

District of Barriere

# REPORT TO COUNCIL

<b>Date:</b> April 12, 2021	<b>File:</b> 530.20/Rpts
<b>To:</b> Council	<b>From:</b> CAO
<b>Re: Municipal Wastewater Regulation – Ministry of Environment Warning Letter</b>	

**Background:** The District of Barriere received our third warning letter, primarily regarding the Solar Receiving Plant and Discharge, from the Ministry of Environment, dated March 25 2021.

**Discussion:** After conducting an inspection under the *Environmental Management Act*, the Ministry staff has determined that we are out of compliance in a number of sections within the regulations, and the warning letter serves to list the areas that require corrective action or face escalating enforcement action.

To this end, our Utilities Manager has established the enclosed table of action items that have been identified as non-compliant including actions required and staff time associated with each line item.

The action table is a quick summary for Council's review and will also serve as our response to the warning letter. The Ministry requires a formal response with our action plan within 30 days from receiving the letter.

To assist the District and more specifically the Utilities Manger, with a plan to get the waste water treatment back into compliance, TRUE Consulting was commissioned to provide a feasibility study that would identify options for the Solar Aquatics WWTP.

**Recommendations:** THAT Council direct staff to proceed with submitting the District's response letter with action plan as presented to the Ministry of Environment and further; THAT staff immediately proceed with detailed planning of Phase 1 of Option 3 in the feasibility study and return to Council with the detailed plan including financial impacts as soon as possible.

Prepared by: B. Payette, CAO



Report Date: March 25, 2021

File:107685

Report Number:164920

District of Barriere

PO BOX 219 4936 Barriere Town

Road Barriere BC V0E 1E0

Dear District of Barriere

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**Re: Warning Letter, Municipal Wastewater Regulation, registration number 107685**

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On March 04, 2021, Ministry of Environment, Environmental Protection Division staff conducted an inspection under *Environmental Management Act (EMA)*, 107685. The inspection determined that District of Barriere is out of compliance with sections identified below for the Municipal Wastewater Regulation. This Warning Letter lists the compliance verification information contained below.

Contravention of section 75 and 86 of the Municipal Wastewater Regulation is an offence under section 120(13) of the *Environmental Management Act (EMA)*. Section 120(13) of EMA states as follows:

*120 (13) A person who contravenes a requirement of a regulation that specifies the quantity or characteristics of waste that may be introduced into the environment commits an offence and is liable on conviction to a fine not exceeding \$1 000 000 or imprisonment for not more than 6 months, or both.*

It should also be noted that, as an alternative to prosecution of the offence referenced above, the Ministry may initiate action to impose an administrative penalty against District of Barriere. The Administrative Penalties Regulation (EMA) (B.C. Reg. 133/2014) (APR) was brought into force in 2014. The APR describes the prescribed provisions of the EMA as well as that of specified regulations under which administrative penalties can be assigned. Section 12(1) of the APR states as follows:

*29(2) A person who contravenes section 6 (2), 7 (3), 18 (1) (b), 42 (1), 43, 44, 47, 48, 49 (1), (2) (b) or (3), 51, 52, 53, 54, 55 (1) or (3), 56 (1), 57 (2) or (3), 58 (1) or (3), 60, 66 (1), (2) or (3), 72 (2), 73, 74 (3), 75, 76 (4) or (5), 80, 81, 82 (1) or (2), 83, 84, 85 (1), 86, 88, 95 (3), 102, 103 (1), 105 (1), 110 (3) (b), 114 (1), 118 (1) or 119 of the Municipal Wastewater Regulation is liable to an administrative penalty not exceeding \$40 000.*

I request that DISTRICT OF BARRIERE immediately implement the necessary changes or modifications to correct the non-compliance(s) listed above with the *Environmental Management Act*. Further, I request that District of Barriere notify this office in writing, by email or letter within 30 days of this letter, advising what corrective measures have been taken, and what else is being done, to prevent similar non-compliances in the future.

Please submit your response to the Ministry's Compliance Mailbox at [EnvironmentalCompliance@gov.bc.ca](mailto:EnvironmentalCompliance@gov.bc.ca).

