

To: Regional and Corporate Services Committee
From: Jamie Benton, Environmental Services Coordinator

Date: 2018-10-11
File No: 5365-28

Subject: 2018 Southern Interior Waste Managers' Association Conference - overview

INTENT

This report is intended to advise the Committee of information pertaining to the recent Southern Interior Waste Managers' Association Conference, hosted by the Fraser Valley Regional District at the Harrison Hot Springs resort in September 2018. Staff is not looking for a recommendation and has forwarded this information should members want more clarification or to discuss the item further.

STRATEGIC AREA(S) OF FOCUS

Support Environmental Stewardship

Provide Responsive & Effective Public Services

PRIORITIES

Priority #1 Waste Management

Priority #2 Air & Water Quality

BACKGROUND

The Southern Interior Waste Managers' Association (SIWMA) was established in 1994 and is made up of representatives from 12 member regional districts and 3 associated municipal members. It is a small and personal conference which is convened annually and hosted by a different regional district each year. The Fraser Valley Regional District (FVRD) hosted this year's conference at the Harrison Hot Springs resort over 4 days from September 18 – 21, 2018. Member municipal representatives from the FVRD attended throughout including staff from Metro Vancouver.

The conference provides a venue for technical staff overseeing solid waste management and operations within represented regions and municipalities to exchange ideas, to share information about programs and initiatives, and to collaborate on issues related to solid waste reduction, public education, recycling and residual waste management. Opportunities are taken to visit local waste management facilities and to update participants on recent policy changes or new developments in solid waste management. The FVRD is included in SIWMA as our region borders the Thompson Nicola

Regional District and the Okanagan-Similkameen Regional District where infrastructure and programs are similar issues to our Electoral Areas and smaller municipalities.

DISCUSSION

A total of 61 people participated in this year's SIWMA conference including staff from local and provincial government, first nations, waste management companies and consultants as well as non-profit organizations (please see attached program outline for more details). A work shop, specifically for local government and Ministry of Environment staff was provided on the first day to review and discuss the *New Landfill Criteria* and to explore the potential ramifications across BC for local governments. A working group was convened to explore risk management solutions and next steps.

An official welcome was provided on the morning of Day 2 by the Mayor of the Village of Harrison Hot Springs, Director Leo Facio as well as a traditional First Nations welcome by Counsellor Boyd Peters from Sts'ailes First Nation. Day 2 provided a chance for each regional district to present and update each other on developments over the past twelve months.

On Day 3 the group toured several local waste management facilities including the Fraser Valley Biogas anaerobic digester and Redux Nutrition, both of which use food waste to make products and align with the food waste hierarchy. To understand the recycling process of small electronic products the group also toured eCycle Solutions.

Day 4 continued with several presentations that explored local programs and initiatives, including an introduction to mixed waste processing, the new mattress recycling facility in Hope, Household Hazardous Waste Day and the Illegal Dumping in Our Township campaign by the Township of Langley. Finally, Recycle BC presented on their program and were questioned on the decision to burn *other flexible packaging* as an energy fuel. The conference concluded by looking at the future use of landfills.

COST

The SIWMA conference does not impact the FVRD Solid Waste budget. It is entirely funded by a combination of contributions from sponsorship, registration of guests and the SIWMA budget which has been funded by membership fees since its inception. Costs to the FVRD relate to hotel accommodation (\$1,100) and time for organizing the event. The FVRD will not be required to organize SIWMA again until 2030.

CONCLUSION

The 2018 SIWMA conference was deemed a huge success by attendees. The FVRD was able to showcase initiatives and processes for organics diversion that are not currently occurring within the BC interior. A spotlight was provided to companies and organizations pursuing materials recovery and driving innovation in solid waste. The small and intimate nature of the SIWMA conference gave all participants a platform to network, connect and learn from each other. Regional districts will continue

to develop relationships and collaborate together to maximize diversion across British Columbia through the SIWMA forum.

COMMENTS BY:

Stacey Barker, Deputy Director of Regional Programs

Reviewed and supported.

Barclay Pitkethly, Director of Regional Programs

Reviewed and supported.

Mike Veenbaas, Director of Financial Services

Reviewed and supported.

Paul Gipps, Chief Administrative Officer

Reviewed and supported

SIWMA 2018 CONFERENCE AGENDA

Tuesday, September 18th

Time	Event
1:00 - 4:00 PM	Landfill Criteria Working Group - Cheam Room <i>Dr. Tony Sperling</i> <i>President</i> <i>Sperling Hansen Associates Inc.</i>
4:00 - 4.30 PM	Landfill Liability Management - Cheam Room <i>Deacon Liddy</i> <i>Principal</i> <i>GHD</i>
6:00 - 9:00 PM	Registration & Reception - Cascade Room <i>Light refreshments will be served</i>

LANDFILL CRITERIA WORKING GROUP

The primary purpose of the meeting is to explore the issue of off-site leachate migration from existing natural control landfill facilities that were permitted under old permits and/or the 1995 Landfill Criteria.

