

Trail Area Health & Environment Committee



MINUTES

Meeting: Tuesday, June 4, 2019, 7:00 p.m.
City of Trail – Committee Room #2, Spokane St. Entrance

Committee Members in attendance:

Lisa Pasin, Chair, City of Trail
Jim Hill, Village of Warfield
Dr. Karin Goodison, Interior Health
Cheryl Whittleton, Interior Health

Ron Joseph, Community Member
Julia Stockhausen, Community Member
Dan Bouillon, Teck Trail Operations
Clare North, Teck Trail Operations

Others in attendance:

Catherine Adair, Teck Trail Operations
Thompson Hickey, Teck Trail Operations
Steve Hilts, Teck Resources Ltd.
Ken Hodgins, Community Member
Santana Hernandez, Community Member

Christina Yamada, Interior Health
Erin Fazzino, Interior Health
Dr. Nelson Ames, MHO, Retired
Christina Yamada, Interior Health (by phone)

Program Team in attendance:

Michelle Laurie, THEC Facilitation Lead/Notes
Bruce Ens, SNC-Lavalin Inc.
Jeannine Stefani, Interior Health

Cindy Hall, SNC-Lavalin Inc.
Alexa Matthes, SNC-Lavalin Inc.
Meghan Morris, Interior Health

MEETING MINUTES

Minutes approved from THEC meeting, April 17, 2019.

PRESENTATIONS, REPORTS, DISCUSSIONS & RECOMMENDATIONS

Presentations

Updated estimates of the occurrence of inflammatory bowel disease (IBD) in Trail

Presenter: Dr. Kosatsky, BC Centre for Disease Control

Dr. Kosatsky presented an update to the study on IBD presented to the THEC in 2013. He will work with the MHO to produce a summary to share on the THEP website.

Program Reports & Updates:

Air Quality

Dan Bouillon, Teck Trail Operations – Report attached

- Lead and arsenic in air remain below annual objectives.
- Teck has initiated an arsenic reduction program to work on further reductions.

Mayor Pasin, Chair of Air Quality Technical Working Group – verbal update

- Meeting was held May 29th
- Teck shared a figure visualizing the air emissions sources at the smelter as well as an update to the 2015 AQTWG-ranked inventory of emission priorities. Partners will review

the inventory and share their priorities, questions and comments acknowledging regulatory requirements will be acted upon first.

- Teck then shared air quality exceedances and public feedback since January 2019. Some concern was expressed if the public is sufficiently informed on air quality issues. The program team will review THEP materials to see where improvements could be made.
- Dr. Goodison shared information on Health Canada's Human Health Risk Assessment for Sulphur Dioxide and a Health Link BC 2019 document on outdoor air quality.
- Teck updated the group on their amended zinc air permit containing new requirements related to SO₂, and the steps being taken to reduce ambient SO₂. They will provide regular updates on their reduction improvements over time.
- The next AQTWG meeting is scheduled for Oct 30th, 1-3pm.

Family Health – Meghan Morris, Interior Health – Report attached

- Meghan Morris will be replacing Jeannine Stefani as PHN, and THEP team member, until March 2020.
- Erin Fazzino will be replacing Cheryl Whittleton on the THEC as Cheryl has accepted a temporary position.
- Fall 2019 Blood Lead Clinic Dates are set for:
 - Monday Sept 9th 9-4
 - Wed Sept 11 9-4
 - Mon Sept 16 9-4
 - Tues Sept 17th 11-6
 - Mon Sept 23 9-4
 - Wed Sept 25 11-6
- Additional information on blood lead clinics, home visits and community outreach are detailed in the report.

Home & Garden – Cindy Hall, SNC-Lavalin – Report attached

- H&G staff are prioritizing implementation of the 2019 soil management plan and have hired additional staff to support delivery.
- A progress report based on work as of June 4th, on the 2019 Soil Management Program was provided by Clare North (Teck Trail Operations).
 - 500 properties with kids under 12 years old had been identified and are under review
 - 126 ground cover evaluations were completed and 37 are scheduled
 - 28 soil assessments were completed and 31 are scheduled
 - 19 full yard remediations were completed and 37 are planned
 - 51 properties are receiving ground cover improvements
 - 10 vegetable gardens were remediated
- Additional details on the soils program, healthy homes and outreach are provided in the report.