As a result of this Warning, this authorization will be prioritized for follow-up inspection. The corrective measures will be reviewed by an Officer as part of the next inspection.

Finally, if you fail to take the necessary actions to restore compliance, you may be subject to escalating enforcement action. This Warning Letter and the alleged violations and circumstances to which it refers, will form part of the compliance history of District of Barriere and will be taken into account in the event of future violations.

**Inspection Details:**

On March 4, 2021, Ministry of Environment and Climate Change Strategy (Ministry) Environmental Protection Officer Travis Kurinka (Officer Kurinka) conducted an office review inspection of the District of Barriere (the District) municipal wastewater treatment plant (Facility), located in Barriere, British Columbia (BC). The purpose of the office review inspection was to verify compliance with Municipal Wastewater Regulation (MWR) registration number 107685 (Registration). The Registration authorizes the discharge of municipal effluent to the ground from a solar aquatic wastewater treatment plant. The Registration was first issued on October 21, 2015, and has never been amended. Officer Kurinka received assistance completing this inspection from Ian Crosson (Utilities Manager, District of Barriere).

The inspection period for this report is from January 1, 2020 to March 4, 2021 (Inspection Period) and included a review of the following documents:

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**Ministry of Environment  
and Climate Change  
Strategy**

Compliance  
Environmental  
Protection Division

Mailing Address:  
1259 Dalhousie Dr  
Kamloops BC V2C 5Z5

Telephone: 250 371 6200  
Facsimile: 250 371 6234  
Website: [www.gov.bc.ca/env](http://www.gov.bc.ca/env)

- EMAIL: 2021-02-22 Q1 2020 Report, dated February 22, 2021, prepared by the District
- EMAIL: 2021-02-22 Q4 2020 Report, dated February 22, 2021, prepared by the District
- EMAIL: 2021-02-22 Inspection Info Request, dated February 22, 2021, prepared by the District
- EMAIL: 2021-03-05 Inspection Follow Up, dated March 3, 2021, prepared by the District
- 2020 SAWRC Q1 Report, dated February 22, 2021, prepared by the District
- 2020 SAWRC Q2 Report, dated December 21, 2020, prepared by the District
- 2020 SAWRC Q3 Report, dated December 21, 2020, prepared by the District
- 2020 SAWRC Q4 Report, dated February 22, 2021, prepared by the District
- 2020 Monthly Flow Reports, dated January to December 2020, prepared by the District
- Barriere Solar Aquatics System Facility Operating Plan (OP), dated August 17, 2016, originally prepared by ECO-TEK Ecological Technologies Inc. on October 26, 2015, revision 1 prepared by the District of Barriere
  - Municipal Wastewater Regulation (B.C. Reg. 908/2011) Registration Form (Registration Form), dated October 18, 2012, prepared by the District

Below are the authorization clauses that were assessed for compliance during this inspection, as well as the associated findings and any actions that may be required.

Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 45 (c): A discharger must not discharge until ensuring that all of the following requirements are met: (c) the wastewater facility is classified under the EOCP.
Details/Findings:	Officer Kurinka conducted a search of the Environmental Operators Certification Program (EOCP) database on February 18, 2021. Based on the search, the Facility has been classified as a Wastewater Treatment (WWT) Level II under certificate #2124, which expires on August 1, 2021.
Compliance:	In
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 47 (b): A discharger must not discharge unless the wastewater facility is operated and maintained by persons who (b) are certified under the EOCP.
Details/Findings:	The Chief Operator listed for the Facility is Douglas Borrill who is classified and in good standing with the EOCP up to a WWT II (Certificate #1814), which expires on December 31, 2021.
Compliance:	In

Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 53 (a): A person must not discharge, or provide or use reclaimed water, unless the discharger monitors the discharge or reclaimed water to determine compliance with this regulation.
Details/Findings:	The District submitted monitoring data for the discharge to the Ministry during the Inspection Period. Mr. Crosson informed Officer Kurinka that the District did not discharge reclaimed water and does not have any plans to ever discharge reclaimed water from the Facility.
Compliance:	In
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 53 (b): A person must not discharge, or provide or use reclaimed water, unless the discharger monitors the receiving environment to determine compliance with this regulation.
Details/Findings:	The District submitted receiving environment groundwater monitoring results during the Inspection Period.
Compliance:	In
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 54 (a): A discharger must do both of the following, unless one or both requirements are waived by a director: (a) install, or provide, a suitable sampling facility for obtaining a sample of the municipal effluent or reclaimed water;
Details/Findings:	The District recorded daily discharge rates during the Inspection Period.
Compliance:	In

Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 55 (5)(a): A discharger must submit municipal effluent flow, municipal effluent quality and receiving environment monitoring data, and associated quality control data, (a) by electronic transmission directly to the central computer system of the ministry of the minister, or
Details/Findings:	<p>Officer Kurinka conducted a search of the Ministry's Electronic Filing System (EFS) and determined that the District submitted their Q2 and Q3 effluent and receiving environment monitoring data directly to the central computer system of the Ministry. However, the District did not submit flow data for Q1 through Q4 as required, and Q1 and Q4 effluent and receiving environment monitoring data was also not submitted to the Ministry. The District was able to submit all required information upon the request of Officer Kurinka.</p> <p>As the District did not submit the required flow and effluent data by electronic transmission directly to the central computer system of the Ministry, the District has been found to be out of compliance with this section of the MWR.</p>
Compliance:	Out
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 55 (5)(b): A discharger must submit municipal effluent flow, municipal effluent quality and receiving environment monitoring data, and associated quality control data, (b) in a form acceptable to a director.
Details/Findings:	All municipal effluent flow, quality and receiving environment monitoring data was submitted to the Ministry in a form acceptable to a Director.
Compliance:	In
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 56 (1)(c): A discharger must adhere to the following requirements: (c) if required to sample twice a month, there must be at least 7 days between samples;

Details/Findings:	<p>The District registered the maximum flow of the Facility to be 490 cubic meters per day with discharge characteristics meeting Class A effluent (BOD5 = 10 mg/L, TSS = 10 mg/L, and fecal coliform 14/100mL). Based on Table 7 in the MWR, the District was required to sample for BOD, TSS, Total Nitrogen, and NO3 (as N) twice per month.</p> <p>Officer Kurinka reviewed the quarterly monitoring reports submit by the District and determined that the District ensured that there were at least 7 days in between samples for BOD and TSS. However, the District did not monitor the discharge for Total Nitrogen or NO3 (as N) during the Inspection Period.</p>
Compliance:	In
Actions to be taken:	Until the District applies and has their MWR Registration amended by the Ministry, the District is required to sample for all parameters at the frequencies specified in Table 7 of the MWR.
Requirement Description:	<p><b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b></p> <p>56 (1)(d): A discharger must adhere to the following requirements: (d) if required to sample weekly, there must be at least 5 days between samples;</p>
Details/Findings:	Officer Kurinka reviewed the Quarterly Monitoring Reports and determined that the District monitored the discharge for fecal coliforms weekly ensuring that there was at least 5 days in between samples. However, the District did not monitor for turbidity as required for Class A effluent under Table 7.
Compliance:	In
Requirement Description:	<p><b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b></p> <p>56 (1)(f): A discharger must adhere to the following requirements: (f) if required to sample twice a week, there must be at least 2 days between samples;</p>
Details/Findings:	Officer Kurinka reviewed the Quarterly Monitoring Reports and determined that the District was monitoring the flow daily during the Inspection Period.

Compliance:	In
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 67 (a): A provider of reclaimed water must submit to a director and a health officer an annual report containing all of the following information: (a) the quality and quantity of reclaimed water;
Details/Findings:	Officer Kurinka conducted a search of the Ministry's Electronic Filing System (EFS) and determined that the District did not submit an annual report to the Ministry which provided the quality and quantity of reclaimed water discharged. Mr. Crosson informed Officer Kurinka that the District did not discharge any reclaimed water during the Inspection Period and has not intention to in the near future.
Compliance:	Out
Actions to be taken:	The District is registered as a Greater Exposure Limit Class A discharger under their MWR registration. Therefore, the District is required to submit an annual report to the Ministry which includes all of the information specified in sections 67(a-f) the following: <ul style="list-style-type: none"> <li>- the quality and quantity of reclaimed water discharged</li> <li>- the method of use and any diversion to an alternate disposal method or to storage</li> <li>- user information, and communication materials related to the use of reclaimed water</li> <li>- the results of any receiving environment monitoring required under this regulation</li> <li>- the projected monitoring dates for the next year</li> <li>- the reason for any non-compliance with this regulation and the corrective action taken.</li> </ul> If the District does not discharge reclaimed water during the Inspection Period, the District must still submit a statement to the Ministry which states as such.
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 75 (1): A discharger of class A, B or C municipal effluent must meet the applicable municipal effluent quality requirements set out in this section and listed in Table 3.

