Residential Soil Assessment Standard Operating Procedures

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1. SCOPE – brief description of the program, including map of geographic area

Soil assessment available to residents of Trail and Rivervale to prevent and reduce health risks from exposure to metals that may be present in yard and garden soil.

1. OBJECTIVES (or goals) What are the end results you hope to achieve?
2. ELIGIBILITY AND PRIORITIES

Top priorities are expectant families, families with children age 3 and under, and children who have measured blood lead levels above the Family Health case management threshold levels.

1. ROLES AND RESPONSIBILITIES
   1. THEP home and garden team
   2. Teck
   3. Property Owner
2. HEALTH AND SAFETY

Prior to work a health and safety plan to identify potential risks is prepared.

1. MATERIALS AND EQUIPMENT REQUIRED
   1. Forms (is this a duplication of what’s at the end?)
   2. Sampling equipment
   3. What about educational materials?
2. PROCEDURE
   1. Consent to Access the Property
   2. Site Reconnaissance – photos, walkthrough
   3. Sample Collection – depth, locations,
   4. XRF Soil Screening -
   5. Laboratory analysis
   6. Data interpretation – UCLM calculation
   7. Reporting
3. QUALITY CONTROL (could 8 and 9 go together if we wanted to standardize?)
   1. Duplicate sampling
   2. Garden Uncertainty sampling
   3. Laboratory report review
4. TECHNICAL NOTES
5. SUPPORTING DOCUMENTATION AND FORMS
   1. Consent to sample property
   2. Property Condition Checklist
   3. Soil Sample Log
   4. Example Results Letter