

**Shanahan, Jake**

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**From:** Murphey, Glen <gmurphey@cityofdb.org>  
**Sent:** Thursday, November 17, 2016 1:11 AM  
**To:** Shanahan, Jake  
**Subject:** Intox Monthly and placed back in Service

Mr. Shanahan, so I received the intox back last Friday. I had sent two of my simulators out to Tech-Source for repair and had been notified by Hal they were shipped on Thursday.

I attempted to place the intox back in service this morning by doing a maint. on it. I used the two (2) simulators that I had received back from Tech-Source. The simulators are marked so that I use the same simulator every time. The two (2) simulators in question were the Int. Detected and the 0.05.

The simulators marked 0.08 and 0.20 were going to be sent in for calibration after I received these two back.

The monthly was going smooth other then I keyed up my portable when called and RFI on the water (alcohol free) solution. The Int. Det. returned good as well. The 0.05 gave a solid 0.050 but Int. Detected. I changed out the simulator with the Int. Detected simulator after cleaning it and letting it reheat and repeated the test. Again, the 0.05 gave a solid reading of 0.049 on the screen and then alarmed Int. Det. again.

I stopped at that point and of course the monthly failed. The only contributing factor here was the two (2) simulators that just returned on Monday from repair. So I decided to check the simulators by process of elimination doing stability test.

I tested the 0.80 simulator running 3 test just as I would in a monthly. This simulator was not repaired. It passed!!

I tested the 0.20 simulator running 3 test and it too passed, using a non-repaired simulator.

I retested the 0.05 using the Int. Det. simulator and again solid 0.049 to 0.050 on all three test but it Int. Detected all three (3) times.

So cleaned my 0.20 simulator and changed out the Int. Detected simulator and re-ran the 0.05 test. IT PASSED!!

So through process of elimination I know the solution bottle is good and that I have an issue with the two (2) repaired simulators. I will be sending them back to Tech-Source tomorrow along with copies of the stability test so Hal can see it. His paperwork presented to me shows the simulators tested perfect so I'm not sure what has happen.

I will be re-doing the monthly intox tonight using just 3 simulators since I have been able to determine the issue is with the simulators and not instrument related of solution related.

Sorry for the long email just wanted to be on point with what occurred and why I re-did the monthly inspection.

80-001242

Thank You,

David "Glen" Murphey Sr.  
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**Jacobs, Jennifer**

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**From:** Murphey, Glen <gmurphey@cityofdb.org>  
**Sent:** Thursday, December 31, 2015 7:06 PM  
**To:** Shanahan, Jake  
**Cc:** Jacobs, Jennifer  
**Subject:** Monthly Inspection Issue

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**FDLE**  
**Alcohol Testing Program**

I was doing my Monthly Inspection tonight and ran into some small but interesting challenges.

1st attempted failed at the .05 solution 0.000 reading. I figured it was a air leak, rechecked everything and re-ran the test. I was able to reach .043, .044 and .045 on 2nd attempt. Overall Inspection failed.

I changed out the simulator between test #1 and #2 as well just to be sure.

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I conducted a more detailed inspection of the simulator and found a small cut in the "O" ring gasket where the heating unit connects to the jar on a GUTH simulator. I didn't notice the 1st time when is was moist. I replaced the "O" ring and restarted the Inspection after waiting a full 40 minutes.

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2nd Inspection went fine and passed but again on the .05 solution (Lot#201411K) it started its reading at .028 and just reached .046 as the timer ran out. I honestly believe the solution might have been weak as well which is why I never reached it on the 2nd attempt on the 1st inspection.

I'm just letting you know as required of my findings and action taken to justify the 2nd inspection. I have also packaged both simulators to be shipped to Source-Tech to be re-calibrated since they are due in October anyways and to have a maintenance performed on them to double check.

Thank you and HAPPY HOLIDAYS!

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