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Tracking Number:

Authorization Number: 14625

**REGISTERED MAIL**

CITY OF CAMPBELL RIVER  
301 ST. ANN'S ROAD  
CAMPBELL RIVER, BC  
V9W 4C7

Dear Operational Certificate Holder:

Enclosed is Amended Operational Certificate 14625 issued under the provisions of the *Environmental Management Act*. Your attention is respectfully directed to the terms and conditions outlined in the operational certificate. An annual fee will be determined according to the Permit Fees Regulation.

This operational certificate does not authorize entry upon, crossing over, or use for any purpose of private or Crown lands or works, unless and except as authorized by the owner of such lands or works. The responsibility for obtaining such authority rests with the operational certificate holder. It is also the responsibility of the operational certificate holder to ensure that all activities conducted under this authorization are carried out with regard to the rights of third parties, and comply with other applicable legislation that may be in force.

This decision may be appealed to the Environmental Appeal Board in accordance with Part 8 of the *Environmental Management Act*. An appeal must be delivered within 30 days from the date that notice of this decision is given. For further information, please contact the Environmental Appeal Board at (250) 387-3464.

Administration of this operational certificate will be carried out by staff from the Authorizations - South Region. Plans, data and reports pertinent to the operational certificate are to be submitted to the Regional Manager, Environmental Protection, at Ministry of Environment and Climate Change Strategy, Regional Operations, Authorizations - South Region, 1259 Dalhousie Dr., Kamloops BC V2C 5Z5.

Yours truly,

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for Director, *Environmental Management Act*  
Authorizations - South Region



**MINISTRY OF ENVIRONMENT  
AND CLIMATE CHANGE  
STRATEGY**

**OPERATIONAL CERTIFICATE**

14625

*Under the Provisions of the Environmental Management Act*

**CITY OF CAMPBELL RIVER**

**301 ST. ANN'S ROAD**

**CAMPBELL RIVER, BC**

**V9W 4C7**

is authorized to discharge effluent from a municipal wastewater collection and treatment system located at Campbell River, British Columbia to Discovery Passage, subject to the conditions listed below. Contravention of any of these conditions is a violation of the *Environmental Management Act* and may result in prosecution

**1. AUTHORIZED DISCHARGES**

**1.1** This section applies to the discharge of effluent from the City of Campbell River (Norm Wood Environmental Centre). The site reference number for this discharge is E223064.

1.1.1. The maximum authorized rate of discharge is 41,400 m<sup>3</sup>/d.

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1.1.2. The characteristics of the discharge must be equivalent to or better than:

Total Suspended Solids  
Maximum: 45 mg/L

Biochemical Oxygen Demand  
Maximum: 45 mg/L

Toxicity (non-acute toxicity) Rainbow Trout LC50 at 96 hr  
Minimum: Pass

1.1.3 The discharge is authorized from Authorized Works, which are a septage receiving area, mechanical screens, two oxidation ditches, three secondary clarifiers, aerobic digester, biosolids storage basin, odour control facilities for the screen room, an outfall extending 435 m from mean low water to a depth of 35 m below mean low water, standby power, and related appurtenances approximately located as shown on Site Plan A.

1.1.4 The authorized works must be complete and in operation when the discharge commences.

1.1.5 The location of the facilities from which the discharge is authorized to originate is Lot 1, Plan 57724, District Lot 52 and District Lot 120, Sayward Land District.

1.1.6 The location of the point where the discharge is authorized to occur is Discovery Passage.

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## 1.2 **GLOSSARY**

Capitalized terms referred to in this Authorization are defined in the Glossary below. Other terms used in this Authorization have the same meaning as those defined in the Environmental Management Act and applicable regulations.

## 1.3 **General Provisions**

Where this Authorization provides that the director may require an action to be carried out, the City of Campbell River must carry out the action in accordance with the requirements of the director.

## 1.4 **Future Upgrading of Works**

The director may require the City of Campbell River to repair, alter, remove, improve or add to existing works, or to construct new works, and to submit plans and specifications for works specified in this Authorization.

- 1.4.1 The director may require the City of Campbell River to conduct monitoring, and may specify procedures for monitoring and analysis, and procedures or requirements respecting the handling, treatment, transportation, discharge or storage of waste.

The director may amend any requirements under this section, including requiring increased or decreased monitoring based on data submitted by the City of Campbell River and any other data gathered in connection with this Authorization.

## 1.5 **Future Impact Assessment**

The director may require the City of Campbell River to conduct studies and to report information in accordance with the specifications of the director.

