



Regional District of
Kitimat-Stikine

2020 QUEENSWAY SEWER ANNUAL REPORT

January 2021

Prepared for:

British Columbia Ministry of
Environment & Climate Change
Strategy
EnvAuthorizationsReporting@gov.bc.ca

Prepared by:

Regional District of Kitimat-Stikine
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1.0 Overview

Queensway Sewer is authorized to discharge under Ministry of Environment and Climate Change Strategy Authorization Number 12645. The most recent update to the authorization was conducted on May 23, 2017.

The authorized point of discharge of the Queensway Sewer Facility is to exfiltration lagoon Number 3 or lagoon Number 4 (site reference discharge E220346). No effluent was discharged to the overflow outfall to the Skeena River (site reference discharge E220347) during 2020. Queensway Sewer facility is authorized to discharge an average of 800 m³/day and a maximum of 1500 m³/day. Queensway Sewer facility discharged a total of 84,119 m³ of effluent into the exfiltration lagoons during 2020, with a daily maximum of 355.55 m³/day in February and an annual average of 230.46 m³/day.

Daily blower hours in 2020 ranged from 17.11 to 23.82 hours per day, with an average of 21.31 hours per day.

Effluent discharge volume is continually measured. In-situ field parameters, including laboratory samples, are collected monthly. Laboratory sample collection and in-situ sampling is conducted from the manhole access point between the outlet of the Aerated Lagoon Cell #2 prior to discharge to one of the exfiltration lagoons. Sampling was conducted in accordance with the “British Columbia Field Sampling Manual for Continuous Monitoring and the Collection of Air, Air-Emission, Water, Wastewater, Soil, Sediment, and Biological Sample, 2013 Edition”.

Authorization 12645 stipulates discharge parameters are not to exceed 60 mg/L for total suspended solids, and 45 mg/L for 5-day biochemical demand. Queensway Sewer experienced three (3) exceedances for 5-day biochemical oxygen demand (BOD) during 2020; see Section 3.0 for a detailed explanation of exceedance events. There were no exceedances for Total Suspended Solids during 2020.



Photo 1. Overview of Queensway Sewer Treatment Facility

2.0 Queensway Sewer Laboratory and Field Data

Table 1 Queensway Sewer Monthly Data

Sample Date	Temperature (°C) (Field)	DO (mg/L) (Field)	pH (Field)	pH (Lab)	BOD5 (mg/L)	TSS (mg/L)	Total Phosphorus (mg/L)	Total Nitrogen Kjeldahl (mg/L)	Ammonia (mg/L)	Influent Flow Rate (m ³ /day) (Monthly average)	Blower Hours (hours/day)
14-Jan-20	0.1	4.2	8.1	7.5	16	3.1	5.1	32.9	28.5	263.32	20.93
11-Feb-20	1.4	5.5	7.4	7.4	12	22	3.9	27.4	28.8	355.55	25.82
17-Mar-20	3.2	5.2	7.5	7.2	9.2	4.5	3.2	27.2	26.2	231.42	21.07
14-Apr-20	8.7	-	7.5	7.9	14	8.6	3.3	27.9	26.2	155.05	17.11
12-May-20	17.6	5.2	7.4	7.7	26	21	3.9	29.5	27.2	193.82	21.4
16-Jun-20	<0.0	<0.10	<1.00	7.5	>144	21	4.4	30.1	27.3	187.08	21.37
14-Jul-20	16.7	1.1	7	7.2	160	27	4	24.8	19.7	188.92	21.32
28-Jul-20	6.8	5.4	-	7.4	23	29	4.1	29.3	23.2	-	-
12-Aug-20	6.8	5.4	-	7.4	23	29	4.1	29.3	23.2	207.65	21.31
11-Sep-20	14.7	4.9	7.1	7.4	61	32	4.6	33.4	27.2	217.96	21.36
20-Oct-20	8.7	11.5	6.8	7.5	12	23	4.22	32.4	30.6	212.31	22.06
12-Nov-20	5.7	8.2	7.8	7.7	9.7	22	4.09	30.5	29	258.66	20.63
08-Dec-20	4.9	9.9	8.6	7.5	30	13	3.58	26.8	26	293.8	21.3

Note: Analysis conducted by Northern Laboratories Ltd.

