



CITY OF RICHMOND

REPORT TO COMMITTEE

TO: Public Works and Transportation Committee
FROM: Jeff Day, P.Eng., Director, Engineering
RE: Liquid Waste Management Plan – Stage 3

TO PW+T. - MARCH 21, 2001
DATE: March 8, 2001
FILE: 0157-20-LWMP1

STAFF RECOMMENDATION

That Council adopt the Waste Management Plan entitled Greater Vancouver Regional District Liquid Waste Management Plan, February 2001 and authorize the Greater Vancouver Regional District to submit the Liquid Waste Management Plan to the British Columbia Minister of Environment, Lands and Parks for approval pursuant to Section 18(1) of the British Columbia Waste Management Act.

Jeff Day, P.Eng.
Director, Engineering

Att. (1)

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CONCURRENCE OF GENERAL MANAGER

STAFF REPORT

ORIGIN

Last May, Council adopted the Waste Management Plan titled "Greater Vancouver Regional District (GVRD) Liquid Waste Management Plan (LWMP) Stage 2 Policies and Commitments" dated March 2000 and authorized the GVRD to submit the LWMP Stage 2 to the British Columbia Minister of Environment, Lands and Parks for approval pursuant to Section 18(1) of the British Columbia Waste Management Act.

In November 2000, the Minister approved the LWMP Stage 2 and authorized the GVRD to proceed to Stage 3. The GVRD has committed to the Minister to submit the LWMP Stage 3 Plan by March 30, 2001.

ANALYSIS

All 22 member municipalities and electoral areas have endorsed Stage 2 with 11 of the 22 endorsing Stage 3 at the same time. When Council approved the LWMP Stage 2, staff could not recommend to Council to also support the approval of the LWMP Stage 3 carte blanche as requested by the GVRD without understanding what Stage 3 would financially commit the City to.

Since November, staff has been working with GVRD staff to develop the implementation plan and financial commitments. A summary of the City of Richmond's commitments to the LWMP Stage 3 was provided to Mayor and Councillors in the form of a memorandum dated February 1, 2001 by the Manager, Engineering Planning (Attachment 1). Further to the February 1, 2001 memorandum, staff has requested the GVRD to increase the representation on the Environmental Monitoring Committee for the Fraser/Lulu Sewerage Area from one representative to two, which the GVRD has now agreed to.

In summary, the City will only commit to continuing with its regular infrastructure programs at the current budgeted levels. Administrative costs related to the review and development of new policies and/or bylaws will be incorporated into the annual operating expenses. The cities of Vancouver, Burnaby and New Westminster are the most impacted as the result of their commitments to eliminate the combine sewer overflows (CSO's).

Once approval for the LWMP is received from the Minister, it will take effect and become the management plan for liquid waste in the region. A comprehensive biennial reporting format will then be established which would allow the member municipalities and the GVRD to record their progress to the Minister. The plan includes a review every five years to determine the progress made and continued relevance of the Policies and Commitments.

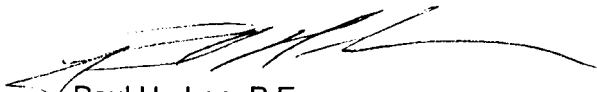
FINANCIAL IMPACT

None, no additional levels of service.

CONCLUSION

A Liquid Waste Management Plan, dated February 2001, has now been prepared through a consultative process with stakeholders, GVRD staff, environmental groups, general public and all member municipalities. The objective of this LWMP is to apply a scientific approach to ensure the protection of the receiving waters that is feasible and defensible with respect to the federal and other environmental legislation.

There are two outstanding issues that the GVRD are still trying to resolve. These being the harmonization of the LWMP with the Federal Legislation and the Vancouver Port Authority's Outfall Policy. The GVRD will continue to negotiate with these two parties in the hope to develop a memorandum of understanding (MOU) with all parties through the BIEAP/FREMP (Burrard Inlet Environmental Action Program/Fraser River Estuary Management Program) partnership. This partnership includes the Ministry of Environment, Lands and Parks, Environment Canada, Fisheries and Oceans Canada, the Vancouver Port Authority, North Fraser Port Authority and the Fraser River Port Authority.