The director may amend any requirements under this section, including requiring increased or decreased reporting based on data submitted by the City of Campbell River and any other data gathered in connection with this Authorization.

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1.6 **Licence to Publish Documents**

Licence to Publish Documents a) Subject to paragraph b, the City of Campbell River authorizes the Province to publish on the Ministry of Environment and Climate Change Strategy website the entirety of any Regulatory Document. b) The Province will not publish any information that could not, if it were subject to a request under section 5 of the Freedom of Information and Protection of Privacy Act, be disclosed under that Act.

1.7 **Maintenance of Works:**

The City of Campbell River must regularly inspect the Authorized Works and maintain them in good working order.

The City of Campbell River must maintain a record of inspections and maintenance of the Authorized Works and make the record available to an officer upon request.

Emergency Procedures:

In the event of an emergency or other condition which prevents normal operation of the Authorized Works or leads to an unauthorized discharge, the City of Campbell River must take remedial action immediately to restore the normal operation of the Authorized Works and to prevent any unauthorized discharges. The City of Campbell River must immediately report the emergency or other condition and the remedial action that has and will be taken to the EnvironmentalCompliance@gov.bc.ca email address or as otherwise instructed by the director.

1.9 **Bypasses**

The City of Campbell River must not allow any discharge authorized by this Authorization to bypass the Authorized Works, except with the prior written approval of the director.

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1.10 **Plans - Works**

The City of Campbell River must ensure the plans and specifications of the works described in 1.1.3 of the definition of Authorized Works are certified by a Qualified Professional. The City of Campbell River must cause a Qualified Professional to certify that the works have been constructed in accordance with such plans and specifications before discharge commences under this Authorization.

1.12 **Standby Power**

By June 30, 2022, the City of Campbell River must provide auxiliary power facilities to ensure continuous operation of the Authorized Works during power outages.

1.13 **Odour Control**

Should objectionable odours, attributable to the operation of the Facility, occur beyond the property on which the Facility is located, the City of Campbell River must undertake measures or additional works to reduce odour to acceptable levels.

1.14 **Receiving Environment Monitoring**

The City of Campbell River must carry out a receiving environment monitoring program once every three years. Water column profiles and sampling shall be conducted during the summer low flow period. Five weekly samples shall be collected within a thirty-day period in summer, and all sampling events shall occur during slack tide at selected sites as established by the City of Campbell River in accordance with the written requirements of the director (September 12, 2007). Based on the results from the analyses of the above samples, the director may extend or alter monitoring requirements of the City of Campbell River.

**Water Column Profiles:**

Water column profiles shall be taken above the outfall terminus and at four evenly spaced sites located on a radius of 100 m from the outfall terminus. Where possible, a minimum of one of these sites should be located mid-plume where the plume crosses the boundary of the initial dilution zone.

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In addition, a background water column profile shall be taken at a site located approximately 1 to 2 kilometres from the outfall terminus

Measurement of the following in-situ parameters shall be obtained in the water column at each of the above monitoring sites at depths of 0, 2, 4, 6, 8, 10, 15, 20, 25, 30, 35, and 40 m below surface (or to sea bottom by 5 metre increments):

Dissolved oxygen, mg/L;  
Salinity, g/kg or ‰;  
Temperature, °C; and,  
pH, pH units.

Water samples for fecal coliforms and enterococci shall be obtained in the water column at each of the above monitoring sites at depths of 1m below surface, pycnocline, and mid-way between the pycnocline and the seabed. If the pycnocline is not evident based on field profiling, then the pycnocline sample shall be collected from 6 m below surface or at an alternate depth to maximize plume sampling effectiveness.

Surface Water Sampling:

Surface water sampling shall be conducted at any location within 100 metres radius from the outfall terminus where the mid-line of the plume reaches the surface. The surface is a boundary of the initial dilution zone and water quality objectives and guidelines should be met at all boundaries, including at all points where the plume may surface.

Measurement of fecal coliforms and enterococci shall be obtained at surface water sampling stations.

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## 2. SAMPLING REQUIREMENTS

### 2.1 Sampling Facilities

The City of Campbell River must provide and maintain, suitable to the director, sampling facilities. The City of Campbell River must collect samples at each site according to the schedule specified in Section 2.4

### 2.2 Analytical Procedures

The City of Campbell River must carry out analyses in accordance with procedures described in the "British Columbia Laboratory Manual (2015 Edition)", or the most recent edition or by alternative procedures as authorized by the director.

