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**From:** Graham, Lois (DEQ)  
**Sent:** Tuesday, November 10, 2015 1:40 PM  
**To:** Shekter Smith, Liane (DEQ)  
**Cc:** Krisztian, George (DEQ)  
**Subject:** RE: DRAFT residential sampling protocol for DHHS EBL investigations

#### Step 6 Collect the Large Volume Samples

Under 1. and after (example: KC-A1 ... add the un-parenthesis )

Just wondering about the suggestion to add items needed besides the sampling containers, rubber bands and forms to assist the collectors: *one red fine Sharpie permanent marker, one ultra -fine black Sharpie permanent marker, clip board, flash light.*

**Step 5** OK but we are also instructing to identify the sample as KC-P1, etc. so this part should be modified. I added #4 to indicate that they should not sample if there is an in-line filter but that it's okay to sample if there is a whole house filter. Please read and make sure that this sounds okay. I like this better --LEG.

I also like how Step 1 is turning out and the order of the steps.

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**From:** Shekter Smith, Liane (DEQ)  
**Sent:** Tuesday, November 10, 2015 9:31 AM  
**To:** Graham, Lois (DEQ)  
**Cc:** Krisztian, George (DEQ)  
**Subject:** RE: DRAFT residential sampling protocol for DHHS EBL investigations

With the revised draft this time.

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**From:** Shekter Smith, Liane (DEQ)  
**Sent:** Tuesday, November 10, 2015 9:30 AM  
**To:** Graham, Lois (DEQ)  
**Cc:** Krisztian, George (DEQ)  
**Subject:** RE: DRAFT residential sampling protocol for DHHS EBL investigations

Responses shown below in red.

George -- I have a couple of questions for you.

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**From:** Graham, Lois (DEQ)  
**Sent:** Monday, November 09, 2015 2:39 PM  
**To:** Shekter Smith, Liane (DEQ)  
**Cc:** Krisztian, George (DEQ)  
**Subject:** RE: DRAFT residential sampling protocol for DHHS EBL investigations

My comments on the attached draft are in blue. ALL SUGGESTIONS ACCEPTED. Thanks.

Do DHHS staff want training for sample collection? Is a sanitarian from Genesee County also attending? DHHS has indicated that the sampling will be performed by a consulting firm. I believe ECT has the contract.

Wondering about the account billing number, is this the same as for the Flint schools? How are the sample analyses being funded? George – do we need to provide DHHS with account information or do they already have it?

Add a list of items needed for sample collection besides the sample units, rubber bands, Request for Analysis forms such as *one red fine Sharpie permanent marker, one ultra -fine black Sharpie permanent marker, clip board, flash light.*

### **Step 3, page 2**

I added “cold” after BF = bathroom faucet to clarify cold water not the hot water side.

Are we providing instruction where to place the sample location identifier (i.e. KC-P1, KC-P2, KC-A1...)? I would suggest the Sampling Point description box if the collection address in that same section of the form is already completed.

Perhaps a sample Request for Analysis form filled out with information attached and refer in the document as Attachment 1? (Including billing number?) I think it would be helpful to include a sample form. George – will ECT be expected to use the customized form that we’ve been using or the standard laboratory form?

**Step 4 Prior to Sample Collection** – I would move this higher to position Step 3 and right after Step 2 identify taps to be sampled if there is a home visit the day before or so to inspect plumbing. Otherwise if Step 1 & 2 is on the day of sample collection, move this above the current Step 1. DONE.

Wondering about recommended morning arrival time versus the family’s morning routine to ensure no water has flowed through the plumbing; such as contacting the residents for appropriate appointment time. DHHS indicated to us that they are very aware of the need to work with residents and to arrive early. They also indicated that they expect to be in the home at least 6 hours, so they may be able to accommodate the stagnation time and sample at the end of the day after their work is done. That way they can verify that no water was used in the interim.

**Step 5** OK but we are also instructing to identify the sample as KC-P1, etc. so this part should be modified. I added #4 to indicate that they should not sample if there is an in-line filter but that it’s okay to sample if there is a whole house filter. Please read and make sure that this sounds okay.

### **Step 6 – consecutive sampling**

I see that these are for home samples, but I was wondering if there might be apartment samples, one former single family home split into multiple units or multi-family apartment building and wondering how these instructions would be applied for the consecutive sampling portion. How to control the water shut off period? We’ll have to deal with this on a case-by-case basis. My thinking is that you cannot get a true stagnation, but that it shouldn’t be a problem since in an apartment building you probably never would have stagnation throughout. Having an individual apartment not use the water should be sufficient, especially to evaluate exposure.