



MINUTES

Meeting: Tuesday, February 5, 2013, 7:00 p.m.
City of Trail Committee Room, Spokane St. Entrance

Committee Members:

Dieter Bogs, Chair, City of Trail
Jeannine Stefani, Interior Health Authority
Brad McCandlish, BC Ministry of Environment

Mark Tinholt, Teck Trail Operations
Craig Adams, community representative

Invitees:

Richard Deane, Teck Trail Operations
Sonia Tavares, Success by 6
Ruth Beck, Program Manager
Bruce Enns, SNC Lavalin Environment
Megan Klammer, Interior Health
Dave Diplock, Bear Environmental Consulting
Denise Robson, Inside Job Consulting

Marlee Gaskell, Selkirk College Nursing student
Cindy Hall, SNC Lavalin Environment
Andrea McCormick, SNC Lavalin Environment
Stefan Humphries, Teck Trail Operations
contract hydrogeologist

Note: There was no quorum. The next regular meeting on April 30 will need to review the business conducted on February 5 and vote to ratify (or not) any decisions.

MEETING MINUTES: Dated November 6, 2012

The minutes of November 6, 2012 were approved (subject to ratification).

REPORTS & RECOMMENDATIONS

Air Quality

Teck Report – Mark Tinholt, report attached

Re. the graph of total suspended particulate (TSP) lead, the numbers are decreasing in line with the seasonal pattern.

Dieter noted that there were quite a few complaints during the spike period (bump in the blue line) during late fall of 2012. Richard noted there were problems in the acid plant during that time.

Discussion re. lead in dustfalls: Action for Teck at last meeting was to investigate further the hypothesis that the Columbia Ave. dustfall (beside the bridge) is decreasing due to less effect from trucking concentrate. Looked further into the study done by Carl Johnson of the Ministry of Environment in the 1990s but this was a soil study and the focus was on the Waneta Rd. area. All agreed that this was not relevant. Mark confirmed that the dustfall is “close to the bridge road” and there has been a gradual transition of improving practices at Trimac over this time, (1) better housekeeping at the site e.g. washing stations equals cleaner trucks leaving the site, and (2) over the last 3-5 years, a transition to hard top tarping.

ACTION: Teck to provide a once-a-year presentation with a more detailed look at dustfalls rather than the monthly update.

Dieter and Megan asked whether the dustfall numbers are going up due to sanding and salting of roads. Mark responded that, no, at the Columbia Avenue bridge station, the dotted blue line, the numbers are going down.

Dieter requested that Teck give a detailed update on the acid plant and No4 furnace projects, with a focus on environmental performance at the next meeting. Richard noted that, regarding the acid plant, they expect a 15-20% improvement in sulphur dioxide emissions going in and that

start-up is expected in early 2014.

ACTION: Teck Trail Operations to provide an update presentation on the acid plant and No4 furnace projects at the April 30 THEC meeting.

Family Health

IHA Report, Jeannine Stefani, report attached

For the February clinic, 99 children have been invited to 2 clinic days, February 7 and 12. Jeannine expects about 70 children to attend.

This year, FAN is holding a special event, “Ages and Stages Day” in conjunction with the blood lead clinics. Children up to 5 years are eligible to attend. There will be a variety of child health and development professionals on hand including supported child development specialists, speech pathologists, dental hygienists, the audiologist and a vision specialist. Sonia Tavares is booking appointments, working with FAN. Dieter commented that he’s pleased to see the Ages and Stages Day.

Regarding case management follow-up, there are 27 new case management children from the fall clinic. Contact has been made with 26. We’re hoping to see the final one at this year’s fall clinic.

Interior Health is continuing to explore options for a better database. Today, there was a demo of the Kyran software. There are pros and cons to this program that will be communicated back to Interior Health. Question: (Dieter) Is it used by elsewhere? Answer (Jeannine): It is used in the United States but they have different program needs than we do. This software doesn’t have the capacity to organize clinics like we do. It’s good for following record keeping and environmental matters. We’re continuing to look at options.