A copy of the above manual is available on the Ministry web page at <https://www2.gov.bc.ca/gov/content/environment/research-monitoring-reporting/monitoring/laboratory-standards-quality-assurance/bc-field-sampling-manual>

### 2.3 Quality Assurance

a) The City of Campbell River must obtain from the analytical laboratory(ies) their precision, accuracy and blank data for each sample set submitted by the City of Campbell River and an evaluation of the data acceptability, based on criteria set by such laboratory.

b) The City of Campbell River must prepare and submit for analysis by the analytical laboratory(ies) a duplicate sample for each parameter sampled at each monitoring site and each monitoring period.

c) The City of Campbell River must submit samples to analytical laboratory(ies) that meet the definition of a qualified laboratory under the Environmental Data Quality Assurance Regulation.

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2.4 **Analysis**

The City of Campbell River must collect sample (s) on the frequency indicated in the table below and obtain analysis of the sample (s) for the following parameters:

<u>Parameter</u>	<u>Frequency</u>	
5-day Biochemical Oxygen Demand	once per week	grab
Total Suspended Solids	once per week	grab
Faecal Coliform	monthly	grab
Phosphorus	six times per year	grab
Toxicity	twice per year	grab
Other selected parameters	as directed	as directed

2.5 **Grab Sampling**

The City of Campbell River must provide and maintain a sampling facility and obtain a grab sample of the effluent authorized by Section 1.1 once each week. The City of Campbell River must take due care in sampling, storing and transporting the samples to control temperature and avoid contamination, breakage, and any other factor or influence that may compromise the integrity of the samples.

2.6 **Sampling Procedures**

The City of Campbell River must carry out sampling in accordance with the procedures described in the "British Columbia Field Sampling Manual for Continuous Monitoring and the Collection of Air, Air-Emission, Water, Wastewater, Soil, Sediment, and Biological Samples, (2013 Edition or most recent edition), or by alternative procedures as authorized by the director.

A copy of the above manual is available on the Ministry web page at <https://www2.gov.bc.ca/gov/content/environment/research-monitoring-reporting/monitoring/laboratory-standards-quality-assurance/bc-field-sampling-manual>

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### 3. **OPERATIONAL REQUIREMENTS FOR EFFLUENT DISCHARGES**

#### 3.1 **Flow Measurement**

The City of Campbell River must provide and maintain a suitable to the director, flow measuring device, and record once per day the effluent volume discharged over a 24-hour period. The City of Campbell River must retain the records for inspection by Ministry staff.

#### 3.2 **Posting of Outfall**

The City of Campbell River must erect and maintain a sign along the alignment of the outfall above the highwater mark. The sign must identify the nature of the works. The City of Campbell River must confirm whether the wording and size of the sign is acceptable to the director prior to installing the sign.

#### 3.3 **Outfall Inspection**

At least once every 5 years the City of Campbell River must conduct a dye test on the outfall line/pipe, or inspect the outfall line/pipe by another method acceptable to the director. The director may, in writing, vary the frequency of testing or inspection. The City of Campbell River must submit an inspection report to the director within 30 days after the inspection date.

#### 3.4 **Treatment Plant Sludge Wasting and Disposal**

The City of Campbell River must dispose of sludge wasted from the treatment plant at a site and in a manner approved by the director, or as authorized by regulation under the *Environmental Management Act*.

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### 3.5 **Facility Classification and Operator Certification**

The City of Campbell River in a manner and on timelines specified by the director must have the Authorized Works classified (and the classification must be maintained) by the Environmental Operators Certification Program Society (Society). The City of Campbell River must cause the Authorized Works to be operated and maintained by:

- a) persons certified within and according to the program provided by the Society to the satisfaction of the director, or
- b) persons who are qualified in the safe and proper operation of the facility for the protection of the environment, as demonstrated to the satisfaction of the director.

The City of Campbell River must notify the director of the classification level of the facility and certification levels of the operators, and changes of operators and/or operator certification levels within **quarterly report** 30 days of any change.

### 3.6 **Spray Irrigation of Effluent**

If reclaimed water is to be used, the City of Campbell River must operate the Facility in accordance with the procedures described in the "Municipal Wastewater Regulation Reclaimed Water Guideline July 2013" manual, as amended or updated from time to time, or by alternative procedures as authorized by the director.

