

Trail Area Health & Environment Committee



MINUTES

Meeting: Tuesday, September 25, 2018 7:00 p.m.
City of Trail – Committee Room #2

Committee Members in Attendance:

Mike Martin, Chair, City of Trail
Marylynn Rakuson, Community Member
Ron Joseph, Community Member
Aaron Miller, Interior Health
Dawn Tomlin, Interior Health

Mike Adams, Interior Health (phone)
Dr. Karin Goodison, MHO, Interior Health (phone)
Peggy Evans, BC Ministry of Env (alternate)
Dan Bouillon, Teck Trail Operations
Clare North, Teck Trail Operations (alternate)

Others in Attendance:

Jennifer Puhallo, BC Ministry of Env
Santanna Hernandez, Community Member
Ken Hodgins, Community Member
Liz Anderson, Community Member
Michelle Laurie, Facilitator
Ruth Beck, former THEP manager
Catherine Adair, Teck Trail Operations
Thompson Hickey, Teck Trail Operations

Alexa Matthes, SNC-Lavalin Inc.
Andrea McCormick, SNC-Lavalin Inc.
Bruce Enns, SNC-Lavalin Inc.
Cindy Hall, SNC-Lavalin Inc.
Kayla Johnson, SNC-Lavalin Inc. (note taker)
Peter Rotheisler, SNC-Lavalin Inc.

Round of introductions

Mike opened the meeting and introduced Michelle Laurie, the newly hired THEC facilitation lead (replacing the THEP manager position) to facilitate the meeting. Michelle led a round of introductions.

MEETING MINUTES: Dated June 26, 2018

ACTION: Adjust the minutes from Agenda format to Minutes format.

PRESENTATIONS, REPORTS, DISCUSSIONS & RECOMMENDATIONS

Presentation:

Air Quality – Teck Trail Operations (report attached)

Dan outlined these are the lowest levels yet and Teck will continue to work on additional reduction programs. It was mentioned that the current smelter shutdown will reduce the Ambient Lead emissions further.

Ken asked where the air quality target numbers come from. Response was that they are established by the committee and community support is sought via public consultation. The current goals were based on the leading air quality standards in Canada. Since the current goals were met, there was discussion about keeping the air quality at the same target or whether it should be revised.

ACTION: The Air Quality Technical Working Group to review the current goals. Michelle to contact Ron and others, to confirm a date for a meeting.

Q: Why Butler Park and Birchbank as locations for the study? A: These locations have the greatest impact on air quality. There are also other testing stations throughout the community.

ACTION: Teck to provide short presentation on monitoring stations in community to new committee members (and possibly others interested).

Q: Ken asked about S02 levels A: Dan responds that levels will be mandated by government action levels and will be updated at the Air Quality Technical Working Group (AQTWG). Ken is invited to attend. Mike Martin mentioned S02 at this time does not fit into the Terms of Reference (ToR) of the committee. The AQTWG may need to bring this matter to their next meeting.

ACTION: Bring the S02 topic to the AQTWG and report update to the THEC thereafter.

Program Reports & Business Arising:

Family Health Update – Interior Health (report attached)

Dawn reporting for Jeannine. Number for the Blood Lead Clinic as of today were 255 children were invited, 118 attended, 80 over Tuesday and Wednesday, 22 tested were from area 1 of which 21 were from target age group.

Q: Mike Martin asked who prepares the press release of Blood Lead Level (BLL) results (report). A: THEC facilitator drafts based on presentation by Interior Health (IH). Teck and IH provide corporate comments.

ACTION: Aaron to identify who at IH will be point person with respect to press release and send contact information to Michelle Laurie. (note: Karin did this last year)

Home & Garden – SNC-Lavalin (report attached)

Outreach -Cindy and Mike Adams met as follow-up to an action item from the previous THEC meeting. They discussed potential ways that IH could support the HFHH program in addressing issues unrelated to lead exposure that arise during home visits (i.e. housing, pest control, etc.).

Q: What are the requirements to qualify for remediation A: Soil replacement is offered to all families that have children 36 month or younger and have soil levels over 1200 ppm.

Q: How many of the qualifying families declined remediation? A: In 2018, 2 families have declined. The major issue is landlords consenting access to yards to do soil assessments (specifically out of town landlords).

ACTION: Home and Garden team to do pricing on programmable timers (for sprinkler systems) for yard/lawn care.

Q: Do we have the resources for next year's remediation goal? A: We have a good understanding of the needs (i.e. qualifying families and properties) and are working at determining the resources required to make the budget and plan attainable.

