1. ADOPTION OF THE AGENDA

1.1 February 7, 2020 Regular Meeting Agenda
That the Liquid Waste Committee adopt the agenda for its regular meeting scheduled for February 7, 2020 as circulated.

2. ADOPTION OF THE MINUTES

2.1 January 16, 2020 Regular Meeting Minutes
That the Liquid Waste Committee adopt the minutes of its regular meeting held January 16, 2020 as circulated.

3. DELEGATIONS

4. INVITED PRESENTATIONS

5. REPORTS FROM COMMITTEE OR STAFF

5.1 Award of Contract Resulting from Request for Proposal No. 19-194: Construction Services - Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section
Designated Speakers: Roy Moulder, Director, Purchasing and Risk Management, Financial Services, and Colin Meldrum, Division Manager, Collection Systems, Project Delivery, Liquid Waste Services
That the GVS&DD Board:

a) approve the award of a contract for an amount of up to $16,599,950 (exclusive of taxes) to JJM Construction Ltd. resulting from Request for Proposal No. 19-194: Construction Services Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section;
b) authorize the Commissioner and the Corporate Officer to execute the required documentation.

Note: Recommendation is shown under each item, where applicable.
5.2 Manager’s Report  
*Designated Speaker: Peter Navratil, General Manager, Liquid Waste Services*
That the Liquid Waste Committee receive for information the report dated January 24, 2020 titled “Manager’s Report”.

6. INFORMATION ITEMS

7. OTHER BUSINESS

7.1 Iona Island Wastewater Treatment Plant Project Definition Update

8. BUSINESS ARISING FROM DELEGATIONS

9. RESOLUTION TO CLOSE MEETING  
*Note: The Committee must state by resolution the basis under section 90 of the Community Charter on which the meeting is being closed. If a member wishes to add an item, the basis must be included below.*

10. ADJOURNMENT/CONCLUSION  
That the Liquid Waste Committee adjourn/conclude its regular meeting of February 7, 2020.

Membership:
Stewart, Richard (C) - Coquitlam
Dominato, Lisa (VC) - Vancouver
Calendino, Pietro - Burnaby
Elford, Doug - City of Surrey
Ferguson, Steve - Langley Township
Little, Mike - North Vancouver District
Loo, Alexa - Richmond
McDonald, Bruce - Delta
Svendsen, Ryan - Maple Ridge
Trentadue, Mary - New Westminster
van den Broek, Val - Langley City
Walker, Darryl - White Rock

Liquid Waste Committee
METRO VANCOUVER REGIONAL DISTRICT
LIQUID WASTE COMMITTEE

Minutes of the Regular Meeting of the Metro Vancouver Regional District (MVRD) Liquid Waste Committee held at 1:01 p.m. on Thursday, January 16, 2020 in the 28th Floor Committee Room, 4730 Kingsway, Burnaby, British Columbia.

MEMBERS PRESENT:
Chair, Mayor Richard Stewart, Coquitlam
Vice Chair, Councillor Lisa Dominato, Vancouver
Councillor Pietro Calendino, Burnaby
Councillor Doug Elford, Surrey
Councillor Steve Ferguson, Langley Township
Mayor Mike Little, North Vancouver District (arrived at 1:14 p.m.)
Councillor Alexa Loo, Richmond
Councillor Ryan Svendsen, Maple Ridge
Councillor Mary Trentadue, New Westminster
Mayor Val van den Broek, Langley City

MEMBERS ABSENT:
Councillor Bruce McDonald, Delta
Mayor Darryl Walker, White Rock

STAFF PRESENT:
Peter Navratil, General Manager, Liquid Waste Services
Jerry Dobrovolny, Chief Administrative Officer
Genevieve Lanz, Legislative Services Coordinator, Board and Information Services

1. ADOPTION OF THE AGENDA

1.1 January 16, 2020 Regular Meeting Agenda

It was MOVED and SECONDED That the Liquid Waste Committee adopt the agenda for its regular meeting scheduled for January 16, 2020 as circulated.

CARRIED
2. ADOPTION OF THE MINUTES

2.1 November 14, 2019 Regular Meeting Minutes

It was MOVED and SECONDED
That the Liquid Waste Committee adopt the minutes of its regular meeting held November 14, 2019 as circulated.

