

State of Vermont Datamaster DMT Annual PM Tickets and Programming

- 1) The DMT Annual Preventative Maintenance (APM) will not be very different from the current DataMaster.
- 2) The Need to go to each instrument on at least a Yearly Basis will still be needed.
 - a. The need for Physical inspection of the area
 - b. Checking the Simulator temperature
 - c. Changing the Simulator O-Ring
 - d. Electrical Connections
 - e. Vapor Hose Connections
 - f. More
- 3) I would like to make some changes and Additions to the Diagnostic Test Ticket from the NPAS current Rev.
 - a. All the Information from the Subject Test Ticket in the Header needs to be placed on the Diagnostic Test Ticket.
 - i. Data
 - ii. Time
 - iii. Serial number
 - iv. Certification Date
 - v. Install Date
 - vi. Agency Location
 - vii. ECT.
 - b. The Versions Information is Fine as is.
 - c. Temperatures Information
 - i. Sample Chamber
 1. Added: acceptable ranges Printed next to it
 - ii. Breath Tube
 1. Added: acceptable ranges Printed next to it
 - iii. Simulator Hose
 1. Added: acceptable ranges Printed next to it
 - iv. Simulator Temperature
 1. Added: acceptable ranges Printed next to it
 - d. Voltages
 - i. Lamp Voltage
 1. Added: Voltage at time of calibration and Acceptable Ranges printed next to it.
 - ii. Cooler Voltage
 1. Added: Voltage at time of calibration and Acceptable Ranges printed next to it.
 - iii. Bias Voltage
 1. Added: Voltage at time of calibration and Acceptable Ranges printed next to it.
 - iv. Chopper Frequency
 1. Added: Voltage at time of calibration and Acceptable Ranges printed next to it.
 - e. Pump Test

- i. Volume
 - 1. Added: acceptable ranges Printed next to it
 - ii. Flow Rate
 - 1. Added: acceptable ranges Printed next to it
 - f. Detector Stability Test
 - 1. Added: acceptable ranges Printed next to it
 - g. Filter test
 - 1. Added: acceptable ranges Printed next to it
 - h. Internal Standard (Reference)
 - i. $Xq = x.xxxx \ y.yy\%$
 - 1. Added: acceptable ranges Printed next to it
 - 2. Added: Value at time of Calibration
- 4) During the Current APM there is a Subject Sample ticket that is Run
- a. Will be done with new instrument
 - b. Fifteen Min wait time WILL NOT BE Activated.
 - c. 2 test sequence
 - d. Information will be preprogrammed in once Test is placed for the last name AND APM is placed for the first name.
- 5) I have placed a copy that is marked up of our current APM below.

Mark each process completed.

- _____ Check Simulator Motor
 - _____ Check Simulator Temperature
 - ~~_____ Check Chassis Exhaust Fan~~
 - _____ Replace Simulator Jar O-Ring
 - _____ Pressure Check of Simulator.
 - ~~_____ Vacuum inside of instrument as needed.~~
 - ~~_____ Check flow thermistor for debris and clean as needed.~~
 - _____ Check that Breath Tube is warm to touch.
 - _____ Check 5-way valve
 - _____ Check cable/tubing connections
 - ~~_____ Lubricate Printer Worm gear~~
 - _____ Check Simulator Motor
 - _____ Visual Check of Instrument surroundings
 - _____ Check Electrical Voltages **This Will be done on the Diag Ticket.**
 - _____ Run tests: meets all parameters
 - _____ Check Quality of Printouts
 - _____ Tickets attached to Annual Site Visit Preventive Maintenance Check List [ALC804 Rev 0 9/99].
 - _____ BAC DataMaster Check-up and Maintenance Log [ALC 803 Rev 01] located in on-site Instrument Logbook completed.
 - _____ BAC DataMaster Operator Use Log [ALC 603 Rev 01] located in on-site Instrument Logbook completed.
 - _____ Review logbook
- Indicate Y or N: Y= Yes; N= No**
- _____ Provided Operator Use Log blanks
 - _____ Provided Check-up and Maintenance blanks

_____ Check Supplies
Indicate Y or N: Y= Yes; N= No
_____ Provided mouthpieces: QTY: _____
_____ ~~Provided evidentiary tickets: QTY: _____~~
_____ Provided Simulator solution: QTY: _____

Indicate Y or N: Y= Yes; N= No
_____ Additional service/repair work was performed.
Use the Space Below to Document what additional work was done (If any).

Attach a TSI as Necessary.

_____/_____/_____
Performed By

Date

6. Annual Preventative Maintenance Checklist (DMT Rev) can be printed off the DMT.

7. Other necessary Forms can Be Printed off the DMT by the supervisor.