted, C _{ADJ} Constituent CO (ppm) (ppm) C _{ADJ} @ 15% O ₂ , N	Ambient Temperature (°F): Engine Hour Meter Reading: NO ₂ O ₂ (ppm) (%)	"As Found" Test to bring the engine into compliance (attach additional
"As Left" Test Results (If applicable) Time Start: Time End: Constituent CO (ppm) (ppm) Measured, C _{MEAS} . Cal Adjusted, C _{ADJ} Constituent CO (ppm) (ppm) C _{ADJ} @ 15% O ₂ , N Compliance Limit	Ambient Temperature (°F): Engine Hour Meter Reading: NO2 O2 (ppm) (%) Engine Operating Conditions:	"As Found" Test to bring the engine into compliance (attach additional documentation as necessary):
"As Left" Test Results (If applicable) Time Start: Time End: Constituent CO (ppm) (ppm) Measured, C _{MEAS} . Cal Adjusted, C _{ADJ} Constituent CO (ppm) (ppm) C _{ADJ} @ 15% O ₂ , N Compliance Limit Difference * Attach printouts from the portable analyzer of	Ambient Temperature (°F): Engine Hour Meter Reading: NO2 O2 (ppm) (%) Engine Operating Conditions: The manual record of constituent concentration and measurements performed in accordance with the manual recordance with the manual rec	"As Found" Test to bring the engine into compliance (attach additional documentation as necessary):
"As Left" Test Results (If applicable) Time Start: Time End: Constituent CO NO (ppm) (ppm) Measured, C _{MEAS} . Cal Adjusted, C _{ADJ} Constituent CO (ppm) (ppm) C _{ADJ} ② 15% O ₂ , N Compliance Limit Difference * Attach printouts from the portable analyzer of the calibrations are true, accurate, complete and representative	Ambient Temperature (°F): Engine Hour Meter Reading: NO2 O2 (ppm) (%) Engine Operating Conditions: The manual record of constituent concentration and measurements performed in accordance with the manual recordance with the manual rec	"As Found" Test to bring the engine into compliance (attach additional documentation as necessary): Institute the test. which is protocol, I certify that the statements and information contained in this report
"As Left" Test Results (If applicable) Time Start: Time End: Constituent CO NO (ppm) (ppm) Measured, C _{MEAS} . Cal Adjusted, C _{ADJ} Constituent CO NO _x (ppm) (ppm) C _{ADJ} @ 15% O ₂ , N Compliance Limit Difference * Attach printouts from the portable analyzer of CERTIFICATION: Based on the calibrations are	Ambient Temperature (°F): Engine Hour Meter Reading: NO2 O2 (ppm) (%) Engine Operating Conditions: The manual record of constituent concentration and measurements performed in accordance with the manual recordance with the manual rec	"As Found" Test to bring the engine into compliance (attach additional documentation as necessary): ms during the test.