



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

Title

Signature

Date