



**REPORT TO CORE AREA LIQUID WASTE MANAGEMENT COMMITTEE
MEETING OF WEDNESDAY 22 SEPTEMBER 2010**

SUBJECT **TRUCKED LIQUID WASTE PROGRAM – 2009 ANNUAL REPORT AND RESULTS OF FIVE-YEAR REVIEW**

ISSUE

To present the Trucked Liquid Waste Program (TLWP) 2009 annual report and five-year program review to the Core Area Liquid Waste Management Committee

BACKGROUND

The purpose of the TLWP is to educate generators and service providers to ensure trucked liquid waste is handled and disposed of in an appropriate and responsible manner to protect human health and the environment.

The 2009 TLWP annual report is attached as Appendix A. The Capital Regional District (CRD) Core Area Liquid Waste Management Plan (LWMP) commits to reviewing the effectiveness of the TLWP every five years. The first independent five-year review of the program (2004-2008) has been completed and the five-year review findings are summarized in the executive summary of the report *CRD Trucked Liquid Waste Program Five-Year Review, 2004-2008* by Morrison Hershfield Ltd., found in Appendix B. The full report is available on request from the Environmental Sustainability department. A commitment in the LWMP requires that this report be forwarded to the Ministry of Environment.

The review found that significant milestones and achievements were recorded during the review period and that all TLWP commitments under the LWMP were met.

ALTERNATIVES

That the Core Area Liquid Waste Management Committee:

1. (a) recommend to the Board that the reports *Trucked Liquid Waste Annual Report 2009* and *CRD Trucked Liquid Waste Program Five-Year Review (2004-2009)* be received for information and forwarded to the Ministry of Environment to comply with Core Area Liquid Waste Management Plan reporting requirements; and
- (b) direct staff to bring back a five-year plan (2011-2015) for the program in November 2010; or
2. (a) recommend to the Board that the reports *Trucked Liquid Waste Annual Report 2009* and *CRD Trucked Liquid Waste Program Five-Year Review (2004-2009)* be received for information and forwarded to the Ministry of Environment to comply with Core Area Liquid Waste Management Plan reporting requirements; and
- (b) direct staff to continue the trucked liquid waste program without developing a new five-year plan.

ECONOMIC IMPLICATIONS

Funding for the TLWP of \$50,210 is included in the annual budget for the regional septage function.

CONCLUSION

An independent five-year review of the TLWP has been conducted to meet the reporting commitments in the LWMP. Recommendations from the review will be incorporated into an action plan to guide the program over the period 2011-2015, which will be presented to the committee for approval in November.

RECOMMENDATIONS

That the Core Area Liquid Waste Management Committee:

1. recommend to the Board that the reports *Trucked Liquid Waste Annual Report 2009* and *CRD Trucked Liquid Waste Program Five-Year Review (2004-2009)* be received for information and forwarded to the Ministry of Environment to comply with Core Area Liquid Waste Management Plan reporting requirements; and
2. direct staff to bring back a five-year plan (2011-2015) for the program in November 2010.

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COMMENTS

CR:cam
Attachments: 2

**TRUCKED LIQUID WASTE PROGRAM
ANNUAL REPORT 2009**

1.0 BACKGROUND

Under Chapter 12 of the Core Area Liquid Waste Management Plan (LWMP), the CRD commits to 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 be disposed of offsite. Examples of TLW include catch basin, grease interceptor and oil water separator wastes.

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

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

Using an educational approach, the TLW program continues to provide information on and increase awareness of proper disposal options at the generator and hauler level, as well as to ensure that appropriate and affordable options are available in the region. Generators continue to become more aware of requirements of pretreatment and maintenance requirements under sewer use and municipal stormwater bylaws.

2.0 TRUCKED LIQUID WASTE PROJECTS

In 2009, the annual budget for the Trucked Liquid Waste program was \$48,990. Eight projects were initiated to assist the TLW program in achieving its four goals. The details of these projects are outlined below.

2.1 TLW Communications

Several activities related to TLW communications were completed in 2009.

- A TLW fact sheet was created to inform generators about catch basin maintenance requirements.
- A mail package was sent to approximately 4000 owners of catch basins in the Capital Region, which included the TLW fact sheet, as well as a mailer created in 2008 that provides information about the CRD's web-based Service Provider Directory.
- Advertisements ran in Black Press newspapers in spring 2009 to remind generators to maintain their catch basins.
- An editorial was written about catch basin maintenance for the fall 2009 Times Colonist *Green Guide*.
- An autumn TLW advertisement was created which ran in the fall 2009 Times Colonist *Green Guide*.

2.2 TLW Service Provider Directory and TLW Website

A review of information on the TLW service provider directory was conducted in 2009, and contact information was updated for several services providers. Information on the TLW website continues to be updated regularly.

2.3 Municipal Operations

As a pilot project for potential future services, a site visit to a municipal public works yard was conducted by CRD staff to review practices for the disposal of TLW. CRD staff identified several potential opportunities to reduce waste disposal costs.

