

FIELD TECHNICIAN QUICK-REFERENCE CHECKLIST

Continuous Beta Attenuation Mass Monitor (Met One BAM 1020 / E-BAM)

DOCUMENT TITLE:	Beta Attenuation Monitor Field Checklist	DOC NUMBER:	CHK-MET-PM-002
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Field Inspection & Audit Tasks

Step #	Verification / Service Task	Target Requirement / Parameter	Status
1	Filter Tape Roll Inspection	Verify filter tape supply > 25% remaining	☐ Pass ☐ Fail
2	Inlet & PM10/2.5 Head Cleaning	Clean PM10 inlet head & VSCC cyclone	☐ Pass ☐ Fail
3	Ambient Temperature Audit	Difference vs. reference < $\pm 2.1^{\circ}\text{C}$	☐ Pass ☐ Fail
4	Barometric Pressure Audit	Difference vs. reference < ± 10.1 mm Hg	☐ Pass ☐ Fail
5	Volumetric Flow Rate Audit	Flow = 16.67 L/min (diff < $\pm 2.1\%$)	☐ Pass ☐ Fail
6	System Vacuum Leak Check	Leak flow < 0.30 L/min at 15" Hg	☐ Pass ☐ Fail
7	Nozzle & Vane Cleaning	Wipe nozzle face & tape path with alcohol	☐ Pass ☐ Fail
8	Zero Membrane Foil Check	Foil density response within $\pm 5\%$ of spec	☐ Pass ☐ Fail
9	Vacuum Pump Vane Inspection	Inspect internal pump vanes & exhaust tubing	☐ Pass ☐ Fail
10	Data Clock & Return to Service	Sync datalogger time; verify error log clear	☐ Pass ☐ Fail

Field Technician Notes & Site Observations

Record flow standard model/serial, pre/post leak rates, foil mass density error %, and filter tape batch number:

PREPARED & APPROVED BY:	Kadeem Manning Lead Field Specialist & QA Lead	SIGNATURE: _____ —	DATE: _____ _____
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