Exceedances shown in **red**.

* An additional sample event in July was conducted to monitor efficacy of corrective actions taken in response to BOD exceedances.

3.0 Non-Compliance

The Queensway Sewer facility had three (3) exceedances for 5-day biochemical oxygen demand (BOD) during 2020. The three exceedances occurred in June, July and September, with concentrations of >144 mg/L, 160 mg/L, and 61 mg/L, respectively. During these events, all other in-situ and ex-situ parameters were compliant.

It is suspected that BOD concentration exceedances were due to an increased volume of effluent containing elevated concentrations of organic matter entering the facility, as well as a seasonal bloom of *Lemnaceae spp.* (Duck weed). It was inferred that the high oxygen demand of *Lemnaceae* exacerbated already high BOD concentrations. Since the blowers for the treatment system were already near maximum operating hours, clean water for the purpose of dilution was added to the system at one of the lift stations. The surface of the water was also skimmed to remove the floating mat of *Lemnaceae* present in the lagoon. Resampling after the exceedance events in July and September confirmed BOD levels were corrected to compliance levels.

The Regional District is currently reviewing the treatment facility operations to determine if additional aeration or other measures may be required to mitigate future BOD exceedances.



Document prepared by:

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Appendix A – Laboratory Analytical Results

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
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Work Order: N20A061

RECEIVED: 15-Jan-2020

Project: Queensway

Project Number: -

Project Manager: Erin Blaney

REPORTED: 13-Feb-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.

Dean Browne For Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20A061

LAB #	N20A061-01
SAMPLED DATE	14-Jan-20
SAMPLED TIME	13:00
SAMPLE ID	Queensway Sewer

MRL Units

General Parameters (Water)

pH	1.0 pH units	7.5
Biochemical Oxygen Demand / BOD	4.0 mg/L	16
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	11
Solids, Total Suspended / TSS	1.0 mg/L	3.1
Ammonia (total as N)	0.03 mg/L	28.5
Nitrogen, Total Kjeldahl	0.500 mg/L	32.9
Phosphorus (total)	0.05 mg/L	5.1

Field Data (Water)

Conductivity (field)	1.0 uS/cm	609
Dissolved Oxygen (field)	0.10 mg/L	4.20
pH (field)	1.00 -	8.10
Temperature (field)	0.0 °C	0.1

Glossary of Terms

MRL	Method Reporting Limit
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
Terrace BC, V8G 4E1

Work Order: N20B066

RECEIVED: 12-Feb-2020

Project: Queensway

Project Number: -

Project Manager: Regional District Kitimat Stikine

REPORTED: 10-Mar-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.

Dean Browne For Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20B066

LAB #	N20B066-01
SAMPLED DATE	11-Feb-20
SAMPLED TIME	11:00
SAMPLE ID	Queensway Sewer

MRL Units
General Parameters (Water)

pH	1.0 pH units	7.4
Biochemical Oxygen Demand / BOD	4.0 mg/L	12
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	8.9
Solids, Total Suspended / TSS	1.0 mg/L	22
Ammonia (total as N)	0.03 mg/L	28.8
Nitrogen, Total Kjeldahl	0.500 mg/L	27.4
Phosphorus (total)	0.05 mg/L	3.9

Field Data (Water)

Conductivity (field)	1.0 uS/cm	537
Dissolved Oxygen (field)	0.10 mg/L	5.50
pH (field)	1.00 -	7.40
Temperature (field)	0.0 °C	1.4

Glossary of Terms

MRL	Method Reporting Limit
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
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Work Order: N20C126

RECEIVED: 18-Mar-2020

Project: Queensway

Project Number: -

Project Manager: Erin Blaney

REPORTED: 03-Apr-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.