Community Check-In - All community members are invited to speak

- Santana Hernandez thanked the H&G team for their hard work as well as improvements to delivery of programs over the years.
- Clare North followed up on the alley dust question raised at the April 2017 meeting. She shared that Teck is looking at undertaking a pilot study to evaluate dust in alleys. The results will help determine next steps.
- Lisa Pasin shared the City of Trail's dust suppression, street sweeping and flushing schedule that aims to keep dust down during the hot and dry months.

Program Planning & Operations – Michelle Laurie, THEC Lead Facilitator

- The spring newsletter was provided along with information on current communications such as radio ads during spring and summer, posters and brochures stocked in the community and

targeted outreach to inform families with children under 12 years of age of the expanded soils program.

- A small group of THEC /THEP is preparing a presentation on early childhood development for the September THEC meeting.

NEXT THEC MEETING: September 19, 2019.

Air Quality Report

June 4, 2019

1. Lead in Air:

First quarter average for lead in air at Butler Park was $0.145 \mu\text{g}/\text{m}^3$, which is slightly lower than first quarter in 2018 ($0.161 \mu\text{g}/\text{m}^3$). Monthly averages for April and May remain below target despite below average rainfall and higher daytime temperatures, and the year-to-date average is $0.129 \mu\text{g}/\text{m}^3$ which remains below the THEC 2018 Annual Objective of $0.2 \mu\text{g}/\text{m}^3$.

