



March 11, 2025

Tracking Number: 439452
Authorization Number: 112352

REGISTERED MAIL

Lhtako Gas and Convenience Store Ltd.
2nd Floor, 736 Broughton St
Victoria, BC V8W 1E1

Dear Approval Holder:

Enclosed is Approval 112352 issued under the provisions of the *Environmental Management Act*. Your attention is respectfully directed to the terms and conditions outlined in the approval that is valid for a duration of 15 months from the signed date and can not be extended. An annual fee will be determined according to the Permit and Approval Fees and Charges Regulation.

This approval 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 approval holder. This approval is issued pursuant to the provisions of the *Environmental Management Act* to ensure compliance with Section 120(3) of that statute, which makes it an offence to discharge waste, from a prescribed industry or activity, without proper authorization. It is also the responsibility of the approval 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.

When a spill or the risk of a spill occurs, the responsible person (spiller) must report it immediately by calling 1-800-663-3456 in accordance with the Spill Reporting Regulation. More information is available on the [Report a Spill](#) website.

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 authorization will be carried out by staff within the Environmental Protection Division's Authorizations and Remediation Branch. Plans, data and reports pertinent to the approval are to be submitted by email to the Environment Authorizations Submission Mailbox (EASM) at EnvAuthorizationsReporting@gov.bc.ca and to the Site Information Officer at Site@gov.bc.ca. If you require clarification of any aspect of this approval, please contact the Authorizations and Remediation Branch at Site@gov.bc.ca.

Please be reminded that the director may, for the protection of the environment in accordance with Section 16 of the *Environmental Management Act*, require the approval holder to do one or more of the following at any time:

- repair, alter, remove, improve or add to existing works, or construct new works, and submit plans and specifications for works specified in this authorization.
- conduct monitoring, and may specify procedures for monitoring and analysis, and procedures or requirements respecting the handling, treatment, transportation, discharge or storage of waste.
- provide security in the amount and form, and subject to the conditions, specified by the director.
- conduct studies and report information in accordance with the specifications of the director.
- recycle certain wastes and recover certain reusable resources, including energy potential from wastes, in accordance with the specifications of the director.

Yours truly,



Jody Fisher
Senior Contaminated Sites Officer
for Director, *Environmental Management Act*
Site Remediation

Enclosure

cc:



**MINISTRY OF
ENVIRONMENT AND
PARKS**

APPROVAL

112352

Under the Provisions of the Environmental Management Act

Lhtako Gas & Convenience Store Ltd.

**2nd Floor, 736 Broughton Street,
Victoria BC V8W 1E1**

is authorized to discharge effluent to ground from a groundwater treatment system located at 1535 Arbutus Road in Quesnel, British Columbia, subject to the terms and conditions listed below. Contravention of any of these conditions is a violation of the *Environmental Management Act* and may lead to prosecution. This discharge is authorized to occur from the issue date of this authorization to June 11, 2026.

1. AUTHORIZED DISCHARGES

1.1 This section applies to the discharge of effluent from a groundwater treatment system. The site reference number for this discharge is E337966.

1.1.1 The maximum rate of discharge is 220 litres per minute.

1.1.2 The authorized discharge period is continuous, 24 hours per day, 7 days a week.

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

Benzene	Maximum: 5 ug/L
Toluene	Maximum: 60 ug/L
Ethylbenzene	Maximum: 140 ug/L
Xylene	Maximum: 90 ug/L
Styrene	Maximum: 800 ug/L
Methyl tert-butyl ether (MTBE)	Maximum: 95 ug/L
VHw6-10	Maximum: 15000 ug/L

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EPHw10-19	Maximum: 5000 ug/L
Acenaphthene	Maximum: 250 ug/L
Anthracene	Maximum: 1000 ug/L
Benzo(a)anthracene	Maximum: 0.07 ug/L
Benzo(a)pyrene	Maximum: 0.01 ug/L
Benzo(b+j)fluoranthenes	Maximum: 0.07 ug/L
Chrysene	Maximum: 7 ug/L
Dibenz(a,h)anthracene	Maximum: 0.01 ug/L
Fluoranthene	Maximum: 150 ug/L
Fluorene	Maximum: 150 ug/L
1-methylnaphthlene	Maximum: 5.5 ug/L
2-methylnaphthlene	Maximum: 15 ug/L
Naphthalene	Maximum: 80 ug/L
Pyrene	Maximum: 100 ug/L
Quinoline	Maximum: 0.05 ug/L
1,3-butadiene	Maximum: 1 ug/L
1,3,5-trimethylbenzene	Maximum: 40 ug/L

