

## Summary of AURN Site Visit

<b>To</b>	CMCU Casella Stanger	QA/QC Unit <b>netcen</b>
<b>FAO</b>	Duncan Pritchard-Davies	Geoff Broughton
<b>Fax No.</b>	0207 261 1425	0870 190 6610
<b>From</b>		

AURN Site Name \_\_\_\_\_

Name of LSO/ESU \_\_\_\_\_

Date of visit \_\_\_\_\_

Reason For visit (please tick ✓)

LSO Routine Cal.	
LSO Call-Out	
ESU Call-Out	
Service	
Other	

Other (please specify)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Equipment Attended to: (please tick ✓)

	Fault on Arrival	Attended to	Fault on Leaving
All			
NOx Analyser			
O3 Analyser			
CO Analyser			
SO2 Analyser			
PM10 Monitor			
Air Con. Unit			
Other			

Other (please specify)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

PRECALIBRATION CHECKLIST		Page 1 of 3
<p><u>(v) TEOM Particulate Monitor</u></p> <p>POWER light on <input type="checkbox"/></p> <p>STATUS light off <input type="checkbox"/></p> <p>Current status code -----</p> <p>Current operating mode -----</p> <p>Percentage of filter lifetime used -----</p> <p>Current RS-232 mode -----</p> <p>Current time -----</p> <p>Mass conc -----</p> <p>30-Min MC -----</p> <p>01-Hr MC -----</p> <p>08-HR MC -----</p> <p>24-HR MC -----</p> <p>Total mass -----</p> <p>Case temp -----</p> <p>Air Temp -----</p> <p>Cap temp -----</p> <p>Encl temp -----</p> <p>Main flow -----</p> <p>Aux flow -----</p> <p>Ave temp -----</p> <p>Ave pres -----</p> <p>Noise -----</p> <p>Frequency -----</p> <p>Model 1400 E only</p>	<p><u>(vii) Modem</u></p> <p>Modem lights on <input type="checkbox"/></p>	
	<p><u>(viii) Data Logger</u></p> <p>Clock in upper right hand side of display shows correct time <u>GMT</u> to within 5 mins <input type="checkbox"/></p> <p>Clock on small LCD above data cartridge agrees with display clock <input type="checkbox"/></p> <p>"Reading 10 second values" message appears <input type="checkbox"/></p> <p>All status entries are "OK" <input type="checkbox"/></p>	
	<p><u>(ix) Chart Recorder</u></p> <p>RCD light on <input type="checkbox"/></p> <p>All traces clear on chart <input type="checkbox"/></p> <p>Chart paper not jammed <input type="checkbox"/></p> <p>'BAT' indicator not illuminated <input type="checkbox"/></p>	
	<p>K</p>	
<p><u>(xi) Completion of Precalibration Check</u></p> <p>If any tick check is not correct, inform the CMCU before proceeding with the instrument calibration.</p> <p>If all are correct, proceed to change the TEOM filter (if required).</p>		
<p>Comments:</p>		



POSTCALIBRATION CHECKS, SAFETY AND SECURITY INSPECTION		Page 3 of 3
<p><u>(v) TEOM Particulate Monitor</u></p> <p>Filter changed <input type="checkbox"/></p> <p>POWER light on -----</p> <p>STATUS light off -----</p> <p>Current status code -----</p> <p>Current operating mode -----</p> <p>Percentage of filter lifetime used -----</p> <p>Current RS-232 mode -----</p> <p>Current time -----</p> <p>Mass conc -----</p> <p>30-Min MC -----</p> <p>01-Hr MC -----</p> <p>08-HR MC -----</p> <p>24-HR MC -----</p> <p>Total mass -----</p> <p>Case temp -----</p> <p>Air Temp -----</p> <p>Cap temp -----</p> <p>Encl temp -----</p> <p>Main flow -----</p> <p>Aux flow -----</p> <p>Ave temp -----</p> <p>Ave pres -----</p> <p>Noise -----</p> <p>Frequency -----</p>	<p><u>(vi) Air Sampling Manifold</u></p> <p>Manifold intact <input type="checkbox"/></p> <p>Manifold fan running <input type="checkbox"/></p> <p>Instrument sample inlets secure and tight <input type="checkbox"/></p>	
	<p><u>(vii) Modem</u></p> <p>Modem lights on <input type="checkbox"/></p>	
	<p><u>(viii) Data Logger</u></p> <p>Clock in upper right hand side of display shows correct time <u>GMT</u> to within 5 mins <input type="checkbox"/></p> <p>Clock on small LCD above data cartridge agrees with display clock <input type="checkbox"/></p> <p>"Reading 10 second values" message appears <input type="checkbox"/></p> <p>All status entries are "OK" <input type="checkbox"/></p>	
<p><u>TEOM Noise on Chart</u></p> <p>Peak-to-peak noise in vertical divisions on chart trace: -----</p> <p>If greater than 7 divisions (<math>60 \mu\text{gm}^3</math>) refer to Section A.4</p>	<p><u>(ix) Chart Recorder</u></p> <p>RCD light on <input type="checkbox"/></p> <p>'BAT' indication not illuminated <input type="checkbox"/></p> <p>All traces clear on chart <input type="checkbox"/></p> <p>Chart paper not jammed <input type="checkbox"/></p> <p>All traces normal (see section 9.6) <input type="checkbox"/></p> <p>Auto Cal traces OK <input type="checkbox"/></p>	
<p><u>(x) Final Checks</u></p> <p>All status switches reset to off <input type="checkbox"/></p> <p><b>Calibration end time ----- GMT/BST</b></p> <p>Safety and security check of cabinet:</p> <p>Roof clear and ladder stowed <input type="checkbox"/></p> <p>Cabinet clean and tidy <input type="checkbox"/></p> <p><b>Fax all check and calibration sheets <u>TODAY</u> to Casella Stanger (CMCU):0207 261 1425 and netcen (QA/QC Unit):0870 190 6610</b></p>		
<p>Comments:</p>		