Dean Browne For Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20C126

LAB #	N20C126-01
SAMPLED DATE	17-Mar-20
SAMPLED TIME	13:00
SAMPLE ID	Queensway Sewer

MRL Units
General Parameters (Water)

pH	1.0 pH units	7.2
Biochemical Oxygen Demand / BOD	4.0 mg/L	9.2
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	7.0
Solids, Total Suspended / TSS	1.0 mg/L	4.5
Ammonia (total as N)	0.03 mg/L	26.2
Nitrogen, Total Kjeldahl	0.500 mg/L	27.2
Phosphorus (total)	0.05 mg/L	3.2

Field Data (Water)

Conductivity (field)	1.0 uS/cm	490
Dissolved Oxygen (field)	0.10 mg/L	5.20
pH (field)	1.00 -	7.50
Temperature (field)	0.0 °C	3.2

Glossary of Terms

MRL	Method Reporting Limit
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
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Work Order: N20D051

RECEIVED: 14-Apr-2020

Project: Queensway
Project Number: -
Project Manager: Erin Blaney

REPORTED: 11-May-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.

Dean Browne For Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20D051

LAB #	N20D051-01
SAMPLED DATE	14-Apr-20
SAMPLED TIME	09:30
SAMPLE ID	Queensway Sewer

MRL Units
General Parameters (Water)

pH	1.0 pH units	7.9
Biochemical Oxygen Demand / BOD	4.0 mg/L	14
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	9.1
Solids, Total Suspended / TSS	1.0 mg/L	8.6
Ammonia (total as N)	0.03 mg/L	26.2
Nitrogen, Total Kjeldahl	1.00 mg/L	27.9
Phosphorus (total)	0.05 mg/L	3.3

Field Data (Water)

Conductivity (field)	1.0 uS/cm	485
pH (field)	1.00 -	7.50
Temperature (field)	0.0 °C	8.7

Glossary of Terms

MRL	Method Reporting Limit
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
Terrace BC, V8G 4E1
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Work Order: N20E076

RECEIVED: 13-May-2020

Project: Queensway
Project Number: -
Project Manager: Erin Blaney

REPORTED: 12-Jun-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.

Dean Browne For Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20E076

LAB #	N20E076-01
SAMPLED DATE	12-May-20
SAMPLED TIME	12:15
SAMPLE ID	Queensway Sewer

MRL Units

General Parameters (Water)

pH	1.0 pH units	7.7
Biochemical Oxygen Demand / BOD	4.0 mg/L	26
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	22
Solids, Total Suspended / TSS	1.0 mg/L	21
Ammonia (total as N)	0.03 mg/L	27.2
Nitrogen, Total Kjeldahl	1.00 mg/L	29.5
Phosphorus (total)	0.05 mg/L	3.9

Field Data (Water)

Conductivity (field)	1.0 uS/cm	436
Dissolved Oxygen (field)	0.10 mg/L	5.20
pH (field)	1.00 -	7.40
Temperature (field)	0.0 °C	17.6

Glossary of Terms

MRL	Method Reporting Limit
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
Terrace BC, V8G 4E1
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Work Order: N20F115

RECEIVED: 17-Jun-2020

Project: Queensway

Project Number: -

Project Manager: Erin Blaney

REPORTED: 10-Jul-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.