A copy of the above manual is available on the Ministry web page at:  
<http://www2.gov.bc.ca/gov/content/environment/waste-management/sewage/municipal-wastewater-regulation>

## 4. **REPORTING REQUIREMENTS**

### 4.1 **Reporting**

The City of Campbell River must collect and maintain data of analyses and flow measurements required under this Authorization for inspection when

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requested by Ministry staff and submit the data for the previous quarter to the director in a form satisfactory to the director.

The City of Campbell River must make data submissions in respect of each quarter within 30 days of the end of the applicable quarter.

The City of Campbell River must submit all data required to be submitted under this section by email to the Ministry’s Routine Environmental Reporting Submission Mailbox (RERSM) at [envauthorizationsreporting@gov.bc.ca](mailto:envauthorizationsreporting@gov.bc.ca) or as otherwise instructed by the director.

For guidelines on how to properly name the files and email subject lines or for more information visit the Ministry website:  
<https://www2.gov.bc.ca/gov/content/environment/waste-management/waste-discharge-authorization/data-and-report-submissions/routine-environmental-reporting-submission-mailbox>

5. **NON-COMPLIANCE REPORTING**

5.1 **Non-compliance Notification**

The City of Campbell River must immediately notify the director or designate by email at [EnvironmentalCompliance@gov.bc.ca](mailto:EnvironmentalCompliance@gov.bc.ca), or as otherwise instructed by the director of any non-compliance with the requirements of this Authorization and take remedial action to remedy any effects of such non-compliance.

The City of Campbell River must provide the director with written confirmation of all such non-compliance events, including available test results within 24 hours of the original notification by email at [EnvironmentalCompliance@gov.bc.ca](mailto:EnvironmentalCompliance@gov.bc.ca) or as otherwise instructed by the director.

5.2 **Non-compliance Reporting**

If the City of Campbell River fails to comply with any of the requirements of this Authorization, the City of Campbell River must, within 30 days of such non-compliance, submit to the director a written report that includes, but is not necessarily limited to, the following:

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- a) all relevant test results obtained by the City of Campbell River related to the non-compliance,
- b) an explanation of the most probable cause(s) of the non-compliance, and
- c) a description of remedial action planned and/or taken by the City of Campbell River to prevent similar non-compliance(s) in the future.

The City of Campbell River must submit all non-compliance reporting required to be submitted under this section by email to the Ministry's Compliance Reporting Submission Mailbox (CRSM) at:  
[EnvironmentalCompliance@gov.bc.ca](mailto:EnvironmentalCompliance@gov.bc.ca)  
or as otherwise instructed by the director.

For guidelines on how to report a non-compliance or for more information visit the Ministry website:

<https://www2.gov.bc.ca/gov/content/environment/waste-management/waste-discharge-authorization/data-and-report-submissions/compliance-reporting-mailbox>

### 5.3 **Non-compliance Reporting of Toxicity**

The City of Campbell River must immediately notify the director of any toxicity failures.

In the event of a failure of a routine toxicity test, a sample of effluent must be collected without delay and tested for 96HRLC50 using rainbow trout in accordance with accepted procedures.

For 96HRLC50 tests, the percent of fish survival after 96 hours in the undiluted effluent sample must also be recorded

### 5.4 **Spill Reporting**

The City of Campbell River must immediately report all spills to the environment (as defined in the Spill Reporting Regulation) in accordance with the Spill Reporting Regulation, which among other things, requires notification to Emergency Management BC at 1-800-663-3456

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## 6. GLOSSARY

Capitalized terms referred to in this authorization are defined in the attached Glossary. Other terms used in this authorization have the same meaning as those defined in the Environmental Management Act and applicable regulations.

### 6.1 “Authorized Works”

“Authorized Works” means Authorized Works as stated in Section 1.1.3;

### 6.2 "Province"

“Province” means Her Majesty the Queen in right of British Columbia;

### 6.3 "Regulatory Document"

“Regulatory Document” means any document that the City of Campbell River is required to provide to the director or the Province pursuant to:

(i) this Authorization;

(ii) any regulation made under the Environmental Management Act that regulates the facility described in this Authorization or the discharge of waste from that facility; or

(iii) any order issued under the Environmental Management Act directed against the City of Campbell River/approval hold that is related to the facility described in this Authorization or the discharge of waste from that facility;

### 6.4 "Qualified Professional"

“Qualified Professional” means an applied scientist or technologist specializing in an applied science or technology applicable to the duty or function, including, if applicable and without limiting this, agrology, biology, chemistry, engineering, geology or hydrogeology and who :

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- i. is registered with the appropriate professional organization, is acting under that organization's code of ethics and is subject to disciplinary action by that organization, and,
- ii. through suitable education, experience, accreditation and/or knowledge, may be reasonably relied on to provide advice within their area of expertise.

