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MEMORANDUM

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**TO:** TRAINING RECORDS/QA PROGRAM   
**FROM:** TRISHA CONTI, SENIOR FORENSIC CHEMIST, ALCOHOL PROGRAM SUPERVISOR   
**SUBJECT:** BREATH ALCOHOL/DMT QUALIFICATION  
**DATE:** 9/24/2013

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This memo qualifies Rebecca Mead as an analyst in the breath alcohol/DMT portion of the Alcohol Program. Specifically, this memo approves Rebecca Mead for the in house testing procedures for the DataMaster DMT instruments at the Vermont Forensic Laboratory. I, Trisha Conti, showed her the manual with the protocols, the location of the supplies and the forms that need to be filled out and retained for each DMT instrument. Rebecca has performed the following procedures as described in the VFL-approved DataMaster DMT Alcohol Manual: Power Up, Calibration, Certification, Installation, Routine Performance Check (and review), Installation and Annual Preventative Maintenance. Rebecca has attended the DataMaster DMT Operator Course and the DataMaster DMT Supervisor & Record Administrator Training provided by the Alcohol Program Staff of the Vermont Forensic Laboratory. In addition, Rebecca has observed Site Evaluations in the presence of Robert Driscoll. On July 22<sup>nd</sup> and 23<sup>rd</sup> of this year, Rebecca attended an advanced training course provided by David Radomski, the Vice President of National Patent Analytical Systems, Inc. (NPAS), on DataMaster DMT Theory of Operation, Supervisory Functions and Maintenance and Repair. Subsequent to this training, Rebecca performed testing on an instrument to prepare it for deployment into the field and passed a written competency test. Based on the training Rebecca has received by NPAS and Alcohol Program Staff at the Vermont Forensic Laboratory, I qualify her to perform in house testing and maintenance on the DataMaster DMT instruments at the Vermont Forensic Laboratory.

This memo also serves to document the training and qualification of Rebecca Mead in the generation of relation back (i.e. retrograde extrapolation) and case-specific affidavits for breath alcohol results at the Vermont Forensic Laboratory. I, Trisha Conti, along with Amanda Bolduc trained Rebecca in these techniques from August 1, 2013 through September 10, 2013. Rebecca has completed the following:

- Read the current procedures.
- Observed the procedures performed by a trained analyst.
- Under the supervision of a trained analyst, prepared ten relation back affidavits for breath alcohol results from past cases.

- Independently, prepared ten relation back affidavits for breath alcohol results from past cases.
- Under the supervision of a trained analyst, prepared five case-specific affidavits for breath alcohol results from past cases.
- Independently, prepared five case-specific affidavits for breath alcohol results from past cases.

The results Rebecca obtained are consistent with previous results. Therefore, Rebecca has demonstrated competency to generate valid relation back and case-specific affidavits from breath alcohol cases. I, Trisha Conti, have also trained Rebecca in the requirements for adequate review of affidavits for breath alcohol cases. By way of her educational background, professional training at the Borkenstein Course, knowledge of methods and calculations used in the field of alcohol determination, Rebecca is competent to perform these calculations and evaluations. Rebecca is qualified to generate relation back and case-specific affidavits for breath alcohol cases and to review similar affidavits prior to release.

On September 23<sup>rd</sup>, 2013, Rebecca successfully completed a mock trial as the final step of her training in the Alcohol Program. She provided expert witness testimony regarding breath alcohol results from the DataMaster DMT. In addition, she performed relation back calculations based on the result and the facts of the case. Rebecca presented comprehensive and accurate responses for both the prosecution and defense, roles played by Traffic Safety Resource Prosecutor Greg Nagurney.