Dean Browne For Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20F115

LAB #	N20F115-01
SAMPLED DATE	16-Jun-20
SAMPLED TIME	
SAMPLE ID	Queensway Sewer

MRL Units
General Parameters (Water)

pH	1.0 pH units	7.5
Biochemical Oxygen Demand / BOD	4.0 mg/L	>144
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	9.0
Solids, Total Suspended / TSS	1.0 mg/L	21
Ammonia (total as N)	0.03 mg/L	27.3
Nitrogen, Total Kjeldahl	0.500 mg/L	30.1
Phosphorus (total)	0.05 mg/L	4.4

Field Data (Water)

Conductivity (field)	1.0 uS/cm	<1.0
Dissolved Oxygen (field)	0.10 mg/L	<0.10
pH (field)	1.00 -	<1.00
Temperature (field)	0.0 °C	<0.0

Glossary of Terms

MRL	Method Reporting Limit
<	Less than the reported detection limit (RDL)
>	Greater than the reported value
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
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Work Order: N20G091

RECEIVED: 15-Jul-2020

Project: Queensway
Project Number: -
Project Manager: Erin Blaney

REPORTED: 27-Jul-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.

Dean Browne For Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20G091

LAB #	N20G091-01
SAMPLED DATE	14-Jul-20
SAMPLED TIME	11:30
SAMPLE ID	Queensway Sewer

MRL Units
General Parameters (Water)

pH	1.0 pH units	7.2
Biochemical Oxygen Demand / BOD	4.0 mg/L	160
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	8.5
Solids, Total Suspended / TSS	1.0 mg/L	27
Ammonia (total as N)	0.03 mg/L	19.7
Nitrogen, Total Kjeldahl	0.500 mg/L	24.8
Phosphorus (total)	0.05 mg/L	4.0

Field Data (Water)

Conductivity (field)	1.0 uS/cm	390
Dissolved Oxygen (field)	0.10 mg/L	1.10
pH (field)	1.00 -	7.00
Temperature (field)	0.0 °C	16.7

Glossary of Terms

MRL	Method Reporting Limit
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
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Work Order: N20G188

RECEIVED: 29-Jul-2020

Project: Queensway
Project Number: -
Project Manager: Erin Blaney

REPORTED: 14-Aug-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.



Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20G188

LAB #	N20G188-01
SAMPLED DATE	28-Jul-20
SAMPLED TIME	13:30
SAMPLE ID	Queensway Sewer

MRL Units

General Parameters (Water)

pH	1.0 pH units	7.4
Biochemical Oxygen Demand / BOD	4.0 mg/L	23
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	<5.0
Solids, Total Suspended / TSS	1.0 mg/L	29
Ammonia (total as N)	0.03 mg/L	23.2
Nitrogen, Total Kjeldahl	1.00 mg/L	29.3
Phosphorus (total)	0.05 mg/L	4.1

Field Data (Water)

Conductivity (field)	1.0 uS/cm	498
Dissolved Oxygen (field)	0.10 mg/L	5.40
Temperature (field)	0.0 °C	6.8

Glossary of Terms

MRL	Method Reporting Limit
<	Less than the reported detection limit (RDL)
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
Terrace BC, V8G 4E1
eblaney@rdks.bc.ca

Work Order: N201119

RECEIVED: 16-Sep-2020

Project: Queensway
Project Number: -
Project Manager: Erin Blaney

REPORTED: 20-Oct-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.



Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N201119

LAB #	N201119-01
SAMPLED DATE	15-Sep-20
SAMPLED TIME	09:30
SAMPLE ID	Queensway Sewer

MRL Units
General Parameters (Water)

pH	1.0 pH units	7.4
Biochemical Oxygen Demand / BOD	4.0 mg/L	61
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	6.1
Solids, Total Suspended / TSS	1.0 mg/L	32
Ammonia (total as N)	0.03 mg/L	27.2
Nitrogen, Total Kjeldahl	0.500 mg/L	33.4
Phosphorus (total)	0.05 mg/L	4.6

Field Data (Water)

Conductivity (field)	1.0 uS/cm	423
Dissolved Oxygen (field)	0.10 mg/L	4.90
pH (field)	1.00 -	7.10
Temperature (field)	0.0 °C	14.7

Glossary of Terms

MRL	Method Reporting Limit
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
Terrace BC, V8G 4E1
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Work Order: N20J137

RECEIVED: 21-Oct-2020

Project: Queensway
Project Number: -
Project Manager: Erin Blaney

REPORTED: 30-Nov-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.



Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20J137

LAB #	N20J137-01
SAMPLED DATE	20-Oct-20
SAMPLED TIME	11:30
SAMPLE ID	Queensway Sewer

MRL Units

General Parameters (Water)

pH	1.0 pH units	7.5
Biochemical Oxygen Demand / BOD	4.0 mg/L	12
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	8.7
Solids, Total Suspended / TSS	1.0 mg/L	23
Ammonia (total as N)	0.03 mg/L	30.6
Nitrogen, Total Kjeldahl	0.500 mg/L	32.4
Phosphorus (total)	0.05 mg/L	4.22

Field Data (Water)

Conductivity (field)	1.0 uS/cm	372
Dissolved Oxygen (field)	0.10 mg/L	11.5
pH (field)	1.00 -	6.80
Temperature (field)	0.0 °C	8.7

Glossary of Terms

MRL	Method Reporting Limit
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
Terrace BC, V8G 4E1
eblaney@rdks.bc.ca

Work Order: N20K074

RECEIVED: 12-Nov-2020

Project: Queensway
Project Number: -
Project Manager: Erin Blaney

REPORTED: 24-Dec-2020

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.



Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20K074

LAB #	N20K074-01
SAMPLED DATE	12-Nov-20
SAMPLED TIME	13:00
SAMPLE ID	Queensway Sewer

MRL Units
General Parameters (Water)

pH	1.0 pH units	7.7
Biochemical Oxygen Demand / BOD	4.0 mg/L	9.7
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	7.2
Solids, Total Suspended / TSS	1.0 mg/L	22
Ammonia (total as N)	0.03 mg/L	29.0
Nitrogen, Total Kjeldahl	1.00 mg/L	30.5
Phosphorus (total)	0.05 mg/L	4.09

Field Data (Water)

Conductivity (field)	1.0 uS/cm	341
Dissolved Oxygen (field)	0.10 mg/L	8.20
pH (field)	1.00 -	7.80
Temperature (field)	0.0 °C	5.7

Glossary of Terms

MRL	Method Reporting Limit
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter

ANALYTICAL REPORT

Regional District of Kitimat Stikine
300 - 4545 Lazelle Avenue
Terrace BC, V8G 4E1
eblaney@rdks.bc.ca

Work Order: N20L055

RECEIVED: 09-Dec-2020

Project: Queensway
Project Number: -
Project Manager: Erin Blaney

REPORTED: 10-Jan-2021

All analyses were performed in accordance with standard procedures published by BC MoE, Health Canada, Environment Canada, the American Public Health Association, or the US EPA.

Northern Laboratories (2010) Ltd.



Jesse Newton
Laboratory Manager

ANALYTICAL REPORT

Regional District of Kitimat Stikine

Work Order: N20L055

LAB #	N20L055-01
SAMPLED DATE	08-Dec-20
SAMPLED TIME	11:00
SAMPLE ID	Lagoon

MRL Units
General Parameters (Water)

pH	1.0 pH units	7.5
Biochemical Oxygen Demand / BOD	4.0 mg/L	30
Carbonaceous Biochemical Oxygen Demand / CBOD	4.0 mg/L	7.9
Solids, Total Suspended / TSS	1.0 mg/L	13
Ammonia (total as N)	0.03 mg/L	26.0
Nitrogen, Total Kjeldahl	1.00 mg/L	26.8
Phosphorus (total)	0.05 mg/L	3.58

Field Data (Water)

Conductivity (field)	1.0 uS/cm	316
Dissolved Oxygen (field)	0.10 mg/L	9.90
pH (field)	1.00 -	8.60
Temperature (field)	0.0 °C	4.9

Glossary of Terms

MRL	Method Reporting Limit
°C	Degrees Celsius
mg/L	Milligrams per Litre
pH units	pH units
uS/cm	Micro Siemens per centimeter