

**CALIFORNIA AIR RESOURCES BOARD
MONTHLY QUALITY MAINTENANCE CHECK SHEET
API MODEL 200A/E NO/NO₂/NO_x ANALYZER**

Location: _____ Month/Year: _____
 Station Number: _____ Technician: _____
 Property Number: _____ Agency: _____

Test Parameters		Readings			
	DATE				
TIME (PST)	Current time of day (HH:MM)				
RANGE	1000 ppb				
NO _x STABIL	< 1.0 with Zero Air (Record Only)				
SAMP FLOW*	500 ± 50 cc/min				
OZONE FLOW*	80 ± 15 cc/min				
PMT	0-5000 mV (Record Only)				
NORM PMT	0-5000 mV (Record Only)				
AZERO	Constant ± 20 mV				
HVPS	Constant (400 – 800 V 200E) Constant (400 – 900 V 200A)				
DCPS (200A Only)	2500 ± 200 mV				
RECELL TEMP	50 ± 1°C				
BOX TEMP	Station Temp ± 5°C				
PMT TEMP	7 ± 2°C				
MOLY TEMP	315 ± 5°C				
RCEL PRES	< 10 in-Hg-A – Constant ± 0.5				
SAMP PRES	Ambient ± 1 in-Hg				
NO _x SLOPE	1.0 ± 0.3 – No Changes				
NO _x OFFSET	-50 to +150 mV – No Changes				
NO SLOPE	1.0 ± 0.3 – No Changes				
NO OFFSET	-10 to +150 mV – No Changes				

* This observed flow value may need to be corrected for altitude.

OPERATOR INSTRUCTIONS:

1. Daily Checks: Review data and strip charts.
2. Weekly Checks: Record test parameters.
Change external 5µm PTFE particulate filter. Date: ____ / ____ / ____ / ____
3. Monthly: (200E Only) Change internal 1µm PTFE particulate filter**.
Date last performed: _____
4. Semi-Annual: Calibrate analyzer. Date last performed: _____
5. Annual: Replace 4 sets of Orifice O-Rings and sintered filters, ozone purifier, and pump charcoal filter
Date last performed: _____
6. As Required: Replace DFU at PermaPure dryer (200E).
Rebuild the pump. Date last performed: _____

** Internal filter required for API 200E Federal EPA Equivalency Designation.

Date	Comments or Maintenance Performed:

Reviewed by: _____ Date: _____