Paul H. Lee, P.Eng.
Manager, Engineering Planning

:phl



**CITY OF RICHMOND
ENGINEERING & PUBLIC WORKS**

MEMORANDUM

TO: Mayor and Councillors
FROM: Paul H. Lee, P.Eng.
Manager, Engineering Planning
DATE: February 1, 2001
FILE: 0157-20-REAC1-03

RE: Liquid Waste Management Plan (LWMP) – Phase 3 Update

As a follow up to my memorandum dated November 28, 2000, the following progress have been made to complete the LWMP Stage 3 and fulfil the GVRD's commitment to submit Stage 3 to the Minister, Environment, Lands and Parks by March 30, 2001:

The draft LWMP Stage 3 Plan is complete and under review.

The draft Stage 3 Plan includes the following implications to the City of Richmond:

1. Implementation plan and financial commitments by each member municipalities to support the Policies and Commitments identified in Stage 2.

The implementation plan and financial commitments were developed in consultation with City staff. Staff were requested to identify their City's current (and future if known) budgets allocated to the applicable commitments and to identify a completion year within 2001 and 2005).

The City will be committed to the following implementation schedule and financial commitments:

Commitment 19 – Infrastructure Management

Sewer System Evaluation Programs: \$350,000 / year (2001 budget) which is ongoing.
Sewer Repair and Replacement Programs: \$2.3 M / year (2001 budget) which is ongoing.

Staff qualified the financial commitment by specifying that the amount is only included in the 2001 budget and the amount may vary in future years.

Commitment 38 – Policies and Bylaws

Adoption or updating of policies or bylaws to address two stormwater issues: Included in annual budget (operating) and commitment to complete by 2005.

Staff expects that this work will be incorporated into their annual operating expenses.

Commitment 39 – Rate of Watershed – Scale Stormwater Planning Work

Integrated Stormwater Planning: Included in annual budget and ongoing.

Staff recognize that there are no watersheds in Richmond and upon discussion with GVRD staff, it is understood that the City's commitment will be limited to developing its Drainage Master Plan.

Staff expects that this work will be incorporated into their annual operating expenses.

Commitment 41 – New Marinas and Major Renovations

Modification of bylaws: Included in annual budget and commitment to complete by 2004.

Staff expects that this work will be incorporated into their annual operating expenses.

2. Operating certificates for each of the GVRD wastewater treatment plants.

For each wastewater treatment plant, the maximum discharge and quality of effluent are specified along with their respective emergency procedures.

3. Terms of reference for the Environmental Monitoring Committee (EVM) and the Stormwater Interagency Liaison Group (SILG).

Membership proposed for the EVM will be as follows:

GVRD - 2 reps

North Vancouver Sewerage Area – 1 rep

Vancouver Sewerage Area – 1 rep

Fraser/Lulu Sewerage Area – 1 rep (therefore, 1 from Richmond)

Institute of Resources and Environment (UBC) – 1 rep

Simon Fraser University – 1 rep

UBC – 1 rep

Ministry of Environment, Lands and Parks (1 regional and 1 from Victoria) – 2 reps

Department of Agriculture – 1 rep

Department of Fisheries and Oceans – 1 rep

Environment Canada – 1 rep

Vancouver Port Authority – 1 rep

Public at-large membership – (dependent on interest)

Membership proposed for the SILG is as follows:

GVRD – 1 rep

GVRD member municipalities – 1 rep from each municipality (therefore, 1 from Richmond)

Ministry of Environment, Lands and Parks – 2 reps

Department of Fisheries and Oceans – 1 rep

Environment Canada – 1 rep

Ministry of Agriculture and Food – 1 rep

Public at-large (dependent on interest) – 1 rep

February 2, 2001

- 3 -

Staff will be bringing forth a report/recommendation for the adoption of the LWMP Stage 3 in the near future.

Please do not hesitate to contact me at local 4140 if you have any questions.



Paul H. Lee, P.Eng.
Manager, Engineering Planning

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cc: George Duncan, Chief Administrative Officer
Chuck Gale, P. Eng., General Manager, Community Safety Division
Jeff Day, P. Eng., Director, Engineering
Steve Ono, P.Eng., Manager, Engineering Design & Construction
Robert Gonzalez, P.Eng., Project Engineer
Siu Tse, M.Eng., P.Eng., Project Engineer
Mark Minson, P.Eng., Project Engineer, Engineering Planning
Bill Jones, C. Tech., Supervisor, Infrastructure Planning
Barrie King, P.Eng., Manager, Sewerage and Drainage
Suzanne Bycraft, Manager, Environmental Programs