

To: Robert Drawbaugh, Toxicology Program Chief

From: Steven Harnois, Public Health Electronics Technician

Date: April 17, 2006

Re: Recommendation of Instrument to be used for the DataMaster Replacement Project.

After testing four instruments as possible replacements for the National Patent Analytical Systems, Inc. (NPAS) BAC DataMaster being used now in the State of Vermont; I would like to recommend the National Patent Analytical Systems, Inc. (NPAS) DataMaster DMT as the replacement of choice.

The NPAS DataMaster DMT has many attributes that contribute to my recommendation for the new instrument for the State of Vermont. Listed below are some of the major points.

- 1) The analytical portion of the instrument utilizes the same infrared technology as the State of Vermont currently employs.
- 2) During testing at the State of Vermont Public Health Laboratory, the NPAS DataMaster DMT instrument provided results as good or better than any other instrument tested for accuracy, linearity, repeatability, and interferent detection.
- 3) The NPAS DataMaster DMT instrument's use is enhanced by;
 - a. The user interface, touch screen display.
 - b. Use of pull-down menus embedded in the Windows based operating system.
 - c. Its ability to communicate using standard computer software.
- 4) The DataMaster DMT is maintenance friendly. It has a component lay out that is easier to open and perform maintenance on than any of the other instruments tested. Some parts and components are already in our inventory because of use in the current DataMaster. The NPAS DataMaster DMT is a truly modular instrument, and most components inside the instrument can be replaced without disturbing the analytical portion of the instrument reducing the need for recalibration, and enhancing instrument usability. None of the other instruments that were tested and inspected were easily accessible or modular in construction.
- 5) Customer support was tested by calling the company, who owned the instrument, and requesting support and using the operator's manual. The only company that did not falter on their customer support was NPAS. The other companies were slow to return phone calls, and in one case did not return a phone call and had to be called again before a question could be answered. The most useful operator's manual was provided by NPAS, many phone calls were avoided by using the NPAS DataMaster DMT literature.

The NPAS DataMaster DMT is my recommendation to replace the aging BAC DataMaster and will become the new cornerstone of the State of Vermont Evidential Breath Testing Program.

Respectfully submitted.

Steven Harnois
Public Health Electronics Technician