Q: How is the action level determined? A: Currently we have a proposed action level of 1,200 ppm for properties with children under 36 months which corresponds to upper cap concentration set through the CSR. Our action level for general community yards corresponds to previous upper cap concentration (4,000 ppm). These are priority action levels to address the highest risk properties first. Which are properties with children and properties with the highest metal levels. Within the WARP an action level will be set by the regulators (ENV and MHO/MoH). The committee will not be setting the action level within the WARP, it is regulatory process. It is important to note that elevated soil metals are from historic deposition.

Community Check-In

Q: RDKB –Fall leaves issue – Fall season, will there be a composting system like surrounding communities? A: No suitable composting site has been located due to odor control and logistics. Next meeting for this group is Thursday Sep 27.

RECAP: Fugitive emissions are our current main focus, but the WARP will redirect the definitive plan, and until we have that concrete plan the program will continue as we are going.

Program Planning Operations: Michelle will work toward obtaining a greater understanding of what is and is not working for everyone, gather feedback and find out specific needs to help future THEC/THEP direction and planning. Her work will begin more fully as of November 1st.

ACTION: Michelle to be in touch directly with all parts of the THEC to gain understanding and direction for a future strategic plan.

ACTION: Circulate Terms of Reference (ToR) for committee – Kayla to do

Executive Report: November Member meeting will be critical – Propose Nov 29th

ACTION: Send out reminder of November 29th date for meeting – Kayla to do

Meeting adjourned at 9:15 pm

NEXT MEETING: Thursday, November 29, 2018



September 25, 2018

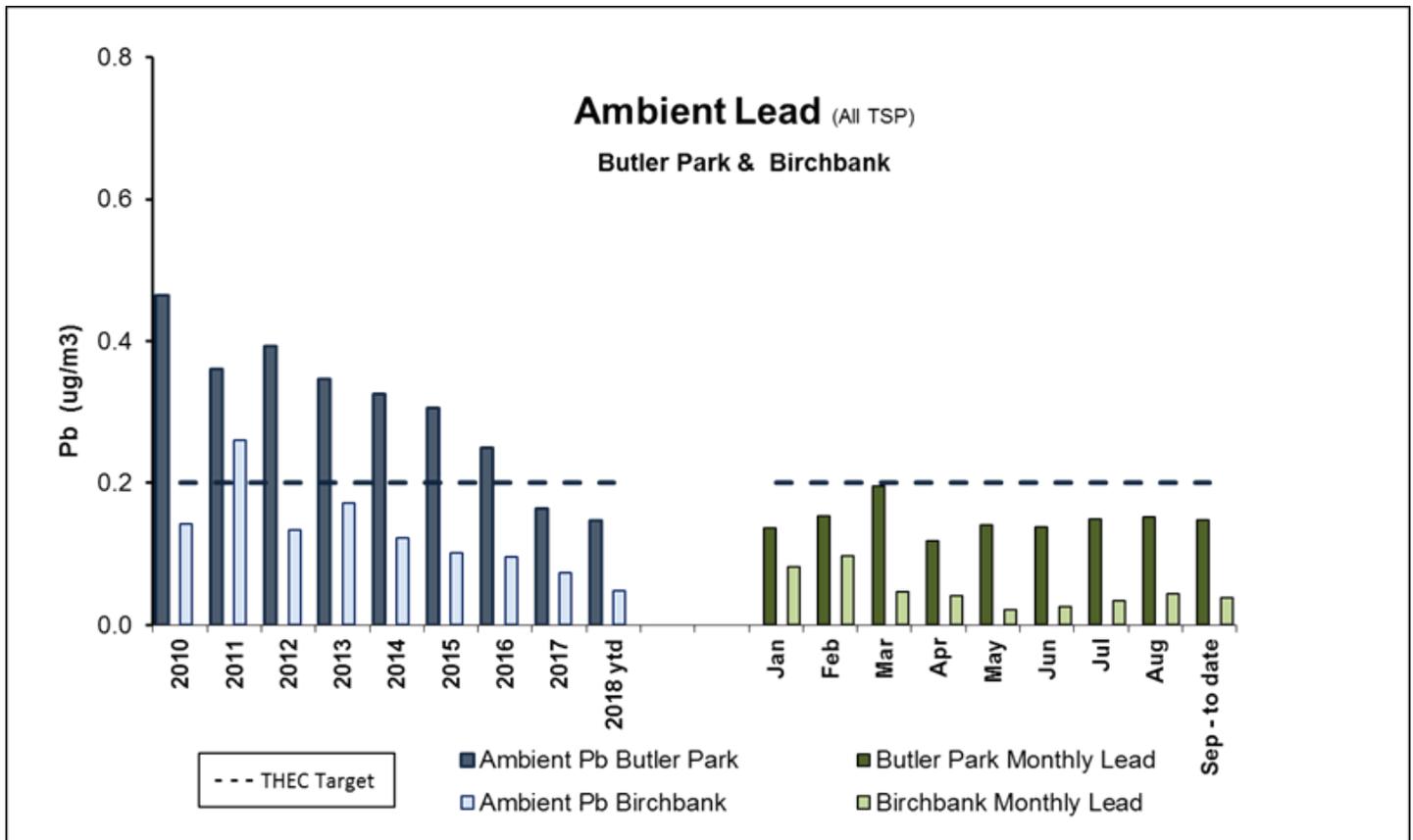
1. Lead in Air:

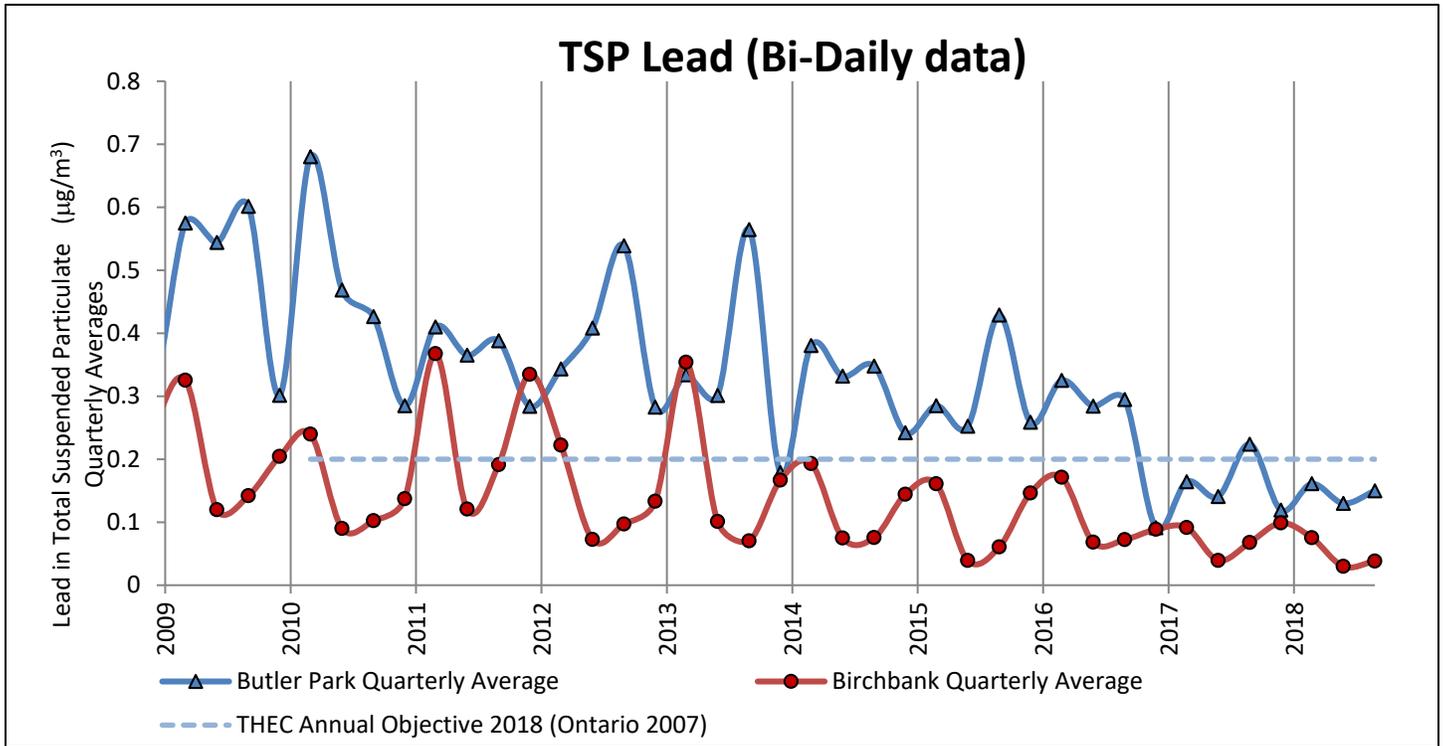
Lead in air monthly averages for July and August 2018 were 0.149 and 0.152 $\mu\text{g}/\text{m}^3$, respectively and the year-to-date average is 0.147 $\mu\text{g}/\text{m}^3$, which remains below the THEC 2018 Annual Objective of 0.2 $\mu\text{g}/\text{m}^3$. The August 2018 average is almost half of the August 2017 average and is the lowest recorded average during smelter operation. These positive results can be attributed to further improvements realized through the Fugitive Dust Reduction Program including the perimeter wind fence installed at the Roaster Feed Pad completed this spring, and continuous improvement work from the 2017 dust survey which highlighted additional sources of dust.