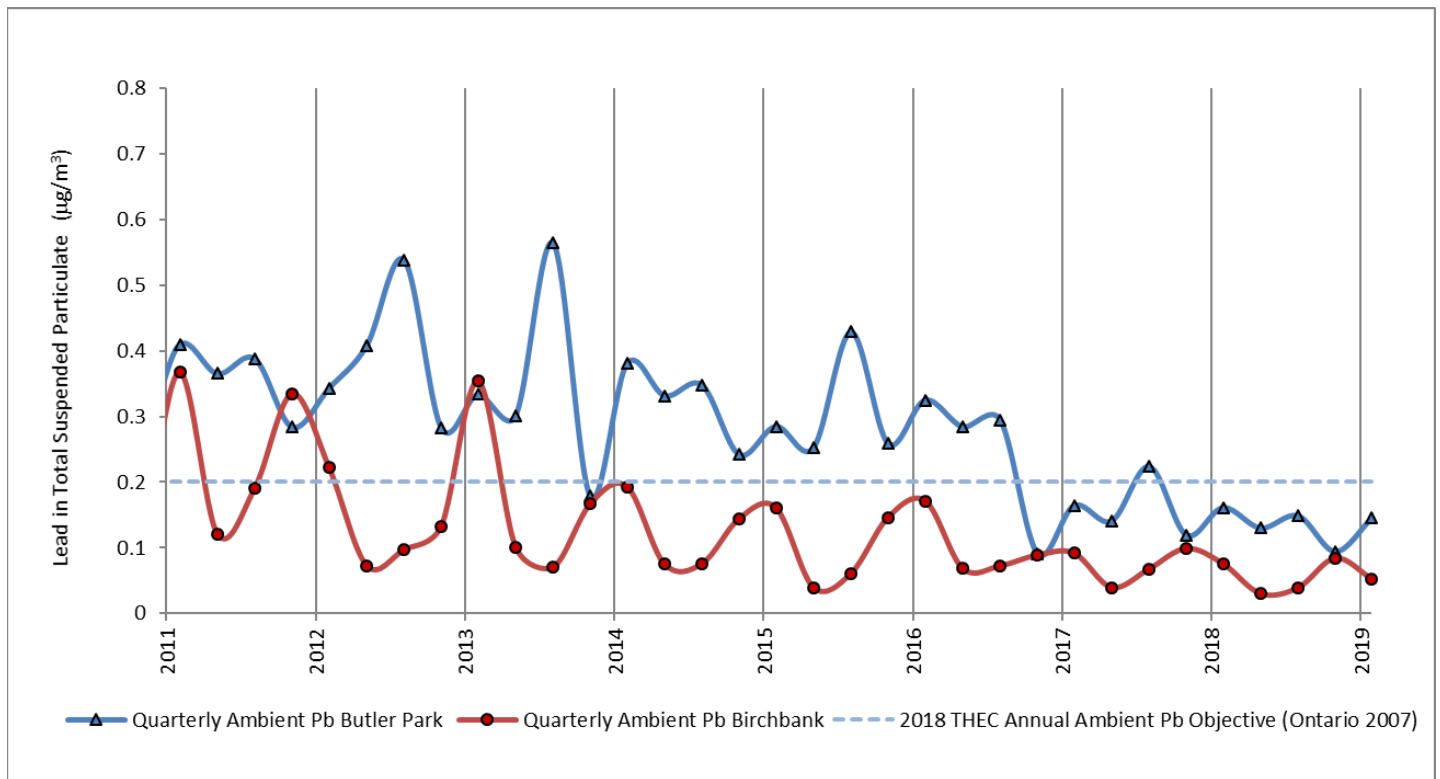


Figure 1: Quarterly monthly average lead at Butler Park and Birchbank stations (as total suspended particulate measured bi-daily)

The chart in Figure 1 shows quarterly averages for Lead in air for Butler Park (dark blue) and Birchbank (red), in comparison to the 2018 THEC Air Quality Objective (dashed line).

