MEMORANDUM

DATE: 11/2/04

TO: Applied Electronics
448 Grand Avenue
Eagle, Colorado 81631

FROM: Irene Doran
Criminalist/QAS
Tucson Police Department
Crime Laboratory
270 S. Stone Avenue
Tucson, AZ 85701-1917
(520) 791-4494

SUBJECT: Intoxilyzer Repair and Maintenance

Enclosed is Intoxilyzer [redacted].

The sample chamber was flooded. The instrument was purged and the monthly check was completed.

Please optimize the DVM. It is reading on the high end, probably due to dirty lenses.

Thank you.

CUSTOMER SERVICE REPORT

RECEIVED FROM		DATE 11-9-04	SHIP TO	
CUSTOMER Tucson Police Dept		REC'D VIA UPS	CUSTOMER	
DEPT.			DEPT.	
STREET 270 S. Stone Ave		COD CHARGE	STREET	
CITY Tucson			CITY	
STATE AZ	ZIP 85701	P.O. NO.	STATE	ZIP
ATTEN:			ATTEN:	
PHONE ( )			PHONE ( )	

EQUIPMENT RECEIVED INVENTORY

MODEL 5000		CARRYING CASE ☐		EXTENSION CABLE ☐		KEYBOARD/CABLE None ☐	
SERIAL NO. 64-003303		ECM CABLE ☐		TUNING FORK POUCH ☐		PAT BOX ☐	
ANTENNA SER.NO.		REMOTE LOCK ☐		TUNING FORK POUCH ☐		SIMULATOR ☐	
ANTENNA SER.NO.		DASH BRACKET ☐		BATTERY PACK ☐		BREATH TUBE ☒	
E.C.M./VM SER.NO.		DECK BRACKET ☐		BATTERY CHARGER ☐		☐	
TUNING FORK SER.NO.		BAIL BRACKET ☐		A/C POWER CORD None ☐		☐	
TUNING FORK SER.NO.							
MISC.SER.NO.							

CUSTOMER COMPLAINT / SERVICE REQUESTED

Sample Chamber has been flooded. Cal. Presultes slightly high

CORRECTIVE ACTION TAKEN

Cleaned Sample Chamber, Replaced lenses and gaskets. Cleaned internal plumbing. Replaced Check Valves. Cleaned filter wheel and printer. Certified Calibration

DESCRIPTION OF CHARGES	PART NO.	QTY	UNIT PRICE	TOTAL
Lens	160012	2		
Gasket	470088	4		
Check Valve	410047	2		
Calibration Cert		1		
			TOTAL PARTS	
3.0 Hrs			TOTAL LABOR	
			TAX	
45 LBS			INSURANCE/SHIPPING/HANDLING	
			TOTAL	

FACTORY AUTHORIZED WARRANTY
SERVICE FACILITY FOR ALL
CMI AND MPH PRODUCTS

APPLIED ELECTRONICS, INC.
448 GRAND AVE. • P.O. BOX 658 • EAGLE, CO 81631 • Phone: (970) 328-5[illegible]

APPLIED ELECTRONICS Inc.

~~55 EAGLE PARK EAST DRIVE~~ 1145 GRAND AVE. • P.O. BOX [illegible] • EAGLE, CO 81631 Phone: (970) 328-5420

STATEMENT OF SERVICE WARRANTY

Applied Electronics warrants that any component having been replaced, to be free of defects in material and workmanship for a period of 90 days from date of delivery to its customer. This warranty is limited to only components that have been replaced during the repair of your product. Applied Electronics obligation is limited to repairing or replacing as we may elect of any component covered under this service warranty.

Any parts or components considered covered by this warranty shall be returned freight prepaid to Applied Electronics. Return freight shall be paid by Applied Electronics.

This warrnaty may be voided if the product has been adversely effected or tampered with in any way.