Program Planning & Operations

Program Plan Working Group Report – Mark Tinholt

Mark presented a recap of work towards the Plan. Points noted during the presentation are:

On February 21, we will hold a Training Day for Program staff with Nelson Ames and Steve Hilts to support the new primary prevention work with families.

A draft of the literature review report will be available in a few weeks.

We will be conducting a lead paint testing pilot, both outside and inside during our home visits.

We’ll be checking to see if it is related to the BLL of children in the households.

Question: (Dieter) Will we hear from Bill Jankola twice a year for updates on the fugitive emissions project? Answer: (Richard/Mark) Yes.

Regarding the Lower Columbia Environmental Management Plan (LCEMP), the ecological work is being prioritized using an offsetting approach. This work needs to be included in the plan as the Ministry of Environment will be looking for it.

Mark explained the activity flowchart, documenting the process of our adaptive management plan. Adaptive management takes into account the fact that sometimes things change and we have to change, too. For example, the Canadian Council of Ministers of the Environment (CCME) has issued a draft revised soil guideline for lead, and the BC Ministry of Environment had indicated that they are also reviewing their lead in soil standards. If the soil standards and, in particular, the High Risk Protocol Upper Cap concentrations (which form the rationale for our yard remediation triggers) change, then we will need to reconsider our rationale.

Question: (Dieter) are the MOE and CCME documents available to the public? Answer: (Mark)

Yes.

ACTION: Mark to send links to the documents to Dieter and THEC.

MOTION: Mark moved that we change the name of the plan to the Trail Area Health & Environment Program Plan (THEP Plan). The motion was put forward and needs to be considered for potential approval at the next meeting.

ACTION: There will be a day-long meeting of the Program Plan Working Group on Thursday, May 2nd to kick off documentation requirements. We're hoping to have first drafts of plan sections some time in the fall, to be confirmed May 2.

Ruth confirmed that we have set a date of February 28 to meet with representatives of Warfield and RDKB Areas A and B re. including those areas in a one time blood lead clinic this fall.

Executive Committee Report – Ruth Beck, THEC Terms of Reference attached

Dieter noted that the THEC Terms of Reference have been approved by Trail City Council and do not need to be accepted at this meeting.

Program Manager's Report – Ruth Beck, report attached

Ruth presented a draft of a healthy home poster that we will be leaving with families who get the primary prevention visits. There is room to write in 3 messages about opportunities to make the home environment healthier. These will be things that are identified in conversation with the families and that they are excited about, too. We are looking at creating a Healthy Families: Healthy Homes brand for our family health and home and garden programs.

QUESTION: (Dieter) What is this poster going to achieve?

ANSWER: (Mark) This is a visual representation of what the family can do that is specific to that family. For case management, we used to use a detailed checklist which was not stimulating or engaging. We suspect that it was not looked at after our team left. (Jeannine) We want to highlight things that are doable and speak to the family. (Sonia) The hand washing posters speaks to kids. This is a visual representation that the family can work with. (Andrea) We don't want to overwhelm a family. We want something that is a little more unique and fun. (Jeannine) We'll be doing our visits at different times, tailored to coincide with opportune teaching moments at the most useful time. The Program team picked a number of elements that they could review with the family.

(Richard) As a conversation starter, it's a brilliant idea. (Dave) You could have stickers for key messages. (Craig) We could give stars – positive reinforcement for recommendations that have been followed through on.

ACTION: (Ruth) Get final feedback from frontline re other ideas, idea stickers stamps etc.

Communications:

Ruth reviewed the proposal to discontinue community-wide mailing of the newsletter and replace it with targeted mailing to families, placing stacks of newsletters in public locations, posting it on the website and encouraging electronic subscriptions and placing an ad in the paper. (Craig) expressed concern that, for \$2,500 twice a year, we have guaranteed distribution. For the amount of savings, how do we know we'll reach people successfully through the website so that we are not here in a couple of years trying to address a transparency issue? (Ruth) Good

question. We are not wanting to reduce transparency at all, but want to reach our target audience, which is not currently happening.

