



## WASTE DISCHARGE PERMIT NO. SC-100852-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:**

Parkland Refining (B.C.) Ltd.  
(the "Permittee")

**To Authorize:**

the discharge of Wastewater to Sewer from  
a groundwater remediation project

**Located at:**

10483 152 Street and 15105 105 Avenue, Surrey, BC

**Effective Period:**

The terms and conditions set out in the Permit apply to the existing or planned works as of  
February 03, 2026 and this Permit will expire on February 02, 2027.

All previous versions of this Waste Discharge Permit are hereby rescinded and rendered null and void as of the  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.

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Issued: November 23, 2012  
Amended: February 02, 2026

A handwritten signature in blue ink, appearing to read 'Maari Hirvi Mayne'.

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

## GREATER VANCOUVER SEWERAGE & DRAINAGE DISTRICT

### SCHEDULE A

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

#### 1. AUTHORIZED DISCHARGE SOURCE

Wastewater from a groundwater remediation project located at 10483 152 Street and 15105 105 Avenue, Surrey, BC.

#### 2. DISCHARGE SAMPLING AND ANALYSES

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<sup>3</sup>)
- Number of days of discharge to sewer during the month
- Maximum daily discharge flow rate during the month (m<sup>3</sup>/d)
- Total daily discharge volume on the date of sampling (m<sup>3</sup>)
- Maximum instantaneous flow rate during the month (L/s)

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

- pH
- Total Suspended Solids
- Oil & Grease Hydrocarbon
- Benzene
- Polycyclic Aromatic Hydrocarbons
- Total BETX
- Total Metals by ICP Scan including:  
Aluminum, Arsenic, Boron, Cadmium, Chromium, Cobalt, Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Selenium, Silver, Zinc

#### 3. AUTHORIZED RATE OF DISCHARGE

- Maximum daily discharge volume: **15.00 m<sup>3</sup>/d**
- Maximum instantaneous peak flow rate: **3.00 L/s**
- Maximum total discharge volume over Permit term: **1900 m<sup>3</sup>**

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**SCHEDULE A**

**4. AUTHORIZED DISCHARGE CRITERIA**

- a) The Permittee must 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 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	
Benzene	0.1 mg/L	
Polycyclic Aromatic Hydrocarbons	0.05 mg/L	
Total BETX	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	
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
Manganese - total	7.5 mg/L	

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**5. AUTHORIZED WORKS AND PROCEDURES**

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

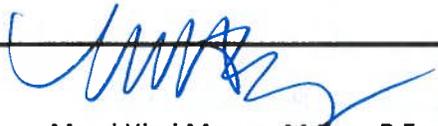
Source: All Sources

Type: Continuous

<b>Works and Procedures</b>	<b>Completion Date</b>
Submersible pump	Completed
Influent holding tank	Completed
Bag filters	Completed
Two pair of 200 kg activated carbon vessels in series	Completed
Continuous flow monitoring and recording	Completed
Good operating practices	Completed