- 1.1.4 The discharge is authorized from Authorized Works, which are extraction wells, injection wells, activated carbon vessels and related appurtenances approximately located as shown in APPENDIX A.
- 1.1.5 The approval holder must not discharge under this authorization unless the Authorized Works are complete and fully operational.
- 1.1.6 The location of the facilities from which the discharge originates and the points of discharge are within Quesnel Indian Reserve #1, Lot 2 CLSR 68290, Lot 23 CLSR 104099, and ATBC91 CLSR and are associated with the source site at 1535 Arbutus Road, Quesnel BC, as shown in APPENDIX A.

2. GENERAL REQUIREMENTS

2.1 Capitalized Terms

Capitalized terms referred to in this Authorization are defined in the Glossary below. Other terms used in this Authorization have the same meaning as

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those defined in the *Environmental Management Act* and applicable regulations.

2.2 **General Provisions**

Where this authorization provides that the director may require an action to be carried out, the approval holder must carry out the action in accordance with the requirements of the director.

2.3 **Publication of Documents**

The Ministry of Environment and Parks publishes Regulatory Documents on its website for the purpose of research, public education and to provide transparency in the administration of environmental laws. The approval holder acknowledges that the Province may publish any Regulatory Documents submitted by the approval holder, excluding information that would be exempted from disclosure if the document was disclosed pursuant to a request under section 5 of the Freedom of Information and Protection of Privacy Act, and the approval holder consents to such publication by the Province.

2.4 **Future Upgrading of Works**

The director may require repair, alteration, removal, improvement or addition to works or construction of new or existing works, and submission of plans and specification for works specified in this authorization.

2.5 **Maintenance of Works and Emergency Procedures**

The authorized works must be inspected regularly and maintained in good working order. The approval holder must regularly inspect all authorized works associated with this approval and maintain it in good working order.

The approval holder must maintain for a period of 5 years a record of inspections and maintenance activities and make the records available to an officer upon request.

In the event of an emergency or condition beyond the control of the permit holder which prevents effective operation of the authorized works or leads to an unauthorized discharge, the approval holder must take appropriate remedial action and notify the director immediately. The director may reduce

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or suspend operations to protect the environment until the authorized works has been restored, and/or corrective steps taken to prevent unauthorized discharges.

2.6 Bypasses

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

2.7 Plans – Works

The approval holder must ensure the plans and specifications of the works described in Section one (1) of this Authorization are certified by a Qualified Professional and available to an officer upon request, within 30 days after completion of the works. The Qualified Professional must certify that the works have been constructed in accordance with such plans and specifications before discharge commences under this Authorization.

2.8 Odour Control

Should objectionable odours, attributable to operations of the facilities, occur beyond the property boundary on which the Facility is located, the approval holder must undertake measures or additional works to reduce odour to acceptable levels.

3. SAMPLING REQUIREMENTS

3.1 Sampling Location and Techniques

The approval holder must use sampling locations, techniques, and equipment that are acceptable to the director.

3.2 Sampling Facilities

The approval holder must install and maintain sampling facilities, suitable to the director, immediately after the initial start-up. The approval holder must collect samples at each site according to the schedule specified in Section 3.5. The approval holder must take due care in sampling, storing and transporting the samples to control temperature and avoid contamination, breakage, and

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any other factor or influence that may compromise the integrity of the samples.

3.3 Analytical Procedures

Analyses are to be carried out in accordance with procedures described in the "British Columbia Environmental Laboratory Manual (2023 Edition)", or the most recent edition, or by suitable 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-environmental-laboratory-manual>.

3.4 Quality Assurance

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

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

The approval holder must collect, prepare and submit for analysis by the analytical laboratory(ies) quality control (QC) samples for each parameter. As a minimum,

- The number of QC samples should be at least 10% of all samples collected (environmental + QC samples) within 48 hours of each other, and
- Include duplicate, and field blank samples for each parameter.