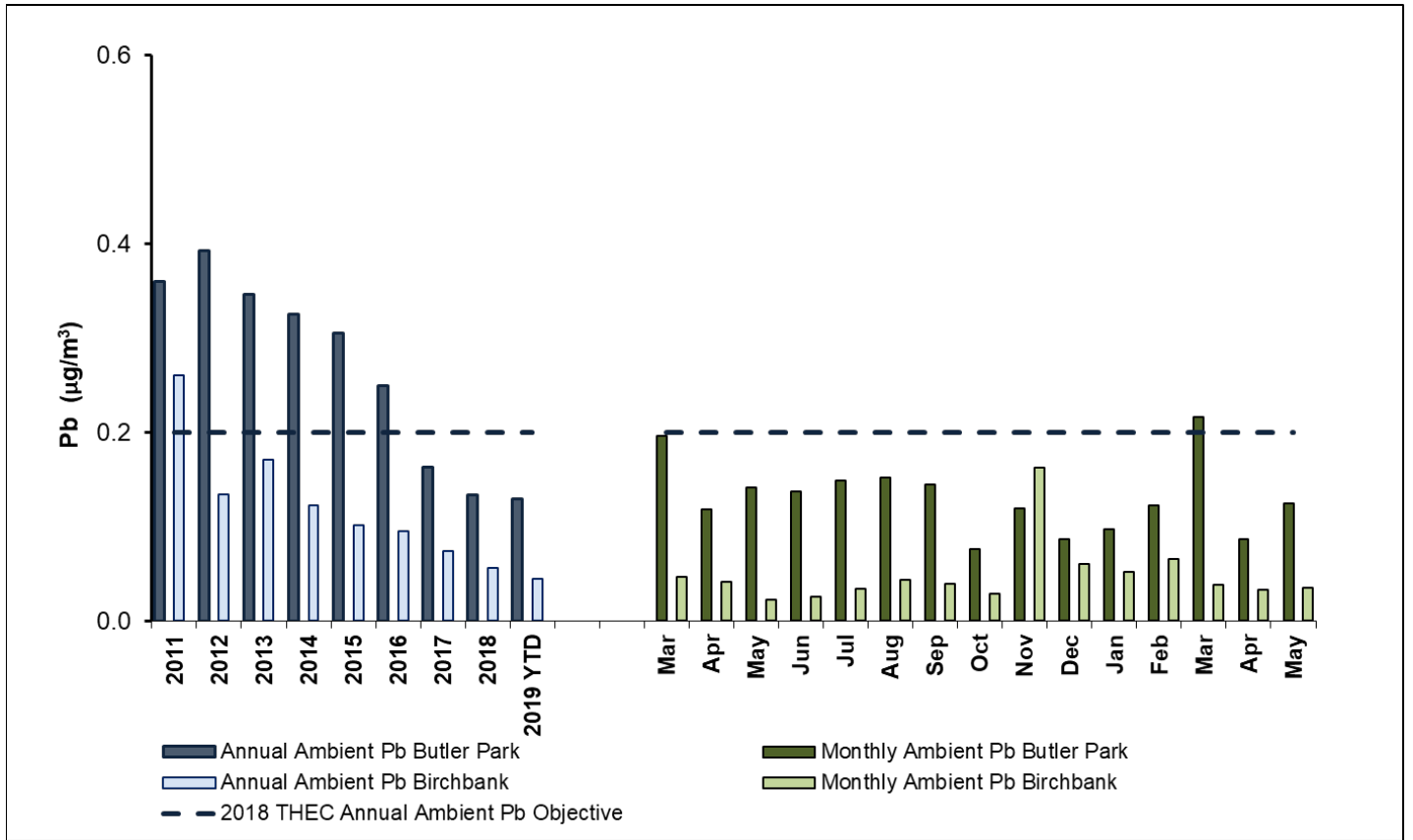


Figure 2: Annual and monthly average lead at Butler Park and Birchbank stations (as total suspended particulate measured bi-daily)

The chart in Figure 2 shows annual and monthly averages for Lead in air for Butler Park. Annual averages are shown on the left for Butler Park (dark blue) and Birchbank (light blue). Monthly averages for the past year are shown on the right for Butler Park (dark green) and Birchbank (light green). The 2018 THEC Air Quality Objective is shown as a dashed line. Monthly averages for Lead in ambient air are expected to have some variability due to season, weather, predominant wind direction and operational variance.

2. Arsenic in Air:

First quarter average for arsenic in air at Butler Park was $0.008 \mu\text{g}/\text{m}^3$, which is slightly lower than the first quarter in 2018 ($0.009 \mu\text{g}/\text{m}^3$). The year-to-date average is $0.007 \mu\text{g}/\text{m}^3$ which remains below the THEC 2018 Annual Objective of $0.010 \mu\text{g}/\text{m}^3$.