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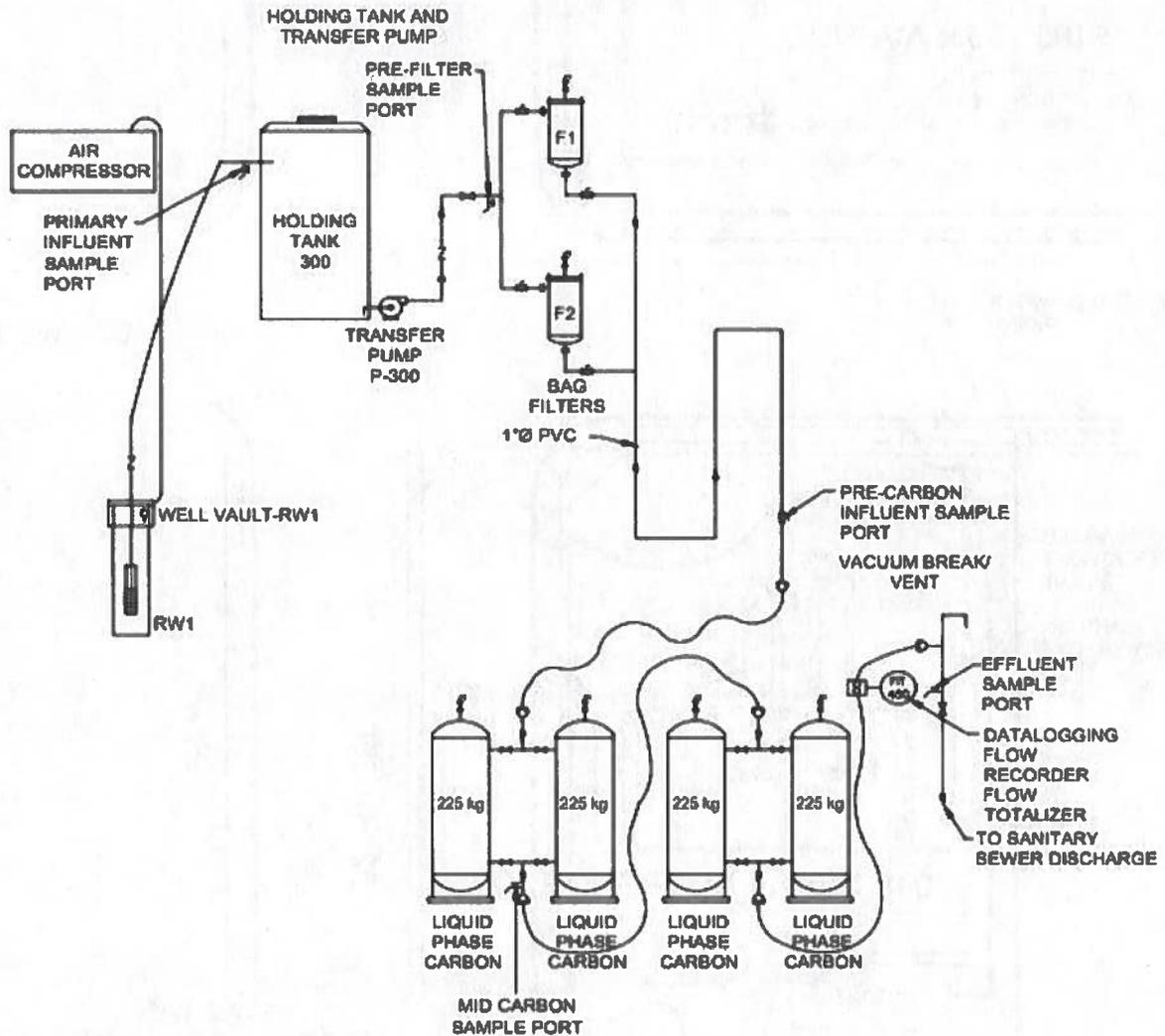
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**6. SITE PLAN(S) AND/OR TREATMENT WORKS SCHEMATIC DIAGRAM(S)**