3.5 Analyses

The approval holder must collect sample(s) on a monthly frequency and obtain analyses of the samples of effluent from the groundwater treatment system for the following:

Benzene, Toluene, Ethylbenzene, Xylenes, Styrene, MTBE, Volatile

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Hydrocarbons (VHw6-10), Extractable Petroleum Hydrocarbons (EPHw10-19), PAHs (listed in section 1.1.3) and VOCs (listed in section 1.1.3)

3.6 Sampling Procedures

Sampling is to be carried out in accordance with the procedures described in the "British Columbia Field Sampling Manual 2013 Edition", or most recent edition, or by suitable 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>.

4. OPERATIONAL REQUIREMENTS FOR EFFLUENT DISCHARGES

4.1 Flow Measurement

Provide and maintain a suitable flow measuring device for the discharge authorized in Section 1.1 of this permit. Record once per week for the first month of operation and quarterly thereafter the effluent volume discharged over a 24-hour period.

5. GROUNDWATER MANAGEMENT REQUIREMENTS

5.1 Groundwater Monitoring Program

The approval holder must cause a qualified professional to develop a monitoring program capable of identifying potential environmental impacts of the discharge to the receiving environment. The approval holder must design, install, and conduct a groundwater monitoring program that is satisfactory to the director and submit the plan to the director on or before April 25, 2025.

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6. **REPORTING REQUIREMENTS**

6.1 **Reporting**

The approval holder must collect and maintain data of analyses and flow measurements required under this Authorization for inspection when requested by Ministry staff in a form satisfactory to the director.

The approval holder must submit all data required to be submitted under this section by email to the ENV Authorizations Submission Mailbox (EASM) at EnvAuthorizationsReporting@gov.bc.ca and the Site Information Officer at Site@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/comply>

Quarterly

The approval holder must make its first data submission in respect of the previous quarter by April 30th, 2025. This report must include effluent data from the previous quarter.

Annually

The approval holder must make data submissions in respect of each subsequent year by March 31st of the following year.

6.2 **Annual Report and Evaluation**

The approval holder must, by each March 31st that occurs during the term of this authorization, commencing March 31, 2026, submit an Annual Report in a form that is satisfactory to the director and includes, but is not limited to:

- a. a review and interpretation of the monitoring data (effluent and groundwater) for the preceding calendar year,
- b. a graphical analysis with interpretation of any trends in monitoring results prepared by a qualified professional,
- c. an evaluation of the onsite laboratory analysis, and quality and precision based on the results of the quality assurance program required herein,
- d. an evaluation of the performance of the treatment works and identify any changes,

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- e. an implementation schedule for any alterations to the treatment and disposal works which may impact the discharge under this authorization.

6.3 **Veracity of Data**

The approval holder must ensure all information submitted as a requirement of this permit is accurate and free from mistakes or misleading statements. The approval holder must include in any submission required under this approval an explanation for any data that:

- a. is required under the approval but is missing from the submission; and
- b. the approval holder considers to be not representative of the actual discharge, conditions or other circumstances the data is intended to measure.

6.4 **Electronic Upload of Data to Ministry Database**

Without limiting any requirement under this approval to report information to the director, the approval holder must upload the laboratory results and field measurements of discharge and groundwater monitoring programs listed in sections 3 and 5 to the ministry's environmental monitoring results database using the appropriate site identification numbers, as listed in clause 1.1. The approval holder must upload data to the database within 60 calendar days of the end of the monthly period during which samples were collected.

7. **NON-COMPLIANCE REPORTING**

7.1 **Non-compliance Notification**

The approval holder must immediately notify the director by email at the Ministry's Compliance Reporting Submission Mailbox (CRSM) EnvironmentalCompliance@gov.bc.ca, or as otherwise instructed by the director, of any non-compliance with the requirements of this Authorization and must immediately take remedial action to remedy any effects of such non-compliance.

7.2 **Non-compliance Reporting**

The approval holder must, within 30 days of any non-compliance event, 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 approval holder 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 approval holder to prevent similar non-compliance(s) in the future.

The approval holder must submit all non-compliance reporting required to be submitted under this section by email to the CRSM at 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 [Comply with a Waste Discharge Authorization](#).

