metrovancouver
SERVICES AND SOLUTIONS FOR A LIVABLE REGION

WASTE DISCHARGE PERMIT NO. SC-100009-FSA

Pursuant to:

Greater Vancouver Sewerage & Drainage District Sewer Use Bylaw No. 299, 2007, as amended (the "Bylaw") and the BC Environmental Management Act, S.B.C. 2003, c.53

Issued to:

TELUS Communications Inc.
(the "Permittee")

To Authorize:

the discharge of Wastewater to Sewer from
a contaminated groundwater remediation project

Located at:

7000 Lougheed Highway and 7035 Greenwood Street, Burnaby, BC

Effective Period:

The terms and conditions set out in the Permit apply to the existing or planned works as of January 01, 2026 and this Permit will expire on December 31, 2026.

All previous versions of this Waste Discharge Permit are hereby rescinded and rendered null and void as of the start of the effective period stated above.

Issued: January 03, 2012
Amended: December 19, 2025

Maari Hirvi Mayne, M.Eng., P.Eng.
Deputy Sewage Control Manager

SCHEDULE A

This Schedule sets out requirements for the quantity and quality of the discharge to Sewer.

1. AUTHORIZED DISCHARGE SOURCE

Wastewater from a contaminated groundwater remediation project located at 7000 Lougheed Highway and 7035 Greenwood Street, Burnaby, BC .

2. DISCHARGE SAMPLING AND ANALYSES: Effective January 01, 2026

Sample collection time(s), date(s) and discharge flows must be recorded during the period that the samples are taken.

a) The Permittee must continuously measure and record the daily discharge flow rate to sanitary sewer during each month of operation using the method(s) authorized in Section 5 and record for reporting purposes, the following:

- Total discharge volume for the month (m^3)
- Number of days of discharge to sewer during the month
- Maximum daily discharge flow rate during the month (m^3/d)
- Total daily discharge volume on the date of sampling (m^3)

On one normal operating day once per month collect 1 set of grab samples and analyze for:

- pH
- Total Suspended Solids
- Tetrachloroethylene
- 111-Trichloroethane
- F113 (CFC)
- Trichloroethylene

3. AUTHORIZED RATE OF DISCHARGE

- Maximum daily discharge volume: **250.00 m^3/d**
- Maximum instantaneous peak flow rate: **2.90 L/s**
- Maximum total discharge volume over Permit term: **40000 m^3**

4. AUTHORIZED DISCHARGE CRITERIA

a) The Permittee shall not discharge Prohibited Waste, Storm Water (with the exception of direct precipitation on the open excavation) or Uncontaminated Water, as defined in the bylaw.

b) The Permittee must not discharge Hazardous Waste, or effluent from the treatment of Hazardous

SCHEDULE A

Waste which exceeds the Effluent Standards for Hazardous Waste Facilities, as stipulated in Schedule 1.2, Column 3, of the BC Environmental Management Act Hazardous Waste Regulation.

c) The Permittee must not discharge Restricted Waste or other Waste, as defined in the Bylaw, including but not limited to the following (regardless of sample type):

Parameter	Authorized Limit	Notes
pH	5.5 - 10.5 pH Units	
Total Suspended Solids	600 mg/L	
Oil & Grease Hydrocarbon	15 mg/L	
Sulphide	1 mg/L	
Phenols	1 mg/L	
Aluminum - total	50 mg/L	
Arsenic - total	1 mg/L	
Boron - total	50 mg/L	
Cadmium - total	0.2 mg/L	
Chromium - total	4 mg/L	
Cobalt - total	5 mg/L	
Copper - total	2 mg/L	
Iron - total	10 mg/L	
Lead - total	1 mg/L	
Manganese - total	5 mg/L	
Molybdenum - total	1 mg/L	
Nickel - total	2 mg/L	
Selenium - total	1 mg/L	
Silver - total	1 mg/L	
Zinc - total	3 mg/L	

d) The Permittee must not discharge Restricted Waste or other Waste, as defined in the Bylaw, with the following exceptions (regardless of sample type):

