

Trucked Liquid Waste Program 2018 Report

Capital Regional District | Parks & Environmental Services, Environmental Protection



Prepared by:
GeoEnvironmental Programs

Capital Regional District
625 Fisgard Street, Victoria, BC V8W 2S6
T: 250.360.3000 F: 250.360.3079
www.crd.bc.ca
October 2019

TRUCKED LIQUID WASTE PROGRAM 2018 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). TLWs 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 TLWs 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; and
- encourage and increase compliance with regulations.

These goals are achieved through industry partnerships, as well as outreach and education of TLW generators and haulers. The Program educates service providers regarding disposal options, waste pre-treatment, and maintenance requirements through outreach materials and via presentations at annual stakeholder meetings. The 2018 Program initiatives are summarized below and include outreach and education, industry relations and waste quantity monitoring.

OUTREACH AND EDUCATION

In 2018, outreach initiatives targeted TLW haulers and waste generators to advertise appropriate management and disposal options through advertising, web content and events.

Advertisements: Fall Series

TLW advertising programs typically focus on catch basin maintenance and clean outs and run in October through November. The ads series are targeted to run prior to the start of the fall rains. 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
- Social media

Website metrics indicate the ad campaign was successful at directing traffic to relevant pages on catch basin cleaning throughout the duration of the campaign. In 2019, the outreach program will be expanded to include outreach in the spring.



Figure 1 Catch Basin Ad, 2018

Website

The CRD's TLW website 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. This web content is a unique, regional resource for individuals and businesses looking for information on catch basins.

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.

Outreach Events

Program staff collaborate with other CRD programs and share outreach material and events. The TLW catch basin pamphlet is part of the watershed-wise pamphlet series, which is delivered through many CRD outreach programs.

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 and annual tours and/or meetings with service providers or waste generators.

In March 2018, the TLW stakeholders met with the service providers at an annual event for industry representatives and service providers. This annual event provides an opportunity for comment on outreach programs, industry needs or emerging issues regarding TLW. The Program presentation summarized the Program purpose and goals, as well as upcoming 2018 and 2019 plans.

In November 2018, staff surveyed local TLW haulers asking for input on regional disposal services, waste management practices, and catch basin maintenance. Haulers were approached at point of disposal and given the survey. Of the 37 haulers licensed to use the facility, 22 completed a survey.

The survey indicated that:

- The majority of respondents hauled multiple waste types, including catch basin waste, septage, fats, oils and grease, and used oil.
- One-third of respondents indicated that they haul wastes out of region. Currently, used oil/hazardous waste disposal facilities reside out of region, which may account for this statistic.
- Reasons for catch basin service requests were largely split between routine maintenance and emergency services calls (flooding, blockage, etc.). This may indicate the need for increased, or more targeted outreach.

During the survey period, service providers verbally raised concerns over disposal costs, lack of competition for in-region TLW disposal, as well as waste generator and sector-specific issues. Some comments were forwarded to the CRD's Regional Source Control Program for follow-up investigation. While the CRD has no regulatory jurisdiction over TLW management and disposal outside of Hartland landfill, staff will continue to work with stakeholders to promote a fair and transparent service across the region.

UPCOMING SEPTAGE SERVICE AND ENGINEERING REVIEW

In 2019, staff will be undertaking a review of the current septage disposal facility and service. While the Septage and TLW programs are separate services, the wastes share the same disposal facility. As a result, the services share many of the same risks, including absence of alternate emergency options, equal access for haulers, and escalating disposal costs. The project will include a detailed engineering review to assess current performance of the service and future options to support continued and efficient service over a 30-year horizon. Results will be presented in a future TLW Program report.

WASTE QUANTITIES

TLW disposal quantities are routinely assessed for trends and cycles. The data contributes to regional planning efforts and supports outreach activities. A large portion of TLWs are disposed of at private and out-of-region facilities and those volumes are not available for assessment. Regardless, in 2018, total quantities received at both Hartland Landfill and SPL Wastewater Recovery Center have increased over the last four years. From 2013 to 2018, vehicle wash sump and catch basin waste quantities disposed of at local facilities more than tripled.

CONCLUSION

The Program continues to successfully improve TLW management practices within the region. Program performance measures demonstrate that the Program effectively reaches waste generators, but that more aggressive or targeted outreach may be required to encourage a shift to routine, rather than emergency catch basin maintenance. Outreach and education activities continue to promote proper maintenance practices for catch basins. Staff continue to work with waste generators, haulers and other stakeholders to achieve program goals and to meet requirements under the Core Area and Saanich Peninsula Liquid Waste Management programs.