During the meeting we will look to achieve the following:

1. Review Section 4.1 of New Landfill Criteria, the Performance Criteria that addresses groundwater quality.
2. Review hydrogeologic system and transport mechanisms.
3. Review range of applicable water quality guidelines.
4. Compile a list of B.C. Landfills with suspected offsite migration issues.
5. Identify potential receptors of concern.
6. Identify problem parameters that are typically exceeding Water Quality Criteria.
7. Understand reporting requirements under Contaminated Site Regulation.
8. Understand how MOE is currently addressing the issue.
9. Understand downstream / downgradient sensitivities.
10. Identify a range of current solutions that are being adopted to address offsite migration.
11. Issues and associated costs.
12. Explore risk management solutions.
13. Identify next steps.

Wednesday, September 19th - Cascade Room

Time	Event
7:15 - 8:25 AM	Buffet Breakfast & Registration
	Each Presentation including Q & A - 20 minutes
8:30 - 9:00 AM	Welcome and Introductions <i>This includes a Sts'ailes First Nations welcome and a speech by the Mayor of the Village of Harrison Hot Springs. Please be mindful not to interrupt this session while in progress and stand up for the drum song.</i>
9:00 - 10:00 AM	Regional District Presentations (RDKB, RDCK, RDEK)
10:00 - 10:15 AM	Snack and Refreshment Break
10:15 - 12:00 PM	Regional District Presentations (CRD, SLRD, TNRD, CSRD, FVRD)
12:00 PM – 1:00 PM	Lunch
1:00 - 2:30 PM	Regional District & 2 Municipal Presentations (RDNO, RDCO, City of Kamloops, City of Kelowna, RDOS)
2:30 - 3:00 PM	SIWMA 2018 AGM
3:00 - 3:20 PM	Snack & Refreshment Break
3:20 - 3:45 PM	Flood Impacts on Waste Management <i>Rob McGregor Solid Waste Operations Coordinator Regional District of Kootenay Boundary</i>

The conference proceedings on Wednesday, September 19th are only open to local government representatives.

Thursday, September 20th (Bring closed toed shoes for tours)

Time	Event
7:15 - 8:25 AM	Buffet Breakfast - Cascade Room
8:30 - 8:45 AM	First Nations and Solid Waste in BC <i>Susan Balfour</i> <i>Special Projects Coordinator</i> <i>Sts'ailes First Nations</i> & <i>Pierre Joe</i> <i>Public Works Manager</i> <i>Sts'ailes First Nations</i>
8:45 - 9:00 AM	Expanding Recycling Opportunities for First Nations Communities in BC <i>Joy William</i> <i>First Nations Field Services Specialist</i> <i>Recycle BC</i>
9:00 AM - 9:25 AM	Encorp Pacific Program Updates - <i>Allen Langdon</i> <i>President & CEO</i> <i>Encorp Pacific (Canada)</i>
Board Bus for the Tour (meet at bus outside Cascade room)	
9:40 AM - 12:00 PM	Tour 1: Fraser Valley Biogas Inc., Abbotsford Snacks & Refreshments on the go
12:30 - 2:00 PM	Buffet Lunch - Shandhar Hut, Chilliwack
2:15 - 5:00 PM	Tour 2: eCycle Solutions, Chilliwack
2:15 - 5:00 PM	Tour 3: Redux Nutrition, Chilliwack Snacks & refreshments on the go

Friday, September 21st – Cascade Room

Time	Event
7:15 - 8:25 AM	Buffet Breakfast
8.30 - 9:00 AM	Feasibility of Mixed Waste Processing - <i>Wilbert Yang</i> <i>Senior Engineer</i> <i>Tetra Tech</i>
9:00 - 9:15 AM	Illegal Dumping in Our Township (IDIOT) Campaign - <i>Christopher Combe</i> <i>Solid Waste Coordinator</i> <i>Township of Langley</i>
9.15 AM - 9.30 AM	New Mattress Recycling Facility - <i>Fabio Scaldaferrì</i> <i>CEO, Co-Founder</i> <i>Pacific Mattress Recycling Inc.</i>
9:30 - 10:00 AM	Local Environmental Initiatives (Household Hazardous Waste Day, City Wide Garage Sale and Large Item Pickups) - <i>Tara Friesen</i> <i>Manager of Environmental Services</i> <i>City of Chilliwack</i>
10:00 - 10:15 AM	Snack & Refreshment Break
10:15 - 10:45 AM	New Collector Agreement and Program Plan - <i>Lyndsey Chauhan</i> <i>Director of Marketing and Communications</i> <i>Recycle BC</i> & <i>Bill Paton</i> <i>Field Services Specialist</i> <i>Recycle BC</i>
10:45 - 11:30 AM	Landfills in B.C., What The Future Holds - <i>Dr. Tony Sperling</i> <i>President</i> <i>Sperling Hansen Associates.</i>
11.30 - 11.45 AM	Closing Remarks
11:45 AM - 12:30 PM	Lunch - Boxed to either dine-in or take-out



SOUTHERN INTERIOR WASTE MANAGERS' ASSOCIATION
ANNUAL CONFERENCE

SEPT 18-21, 2018
HARRISON HOT SPRINGS, BC

HOSTED BY THE FRASER VALLEY REGIONAL DISTRICT

2018 SIWMA SPONSORS

PLATINUM SPONSORS



SPERLING
HANSEN
ASSOCIATES

GOLD SPONSORS



SILVER SPONSORS



BRONZE SPONSORS

