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# Trucked Liquid Waste Program 2013 Annual Report

Parks & Environmental Services

Environmental Protection



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## **TRUCKED LIQUID WASTE PROGRAM 2013 ANNUAL REPORT**

### **BACKGROUND**

Under Section 19 of the Core Area Liquid Waste Management Plan (LWMP), the Capital Regional District (CRD) implements a program to coordinate the collection and disposal of trucked liquid waste (TLW). Trucked liquid waste is non-domestic liquid wastes that cannot be legally discharged to sanitary sewer or stormwater systems and must be transported by truck to an offsite disposal facility. Examples of TLW include catch basin, grease interceptor and oil/water separator wastes.

The program objective is to ensure that TLW is handled and disposed of in an appropriate and responsible manner to protect public health and the environment. The four goals of the program are:

1. Ensure appropriate disposal of TLW by generators
2. Ensure proper and affordable disposal services available for all TLW
3. Promote appropriate government services
4. Build public support for the TLW program

A key component of the TLW program is an education and outreach program that provides information and increases awareness of proper disposal options for both generators and haulers. The program also educates generators on requirements of waste pre-treatment and maintenance requirements under the Sewer Use Bylaw and the Municipal Stormwater Bylaw. In 2013, the annual budget for the TLW program was \$52,376.

### **OUTREACH**

Staff coordinated a number of outreach initiatives in 2013, specifically targeting TLW haulers and waste generators. The following outlines activities completed in 2013, and includes a summary of related projects planned for 2104.

#### **Fall Ad Series**

The fall ad series is an annual advertising program that is typically run in early October. In 2013, advertisements regarding catch basin maintenance were placed in numerous news publications to remind waste generators/property owners to inspect and clean out their catch basins. The list of news publications included:

- Black Press Daily
- Times Colonist
- Business Examiner
- Chamber of Commerce – Business Matters
- Chamber of Commerce – Business News E-Mail newsletter

For 2014, additional publications and business working groups/networks will be targeted for advertisements and outreach opportunities.

#### **Service Provider Directory and Website**

Staff maintains information regarding TLW on the CRD website, which includes information on proper management and disposal of wastes, catch basin facts, technical reports and tools for waste haulers, as well as a service provider directory.

In 2013, there were over 1,300 visits to the TLW webpages, which is a decrease from last year. This decrease may be attributable to the CRD website upgrade which included relocation of TLW-related webpages under a different service category. The majority of web traffic was related to catch basin maintenance and servicing, which is the focus of the TLW fall ad campaign series and indicates that outreach material is successfully directing traffic and interest to these pages.

The intent of the service provider directory is to assist waste generators in finding a hauler to remove waste. The directory and TLW pages are reviewed regularly and updated, as needed. However, in 2013, a review of functionality and usage was conducted and the directory was updated to remove redundant or unused pages. Maintenance of company information is completed on an as-needed basis, though a more thorough review of contact information will be completed in 2014.

### **Catch Basin Maintenance and Messaging**

A key finding of a 2012 study regarding catch basins indicated that catch basin and oil/water separators should be completely emptied when they are cleaned out. TLW staff discussed this with other CRD programs involved with catch basin and oil/water separator maintenance and disposal, in order to achieve consistent messaging. Staff also raised the issue at an industry stakeholders meeting and concluded that CRD messaging on this topic was inconsistent. As result, TLW staff in partnership with the Integrated Watershed Management Program, plan to release clear information outlining catch basin maintenance procedures to the industry in the form of a video or series of videos. This project is intended to resolve confusion over maintenance procedures and outline the importance of regular maintenance to prevent environmental contamination and property flooding. This work will be completed and presented to stakeholders in 2014.

### **Collaboration with Source Control Inspectors**

In 2013, staff partnered with the Regional Source Control Program (RSCP) to distribute outreach material on catch basin maintenance to property owners and waste generators. RSCP inspectors were also asked to collect basic information from businesses with regard to their knowledge on catch basin cleanout and inspection cycles. A small information card was provided to the business owner/staff with a web link to information on catch basin maintenance procedures.

Results from RSCP inspectors indicated that the majority of business owners contacted were not aware of catch basin maintenance procedures as the work was coordinated by the property owner. TLW program staff determined that this method of outreach may not be targeting the appropriate audience. While RSCP inspectors can provide contact information for those with questions or outreach material if asked, requests for information from business owners/staff have ceased.

### **INDUSTRY RELATIONS**

CRD staff tries to foster and maintain positive working relationships with the TLW industry, which helps inform new outreach objectives and areas for research. Industry liaison includes periodic consultation with a TLW stakeholders group, a TLW facility tour and an annual stakeholder meeting.

### **Private Operations**

Every year, tours are conducted to increase staff knowledge of TLW processing/disposal and to foster positive working relationships with the industry. In 2013, staff conducted a site visit at Newalta Corporation, a used oil recovery and transfer station. The facility processes used oil and oil/water separator waste for offsite treatment/disposal.

## **Stakeholder meeting**

In September 2013, the TLW stakeholders met with the Onsite Management Program service providers. The stakeholder meeting is an annual event held to invite industry representatives and service providers to comment on CRD outreach programs or raise current or emerging issues regarding TLW to CRD staff. A presentation was given to stakeholders and summarized the purpose and goals for the program as well as planned outreach initiatives and studies. Staff placed an emphasis on linkages to other CRD programs such as the Integrated Watershed Management Program and the Hartland Controlled Waste Program, in order to provide a greater context for the industry.

## **WASTE QUANTITIES**

### **Catch Basin and Vehicle Wash Waste**

Staff annually reviews 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. Data for 2013 indicate that while annual totals may vary, total quantities received at both Hartland Landfill and SPL Wastewater Recovery Center indicate a decrease over the last four years. Average disposal quantities have decreased from 487,740 kg in 2010 to 324,760 kg in 2014; a similar trend is observed for vehicle wash wastes. Consultation with the industry has indicated that numbers may be lower due to out-of-region disposal/recycling facilities. In addition, analysis of trends in the data may be difficult due to inconsistent maintenance intervals and variable sediment accumulation.

For 2014-2015, outreach efforts may be expanded to directly target the vehicle wash sector, as well as include new initiatives for the catch basin outreach program.

## **CONCLUSIONS**

The TLW program continues to make progress in the regional coordination of TLW disposal. Baseline data continues to be collected for future program performance measures. Outreach and educational activities continue to focus on promotion of proper maintenance practices for catch basins and where possible staff pursues collaboration opportunities with other CRD programs/initiatives. Staff continues to work with waste generators, haulers and other stakeholders to achieve program goals and to meet requirements under the Core Area LWA.