

Compliance History:

This is the first electronic compliance record for this authorization since January 1, 2012.

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 3, Category A, Warning Unauthorized 6(2).

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

Non-Compliance Decision Matrix information:

www.gov.bc.ca/environment/how-compliance-is-assessed

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

<https://www2.gov.bc.ca/gov/content/environment/waste-management/waste-discharge-authorization/comply>

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,

Taryn Angus
Environmental Protection Officer

cc:

<p>Attachments:</p> <p><input type="checkbox"/> Photo 1. View of a stockpile at the Facility.</p> <p><input type="checkbox"/> 2) Photo 2. View of a stockpile at the Facility.</p> <p><input type="checkbox"/> Photo 3. View of the Storm Drain within the GFL)DELOLW</p> <p><input type="checkbox"/> Table 1. Water Quality Results.</p>

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Ministry of Environment and Climate Change Strategy	Compliance	Mailing Address:	Telephone: 604 582 5200
	Environmental	2nd Fl	Facsimile: 604 930 7119
	Protection Division	10470-152nd St	Website: www.gov.bc.ca/env
		Surrey BC V3R 0Y3	

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.

Table 1. GFL Storm Drain Effluent Quality Results from Samples Collected by the Ministry on January 31, 2022.

Parameter	BC Water Quality Guidelines and CCME Guidelines for Aquatic Life – Freshwater Long-term Concentration.	Units	Storm Drain within the Facility	Storm Drain Leaving the Facility
Rainbow trout 96-h LC50 test	LC50	%	33.0% Concentration of Effluent.	N/A
<i>Daphnia magna</i> 48-h LC50 test	LC50	%	43.5% Concentration of Effluent.	Pass
<i>E. Coli</i>	N/A	MPN/100mL	>24,200	>2,420
Fecal Coliform	N/A	MPN/100mL	>24,200	>2,420
Nitrite	0.02	mg/L	<0.0200	0.0595
Total Kjeldahl Nitrogen	N/A	mg/L	105	3.09
Total Nitrogen	N/A	mg/L	107	5.57
Ammonia	1.90	mg/L	69.1	2.31
Total Phosphorus	N/A	mg/L	4.01	0.243
Total Suspended Solids	N/A	mg/L	678	262
Biochemical Oxygen Demand	N/A	mg/L	546	10.9
Chemical Oxygen Demand	N/A	mg/L	1,900	103
Conductivity	N/A	µS/cm	3,680	374
Aluminum	0.05 (dissolved)	mg/L	0.156	0.0049
Arsenic	0.005 (total)	mg/L	0.0490	0.00230
Boron	1.20 (total)	mg/L	15.4	0.086
Cobalt	0.004 (total)	mg/L	0.0129	0.00224
Iron	1.0 (total)	mg/L	33.4	9.87
Manganese	1.0 (total)	mg/L	6.26	0.446
Sodium	N/A (total)	mg/L	308	16.4
Sulfur	N/A (total)	mg/L	274	7.78
Zinc	Hardness Dependent	µg/L	591 Hardness was 992 mg/L guideline is 240.	123 Hardness was 115 mg/L guideline is 15.
Toluene	0.5	µg/L	61.0	<0.50
Xylene	0.03	µg/L	52.6	<0.50
BTEX	N/A	µg/L	143	<1.0
EPH (C10-C19)	N/A	µg/L	1,010	<250
EPH (C19-C32)	N/A	µg/L	9,460	1,040
F2 (C10-C16)	N/A	µg/L	650	<100
F3 (C16-C34)	N/A	µg/L	14,700	1,950
F4 (C34-C50)	N/A	µg/L	4,270	860
HEPHw	N/A	µg/L	9,460	1,040
LEPHw	N/A	µg/L	1,010	<250
Anthracene	0.012	µg/L	<0.404	<0.040
Benz(a)anthracene	0.018	µg/L	<0.323	0.037
Benzo(a)pyrene	0.015	µg/L	0.157	0.0254
Fluoranthene	0.04	µg/L	2.20	0.218
Phenanthrene	0.40	µg/L	2.00	0.208
Pyrene	0.025	µg/L	<1.90	<0.200

Jan 31, 2022 at 11:23:53 AM



Photo 1. View of a stockpile at the Facility.

Jan 31, 2022 at 11:30:20 AM



Photo 2. View of a stockpile at the Facility.



Photo 3. View of the Storm Drain within the GFL Facility.