CARRIED

3. DELEGATIONS
No items presented.

4. INVITED PRESENTATIONS
No items presented.

5. REPORTS FROM COMMITTEE OR STAFF

5.1 2020 Liquid Waste Committee Priorities and Work Plan

Members were provided with a presentation on the 2020 Liquid Waste Committee Work Plan and priorities, highlighting the Iona Island Wastewater Treatment Plan Project Definition phase, regional bio-solids dryer, long-term capital program and financial planning, and public outreach campaigns.

1:14 p.m. Mayor Little arrived at the meeting.

Presentation material titled “2020 Liquid Waste Committee Priorities and Work Plan” is retained with the January 16, 2020 Liquid Waste Committee agenda.

It was MOVED and SECONDED
That the Liquid Waste Committee:

a) endorse the work plan as presented in the report dated January 6, 2020 titled “2020 Liquid Waste Committee Priorities and Work Plan”; and
b) receive for information the Liquid Waste Committee 2020 Terms of Reference as attached to the report dated January 6, 2020 titled “2020 Liquid Waste Committee Priorities and Work Plan”.

CARRIED
5.2 Board Appointments and Rescindments of Bylaw Enforcement Officers

Report dated January 2, 2020 from Ray Robb, Division Manager, Environmental Regulation and Enforcement, Parks and Environment Services, seeking staff appointments as GVS&DD Board designated municipal sewage control managers and municipal sewage control officers.

It was MOVED and SECONDED
That the GVS&DD Board:

a) pursuant to the Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw and the Environmental Management Act:
   i. appoint Metro Vancouver employee Nicole Gatto as a municipal sewage control officer; and
   ii. rescind the appointments of former Metro Vancouver employees Larry Avanthay, Kristen Beattie and Johanna Legge as a municipal sewage control officers; and
   iii. appoint City of Vancouver employee Nicole Montgomery as a deputy sewage control manager.

b) pursuant to Section 28 of the Offence Act:
   i. appoint Metro Vancouver employee Nicole Gatto for the purpose of serving summons under Section 28 of the Offence Act for alleged violations under Greater Vancouver Sewerage and Drainage District Sewer Use Bylaw; and
   ii. rescind the appointments for the purpose of serving summons of former Metro Vancouver employees Larry Avanthay, Kristen Beattie and Johanna Legge.

CARRIED

5.3 Greater Vancouver Sewerage and Drainage District Fermentation Operations Amending Bylaw No. 333, 2020


It was MOVED and SECONDED
That the GVS&DD Board:

a) give first, second and third reading to Greater Vancouver Sewerage and Drainage District Fermentation Operations Amending Bylaw No. 333, 2020; and

b) pass and finally adopt Greater Vancouver Sewerage and Drainage District Fermentation Operations Amending Bylaw No. 333, 2020.

CARRIED
5.4 **Award of Phase C – Tendering Services, for Northwest Langley Wastewater Treatment Plant – Design and Construction Engineering Services**

Report dated December 20, 2019 from Roy Moulder, Director, Purchasing and Risk Management, Financial Services and Paul Wilting, Program Manager, Northwest Langley Treatment Projects, Project Delivery, Liquid Waste Services, recommending awarding the contract for Phase C – Tendering Services to the Phase A and B consultant, CH2M Hill Canada Limited for the Northwest Langley Wastewater Treatment Plant in the amount of up to $5,303,514 (exclusive of taxes).

**It was MOVED and SECONDED**

That the GVS&DD Board:

a) approve the award of Phase C - Tendering Services, in the amount of up to $5,303,514 (exclusive of taxes) to the Phase A and Phase B consultant, CH2M Hill Canada Limited, for Northwest Langley Wastewater Treatment Plant - Design and Construction Engineering Services, and;

b) authorize the Commissioner and the Corporate Officer to execute the required documentation.

**CARRIED**

6. **INFORMATION ITEMS**

No items presented.

7. **OTHER BUSINESS**

No items presented.

8. **BUSINESS ARISING FROM DELEGATIONS**

No items presented.

9. **RESOLUTION TO CLOSE MEETING**

No items presented.

10. **ADJOURNMENT/CONCLUSION**

**It was MOVED and SECONDED**

That the Liquid Waste Committee conclude its regular meeting of January 16, 2020.