This service warranty is separate from the original manufacturers warranty. In no event shall Applied Electronics be liable for any loss or damages arising out of any such defective component or workmanship

CERTIFICATE OF CALIBRATION

This is to certify that the calibration of INTOXILYZER®
serial number 64-003303*, was tested and found to be in compliance*
with the National Highway Traffic Safety Administration Standard
for Devices to Measure Breath Alcohol
(3.8 F.R., No. 212 30459-30463 Nov. 5, 1973.)

Date Nov 16, 2004 Signed [signature]
Technician

APPLIED ELECTRONICS

Factory Authorized Service Facility For CMI/MPH Products

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EXHIBIT Q

THIS REPORT PREPARED PURSUANT TO DUTY IMPOSED BY
A.A.C. R9-14-404(A)

ARIZONA DEPARTMENT OF HEALTH SERVICES

STANDARD QUALITY ASSURANCE PROCEDURES
INTOXILYZER MODEL 5000*

AGENCY Tucson Police QA SPECIALIST Irene Doran 46331
(Print Name)

INTOXILYZER SERIAL # 64-003303 (#16) LOCATION LAB
DATE November 22 ~~18~~ 2004 TIME 1300

___ Display reads "READY TO START" or "PUSH BUTTON TO START TEST."

DIAGNOSTIC TESTS

___ DVM Test check. Setting should be between .200 and .600. Mode selection switch S2 on, S1 and S3 off or keyboard menu selection "H". Reading is .350.

___ Display Test check. Mode selection switch S1 on and S2 and S3 off or keyboard menu selection "V".

___ Printer Test check. Mode selection switch S1, S2, S3 off or keyboard menu selection "P".

___ Clock time check. Mode selection switch S10 on or keyboard menu selection "E".

___ Date check. Mode selection switch S11 on or keyboard menu selection "E".

OPERATIONAL TESTS

___ Alcohol free subject Test result 0.000 AC

___ Error recognition logic system functioning
Invalid test printed

___ Proper sample recognition system
Invalid sample printed ___
Deficient sample printed ___

N/A Completeness of sample purge with collection tube**

___ Calibration standard 0.080 AC
Results: 0.077AC + 0.078AC

Instrument operating properly and accurately. YES ✓ NO___

COMMENTS: _____

SIGNATURE Irene Doran

0.N/A alcohol concentration standard collected for subsequent analysis.**

*WITH OR WITHOUT VAPOR RECIRCULATION AND WITH OR WITHOUT KEYBOARD
**THIS STEP IS ONLY REQUIRED IF THIS DEVICE IS BEING USED FOR SAMPLE CAPTURE.

DHS/DSLS/Form C117(Rev.7-93)

SN 64-003303 #16 11/22/04
E47.04 14:20
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE
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HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
HHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH
Q307 |----------
Q306 |----------
Q305 |----------
Q302 |----------
Q303 |----------
Q304 |----------
Q301 |----------

SUBJECT'S NAME

LAB
INSTRUMENT LOCATION

TIME FIRST OBSERVED

46331
OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER® INSTRUMENT PRINTER CARD

CMI INC

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PA

#16

CMI INC
INTOXILYZER - ALCOHOL ANALYZER
AZ MODEL 5000 SN 64-003303
11/22/04

TEST	BAC VALUE	TIME
AIR BLANK	.000	14:21
SUBJECT TEST	.000	14:21
AIR BLANK	.000	14:21

DVM= .350

SUBJECT'S NAME

LAB
INSTRUMENT LOCATION

TIME FIRST OBSERVED

46331
OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER® INSTRUMENT PRINTER CARD

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CMI INC
INTOXILYZER - ALCOHOL ANALYZER
AZ MODEL 5000 SN 64-003303
11/22/04

#16

TEST	BAC VALUE	TIME
AIR BLANK	.000	14:25
CAL. CHECK	.077	14:26
AIR BLANK	.000	14:26

SUBJECT'S NAME

LAB

TIME FIRST OBSERVED INSTRUMENT LOCATION

46331

OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER® INSTRUMENT PRINTER CARD