(Dieter) We could have a page in the Trail newsletter, one page of general stuff, sent out twice a year. (Sonia) West Kootenay Family Magazine has a more targeted distribution three times a year. Sonia has offered to link with Ruth to add THEP information.

ACTION: (Ruth) to follow up with both Sonia and the City of Trail.

Jeannine and Sonia made a presentation to local physicians about early childhood development programs in the community, letting physicians know what we can do to support their patients and letting them know that they can refer patients to a PHN to help them connect to early learning programs. We will be dropping off information on early years programs to their offices.

Ruth reviewed the website analytics: 195 unique visitors from October 29, 2012 to January 31, 2013, spending an average of 4 minutes on the site and looking at an average of 4 pages.

There were spikes in visitors in early January. Mark speculates that this was when our www.thep.ca website was posted on the Teck website. Dieter is looking to make sure that the City of Trail site has a link to THEP. (*Note: it does.*)

FAN Update – Jeannine Stefani

FAN's vision, mission and guiding principles have been completed and they are working on a strategic plan. There will be short- and long-term action plans to support each of the plan's goals. They hope to have the plan to share with the advisory group by the end of March. They are working on grant writing to create a sustainable base and have a paid coordinator. They are in the process of becoming established as a non-profit society. They continue to work at creating awareness and building. FAN place an ad in the paper on Friday acknowledging Family Day.

(Dieter) Are we going to see more organization? (Sonia) Yes, this is the reason for becoming a non profit society. This will lay out the organizational structure.

Home & Garden

Community Program Office Report – SNC Lavalin – Bruce Enns

Dust buster kits were delivered to 11 case management families on Friday. Garden kits will be targeted for families with yards.

Re. contractor training, Andrea has met with 2 roofers and had good discussions about how to promote lead-safe roofing jobs. They are keen to participate when we have a certification or contractor awareness program for their employees. We are in the brainstorming stage with roofers and the Program Team on strategies specific to roofing. We hope to have a pilot project this summer to help us find strategies that work to protect families from dust during roofing jobs. Andrea will continue to meet with contractors to get more ideas (and buy in) about what could work.

Re. BC1 Call, Bruce wants to know if it is possible for the City to help out by having us join auto response?

ACTION: (Andrea) talk to Larry Abenante.

Groundwater Stefan Humphries

A presentation was made on Teck's groundwater plan. This plan was submitted to Environment Canada in October, 2012 and was accepted as meeting the requirements of the Inspector's direction. Readers can access the plan at

<http://www.teck.com/Generic.aspx?PAGE=Teck+Site%2fDiversified+Mining+Pages%2fZinc+Pages%2fTrail+Pages%2fTrail+Groundwater+Remediation+Plan&portalName=tc>

ACTION: Teck to also provide a presentation on the groundwater plan to the City of Trail.