Details/Findings:	<p>During the Inspection Period, the District did not meet Class A effluent characteristic limits specified in Table 3 of the MWR.</p> <p>However, in attempt to bring the Facility back into compliance with the MWR, the District took the following steps to improve effluent quality:</p> <ul style="list-style-type: none"> <li>- removal of plant material from the solar aquatic systems to reduce the number of solids in the effluent from plant material</li> <li>- added a splitter box</li> <li>- added a diffuser to the drop pipe in the final two tanks of the greenhouse</li> <li>- added a temporary sludge wasting tank at the septage station</li> <li>- repaired the drum screen</li> <li>- replaced filters prior to UV</li> </ul> <p>In addition, the District initiated a feasibility study of all three wastewater treatment plants to determine the best way to fix the Facility. The District was able to provide a draft copy of the study upon the request of Officer Kurinka.</p>
Compliance:	Out
Requirement Description:	<p><b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b></p> <p>75 (2): The median coliform values for 7 consecutive daily tests and any single value test must be less than the value specified in Table 3.</p>
Details/Findings:	<p>During the Inspection Period, the median coliform values for 7 consecutive daily tests and any single value test exceeded the value specified in Table 3 a total of 51 times.</p>
Compliance:	Out
Requirement Description:	<p><b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b></p> <p>75 (Tabl)(3)(Row)(1): Table 3 - Municipal Effluent Quality Requirements: Requirement - BOD5 (mg/L): Class A: 10 ; Class B: 10 ; Class C: 45</p>
Details/Findings:	<p>The District in their Registration Form registered the Facility to meet Class A effluent discharged to both an infiltration basin and reclaimed water irrigation system.</p> <p>Officer Kurinka reviewed the Districts Quarterly Monitoring Reports and determined that the Class A BOD5 10 mg/L limit was exceeded a total of 35 times (See Attached Table for more details) during the inspection period.</p>



Compliance:	Out
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 75 (Tabl)(3)(Row)(2): Table 3 - Municipal Effluent Quality Requirements: Requirement - TSS (mg/L): Class A: 10 ; Class B: 10 ; Class C: 45
Details/Findings:	Officer Kurinka reviewed the Districts Quarterly Monitoring Reports and determined that the Class A TSS 10 mg/L limit was exceeded a total of 51 times (See Attached Table for more details) during the inspection period.
Compliance:	Out
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 75 (Tabl)(3)(Row)(3): Table 3 - Municipal Effluent Quality Requirements: Requirement - fecal coliform (MPN / 100 mL): Class A: median: 2.2 any sample: 14 ; Class B: 400, if maximum daily flow is >= 37 m3/d ; Class C: n/a
Details/Findings:	Officer Kurinka reviewed the Districts Quarterly Monitoring Reports and determined that the Class A median: 2.2 MPN/100 mL any sample: 14 MPN/100 mL limit was exceeded a total of 51 times during the inspection period (See Attached Table for more details).
Compliance:	Out
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 75 (Tabl)(3)(Row)(4): Table 3 - Municipal Effluent Quality Requirements: Requirement - turbidity (NTU): Class A: average: 2 any sample: 5 ; Class B: n/a ; Class C: n/a
Details/Findings:	Officer Kurinka reviewed the Quarterly Monitoring Reports and determined that the District did not monitor the discharge for turbidity during the Inspection Period. Therefore, compliance could not be determined.
Compliance:	Not Determined

Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 75 (Tabl)(3)(Row)(5): Table 3 - Municipal Effluent Quality Requirements: Requirement - nitrogen (mg/L): Class A: Nitrate-N: 10 total N: 20 ; Class B: n/a ; Class C: n/a
Details/Findings:	Officer Kurinka reviewed the Quarterly Monitoring Reports and determined that the District did not monitor the discharge for total nitrogen and nitrate -N during the Inspection Period. Therefore, compliance could not be determined.
Compliance:	Not Determined
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 86: A discharger must monitor municipal effluent quality and quantity in accordance with section 87 [additional monitoring requirements] and Table 6, 7 or 8, as applicable, of this section.
Details/Findings:	During the Inspection Period, the District did not monitor BOD5, turbidity, total nitrogen, and nitrates in accordance with Table 7.
Compliance:	Out
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 86 (Tabl)(7)(Row)(1): Table 7 - Monitoring Requirements If Maximum Daily Flow >= 50 m3/d and 500 m3/d: flow frequency; Class A: twice/week ; Class B: twice/week ; Class C: twice/week
Details/Findings:	The Registration Form stated that the maximum discharge rate for the Facility was 490 m3/day.  Officer Kurinka reviewed the Districts 2020 Flow Records and determined that flows at the Facility were measured daily during the Inspection Period.
Compliance:	In

Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 86 (Tabl)(7)(Row)(2): Table 7 - Monitoring Requirements If Maximum Daily Flow >= 50 m3/d and 500 m3/d for BOD5, TSS frequency and type; Class A: twice/month grab samples ; Class B: twice/month grab samples ; Class C: monthly grab samples
Details/Findings:	Officer Kurinka reviewed the Districts Quarterly Monitoring Reports and determined that BOD5 was not measured twice during December 2020 as required.
Compliance:	Out
Actions to be taken:	BOD5 must be sampled twice per month as required by this section of the MWR.
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 86 (Tabl)(7)(Row)(3): Table 7 - Monitoring Requirements If Maximum Daily Flow >= 50 m3/d and 500 m3/d: fecal coliform frequency and type; Class A: weekly grab samples ; Class B: weekly grab samples ; Class C: none
Details/Findings:	Officer Kurinka reviewed the Districts Quarterly Monitoring Reports and determined that fecal coliforms were monitored on a weekly basis during the Inspection Period.
Compliance:	In
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 86 (Tabl)(7)(Row)(4): Table 7 - Monitoring Requirements If Maximum Daily Flow >= 50 m3/d and 500 m3/d: turbidity frequency and type; Class A: weekly grab samples ; Class B: none ; Class C: none
Details/Findings:	Officer Kurinka reviewed the Districts Quarterly Monitoring Reports and determined that that the District did not monitor the discharge for turbidity weekly as required by this section of the MWR.
Compliance:	Out

Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 86 (Tabl)(7)(Row)(5): Table 7 - Monitoring Requirements If Maximum Daily Flow >= 50 m3/d and 500 m3/d: nitrogen total, and NO3 (as N frequency and type); Class A: twice/month grab samples ; Class B: none ; Class C: none
Details/Findings:	Officer Kurinka reviewed the Districts Quarterly Monitoring Reports and determined that that the District did not monitor the discharge for total nitrogen and nitrate twice per month as required by this section of the MWR.
Compliance:	Out
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 108 (1): A provider of reclaimed water must meet the applicable municipal effluent quality requirements set out in this section and listed in Table 13,
Details/Findings:	Mr. Crosson informed Officer Kurinka, via email, that the Facility did not discharge reclaimed water during the Inspection Period and the District did not have any plans to discharge reclaimed water in the near future. Therefore, sections 108 to 114 were not applicable.
Compliance:	Not Applicable
Actions to be taken:	The District must contact the Ministry's authorization staff to amend their MWR registration as the Facility is being operated in a manner that differs from the Registration. To do this please use the following link to the Ministry's Contact Form ( <a href="#">Ministry Contact Form</a> )
Requirement Description:	<b>Environmental Management Act, Municipal Wastewater Regulation (87/2012) (EMA)</b> 118 (1): A provider of reclaimed water must monitor the applicable discharge quality and quantity in accordance with this section and Table 14.
Details/Findings:	Mr. Crosson informed Officer Kurinka that the District did not discharge reclaimed water during the Inspection Period. Therefore, this section of the MWR is not applicable.

