

PROJECT TITLE: **Annacis Island Wastewater Treatment Plant New Outfall System**PROPOSED CATEGORY OF REVIEW (C OR D): **CATEGORY C****SECTION A. CONTACT INFORMATION**

TENANT OR COMPANY NAME: **Greater Vancouver Sewerage and Drainage District**  
ADDRESS: **4730 Kingsway**  
CITY: **Burnaby**  
PROV/STATE: **British Columbia**  
COUNTRY: **CANADA**  
POSTAL/ZIP CODE: **V5H 0C6**

PRIMARY CONTACT NAME: **Ken Massé**  
CONTACT COMPANY AND POSITION: **Metro Vancouver, Senior Project Engineer**  
ADDRESS: **4730 Kingsway**  
CITY: **Burnaby**  
PROV/STATE: **British Columbia**  
COUNTRY: **CANADA**  
PHONE: **778-452-2627**  
EMAIL: **ken.masse@metrovancover.org**  
POSTAL/ZIP CODE: **V5H 0C6**

SECONDARY CONTACT NAME: **John Newby**  
CONTACT COMPANY AND POSITION: **CDM Smith Canada, Project Manager**  
ADDRESS: **1001 - 4710 Kingsway**  
CITY: **Burnaby**  
PROV/STATE: **British Columbia**  
COUNTRY: **CANADA**  
PHONE: **604-330-2494**  
EMAIL: **newbyje@cdmsmith.com**  
POSTAL/ZIP CODE: **B5H 4M2**

**SECTION B. PROJECT LOCATION**

STREET ADDRESS OR LOCATION DESCRIPTION:  
**1299 Derwent Way**

MUNICIPALITY:  
**Delta - Corporation of - (DEL)**

**SECTION C. ESTIMATED COST AND PROPOSED TIMING AND DURATION OF PROJECT**

ESTIMATED PROJECT COST (\$):  
**\$200,000,000.00**

DOCUMENTATION DEPOSIT AMOUNT (1% of PROJECT COSTS TO MAX. \$10,000):  
**\$10,000.00**

PROPOSED START DATE: **2019-01-01**  
PROPOSED COMPLETION DATE: **2022-01-31**

PROPOSED CONSTRUCTION SCHEDULE (IF OUTSIDE REGULAR HOURS):

**General work hours during non-tunneling construction will be between 6am to 5pm, with a 5-day work week. During tunnel advancement, however, the work schedule is assumed to proceed 7-days a week, 24-hours a day with two 8-hour tunnel mining shifts and one 8-hour maintenance shift. Weekends are anticipated to be for maintenance purpose therefore, tunneling advancement is not expected.**

## **SECTION D. PROJECT SUMMARY**

**Metro Vancouver's Annacis Island Wastewater Treatment Plant (AIWWTP) existing outfall does not meet the requirements for plant Stage V flow capacity upgrade (to 18.9 m<sup>3</sup>/s), and BC Ministry of Environment (BCMoE) requirement for in-river dilution. As well, the existing system does not meet the latest Seismic Design Criteria based on the National Building Code of Canada 2015. This project will construct a new post-disaster rated effluent outfall that can meet the Stage V effluent capacity requirements (and beyond), including dilution and seismic requirements. The outfall system will connect to the AIWWTP chlorine contact tank and convey effluent through a deep tunnel system for discharge in the Fraser River.**

## **SECTION E. LIST OF RELEVANT PLANS, STUDIES, REPORTS AND OTHER DOCUMENTS**

**Please refer to project PER submission TOC for Appendices A to R for a complete listing. General listing provided here:**

**Appendix A Design Drawings  
Appendix B Geotechnical Reports  
Appendix C Geomorphological Studies  
Appendix D Works Protocol  
Appendix E Traffic Studies  
Appendix F Navigation Studies  
Appendix G Dredging Studies  
Appendix H Noise Studies  
Appendix I Siting Studies  
Appendix J Environmental Studies  
Appendix K BC Ministry of Environment EIS  
Appendix L Habitat Assessment  
Appendix M Fire Safety  
Appendix N First Nations Information Sharing and Engagement  
Appendix O Stakeholders and Community Engagement**

## **SECTION F. ADDITIONAL PROJECT CONSIDERATIONS, MITIGATIONS AND INFORMATION**

**N/A**

## **SECTION G. OTHER REGULATORY APPROVALS**

Has the project been submitted for review to another agency or regulatory authority (e.g. Environment Canada for a Disposal at Sea Permit)? If yes, describe.

**Department of Fisheries and Oceans for Request for Project Review  
Ministry of Environment for Stage 1 and Stage 2 Environment Impact Study  
Environment Canada Climate Change Canada at Sea Disposal Sediment Characterization  
Transportation Canada for Navigation Protection Program  
Corporation of Delta Project Permits**

## **SECTION H. BUILDING PERMITS**

Are there structures that are considered to be reviewable under the 2015 National Building Code and National Fire Code?

**Yes**

Will the submission of building permits be phased? If yes, please attach schedule describing each phase.

**No**