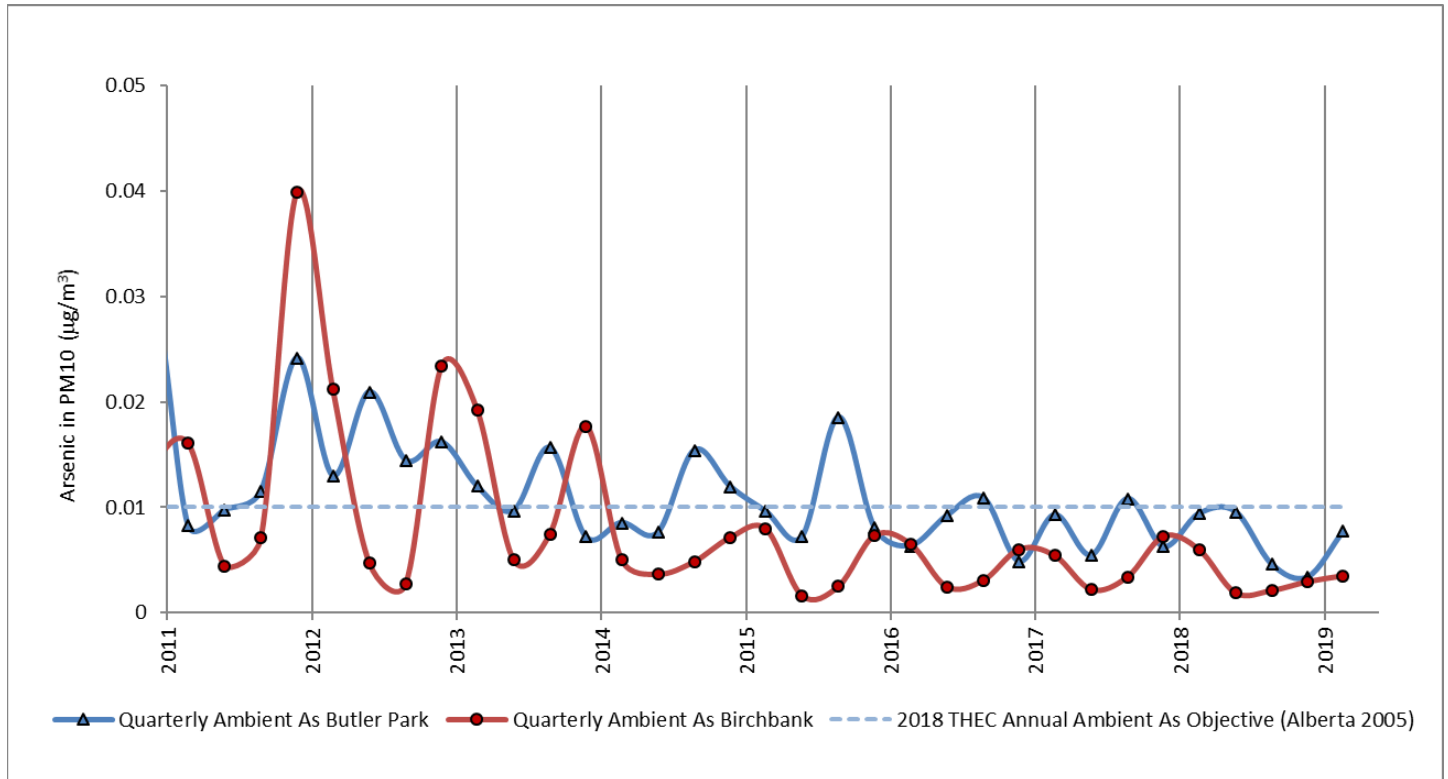


Figure 3: Quarterly average arsenic at Butler Park and Birchbank stations (as inhalable PM₁₀ fraction measured weekly)

The chart in Figure 3 shows the annual average for Arsenic in air (measured as inhalable PM₁₀ fraction) at Butler Park (blue) and Birchbank (red) in comparison to the 2018 THEC Air Quality Objective (blue line).

