



BRITISH COLUMBIA WATER & WASTE ASSOCIATION

Tools for Liquid Waste Management Planning at the Local Government Level:
**Stormwater Planning Guidebook and
 On-Site Sewage Systems Management Toolkit**

Workshop #2: Prince George

Prince George Civic Centre, 1100 Patricia Boulevard
 May 29, 2003

Presented by:

BCWWA Watershed Management Committee and
 BCWWA Decentralized Wastewater Systems Committee

Sponsored By:

Environment Canada
 Province of British Columbia

	<i>Registration and coffee</i>	
08:30	Welcome	<i>Chris Johnston, BCWWA Watershed Management Chair</i>
08:35	Overview of the BC Liquid Waste Management Planning Process	<i>Johns Rowse, MOHP</i>
08:45	New Tools for Stormwater Planning in BC: ➤ Provincial <i>Stormwater Planning Guidebook</i> ➤ Template for <i>Integrated Stormwater Management Planning</i>	<i>Laura MacLean, Environment Canada</i>
9:30	Kelowna Experience with Implementing a Stormwater Plan – The Southridge Case Study	<i>Alan Newcombe, City of Kelowna</i>
10:15	<i>Break</i>	
10:45	Evaluating the Effectiveness of Stormwater Source Control: The Water Balance Modeling Approach	<i>Kim Stephens, Inter-Governmental Partnership Coordinator</i>
11:25	Case Study – Stormwater Planning in Prince George	<i>Dave Dyer, City of Prince George</i>
12:00	<i>Lunch (provided)</i>	
13:00	Development of Management Programs for On-Site Sewage Systems Seminar Overview	<i>George Giles, Giles Environmental Engineering</i>
13:30	More Toolkit and Questions	<i>George Giles, Giles Environmental Engineering</i>
14:30	<i>Break</i>	
14:50	"How is developing an On-Site Management Program like growing asparagus?" An environmental n.g.o.'s experience cultivating an OSM Program with the new Toolkit.	<i>Ronna-Rae Leonard, CVCARE</i>
15:40	"B.C.'s Draft Sewage Regulation"	<i>John Rowse, B.C. MOHP</i>
16:20	<i>Wrap-Up (10 minutes)</i>	

SEMINAR OVERVIEW – WORKSHOP #2: PRINCE GEORGE
On-Site Sewage Systems Management Toolkit and Stormwater Planning Guidebook

Overview

On-site sewage systems and stormwater management are the two most neglected areas of liquid waste management planning. This full-day session will provide a solid introduction to the new 'made-in-BC' tools developed for use by local governments and consultants in addressing on-site sewage systems and stormwater planning, as well as profiles of pilot projects undertaken by local government. Participants will be provided with a copy of the Toolkit and of the Guidebook.

Other Venues: Penticton and Cumberland

This is the second of three workshops planned for this Spring. The first workshop was held with the BCWWA's annual conference in Penticton on April 30. The third workshop will be held in Cumberland on June 19-20 as part of the "Saving Small Towns: Low Impact Development Solutions - Protecting the Character, Environment and Economics of Small Towns."

Part 1 – The Stormwater Guidebook

In B.C. stormwater planning is proposed to be addressed under a municipality's LWMP; however, until recently, very little guidance had been available to assist with the development of these plans. In March 2002, the Ministry of WLAP completed a *Stormwater Planning Guidebook for BC* to satisfy this need. The Guidebook is written for a broad audience, beginning with senior managers and elected officials in local government who need to understand why stormwater planning is important before committing to action. Subsequent sections of the Guidebook are aimed at a more technical audience and provide detail on identifying at-risk watersheds, developing performance targets and implementing site design features to meet these targets in demonstration projects. The Guidebook emphasizes an adaptive management approach, whereby stormwater solutions (and costs) can be optimized over time. The Guidebook and its key tool, *the Water Balance Model*, will be introduced, and two Okanagan case studies presented.

Part 2 - Toolkit for the Development of Management Programs for On-Site Sewage Systems

On-site systems are an integral part of liquid waste management in most parts of BC. Provision of sewers is becoming very expensive and many areas will not be sewered in the foreseeable future, if ever. This Toolkit was developed in response to a growing awareness of on-site system failures throughout BC and the need for ensuring that on-site systems are functioning properly. With proper management these systems offer a viable means of long-term wastewater treatment.

The advantages of managing on-site systems are multiple and include economic, social and environmental benefits for all stakeholders. The need for costly sewers and centralized treatment is eliminated, and health, property values, shellfish, resources, and tourism are protected. These factors make on-site system management a priority not only for local governments, but for the residents themselves.

The Toolkit presents a step-by-step approach to the development of a management program appropriate to local conditions using five phases (needs assessment, concept development, component selection, implementation and program evaluation). Strategies for risk assessment, financing, site evaluation, record keeping and delineation of responsibilities are also covered.

In this workshop, the "Toolkit" report will be presented and the results of a pilot test case of the "Toolkit" in the Union Bay area on Vancouver Island will be discussed.

Who should Attend?

This workshop will be of interest to municipal and regional staff, elected officials, regulators, consultants, watershed stewardship groups, and environmental societies.

Registration Form – Prince George, May 29, 2003	
May 29, 2003	
Cost:	BCWWA Member - \$65.00 Non Member * - \$99.00
(Please add 7% GST to registration fee #128755352) (Includes one year membership in BCWWA)	
Payment: <input type="checkbox"/> Cheque <input type="checkbox"/> VISA <input type="checkbox"/> Mastercard	Total Amount included: \$_____
Card # _____	Expiry Date: _____
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0.6 CEUs will be awarded

Cancellation:

Refunds will be given for cancellations received in writing by May 22, 2003, subject to an administration fee of \$50.00 plus GST for a total of \$53.50. If you register after May 22, 2003, your order is considered firm. Refunds will not be given, however, a delegate substitution is welcome at all times.

Contacts:

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