



FORM 3B: Periodic Monitoring Recordkeeping Form For Portable Analyzers

SCAQMD RULES 1146 & 1146.1 Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters

DATE: _____	TIME (start/stop): _____ / _____	NAME: _____
FACILITY NAME: _____		ANALYZER (Make/Model): _____
Facility ID Number: _____		Analyzer S/N: _____
Boiler Name: _____		Date of Last Stability Check ¹ : _____
Permit to Operate: _____		Date of Last Linearity Check ² : _____
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: _____

Constituent	CO (ppm)	NO (ppm)	NO ₂ (ppm)	O ₂ (%)
Measured, C _{MEAS} *				
Cal Adjusted, C _{CORR}				

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

Constituent	CO (ppm)	NO _x (ppm)	Boiler Operating Conditions:
C _{ADJ} @ 3% O ₂ , N			
Compliance Limit			
Difference			

Calibration Results

Date of Pre-Test Calibration: _____

Date of Post-Test Calibration: _____

Constituent	CO (ppm)	NO (ppm)	NO ₂ (ppm)	O ₂ (%)
Pre-Test Zero				
Post-Test Zero				
Mean Zero, C _{CZ}				
Span Gas, C _{CAL}				
Pre-Test Span				
Post-Test Span				
Mean Span, C _{CM}				
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: _____

Constituent	CO (ppm)	NO (ppm)	NO ₂ (ppm)	O ₂ (%)
Measured, C _{MEAS} *				
Cal Adjusted, C _{ADJ}				

Constituent	CO (ppm)	NO _x (ppm)	Boiler Operating Conditions:
C _{ADJ} @ 3% O ₂ , N			
Compliance Limit			
Difference			

Describe any boiler or control system maintenance or tuning conducted after the "As Found" Test to bring the boiler 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 _____