

APPENDIX B

Proposed Program Activities

Testing

Two types of testing are proposed as both options will provide information for evaluating and if necessary, refining the Lead Service Connection Management Program (LSCMP). Testing tap water for lead serves many valuable purposes, including:

- Determining amount of lead corrosion.
- Evaluating potential exposure.
- Assisting the City with setting priorities.
- Engaging consumers in understanding the issue.
- Determining adherence to government recommendations.

Tap water sampling can identify homes with lead levels which suggest that further sampling and investigation should be done; however, water testing alone, particularly a single water test, cannot reliably determine if a property has a lead service connection.

Random Testing Study

The City of Regina (City) will complete detailed annual sampling at 50 to 100 sites following industry guidelines recommended by Health Canada. The testing will include 11 or more samples taken during a number of different conditions to simulate water use scenarios. Test locations will be selected from volunteers living in private residences.

This testing will provide in-depth information about lead including potential sources of lead and effectiveness of flushing. This testing program will:

- Demonstrate adherence to industry lead testing best practices.
- Provide information to determine the corrective measures to undertake if elevated lead concentrations occur.
- Provide information to determine the level of future monitoring.

In-Home Point of Use Testing

The second monitoring approach will provide free testing for interested residents and property owners. On request, City staff will arrange free water testing for eligible residents and property owners (approximately 12,000 buildings). The test procedures will follow the applicable Health Canada recommendations.

The voluntary tap water sampling program will:

- Inform and empower individual households to take action to reduce risk.
- Provide the City with ongoing information to assess amount of lead corrosion occurring in the system.

A single test does not reflect the actual risks posed by a lead service connection. As long as a lead service connection is present, periodic testing is advisable and the connection should eventually be replaced.

All residents and property owners within the City are eligible to participate in free lead testing where any of the following is true:

- The building was constructed prior to 1960 and is in a neighbourhood where other lead service connections are present.
- Records indicate that the building is served by a known City-owned lead service connection.
- The City-owned lead service connection was replaced in the last five years.
- There are incomplete historical records for the City-owned service connection material (i.e. material unknown), and the building is in a neighbourhood that has lead service connections present.

This testing will provide geographically wide lead results that will assist in determining potential for City-wide variations or impacts.

The Administration will work with an accredited laboratory to arrange the details of the program to minimize staffing required to manage sampling and testing procedures. City staff will only administer the residential testing (e.g. paying invoices, managing test results, providing sample forms and directions) and not conduct the actual sample collection and delivery to the laboratory.

Filters (Rebate or Provision)

Eligible residents and property owners will be able to either receive: (i) a City-purchased and selected filter, certified to NSF International Standard 53 for lead removal; or, (ii) a rebate of up to \$100.00 for the purchase of a NSF 53 filter certified for lead removal. NSF 53 is a standard published by NSF International that sets minimum requirements for the certification of an in-home filtration system to remove drinking water contaminants, such as lead.

A water filter or water filter rebate will be offered to residents and property owners who meet the following criteria:

- Records indicate that the building is served by a City-owned lead service connection.
- The building is confirmed to be served by a private lead service connection.
- Water in the building has been tested for lead and exceeds Health Canada Guidelines.
- A location in which a partial lead service connection replacement has occurred.

Rebates will be provided for invoices dated January 1, 2016 or later.