NEXT MEETING

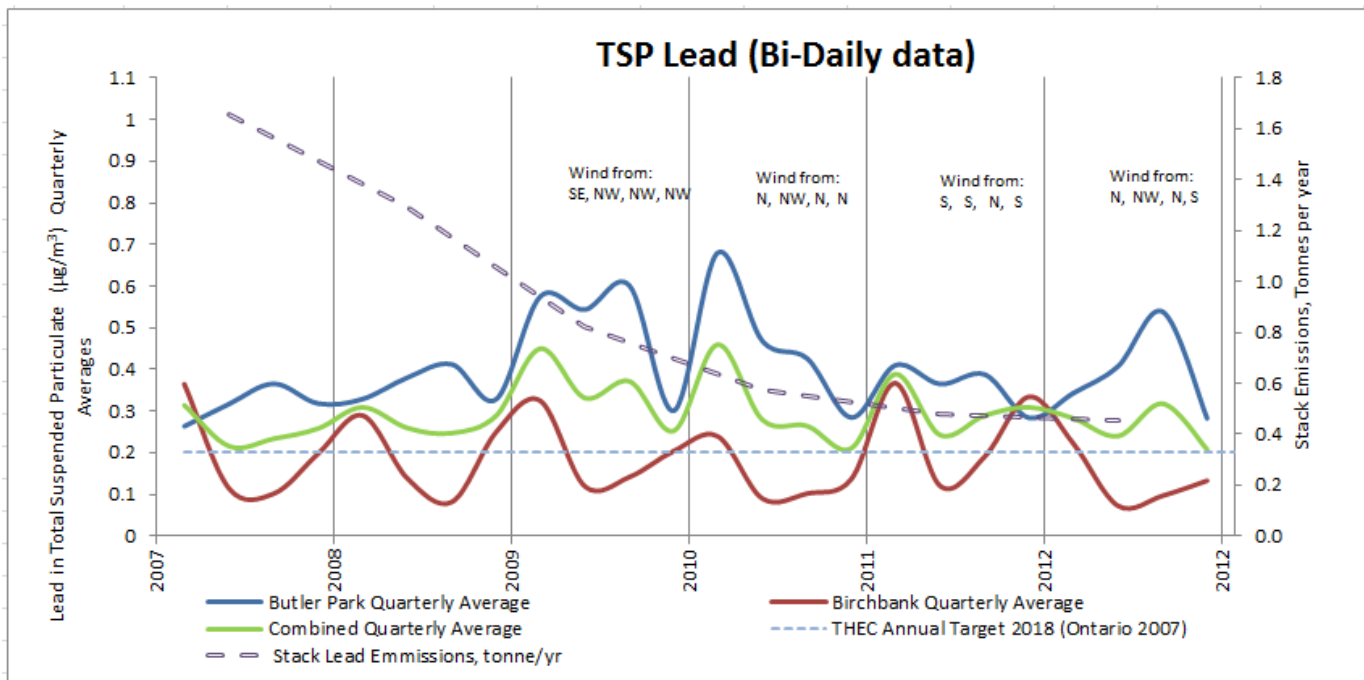
Tuesday, April 30, 2013

Trail Health & Environment Committee – Teck Report Feb 5, 2013

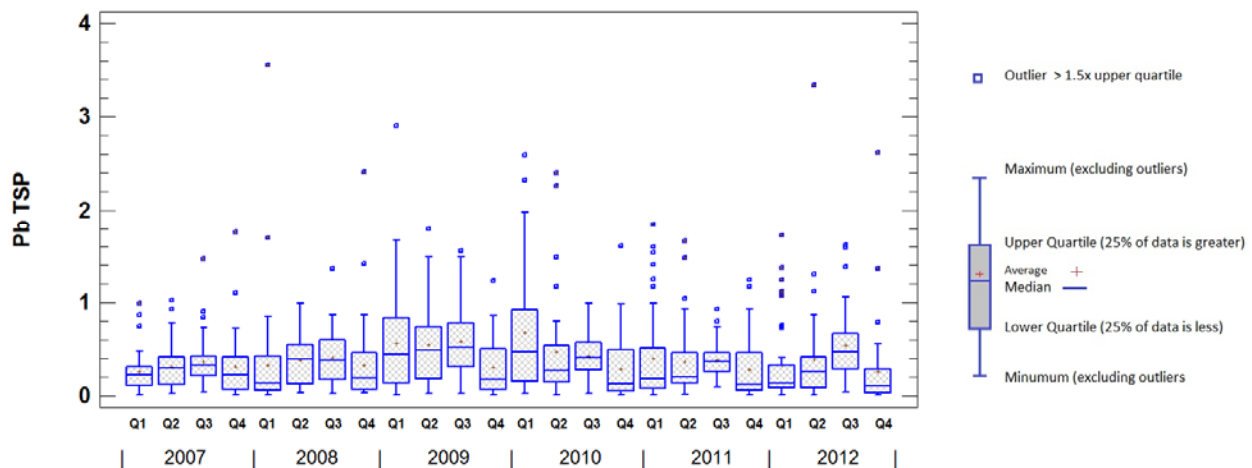
Air Quality Program

Lead – Total Suspended Particulate:

- The first graph shows ambient (community) levels for the Butler Park and Birchbank monitoring stations based on quarterly averages of Bi-Daily data (rather than NAPS day -6 day- data), measured stack emissions (annual basis), as well as predominant wind direction (quarterly, as measured at Maintenance Services Building). The second Box-Plot graph for Butler Park is included to provide data transparency at the request of the technically savvy committee members.
- Most recent Quarterly averages for Lead in ambient air at Butler Park have reduced from Q3, following a typical seasonal trend. The higher value earlier in 2012 corresponded with lowest levels at Birchbank - a reflection of the influence of predominant wind. The combined average is generally consistent with previous years, with some seasonal variation.
- Measured stack emissions have continued to drop. The discrepancy in trends between stack emissions and measured TSP in air is believed to be sourced from fugitive dust.
- Trail smelter's releases of lead to air are still amongst lowest in industry.

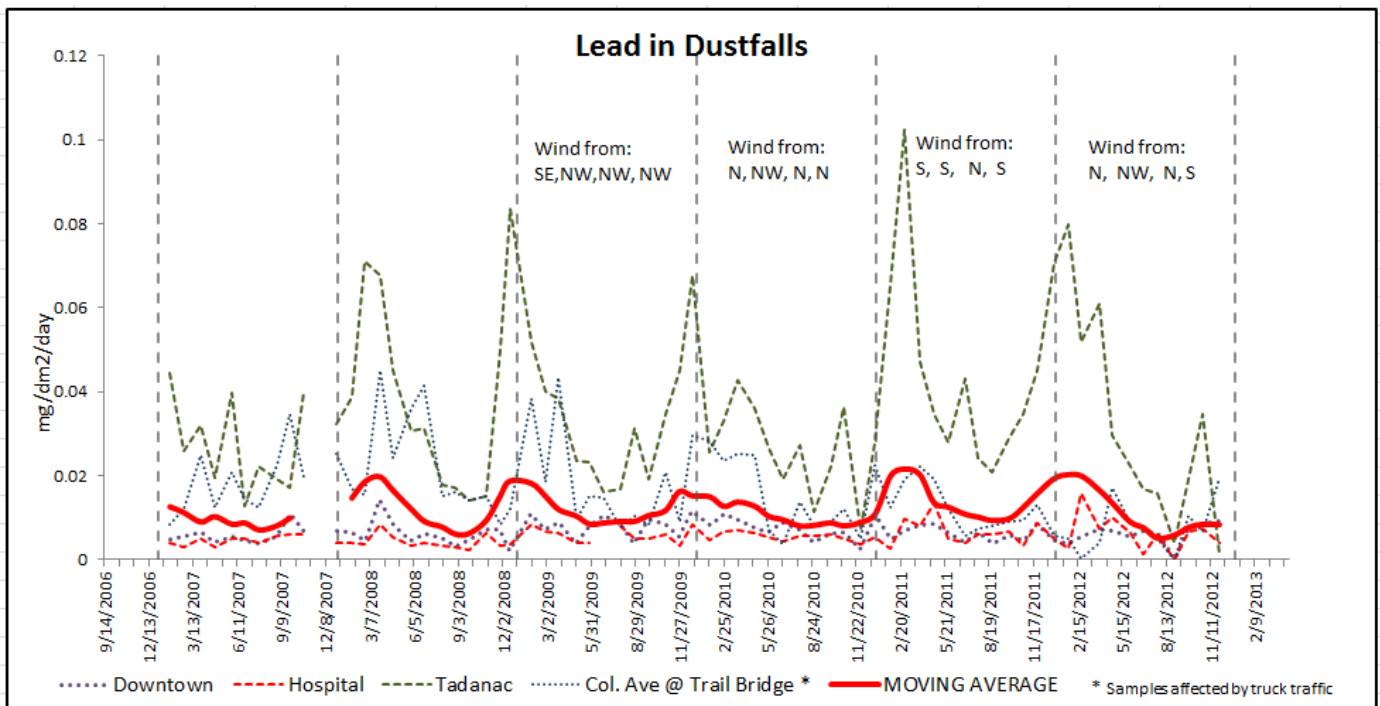


Quarterly Box Plot - Lead at Butler Park



Lead in Dustfalls (monthly):