Details:

The chart shows annual averages for Lead in air (measured in Total Suspended Particulate [TSP]) for Butler Park (dark blue) and Birchbank (light blue), in comparison to the 2018 THEC Air Quality Objective (dashed line). Monthly averages for 2018 are shown on the right for Butler Park (dark green) and Birchbank (light green). Monthly averages for Lead in ambient air are expected to have some variability due to season, weather, predominant wind direction and operational variance.

Figure 1: Average TSP lead (bi-daily), Butler Park and Birchbank stations





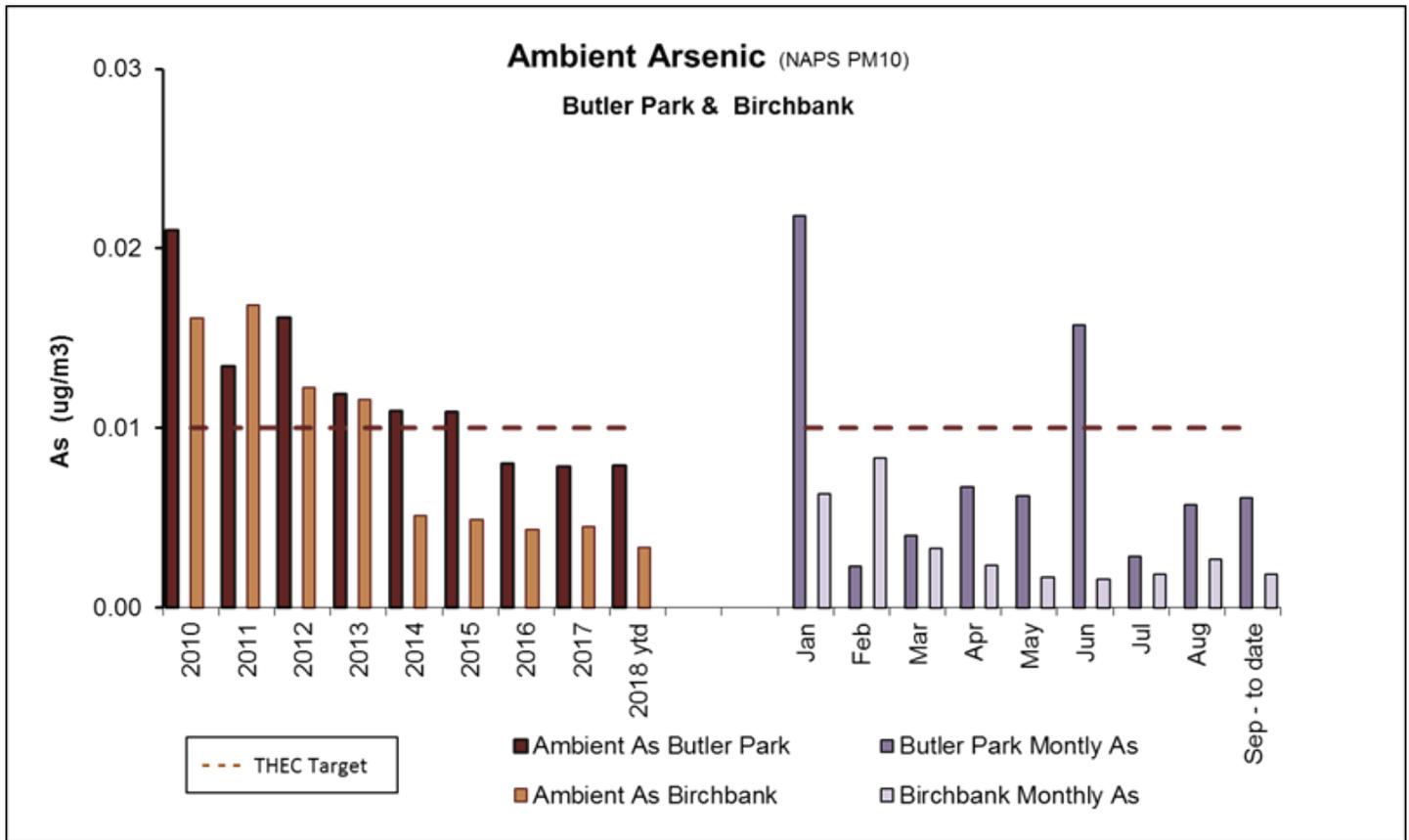
2. Arsenic in Air:

Third quarter results for arsenic in air are trending toward a quarterly average of 0.005 $\mu\text{g}/\text{m}^3$ which is lower than the first and second quarters (Q1, 0.009 $\mu\text{g}/\text{m}^3$; Q2, 0.010 $\mu\text{g}/\text{m}^3$). The year-to-date average is 0.008 $\mu\text{g}/\text{m}^3$, which remains below the THEC 2018 Annual Objective of 0.010 $\mu\text{g}/\text{m}^3$.

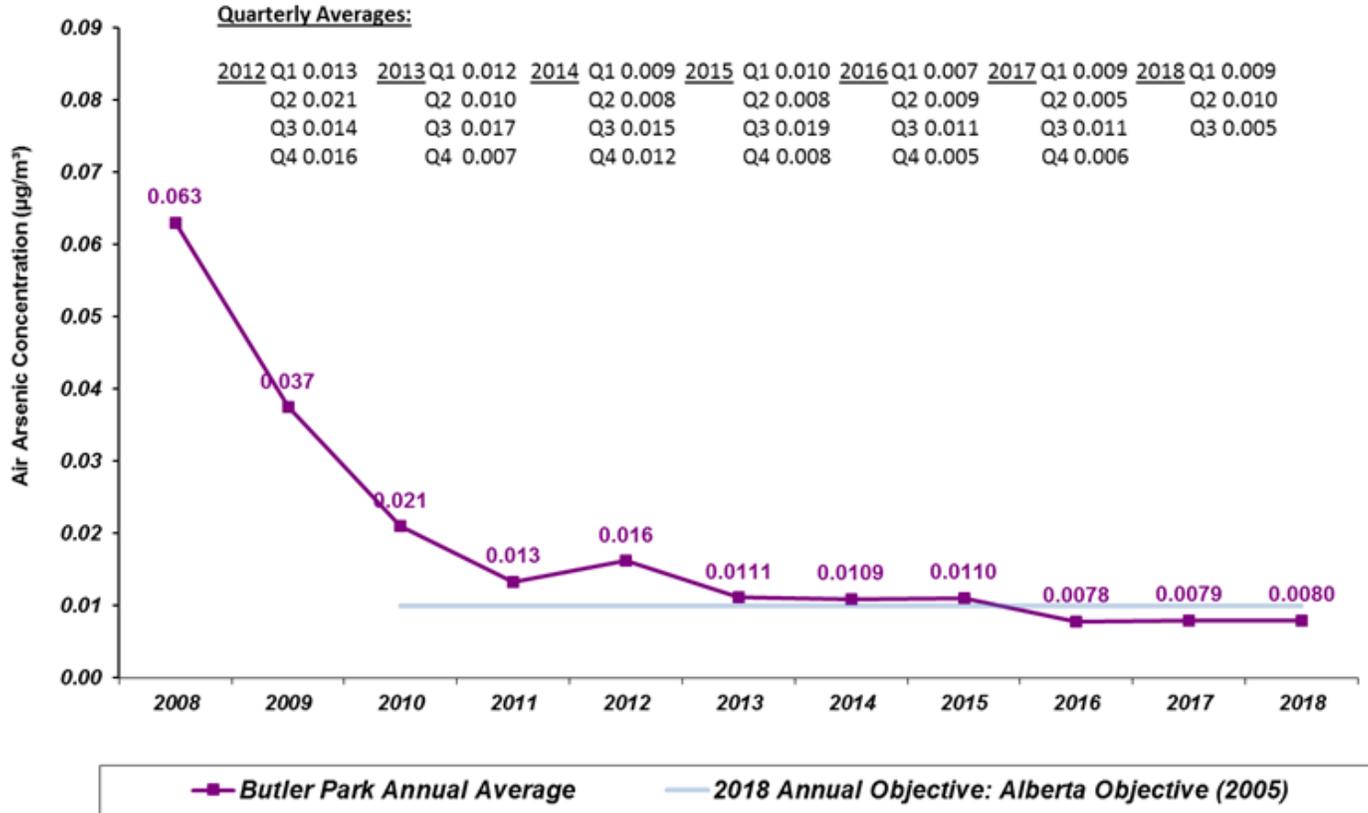
Details:

The chart shows annual averages for Arsenic in air (measured in PM10) for Butler Park (dark brown) and Birchbank (light brown), in comparison to the 2018 THEC Air Quality Objective (dashed line). Monthly averages for 2018 are shown on the right for Butler Park (dark purple) and Birchbank (light purple). Monthly averages for Arsenic in ambient air are expected to have some variability due to season, weather, predominant wind direction and operational variance.

