

**CALIFORNIA AIR RESOURCES BOARD  
MONTHLY QUALITY CONTROL MAINTENANCE CHECK SHEET  
MetOne FEM BAM-1020 PM-2.5 AIR SAMPLER**

Location: \_\_\_\_\_ Month/Year: \_\_\_\_\_  
 Station Number: \_\_\_\_\_ Technician: \_\_\_\_\_  
 Property Number: \_\_\_\_\_ Agency: \_\_\_\_\_

Operator Instructions:

- 1) Daily checks: Review station data logger values for correct operation of BAM-1020.
- 2) Weekly checks: Check filter tape & replace when necessary (approx. 2 months per roll).
- 3) Bi-weekly checks: Perform BAM-1020 flow and leak check.
- 4) Monthly checks: Complete and submit this Monthly Quality Control Check Sheet.  
 Thoroughly clean both PM2.5 SCC and PM10 FRM inlets.  
 Check pump muffler and replace when needed.  
 Download and submit data from BAM-1020 data logger.  
 ESC 8832/ESC 8816: High Output (E.U.s): \_\_\_\_\_ Low Output (E.U.s): \_\_\_\_\_  
 ESC 8800: Channel Intercept (Offset): \_\_\_\_\_
- 5) Semi-annual: Calibrate BAM-1020 Date last performed: \_\_\_\_\_
- 6) Annual: Run zero filters. Value of Zero Background: \_\_\_\_\_ Date last performed: \_\_\_\_\_  
 Record data logger settings for max and min values: \_\_\_\_\_

Bi-weekly Sampler Flow Rate, Ambient Temp and Pressure Check Results:

Date:	Sampler	Standard	Difference	Control Limits*
Flow Rate				16.00 to 17.34 L/min
Ambient Temp.				±2 °C
Ambient Press.				±10 mm Hg
Leak Check				< 1.0 L/min

Date:	Sample	Standard	Difference	Control Limits*
Flow Rate				16.00 to 17.34 L/min
Ambient Temp.				±2 °C
Ambient Press.				±10 mm Hg
Leak Check				< 1.0 L/min

Date:	Sample	Standard	Difference	Control Limits*
Flow Rate				16.00 to 17.34 L/min
Ambient Temp.				±2 °C
Ambient Press.				±10 mm Hg
Leak Check				< 1.0 L/min

\*If check exceeds limits, investigate to determine cause and repeat check immediately.  
 If second check also exceeds limits, request a re-calibration.

Transfer Standard Used

Make/Model	Serial/I.D.Number	Date Certified

Operator Comments:

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Reviewed by: \_\_\_\_\_ Date: \_\_\_\_\_