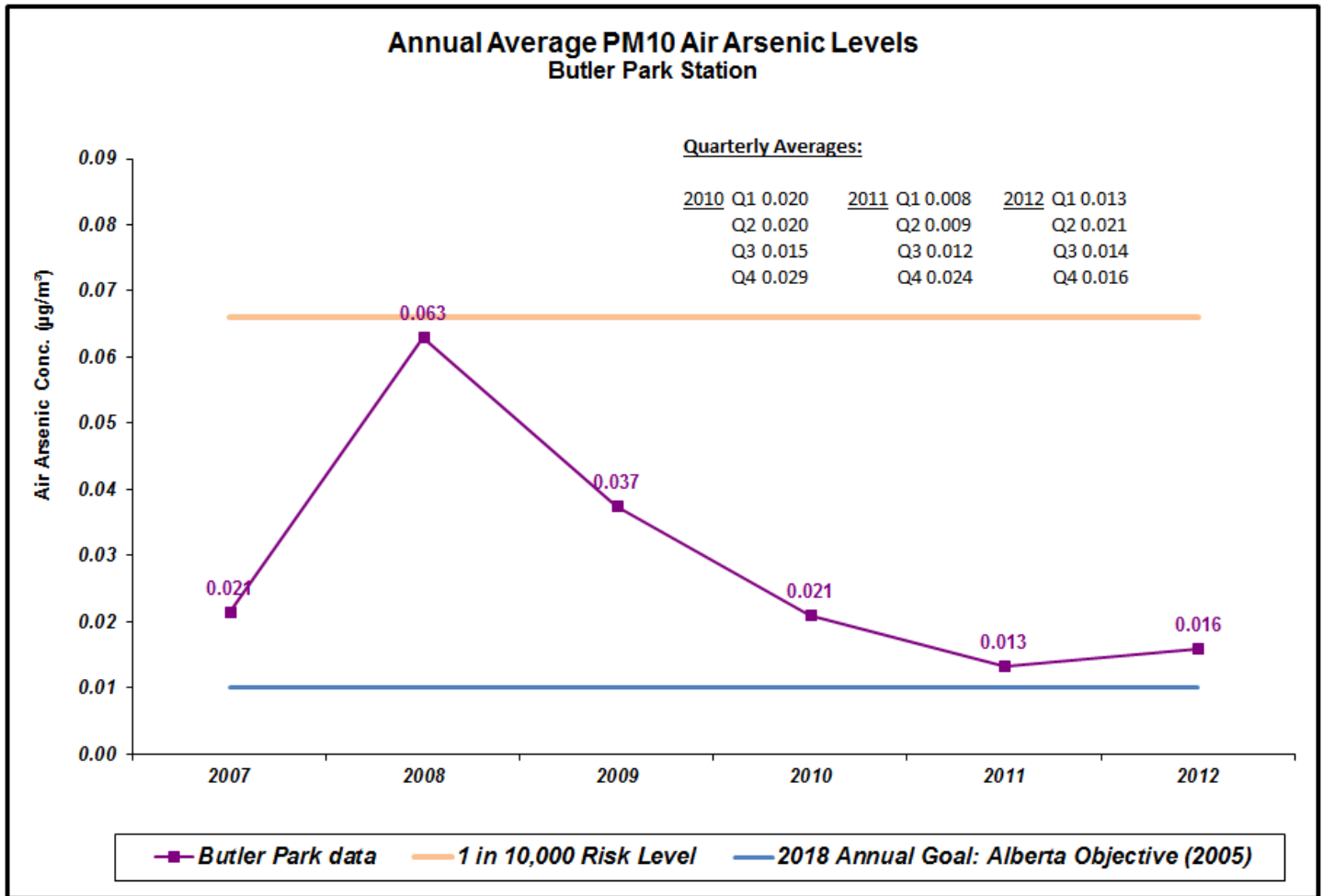
- No regulatory basis for comparison- used by Teck to monitor trends over a wider area (more stations).
- In general, average data appears to follow a seasonal cycle that has not changed significantly during the reporting period. The seasonal cycle peaks during the winter months, with some variation that appear to be due to wind and weather conditions.
- Previous trend analysis completed at the request of the THEC indicated a decreasing average trend for the Col.Ave @ Trail Bridge sample station. At the request of the THEC, Teck has looked further into the whether this could be associated with improvements in trucking practice. Some lines of evidence do agree with this interpretation, however the information is not conclusive.
- PROPOSAL: Prior to 2012, dustfall data was only presented on an on-request basis. A request was made in June 2012, and the data has been shown at every meeting since. Teck now proposes going forward to provide a single detailed review of dustfall data on an annual basis, rather than at every meeting, to allow the information to be presented in greater detail and with better context.