2.4 Catch Basin Toolkit

The TLW program contracted SNC-Lavalin to create a service provider assessment tool which was completed in 2009. The tool is based on the findings of the 2007 report "*Catch Basin Wastes — Information for Business Owners and Waste Generators*". This tool provides businesses and waste generators with information about catch basins, and includes a simplified flow chart for evaluation of catch basin waste and a sample waste manifest. This tool will help to promote consistent practices among the service providers in the region.

2.5 Stakeholder Meeting

The TLW stakeholders met in April 2009. Items discussed at the meeting include consultation on the Catch Basin mail-out to parking lot owners, a review of several reports completed in 2008, and an update on CRD activities related to the Onsite program.

2.6 Five-Year Program Review

Under the Core Area LWMP, the TLW program commits to a five year review of program effectiveness. A review for 2004–2008 was conducted by Morrison Hershfield Ltd., and was substantially completed in 2009.

2.7 Collection of Baseline Catch Basin Volumes

Volumes of catch basin wastes disposed of at Hartland Landfill and SPL in 2008 were reviewed in 2009 for comparison to previous years. Volumes of waste disposed of at Hartland and SPL have generally continued to increase annually, indicating improved awareness of appropriate disposal of TLW in the community, as well as knowledge of requirements for maintenance under the CRD Sewer Use Bylaw and municipal stormwater bylaws.

2.8 Survey of Disposal Costs from Service Providers

A survey of service providers was conducted to determine disposal costs for each type of TLW listed in the Service Provider Directory. This information is for internal use only, and will help the TLW program to continue to review and assess whether disposal costs contribute to improper disposal practices.

3.0 CONCLUSIONS

Significant progress was made in the regional coordination of TLW disposal. Baseline data continues to be collected for future program performance measures. Considerable outreach and educational activities were undertaken to promote proper maintenance practices for catch basins. A toolkit was developed to help promote consistent practices in the region. The program continues to work with waste generators, haulers and other stakeholders to achieve program goals and to meet requirements under the Core Area LWMP.

**CRD Trucked Liquid Waste Program Five-Year Review (2004-2008)
by Morrison Hershfield Ltd. – 22 March 2010**

EXECUTIVE SUMMARY

Trucked Liquid Waste (TLW) refers to non-domestic liquid wastes that cannot be discharged to the sanitary sewer system or the storm drain system because of the obstructive or deleterious nature of the waste. The Capital Regional District maintains a TLW program with the goal of ensuring that the wastes are handled in a manner that protects human health and the environment. This CRD program was mandated through the 2000 Core Area Liquid Waste Management Plan. The program officially commenced in 2004 following provincial approval of the LWMP in 2003. As part of the LWMP mandate, the CRD is required to conduct a review of the program at five-year intervals to evaluate program performance. This report outlines the results of the program five-year review for the 2004 – 2008 period.

The specific objective of this review is to assess progress made during the 2004 – 2008 review period towards meeting the program's objectives and its associated LWMP commitments. Incorporated within the review is an assessment of the program activities directed towards: TLW generators; TLW disposal and treatment service providers; and, senior governments to ensure coordinated service delivery.

Significant program milestones and achievements were recorded during the review period including:

- Comprehensive program review conducted in 2004 which prioritized key issues and re-focused program on those key issues. Program performance measures were subsequently developed to measure program effectiveness;
- A web-based TLW service provider directory was launched in 2007, recording over 500 "page hits" in just over a year;
- Completion of a study which provides guidance to generators and haulers on catch basin maintenance and options for treatment and disposal of catch basin wastes (SNC Lavalin 2008);
- Program supported the development of a pilot catch basin waste decant facility . Results indicated that wastes could be managed responsibly at a substantially reduced cost relative to disposal at Hartland Landfill;
- Three stakeholder meetings were held with service providers during the review period. A catch basin subcommittee was formed to address the highest priority TLW issue. This subcommittee guided the development of the pilot catch basin waste decant facility;
- All TLW LWMP commitments were met during the review period.

The results of the review indicate that the TLW program has been effective at improving TLW management awareness and practices in the industrial and commercial sectors. Through the building of strong relationships with disposal service providers, the program has also helped to increase the number of licensed disposal options within the District. Resource recovery initiatives in other jurisdictions (Metro Vancouver) provide examples of potential opportunities for future TLW management options in the CRD. Limited progress has been made in engaging senior government agencies in TLW management issues. Information collected by the program indicates that future efforts should be focussed on improving municipal catch basin waste management practices.



Program recommendations generated during the review include:

- Distribute results of 5-year program review to Ministry of Environment;
- Maintain online TLW service providers directory and monitor usage; Encourage business associations to promote/advertise website;
- Maintain at minimum annual meetings with TLW Service Provider Stakeholder group to help identify new issues as they arise;
- Focus program initiatives on municipal catch basin management and consider the following specific initiatives:
 - o Form a municipal catch basin waste generators stakeholder group;
 - o Invite Ministry of Environment to participate in stakeholder group;
 - o Obtain agreement of stakeholder group members to provide information to allow the TLW program to track catch basin waste volumes and disposal methods.
- Encourage the consideration of TLW resource recovery opportunities during the design of wastewater treatment facilities in the Core Area.
- Develop a new five-year implementation plan for the TLW program for the period 2010 – 2014. Simplify and focus the program plan by redefining project goals and performance measures to clearly address the priority issue of municipal catch basin waste management.