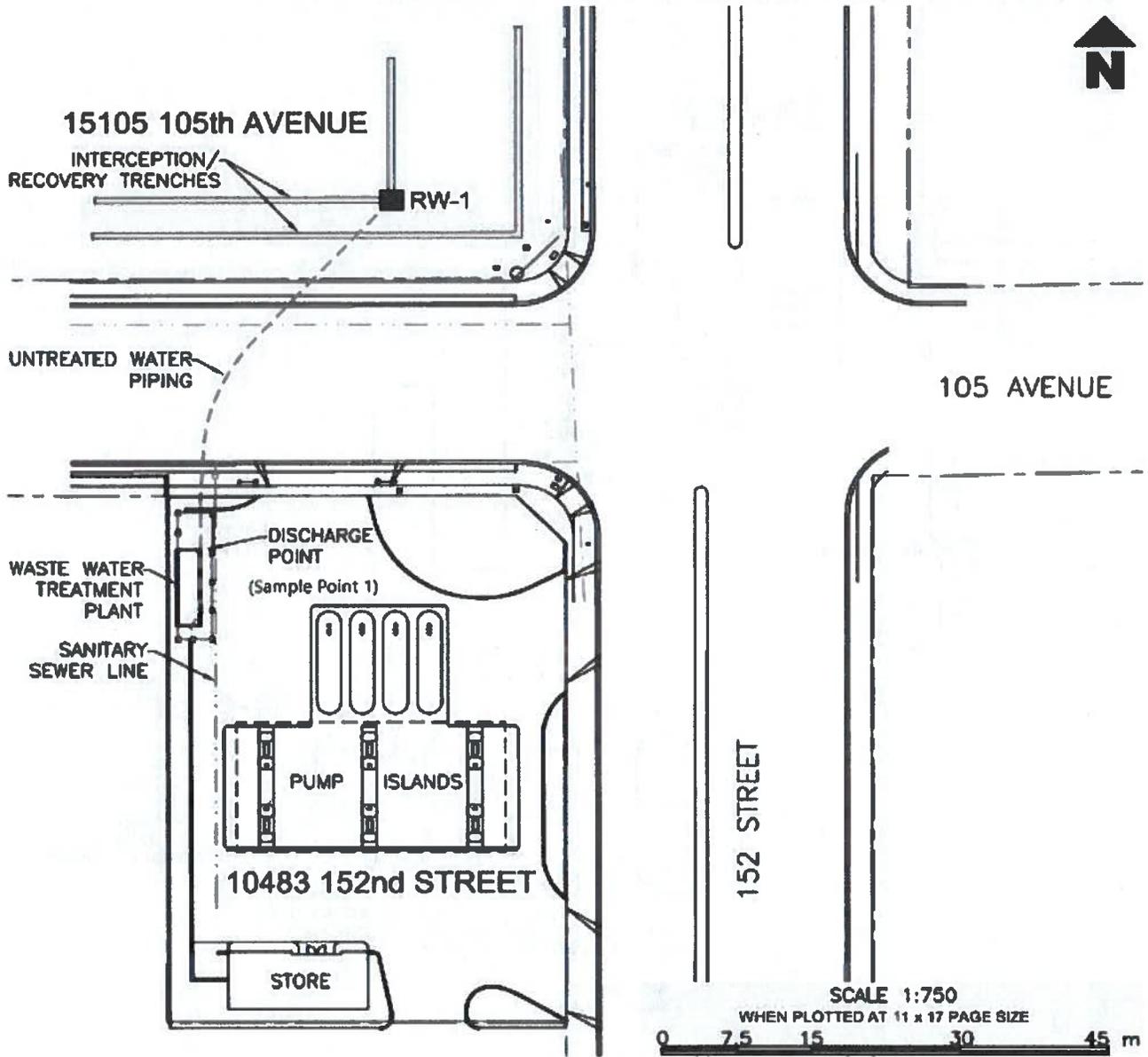


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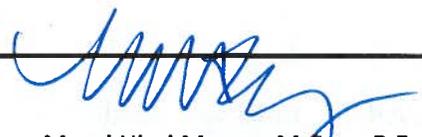
  
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**7. REPORTING REQUIREMENTS**

**By April 30, 2026 and quarterly thereafter for the term of this permit:**

The Permittee must submit a report detailing the results of the discharge sampling and analyses program, as specified, for the previous calendar quarter 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.

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**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: [EREnotifications@metrovancover.org](mailto:EREnotifications@metrovancover.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**

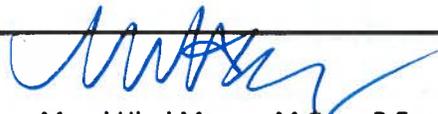
The discharge of Wastes that by-pass any authorized works or that is not in accordance with procedures designated by the Permit is prohibited, unless prior authorization has been obtained and confirmed in writing from the Manager.

**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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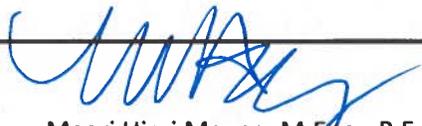
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**SCHEDULE B**

- 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.

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