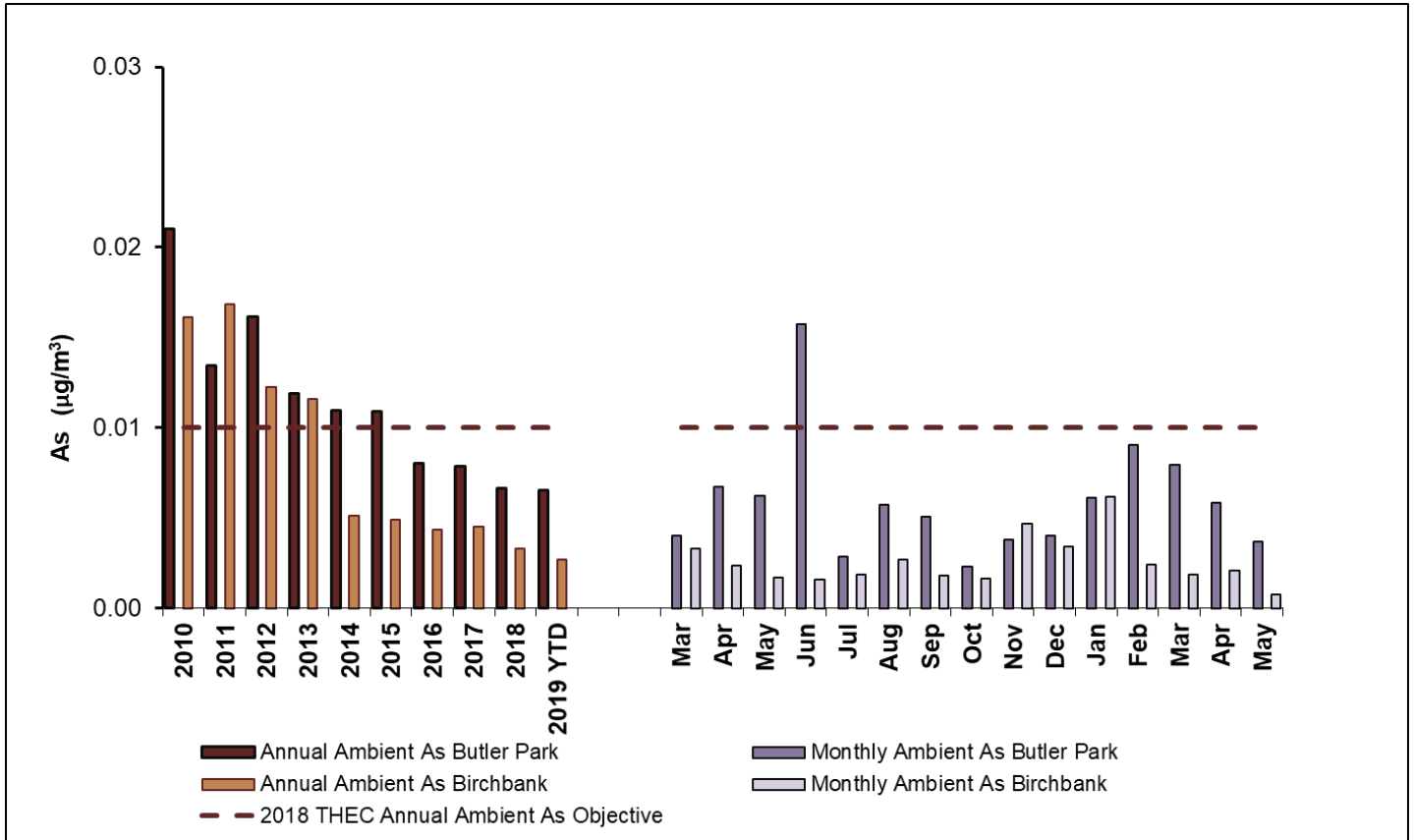


Figure 4: Annual and monthly average arsenic at Butler Park and Birchbank stations (as inhalable PM_{10} fraction measured weekly)

The chart in Figure 4 shows annual and monthly averages for Arsenic in air at Butler Park and Birchbank. Annual averages are shown on the left for Butler Park (dark brown) and Birchbank (light brown). Monthly averages for the past year are shown on the right for Butler Park (dark purple) and Birchbank (light purple). The 2018 THEC Air Quality Objective is shown as a dashed line. Monthly averages for Arsenic in ambient air are expected to have some variability due to season, weather, predominant wind direction, operational variance and sampling frequency.

