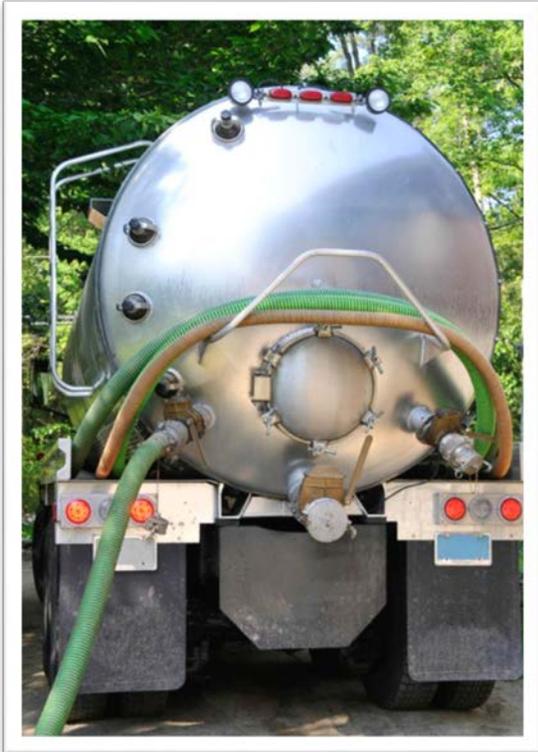


Trucked Liquid Waste Program

2016 Annual Report

Parks & Environmental Services

Environmental Protection



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TRUCKED LIQUID WASTE PROGRAM 2016 ANNUAL REPORT

BACKGROUND

Under Section 19 of the Core Area Liquid Waste Management Plan, the Capital Regional District (CRD) implements a program to coordinate the collection and disposal of trucked liquid waste (TLW). TLW are non-domestic liquid wastes that are prohibited from discharge to sanitary sewer or stormwater systems and must be transported by truck to a disposal facility. Examples of TLW include catch basin, grease interceptor and oil/water separator wastes.

The CRD's Trucked Liquid Waste Program (the Program) addresses the Core Area Liquid Waste Management Plan requirements related to management of TLW. The objective of the Program is to ensure that TLW is handled and disposed of in an appropriate and responsible manner, to protect the environment and public health. The Program's goals are to:

- promote pollution prevention
- promote informed decisions by the industrial, commercial and institutional sector on liquid waste disposal
- encourage the development of appropriate and cost effective facilities
- encourage and increase compliance with regulations

A key component of the Program is industry partnership and outreach that promotes education of TLW generators and haulers. The Program educates service providers regarding disposal options, waste pre-treatment, and maintenance requirements. The Program routinely prepares outreach materials regarding TLW issues and presents relevant topics at annual stakeholder meetings.

OUTREACH AND EDUCATION

Staff coordinated a number of outreach initiatives in 2016 specifically targeting TLW haulers and waste generators. The following outlines activities completed in 2016.

Fall Ad Series

The annual fall advertising program focusses on catch basin maintenance and clean outs and typically runs in early October prior to the rainy season. Communications and media plans were updated to effectively target the intended audience (businesses and business associations). The following media were used to promote catch basin cleaning:

- Paper and electronic news publications (see Figure 1)
- Magazines
- Radio
- Facebook and Twitter

Website metrics indicate the ad campaign is successful at directing traffic to relevant pages on catch basin cleaning throughout the duration of the campaign.

