
From: Krisztian, George (DEQ)
Sent: Tuesday, October 20, 2015 7:40 AM
To: Edgerton, Shelly (LARA); Dykema, Linda D. (DHHS)
Subject: FW: DRAFT DELIBERATIVE. Working Draft - School Sampling Protocol
Attachments: Working Draft - Collecting Water Samples at Schools 10_19_15.docx
Importance: High

Linda and Shelly,

Let's discuss this document at today's meeting as well.

Thank you!
George

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From: Shekter Smith, Liane (DEQ)
Sent: Monday, October 19, 2015 4:55 PM
To: Poy, Thomas; Dykema, Linda D. (DHHS); Madziar, Joseph (LARA); jhenry@gchd.us
Cc: Krisztian, George (DEQ); Sygo, Jim (DEQ); Busch, Stephen (DEQ); Cook, Pat (DEQ); Prysby, Mike (DEQ)
Subject: DRAFT DELIBERATIVE. Working Draft - School Sampling Protocol

Please see attached.

Your comments by COB Tuesday (tomorrow) would be appreciated. Sooner would be better!

Liane

DRAFT – WORK IN PROGRESS
 Protocol for Collecting Water Samples at Schools for Lead Analysis

The following is a step-by-step procedure to ensure samples are collected in a systematic, consistent manner to provide meaningful results. By following the below procedures school and health officials will have information to be able to identify and correct sources that contribute lead into drinking water. The recommended procedures are:

- With the assistance from Department of Licensing and Regulatory Affairs (LARA) staff, conduct an on-site assessment of the building plumbing to identify plumbing components of concern and prioritize sample sites.
- Genesee County Health Department staff collects the samples from prioritized sites and in the sequence recommended by LARA.
- Genesee County Health Department staff submits the samples and appropriate paperwork to the DEQ certified drinking water laboratory
- Laboratory performs analysis and informs DEQ-ODWMA staff of the results.
- DEQ informs DHHS of test results, and they jointly interpret the results.
- DHHS staff relays the results to school officials and confers on any follow-up or corrective remedies that may be needed.

Step 1 – Prepare for On-Site Assessment

In order to assist LARA staff to identify and prioritize sample sites, school staff should compile, collect, and review any records pertaining to the building plumbing. This includes building permits, plumbing permits, as built plans, and information about the service line and all potable water pipes, fixtures and appurtenances within the building. At a minimum, a diagram of each floor layout should be provided. In addition, answers to the following questions will help streamline the on-site assessment process.

- When was the facility built?
- Have new buildings or additions been added? If so, when were they added? If built since 1986, were lead-free plumbing and solder used?
- When were the most recent plumbing repairs made and where were they located?
- What are the potable water pipes in your facility made of and what is their location? Options include: lead, brass, copper, plastic, galvanized metal and other materials. What materials were used to solder the potable water pipes in your system? Are brass taps, fittings or valves used? Note the locations.
- How many of the following outlets provide water for consumption: Bubblers, ice makers, water coolers and kitchen taps. Note their location. Include taps that might be used for making coffee or preparing formula.
- What brands and models of water coolers (cooled drinking fountains) provide water in your facility and what is their location?
- Do faucets have accessible screens and have they been cleaned?
- Can you detect any signs of corrosion, such as leaks, rust-colored water or stains?
- Is any electrical equipment grounded to water pipes?