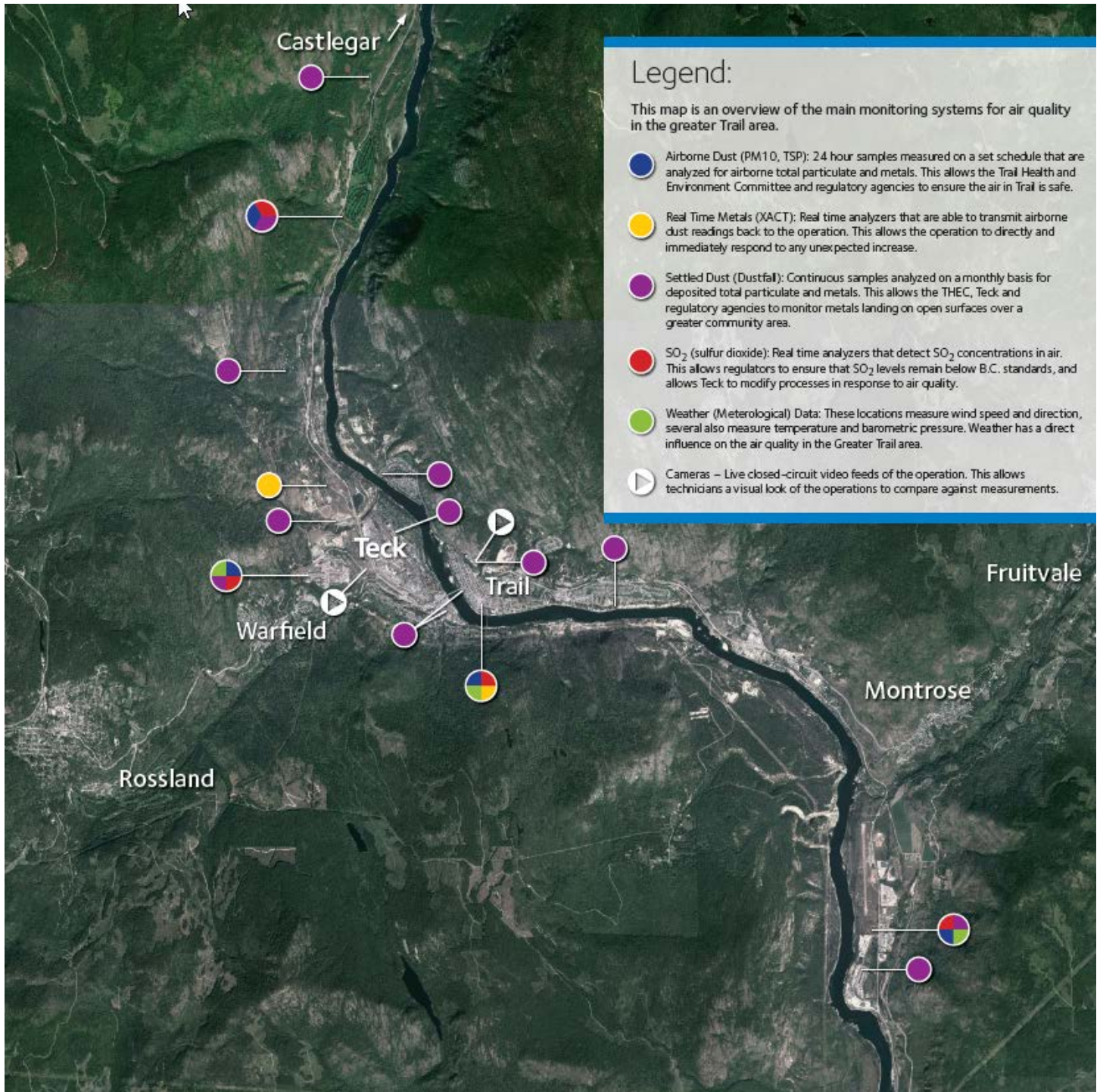


Figure 5: Teck Community Air Monitoring Stations



June 4, 2019

RECENT HIGHLIGHTS

1. IH Public Health Nurse changes
 2. Fall 2019 Blood Lead Clinic Planning
 3. Healthy Family Visits
 4. Community Outreach
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ADDITIONAL DETAILS

1. Jeannine Stefani started a new temporary position within IH until March 2020. Meghan Morris will replace Jeannine's duties in Lead Clinic. Jeannine is orientating Meghan to the role and Jeannine will be available to support Meghan in the Lead Clinic over this time.
2. Fall 2019 Blood Lead Clinic Dates
 - Dates TBD, but historically there have been 6 clinics-2 clinics per week, beginning the second week of September. 2 evening clinics are offered to accommodate working families.
 - At present, the total number of children to be invited is approximately 205.

Total from target area 2/3 age 6-36 months: 162 children

And additionally:

- i. 30 New Children to the target areas that are over 3 / parent requests for testing in Trail/Rivervale.
 - ii. 3 older Case Management Children
 - iii. 8 children from Area 1 and 2 children from other Lower Columbia Communities at parent request.
- Invitations to attend the Lead Clinic will be sent out by mail at the end of August. Letters include an offered appointment date and time.
 - Hard and electronic copies of Lead Clinic Posters will be distributed to THEC members, community and media as soon as they are available.
3. Healthy Family Visits
 - 30 Health Family Visits done in 2019
 - 4 more are scheduled over the next 2 weeks
 - 2 visits were declined
 - 5 visits have been done since the last THEC Meeting on April 17th

4. Community Outreach

- Attended Building Beautiful Babies Pregnancy Outreach Program Monthly and will visit one more time in June before the Group breaks for summer.
- Attended Ready, Set, Learn events at Webster Elementary on May 22 and Glenmerry Elementary on May 24th.

June 4, 2019

HIGHLIGHTS

1. 2019 Soil Management Program (2019 SMP) Update: presented by Clare North, Teck
In recent months, H&G Staff has been focused on supporting the implementation of the 2019 SMP. All other H&G programs have continued; however, ramp-up of the SMP has limited staff capacity on some other aspects of program delivery. To maintain previous levels of program delivery, two new staff have been hired and another person is currently in the hiring process.
2. Soils Program: In addition to soil work conducted under the 2019 SMP three community remediations have been completed. These were properties committed to in 2018 under the previous prioritization framework.
3. Healthy Homes: Cindy has been temporarily redirected to support the 2019 SMP ramp-up period while new staff were being trained. To date, there are 19 visits to schedule and home visiting will resume in July.
4. Outreach & Engagement: Related activities have continued and the emphasis has been placed on promoting the 2019 SMP. Michelle Laurie and Meghan Morris (IH) have been providing support to the H&G staff during to support outreach commitments. Upcoming activities include:
 - a. Healthy From The Start: June 20th – a HFHH presentation to IH staff who deliver this prenatal program.
 - b. Teddy Bear Picnic (13th Annual): June 19th
 - c. Family Action Network: June 25th - Board of Director meeting