**CARRIED**

(Time: 1:45 p.m.)

____________________________   ____________________________
Genevieve Lanz,      Richard Stewart, Chair
Legislative Services Coordinator
To: Liquid Waste Committee

From: Roy Moulder, Director, Purchasing and Risk Management, Financial Services
Colin Meldrum, Division Manager, Collection Systems, Project Delivery, Liquid Waste Services

Date: January 21, 2020

Subject: Award of Contract Resulting from Request for Proposal No. 19-194: Construction Services - Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section

RECOMMENDATION
That the GVS&DD Board:

a) approve the award of a contract for an amount of up to $16,599,950 (exclusive of taxes) to JJM Construction Ltd. resulting from Request for Proposal No. 19-194: Construction Services Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section; and

b) authorize the Commissioner and the Corporate Officer to execute the contract.

EXECUTIVE SUMMARY
The construction of Burnaby Lake North Interceptor No. 2 - Phase 2 - Open Cut Section is required to enhance sewer capacity in the City of Burnaby. A Request for Proposal (RFP) was issued for the construction of the Burnaby Lake North Interceptor No. 2 - Phase 2 - Open Cut Section to five (5) pre-qualified contractors on October 10, 2019. The project consists of installation of approximately 880 linear metres of reinforced concrete sanitary sewer pipe via open cut methods in Burnaby, BC. Metro Vancouver received a total of three (3) submissions to the RFP and after the evaluation process, JJM Construction Ltd. had the highest ranked proposal. It is recommended that the GVS&DD Board authorize the Commissioner and the Corporate Officer to award and execute the contract to JJM Construction Ltd. in the amount of up to $16,599,950 (exclusive of taxes).

PURPOSE
This report is to advise the GVS&DD Board of the results of RFP No. 19-194: Construction Services Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section, and to recommend award of a contract in the amount of up to $16,599,950 (exclusive of taxes) to JJM Construction Ltd.

BACKGROUND
Pursuant to the GVS&DD Officers and Delegation Bylaw No. 284, 2014 (Bylaw) and the Procurement and Real Property Contracting Authority Policy (Policy), procurement contracts which exceed a value of $5 million require the approval of the Board of Directors.

This report is being brought forward to the Liquid Waste Committee to consider a recommendation to the GVS&DD Board to award a contract for the construction of the Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section.
PROJECT DESCRIPTION
The Project consists of construction of 880 linear metres of lined reinforced concrete sanitary sewer pipe ranging from 900 mm to 1350 mm in nominal diameter, to be installed by open cut methods. The installation of the sewer pipe also includes installation of piles/micropiles for the sewer pipe as well as design/installation of sheet pile shoring for the trench, dewatering, traffic control, notification and coordination of works with all affected stakeholders, site restoration, clean-up and landscaping, traffic control, geotechnical engineering analysis, and more.

As a result of Request for Qualifications (RFQ No. 18-401) that was publically advertised on Metro Vancouver’s and BC Bid websites, five (5) experienced firms were shortlisted and invited to respond to RFP No. 19-194. The RFP closed on December 23, 2019 and three (3) firms submitted proposals as follows:

<table>
<thead>
<tr>
<th>Proponent</th>
<th>Total Proposal Price (exclusive of taxes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>JJM Construction Ltd.</td>
<td>$16,599,950.00</td>
</tr>
<tr>
<td>Gateway Infrastructure Group GP</td>
<td>$25,200,484.00</td>
</tr>
<tr>
<td>Clearway Construction Inc.</td>
<td>$27,416,928.41</td>
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All three proposals were also evaluated on their technical merits. The proposal submitted by JJM Construction Ltd was the highest ranked submission on technical merits, as well as the lowest price.

ALTERNATIVES
1. That the GVS&DD Board:
   a) approve the award of a contract for an amount of up to $16,599,950 (exclusive of taxes) to JJM Construction Ltd. resulting from Request for Proposal No. 19-194: Construction Services Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section; and
   b) authorize the Commissioner and the Corporate Officer to execute the contract.

2. That the GVS&DD Board terminate Request for Proposal No. 19-194: Construction Services Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section and direct staff to report back to the GVS&DD Board with options for an alternate course of action.