Columbia Ave. Dustfall Jar.

Arsenic– PM10:

- Arsenic in ambient (community) air had returned to pre-2004 levels in 2011. Improvements appear to be the results of actions taken at the Continuous Drossing Furnace and Refinery Scrubber Stack.
- 2012 annual average was 0.016 $\mu\text{g}/\text{m}^3$, similar to 2011.
- Trail smelter’s releases of arsenic to air are amongst lowest in industry.



Trail Health and Environment Committee

Family Health Report

February 5, 2013

1. Winter 2013 Blood Lead Clinic

- Clinics are to be held Feb. 7th and 12th.
- 99 kids invited, of those 60 were targeted ie. CM children from the fall, families new to the area, children who couldn't come to the fall session due to children age < 6 months. Remaining are those that were unable to attend Fall clinic.
- Ages and Stages Day also on Feb. 12th.

2. Case Management

- 27 case management children from Fall 2012 clinic
- Contact made by either home visit, phone call or office visit for 26 children.

3. Vacuum

- 9 vacuums given out

4. Kyran Demo

- Childhood Lead Poisoning Prevention Program (CLPPP) Data System from Kyran company done Feb. 5, 2013

5. Community Education

- Attended Prenatal class in Trail in Fall 2012 with Home and Garden Program
- Attended Building Beautiful Babies Nov. 2012 and Jan. 31st 2013 with Home and Garden Program.
- Attended Early Pregnancy Event at KBRH in September 2012 and next one March 5th, 2013 with Home and Garden Program.
- Attending Strong Start in Fruitvale Feb. 18th, 2013 with Home and Garden Program.
- Attending Teddy Bear Picnic that is planned for June 26th, 2013 with Home and Garden Program.

6. Continuing Education

- Requested from IH an education leave and travel costs for Jeannine to attend the CDC National Healthy Homes and Lead Poisoning Prevention Training Center in Chicago March 19-21th. Awaiting response.

City of Trail
Select Committee of Council
Terms of Reference

NAME OF COMMITTEE:

Trail Health and Environment

MANDATE:

To reduce exposure to lead and other smelter metals in the community on a continual improvement basis.

FUNCTIONS:

Within their mandate, the Committee is to:

- Monitor, coordinate and advise Council on the implementation of the Trail Area Health & Environment Program ;
- Facilitate public communication and oversight with respect to delivery of services and progress towards the Committee's mandate;
- Provide for public financial accountability, especially in terms of public input on priority setting;
- Participate directly in the development of the final remedial plan for the area.

MEMBERSHIP:

Membership on the Committee shall consist of the following:

- The Mayor, or designate from City Council, who shall act as Chair;
- 1 member of City Council;
- 1 member appointed by the following organizations, or their designate:
 - Village of Warfield
 - RDKB Electoral Area 'A'
 - RDKB Electoral Area 'B'
 - Teck Metals Ltd.
 - Ministry of Environment
 - United Steelworkers, Local 480
- 2 members from the Interior Health Authority
- 4-6 members appointed from the public at large who are broadly reflective of the community.

Membership on the Committee shall reflect the desired experience, knowledge and expertise necessary to fulfill the Committee's mandate.

Members shall serve on the Committee without remuneration.

Once the remedial plan has been approved, the role of the Committee will be re-evaluated.