Compliance:	Not Applicable
Actions to be taken:	The District must contact the Ministry's authorization staff to amend their MWR registration as the Facility is being operated in a manner that differs from the Registration. To do this please use the following link to the Ministry's Contact Form ( <a href="#">Ministry Contact Form</a> )

**Compliance History:**

- 2020-01-30 IR 144919 Warning Codes and Regs: Municipal Wastewater Regulation (87/2012) (EMA) 55 (5)(a); 75 (Tabl)(3)(Row)(1); 75 (Tabl)(3)(Row)(2); 75 (Tabl)(3)(Row)(3); 86 (Tabl)(7)(Row)(2); 86 (Tabl)(7)(Row)(3); 87 (3)(b)
- 2017-10-19 IR 68043 Warning 120(6): Municipal Wastewater Regulation (87/2012) (EMA) 16 (2)(c); 47 (a); 75 (1); 108 (1); 118 (3)(b)

The Ministry of Environment Compliance and Enforcement Policy and Procedure (C&E Policy) prescribes common requirements and procedures for all Ministry staff to ensure consistent and risk-based assessment and response to non-compliance. Using the Non-Compliance Decision Matrix, the compliance determination for this inspection has been assessed as **Level 2, Category C, Warning Codes and Regs**.

More information about Environmental Compliance, the Non-Compliance Decision Matrix, and reporting and data submission requirements can be found at the links below:

General compliance information:

[www.gov.bc.ca/environmentalcompliance](http://www.gov.bc.ca/environmentalcompliance)

Non-Compliance Decision Matrix information:

[www.gov.bc.ca/environment/how-compliance-is-assessed](http://www.gov.bc.ca/environment/how-compliance-is-assessed)

Reporting and data submission requirements (to be sent to [EnvAuthorizationsReporting@gov.bc.ca](mailto:EnvAuthorizationsReporting@gov.bc.ca)):

[www.gov.bc.ca/submit-waste-authorization-reports](http://www.gov.bc.ca/submit-waste-authorization-reports)

Please be advised that this inspection report may be published on the provincial government website within 7 days.

Below are attachments related to this inspection.

If you have any questions about this warning, please contact the undersigned.

Yours truly,

Travis Kurinka  
Environmental Protection Officer

cc:

**Attachments:**

- 1) 2021-03-11-2020 Effluent WQ Summary.pdf      2020 Summary  
of the District of Barriere's SAWRC WWTP Effluent Characteristics

**Deliver via:**

Email: ☒      Fax: ☐      Mail: ☐  
Registered Mail: ☐      Hand Delivery: ☐

**Ministry of Environment  
and Climate Change  
Strategy**

Compliance  
Environmental  
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**DISCLAIMER:**

Please note that sections of the permit, regulation or code of practice referenced in this inspection record are for guidance and are not the official version. Please refer to the original permit, regulation or code of practice.

To see the most up to date version of the regulations and codes of practices please visit  
<http://www.bclaws.ca>

If you require a copy of the original permit, please contact the inspector noted on this inspection record.

It is also important to note that this inspection record does not necessarily reflect each requirement or condition of the authorization therefore compliance is noted only for the requirements or conditions listed in the inspection record.

