

From: [Shekter Smith, Liane \(DEQ\)](#)
To: [Busch, Stephen \(DEQ\)](#); [Wurfel, Brad \(DEQ\)](#); [Benzie, Richard \(DEQ\)](#)
Subject: Re: lead sampling instructions
Date: Wednesday, September 23, 2015 9:15:58 AM

Brad - sharing this response from Steve as this question seemed to be causing a bit of confusion yesterday on our call. It may be something that we need to address in other forums.

From: Busch, Stephen (DEQ)
Sent: Wednesday, September 23, 2015 9:10 AM
To: Dykema, Linda D. (DCH)
Cc: Shekter Smith, Liane (DEQ); Groetsch, Kory J. (DCH)
Subject: RE: lead sampling instructions

The 36 ME is a general metals sample and would include lead, or as noted if lead or arsenic is the only metal requested it can be done at a lower cost \$18 vs. \$102. This is used at entry points to distribution systems, i.e. the finished water plant tap of a water treatment plant. The flushing described is used to ensure water quality is representative of the public water system. It is not a first draw sample.

A 36 CC is used specifically for customer tap lead and copper monitoring in accordance with the lead and copper rule. As indicated in the lab sheet it asks for a minimum 6 hour stagnation period, preservation within 14 days and a first draw sample, no flushing.

Here is the full lab analysis fee sheet showing all the types of requests not just the common ones.
http://michigan.gov/documents/deq/DEQ-RRD-LSS-EQP2301_454667_7.pdf?20150923084920

and the bottle requisition form linked below. Note the two bottles 36ME and 36CC are very different. If the lab had a request for the first draw lead and copper analysis on a metals bottle that was submitted it wouldn't be run and vice versa.

http://michigan.gov/documents/deq/DEQ-RRD-LSS-EQP2301_ORDER_462884_7.pdf?20150923084920

Stephen Busch, P.E.
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From: Dykema, Linda D. (DCH)

Sent: Tuesday, September 22, 2015 3:40 PM
 To: Busch, Stephen (DEQ)
 Cc: Shekter Smith, Liane (DEQ); Groetsch, Kory J. (DCH)
 Subject: RE: lead sampling instructions

Would you explain the difference between 36ME and 36CC and when you'd use which?

From: Dykema, Linda D. (DCH)
 Sent: Tuesday, September 22, 2015 3:37 PM
 To: Busch, Stephen (DEQ)
 Cc: Shekter Smith, Liane (DEQ); Groetsch, Kory J. (DCH)
 Subject: RE: lead sampling instructions

News reports are saying that the city/state tells people to flush the tap for 10 minutes then take the sample...there's a lot on the VA Tech web page to that effect as well.

From: Busch, Stephen (DEQ)
 Sent: Tuesday, September 22, 2015 3:32 PM
 To: Dykema, Linda D. (DCH)
 Cc: Shekter Smith, Liane (DEQ); Groetsch, Kory J. (DCH)
 Subject: Re: lead sampling instructions

On the lab instructions you are referring to the wrong analysis. See the 36 cc farther down

Stephen Busch, P.E.
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Sent from my iPhone

On Sep 22, 2015, at 3:26 PM, Dykema, Linda D. (DCH)
 <DykemaL@michigan.gov> wrote:

I'm seeing a discrepancy in the instructions for DW sampling for lead between the back of form EQB 2300 (36ME) http://www.michigan.gov/documents/deq/deq-ess-lab-eqp2300-wateranalysisform_237257_7.pdf and those at http://www.michigan.gov/deq/0,4561,7-135-3313_3675_3691-9677--,00.html. The word or pdf instruction under helpful tools on the later page reads as Liane indicated in the call, flush the tap, let it sit 6 hours then take a first run sample. But the back of the request form says:

"Select a clean faucet and remove such attachments as aerators, dishwasher connectors, etc. Allow water to run for about ten minutes at full flow from the sampling tap. Reduce