Figure 2: Average PM10 arsenic, Butler Park and Birchbank stations



**Annual Average PM10 Air Arsenic Levels
Butler Park Station**



FAMILY HEALTH REPORT



September 25th, 2018

RECENT HIGHLIGHTS

1. Fall 2018 Blood Lead Clinic Dates
 2. Healthy Family Visits
 3. Community Outreach
-

ADDITIONAL DETAILS

1. Fall 2018 Blood Lead Clinic dates:
 - 4 clinic days done the past 2 weeks
 - Tuesday September 25th from 9:00-4:00
 - Wednesday September 26th from 11:00-6:00
 - Approximately 255 children on list invited, including Area 1 children (Warfield, Oasis, Casino, Waneta)
2. Healthy Family Visits
 - 38 done in 2018
 - 10 done since last Trail Area Health and Environment Committee meeting June 26th
 - 4 visit scheduled
3. Community Outreach
 - Attended local Pregnancy Outreach Program on September 18th and attend monthly
 - Family Action Network's Ages and Stages Day at Kiro Wellness Centre confirmed for October 25th, 2018 from 9:30-5:30.
 - Cindy and I to do a Healthy Families Healthy Homes presentation on October 15th to Teck's Inspiring Wellness and Learning "Lunch and Learn" program.



September 25, 2018

RECENT HIGHLIGHTS

1. Outreach

- a. Healthy Homes meeting with IH Health Protection – Cindy met with Mike Adams and Kerri Wall on Sept 20th as follow-up to discuss each other's roles and best ways to support community initiatives. Outcome was that Cindy can reach out to IH to support questions and queries resulting from Healthy Home visits. Both parties recognized the increasing demands for time especially community groups and requests need to be prioritized. Initiatives that support healthy, safe, and affordable housing is one of those priorities and efforts to leverage this cause would address issues that are encountered through HF/HH visiting.
- b. 2018 Family Zone - It was another successful year! The key factors to its success were the reduced number of markets days (more manageable); good weather (except for the smoke); and support from partners. Partners included Interior Health Public Health Nurses, Family Action Network, Columbia Basin Alliance for Literacy, Childcare Resource and Referral, Building Beautiful Babies, and the City of Trail. This proved to be a great example of community partners working collaboratively to engage with families and promote human connection.
- c. Teck Lunch & Learn – Jeannine and Cindy will be giving a Healthy Families Healthy Homes presentation to Teck staff on October 15th.

2. Healthy Homes

- a. To date 39 Healthy Home visits have been completed. Five visits were with expectant parents and 6 with grandparents/caregiver. There are 8 families to be scheduled in the coming weeks.

3. Soil Assessment

To date we have completed 154 soil assessments in 2018. In order to generate more interest in soil sampling and try to reach the 2018 goal of 300 assessments we have sent consent letters out to certain neighborhoods, and 'advertised' soil testing on the front page of the Summer newsletter. In the spring, we sent out 284 letters targeting property owners in East Trail. We

sent out an additional 355 letters last week to property owners in Shavers Bench and a portion of West Trail. About 46% of owners receiving the letters in the spring have consented, and about 2% have declined in writing.

4. Soil Remediation

- a. It has been a busy year for remediation! So far we have completed remediation on 15 Full Yards, 12 Vegetable Gardens and 2 Partial Yards. Yard improvement has also been completed on 4 properties. We hope to be able to complete another 11 full remediations this year. We have also begun planning for 2019.
- b. Lawn care - 26 HFHH properties have received lawn care (i.e. aeration, over seeding, fertilizer, etc). An August check-in with families indicate that it's working with noticeable improvement of grass cover on 65% of the properties. Family feedback has been positive; they feel supported. The lawn care contractor noted that the families without irrigation systems don't water as recommended and that this can make all the difference. He offers onsite consultation and problem solving but noted that the families have not reached out.