## 2020 Summary of the District of Barriere's SAWRC WWTP Effluent Characteristics

2020 Summary of the District of Barriere's SAWRC WWTP Effluent Characteristics			
Date	TSS (Class A Limit of 10 mg/L)	Fecal Coliforms (Class A Limit median: 2.2 MPN/100 ml any sample: 14 MPN/100 ml)	CBOD (Class A Limit of 10 mg/L)
08-Jan	26.8	45000	27.2
15-Jan	29.5	107000	28.1
22-Jan	12.8	30000	13.5
29-Jan	31.5	10600	26.2
05-Feb	33.0	223000	64.9
11-Feb	29.8	200000	29.5
19-Feb	23.8	170	24.1
26-Feb	23.9	1180	N/A
03-Mar	27.7	1050	26.8
11-Mar	33.3	2000	N/A
18-Mar	29.5	21000	28.5
25-Mar	42.4	9000	N/A
08-Apr	34.5	6300	26.2
15-Apr	31.7	92000	N/A
22-Apr	30.3	80000	28.4
29-Apr	34.0	198000	N/A
06-May	31.7	72000	25.3
12-May	51.7	109000	N/A
19-May	82.7	46000	26.5
26-May	40.2	130000	N/A
02-Jun	58.7	52000	28.6
09-Jun	117.0	149000	N/A
16-Jun	79.4	142000	84.7
23-Jun	748.0	420000	N/A
30-Jun	185.0	28000	50.0
07-Jul	81.1	1340	20.8
14-Jul	78.1	230	N/A
21-Jul	103.0	12000	43.9
28-Jul	70.6	2600	32.3
04-Aug	147.0	210000	64.0
11-Aug	102.0	320000	N/A
18-Aug	110.0	300000	77.7
25-Aug	41.4	95000	N/A
01-Sep	55.2	83000	45.0
08-Sep	27.4	50	16.4
15-Sep	22.9	350	13.8
22-Sep	25.8	2400	N/A
29-Sep	18.7	1080	17.8
06-Oct	23.3	910	20.8
13-Oct	25.6	2600	19.3



**2020 Summary of the District of Barriere's SAWRC WWTP Effluent Characteristics**

Date	TSS (Class A Limit of 10 mg/L)	Fecal Coliforms (Class A Limit median: 2.2 MPN/100 ml any sample: 14 MPN/100 ml)	CBOD (Class A Limit of 10 mg/L)
20-Oct	25.1	5900	23.0
27-Oct	24.6	7800	31.6
04-Nov	31.8	17900	40.6
09-Nov	32.4	68000	26.0
17-Nov	28.3	170	28.9
24-Nov	30.0	3100	0.0
01-Dec	28.4	72000	30.5
08-Dec	43.5	2000	N/A
15-Dec	48.5	10200	50.5
22-Dec	48.8	5500	N/A
29-Dec	39.4	880	N/A



DISTRICT OF BARRIERE - M.O.E NON-COMPLAINEE WARNING LETTER SUMMARY		
ITEM	ACTIONS REQUIRED	STAFF TIME
<u>DATA MANAGEMENT AND REPORTING</u>		
1. Flow data for Q1 and Q4 not submitted to MOE electronic filing system	MOE Officer Kurinka requested the data on March 1, 2021 and it was submitted immediately that day. <a href="#">Corrected</a>	32 hours/month minimum
<u>RECLAIMED WATER DISCHARGE</u>		
2. Annual report for the discharge of reclaimed water not submitted	Unknowingly the DOB must submit an annual report to the MOE, even though we did not discharge reclaimed water. <a href="#">Completed on April 7, 2021</a>	4 hours/year
3. Amendment to authorization required	<b>Amendment to authorization required *</b>	0 hours/year *
<u>SAMPLING</u>		
4. Sampling requirements not met	The DOB has been following the sampling schedule that was previously set out, and has now been changed and updated to reflect the MWR, therefore increasing sampling requirements and cost going forward. <a href="#">Corrected</a>	250 hours/year + minimum
<u>CLASS A EFFLUENT - UNABLE TO MEET CHARACTERISTIC LIMITS</u>		
5. DOB staff have attempted in house to preform temporary modifications to make an effort to better aid the current wastewater process - <i>steps taken to try</i>	Many temporary efforts have been taken by staff in the past 6 months to try and get the effluent up to class A standards however still does not meet the requirements of the MWR. <a href="#">Noted by the MOE in the warning letter. Ongoing</a>  <b>Amendment to authorization required *</b>	Sept 2020-present Dustin has spent 568.5 hours during this timeframe
<u>CLASS A EFFLUENT - NON COMPLIANCE</u>		
6. The DOB has undertaken a feasibility study with TRUE Engineering with respect to permanent upgrade requirements	<b>To be presented</b> <b>Written Letter with in 30 days required</b> <a href="#">Draft copy forwarded to Officer Kurinka per his request</a>	