FINANCIAL IMPLICATIONS
If the GVS&DD Board approves Alternative 1, a contract will be awarded to the highest ranked proponent, JJM Construction Ltd., in the amount of up to $16,599,950 (exclusive of taxes).

The GVS&DD Board has the choice not to proceed with Alternative 1; however, staff will need further direction in relation to the project and how to address the servicing needs in the tributary area.

CONCLUSION
Request for Proposal No. 19-194 was issued for construction services for the Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section and JJM Construction Ltd. was identified as the highest ranked and lowest cost proposal. Based on the evaluation of the proposals, it is recommended that
the Board authorize the Commissioner and the Corporate Officer to award and execute a contact to JJM Construction Ltd. in the amount of up to $16,599,950 (exclusive of taxes).

The Construction of Burnaby Lake North Interceptor No. 2 – Phase 2 – Open Cut Section is a critical connection required to enhance sewer capacity in the City of Burnaby.

36428733
To: Liquid Waste Committee

From: Peter Navratil, General Manager, Liquid Waste Services

Date: January 24, 2020

Meeting Date: February 7, 2020

Subject: Manager’s Report

RECOMMENDATION
That the Liquid Waste Committee receive for information the “Manager’s Report”, dated January 24, 2020.

1. Liquid Waste Committee 2020 Work Plan

Attached is the updated 2020 Work Plan indicating the status of the Committee’s key priorities for this year.

Attachment:
1. Liquid Waste Committee 2020 Work Plan
## Priorities

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<tr>
<th>1st Quarter</th>
<th>Status</th>
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<tr>
<td>Iona Island Secondary Wastewater Treatment Plant Project Definition Quarterly Update</td>
<td>In Progress</td>
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<tr>
<td>Fermentation Operations Bylaw Amendments</td>
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<tr>
<td>Long Term Financial Plan – Liquid Waste Scenarios</td>
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<td>Effluent Heat Recovery Project at Lulu Island Wastewater Treatment Plant</td>
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<td>2019 Fats, Oil and Grease Campaign Results</td>
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<tr>
<td>Municipal Requests for Sewerage Area Boundary Amendments (as applicable)</td>
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<tr>
<td>Utility Policies (as applicable)</td>
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<tr>
<td>Contract Approvals – Contracts &gt; $5M (as applicable)</td>
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<tr>
<td>Status of Liquid Waste Capital Expenditures</td>
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<tr>
<td>Iona Island Secondary Wastewater Treatment Plant Project Definition Quarterly Update</td>
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<tr>
<td>Review of Food Sector Bylaw</td>
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<td>Unflushables Campaign Update</td>
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<td>Capital Projects Policy Update</td>
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<td>Procurement Model for Implementation of a Regional Biosolids Drying Facility</td>
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<td>Review of Trucked Liquid Waste Provisions of the Sewer Use Bylaw</td>
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<td>Sustainability Innovation Fund Project Updates</td>
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<td>Communication and Engagement Plan for Public Notification of Sewer Overflows &amp; WWTP Process Interruptions Update*</td>
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<td>Iona Island Secondary Wastewater Treatment Plant Project Definition Quarterly Update</td>
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<td>Fats, Oils and Grease 2020 Campaign update</td>
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<tr>
<td>Unflushables Campaign 2020 Results</td>
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<td>Municipal Requests for Sewerage Area Boundary Amendments (as applicable)</td>
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<td>Contract Approvals – Contracts &gt; $5M (as applicable)</td>
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<td>Iona Island Secondary Wastewater Treatment Plant Project Definition Report</td>
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<td>Integrated Liquid Waste &amp; Resource Management Plan Provincial Conditions*</td>
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<td>Public Notification of Sewer Overflows and WWTP Process Interruptions - MOE Conditions*</td>
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<tr>
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*newly added*
Objectives:
- Provide committee with updated information on build scenarios and options to re-use existing plant
- Receive initial committee feedback on information presented prior to community engagement and subsequent staff recommendation on Indicative Design

Agenda items

1. Project Definition Overview
2. Liquid and Solid Treatment Options
3. Overview of Three Build Concepts
4. Strategies for the New Build
5. Park Integration and Habitat Enhancement
6. Resource Recovery Opportunities
7. Community Engagement
8. Indicative Design and Procurement Options