All documents submitted to the Director by a Qualified Professional must be signed by the author(s).

6.5 **"Facility"**

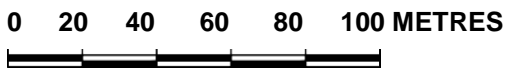
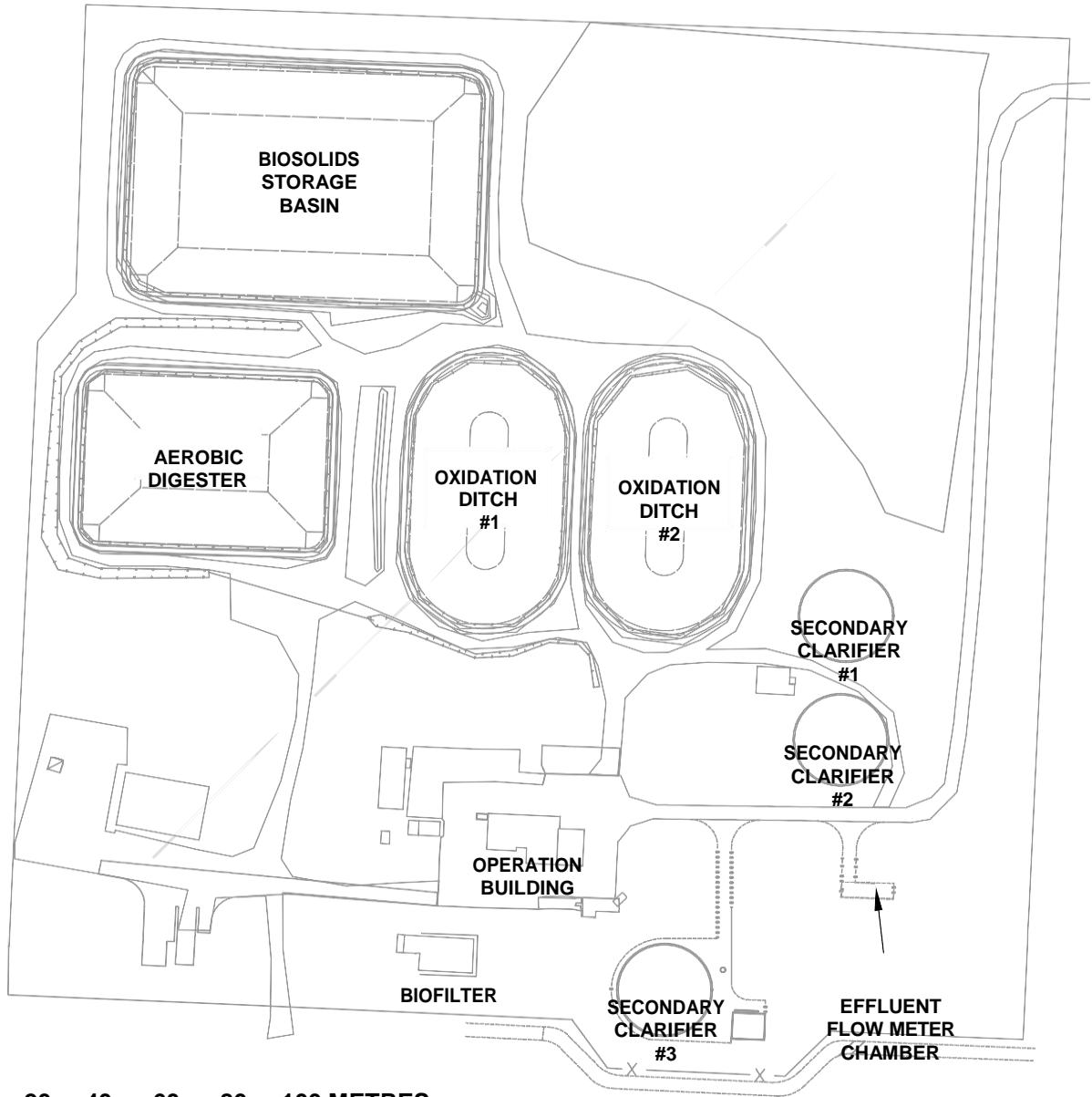
“Facility” means the municipal wastewater collection and treatment system located in Campbell River, British Columbia.

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# SITE PLAN A



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## LOCATION MAP



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