Parameter	Authorized Limit	Notes
Tetrachloroethylene	0.7 mg/L	
111-Trichloroethane	1.55 mg/L	
Trichloroethylene	0.5 mg/L	

5. AUTHORIZED WORKS AND PROCEDURES

The authorized works and procedures to treat and/or control the discharges are:

SCHEDULE A

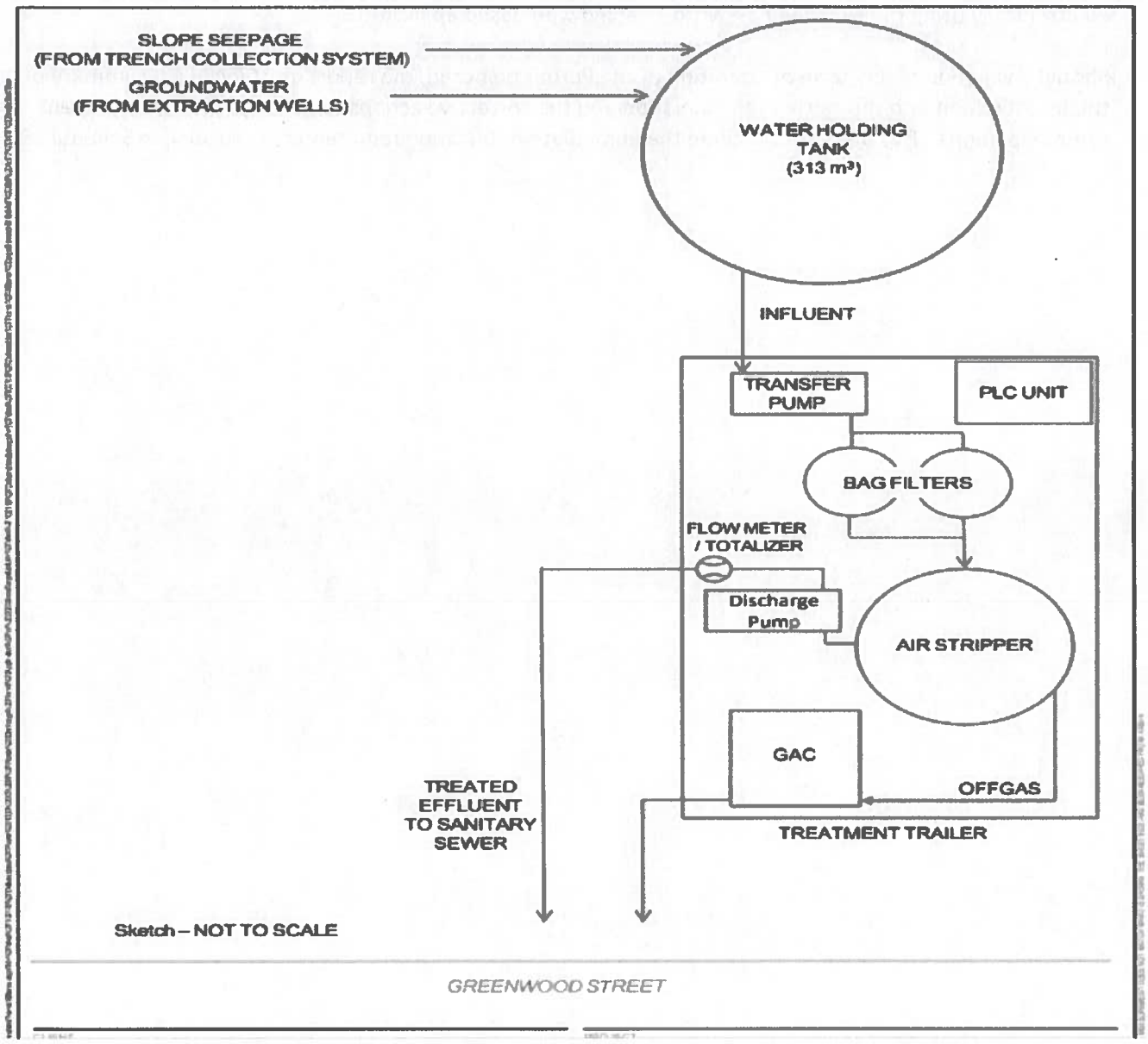
Source: All sources
Slope seepage from collection trench
Groundwater from extraction wells