CMI INC

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CMI INC
INTOXILYZER - ALCOHOL ANALYZER
AZ MODEL 5000 SN 64-003303
11/22/04

#16

TEST	BAC VALUE	TIME
AIR BLANK	.000	14:27
CAL. CHECK	.078	14:27
AIR BLANK	.000	14:28

SUBJECT'S NAME

LAB

TIME FIRST OBSERVED INSTRUMENT LOCATION

46331

OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER® INSTRUMENT PRINTER CARD

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Tucson Police Department Crime Laboratory

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SN 64-003303 #16 11/22/94
E47.04 14:29
INVALID TEST
SAMPLE INTRODUCED
AT IMPROPER TIME.

SUBJECT'S NAME

LAB
INSTRUMENT LOCATION

TIME FIRST OBSERVED

46331
OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

CMI INC

INTOXILYZER® INSTRUMENT PRINTER CARD

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EXHIBIT P

THIS REPORT PREPARED PURSUANT TO DUTY IMPOSED BY
A.A.C. R9-14-404(A)

ARIZONA DEPARTMENT OF HEALTH SERVICES

STANDARD QUALITY ASSURANCE PROCEDURES
INTOXILYZER MODEL 5000*

STANDARD CALIBRATION CHECK PROCEDURE

Agency Tucson Police Department Date 11/22/04 Time 1300
Intoxilyzer Serial# 64-003303(#16) Location LAB
QA Specialist Irene Doran 46331
(Print Name)

(✓) 1. Pour a standard alcohol solution of known value into a clean dry simulator jar and assemble the simulator. Insure that a tight seal has been made.
Standard value: 0.080 AC

(✓) 2. Turn on the simulator and allow the temperature to reach 34°C±.2°C.

(✓) 3. Set Intoxilyzer mode selection in the ACA mode by switching mode selection switch #9 on or selecting "C" on keyboard menu.

(✓) 4. Attach simulator to the simulator entrance port on the Intoxilyzer.

(✓) 5. Intoxilyzer 5000 display reads "READY TO START" or "PUSH BUTTON".

(✓) 6. Push Start Test button or press enter on keyboard.

(✓) 7. Insert card in response to display.

(✓) 8. Air blank completed.

(✓) 9. Calibration check completed.
Test results 0.077 & 0.078 AC

(✓) 10. Air blank completed.

(✓) 11. When display reads Test Complete remove evidence card. Attach the card to the completed checklist.

(✓) 12. Return mode selection switch #9 to off position after all calibration checks are complete or type Q and enter on keyboard.

SIGNATURE Irene Doran

*WITH OR WITHOUT VAPOR RECIRCULATION AND WITH OR WITHOUT KEYBOARD

DHS/DSLS/Form C116 (Rev.7-93)

CMI INC
INTOXILYZER - ALCOHOL ANALYZER
AZ MODEL 5000 SN 64-003303
11/22/04 #16

TEST	BAC VALUE	TIME
AIR BLANK	.000	14:30
INVALID SAMPLE	.XXX	14:30
AIR BLANK	.000	14:30

SUBJECT'S NAME

LAB
INSTRUMENT LOCATION

TIME FIRST OBSERVED

46331
OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

sweet breath

INTOXILYZER® INSTRUMENT PRINTER CARD

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CMI INC
INTOXILYZER - ALCOHOL ANALYZER
AZ MODEL 5000 SN 64-003303
11/22/04 #16

TEST	BAC VALUE	TIME
AIR BLANK	.000	14:31
*SUBJECT TEST	.289	14:33
AIR BLANK	.000	14:33

* DEFICIENT SAMPLE - VALUE PRINTED WAS HIGHEST OBTAINED.

SUBJECT'S NAME

LAB
INSTRUMENT LOCATION

TIME FIRST OBSERVED

46331
OPERATOR

ADDITIONAL INFORMATION AND/OR REMARKS

INTOXILYZER® INSTRUMENT PRINTER CARD

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