MEETINGS:

Meetings of the Committee shall be held at least quarterly and shall be open to all members of the public and media. A meeting of the Committee may also be called at the discretion of the Chair.

A quorum is 6 members.

On all matters requiring a decision, the Committee shall attempt to reach said decision by a process of consensus. If the Committee is unable to achieve a consensus, the decision shall be decided by majority vote.

Agenda packages will be sent to the members before the meeting and will exclude confidential information.

If any member considers an agenda item confidential, they will advise the Chair and that item may be discussed in camera at the discretion of the Chair.

BUDGET & EXPENDITURES:

Teck Metals Ltd. will provide funding, facilities and/or equipment if needed by the Committee to conduct meetings (eg: presentation equipment, photocopying, minute taking).

REPORTING:

The minutes of each meeting of the Committee must be legibly recorded and highlight key discussion points and record any decisions or recommendations the Committee may decide on.

The minutes shall be submitted to the Corporate Administrator's office for circulation to Council as soon as possible after the meeting. As the minutes will be available to the public, they will include reporting on items of general discussion and exclude any and all confidential material.

The Mayor shall report on the activities of the Committee at the next Regular Council Meeting after any Committee meeting.

The following parties shall submit a report to the Committee as noted:

- City of Trail staff will report to the Committee on street washing and dust suppression on alleys. City staff will also report to the Committee on community greening initiatives undertaken by the City.
- Teck Metals Ltd. representative will report to the Committee on the results of environmental monitoring and remedial activities including emissions reduction and monitoring, dust control, the Home Renovation Support Program, soil testing and remediation, primary prevention and case management services, property development remediation programs, greening, and environmental management planning.. The Teck representative may delegate reporting on the Home & Garden Program to their designated contractor, SNC Lavalin Environment.

- The Interior Health Authority staff responsible for the blood lead testing, primary prevention home assessments and education, family case management and education programs will report to the Committee on those programs. A Medical Health Officer will provide advice, including written guidance, to the Committee on an as needed/requested basis.
- The Trail Area & Environment Program Manager will report to the Committee on activities carried out in their role managing the implementation of services/actions in accordance with approved annual workplans.

THEP Program Manager's Report February 5, 2013

1. Program development

- The Program Team continues to meet once a month to prepare for launching the new primary prevention (PP) programs for families in April 2013.
- A program staff training session is planned for February 21 with Steve Hilts, Nelson Ames, Sonia Tavares and Fiona Mooney.
- We are establishing a group of advisors to advise the Program Team regarding ongoing PP program development, communications, monitoring and evaluation. A description of the group is attached.

2. Communications

- We are launching a new "Healthy Families: Healthy Homes" brand within the THEP brand. This logo will be used in the Family Health and Home & Garden Programs, especially with the new programs for families. For example, the "dust buster" kits for families will have labels with this logo attached to the major items.
- We propose to discontinue community-wide distribution of the newsletter. It costs about \$4,800 per year to have 4,400 copies of each newsletter mailed to all Trail households, and we have anecdotal evidence that it is not widely read. We plan to distribute the newsletter by personalized mail to our target mailing list of families, place stacks of newsletters at key locations (City Hall, Program Office, Kiro, Library etc.) and publish it on the website. The website has a place where readers can sign-up to receive an electronic version of the newsletter. We plan to announce this change to the community through the Trail Times and promote use of the website at the same time. The savings from targeted and electronic distribution will be approximately \$2,800 per year (not including the Trail Times ad).

QUESTIONS FOR DISCUSSION: What concerns does THEC have with this proposal? What notice to the community at large is recommended if/when we proceed?

3. Early Childhood Development

- Jeannine Stefani and Sonia Tavares met with the maternity and pediatric physicians group on January 29. The meeting went well and they have opened the door for future presentations to this group. They will give a verbal report with more details.

4. Intranet part of THEP Website

- We have contracted Michael Hepher's team to develop an intranet part of the THEP website for internal use by the Program Team. The intranet site is currently under development and is expected to be available for use within the next month. It will facilitate collaborative development of documents and materials. It will also be the main storage location for internal resource documents, standard forms, templates, logos etc.