Type: Continuous

Works and Procedures	Completion Date
Holding tank	Completed
Transfer pump	Completed
Air stripper	Completed
Continuous flow monitoring and recording	Completed
Good operating practices	Completed
Discharge Pump	Completed
Bag filters	Completed

SCHEDULE A

6. SITE PLAN(S) AND/OR TREATMENT WORKS SCHEMATIC DIAGRAM(S)



7. REPORTING REQUIREMENTS

By February 28, 2026 and monthly thereafter for the term of this permit:

SCHEDULE A

The Permittee must submit a report detailing the results of the discharge sampling and analyses program, as specified, for the previous month including lab reports. This information must be submitted electronically using the supplied password-enabled web based application.

Should a violation of any term or condition of the Permit be noted, the report must include a summary of the investigation into the cause of the violation and the corrective actions taken or proposed to prevent future violations. This does not preclude the immediate notification requirements specified in Schedule B.

SCHEDULE B

This Schedule sets out standard conditions and requirements for emergency procedures.

1. STANDARD CONDITIONS

a) Except as otherwise provided in this Permit, all terms, conditions and definitions stipulated in the Bylaw must apply to this Permit.
b) Pursuant to the Bylaw, the Sewage Control Manager (the Manager) may amend the terms and conditions of this Permit.
c) All records required by this permit must be kept available for a minimum period of one year.

2. WORKS AND PROCEDURES

a) All authorized works, procedures and requirements must be employed at all times during any discharge to sewer. As applicable, all such works must be inspected and calibrated regularly and maintained in good working condition.
b) The Manager may require that additional works be installed if the existing works do not provide an acceptable level of treatment. The Manager may authorize new works or alterations to existing works. The Manager may authorize new waste sources.

3. NOTIFICATION PROCEDURES

The Permittee must immediately report to Metro Vancouver by phone: 8:00 AM -11:30 PM at 604-436-6777, 11:30 PM – 8:00 AM at 604-643-8488 and by email: ERE notifications@metrovancouver.org:

a) Spills with the potential to be discharged to the Sanitary Sewer.
b) Failure of authorized works or conditions and/or failure to carry out authorized procedures that will or have the potential to result in a Permit limit being exceeded.
c) Discharge pH less than 2 or greater than 12.5.

4. BY-PASSES

The discharge of Wastes that by-pass any authorized works or that is not in accordance with procedures designated by the Permit is prohibited, unless prior authorization has been obtained and confirmed in writing from the Manager.

5. DISCHARGE MONITORING

a) All sampling and sample handling of wastewater discharges, including sample containers, storage, preservation and hold time requirements must be carried out in accordance with all prescribed requirements stated within the latest edition of the "British Columbia Environmental Laboratory Manual" published by the Ministry of Environment and Climate Change Strategy, Province of British Columbia or "Standard Methods for the Examination of Water and Wastewater" published by the American Public Health Association, or an alternate standard authorized by the Manager.

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SCHEDULE B

b) With the exception of pH measurements, all samples must be analyzed by an independent laboratory accredited through the latest version of ISO/IEC 17025 unless otherwise authorized by the Manager.
c) Laboratories used by the Permittee must also be accredited by the Canadian Association for Laboratory Accreditation and/or the Standards Council of Canada for all parameters analyzed and must participate in relevant proficiency testing programs for each parameter.
d) Any changes in method or location of monitoring must be authorized by the Manager.
e) Additional monitoring and/or reporting must be undertaken by the Permittee when required by the Manager.