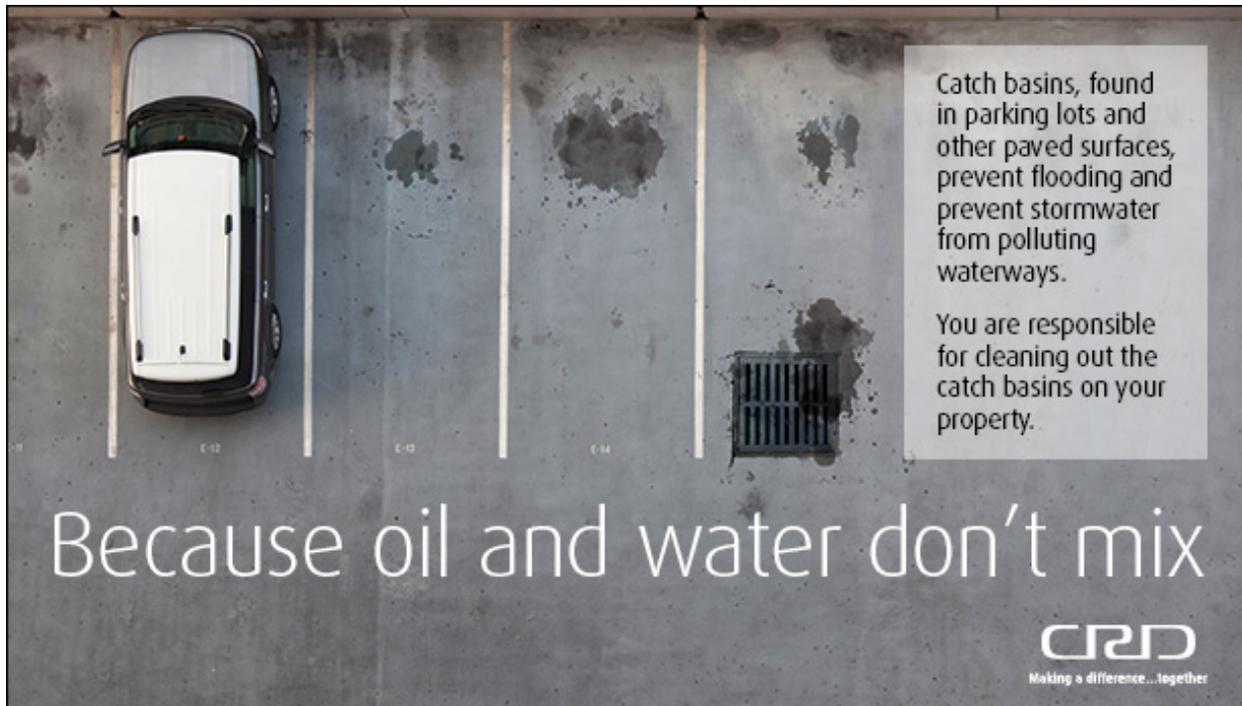


Figure 1 Example of Fall Catch Basin Ad, 2016

Website

The CRD TLW web page includes a service provider directory, information on proper management and disposal of wastes, catch basin facts, technical reports and tools for waste management. The service provider directory is a useful tool to connect generators with service providers to ensure responsible waste management. The directory and TLW pages are reviewed regularly and updated, as needed.

The majority of website traffic was related to catch basin maintenance and servicing, which is the focus of the TLW fall ad campaign series. Analysis of page views reveals that the majority of web traffic occurs throughout the duration of the ad campaign. This web content is a unique regional resource for individuals and businesses looking for information on catch basins.

Catch Basin Maintenance Pamphlet

In collaboration with the Integrated Watershed Management (IWM) Program, the annual catch basin information pamphlet was improved in 2016 and incorporated within IWM 'Watershed-wise business' pamphlet series. The intent of the 'Watershed-Wise Business' series is to provide comprehensive information on all aspects of stormwater protection and management to regional businesses.

TLW Characterization Study

A TLW characterization study was completed in 2016 in partnership with the CRD's Regional Source Control Program (RSCP). Point of disposal samples were collected to document and correlate waste classes and quality. The data support discharge objectives at the treatment facility. The results will improve understanding of the types of TLW discharged at the local treatment facility and will help to guide future outreach efforts.

INDUSTRY RELATIONS

CRD staff routinely liaise with the TLW industry to inform outreach objectives and areas for research. Industry liaison includes periodic consultation with the TLW stakeholders' group and annual tours/meetings with service providers or waste generators.

In 2016, TLW, IWM, and RSCP staff partnered to audit the wet-cutting sector which includes water-jet cutting, and water-cooled cutting; these activities produce both semi-solid and liquid waste streams. These waste streams are subject to regulatory requirements when discharged to landfill or sewer, respectively. In total, staff between the 3 programs visited 25 businesses and provided education and information on proper management of both waste streams. Where required, information and findings were forwarded to municipalities for follow-up or action under their stormwater management bylaws.

WASTE QUANTITIES

Catch Basin and Vehicle Wash Waste

Annually, staff review catch basin waste quantities disposed of at local disposal facilities. This allows staff to assess the effectiveness of outreach activities, as well as track maintenance cycles. It is anticipated that a large portion of catch basin and vehicle wash wastes are not accounted for due to private and out-of-region disposal/reclamation facilities.

Data for 2016 indicate that while annual totals may vary, total quantities received at both Hartland Landfill and SPL Wastewater Recovery Center have increased over the last 3 years. Between 2013 to 2016 catch basin waste quantities disposed of at local facilities significantly increased (more than tripled).

CONCLUSION

In 2016, the Program continued to successfully improve regional TLW management practices. Program performance measures demonstrate that the Program effectively reaches waste generators and improves regional management of TLW. Outreach and education activities continue to promote proper maintenance practices for catch basins. Staff also continue to work with waste generators, haulers and other stakeholders to achieve program goals and to meet requirements under the Core Area Liquid Waste Management Program.