7.3 **Reporting of Exceedances**

The approval holder must cause each data submission required by this authorization to include a statement outlining the number of exceedances of permitted discharges that occurred during the reporting period, the dates of each such exceedance, an explanation as to the cause of the exceedances, and a description of the measures taken by the approval holder to rectify the cause of each such exceedance. If no exceedances occurred over the reporting period, the required statement may instead indicate that no exceedance of permitted discharges occurred.

8. **CLOSURE**

8.1 **Closure Plan**

A written closure plan for the remediation system must be prepared and submitted for approval by the Direction of Waste Management within 90 days of permanently ceasing operation of the works authorized in this permit.

GLOSSARY

“Authorized Works” means:

Extraction wells, injection wells, activated carbon vessels and related appurtenances as stated in Section 1.1.4.

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“Facility” means:

The groundwater containment and treatment system located at 1535 Arbutus Road, Quesnel, BC.

“Province” means:

His Majesty the King in right of British Columbia.

“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:

- 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). In addition, a completed Declaration of Competency and Conflict of Interest Disclosure Statement must accompany documents submitted to the director by a Qualified Professional.

“Regulatory Document” means:

Any document that the approval holder 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 approval holder that is related to the facility described in this Authorization or the discharge of waste from that facility.

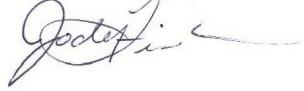
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“Suitably Tabulated” means:

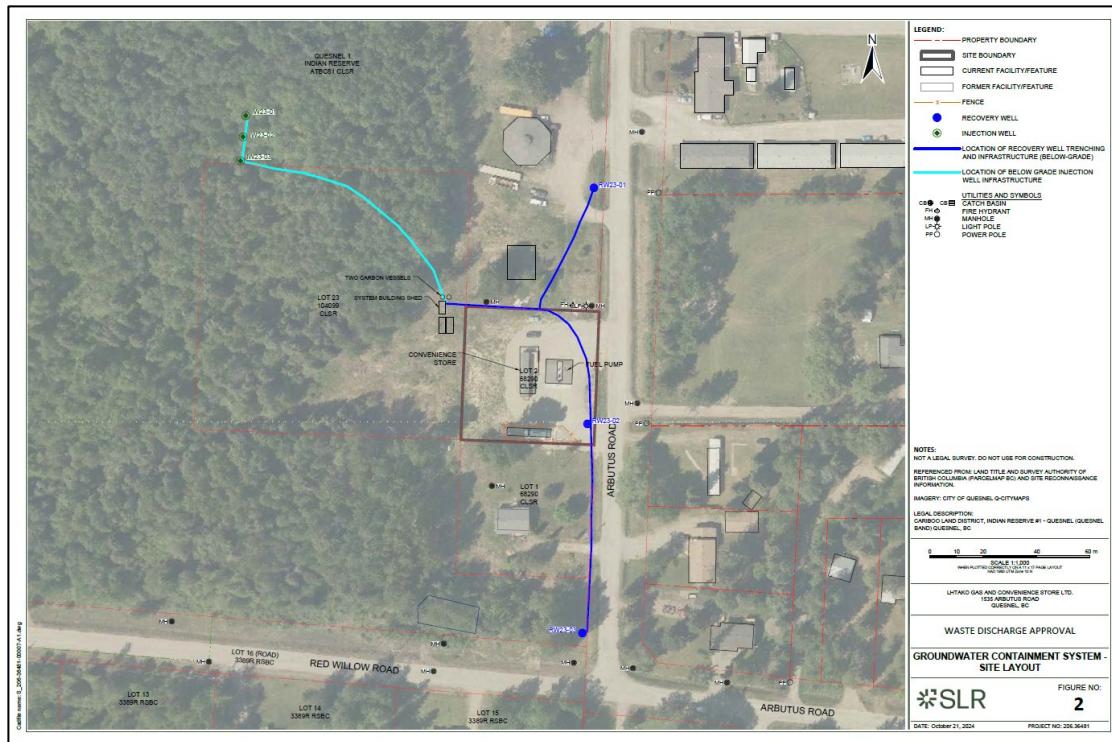
Data is clearly presented in a table. The table must include any applicable regulatory limits/guidelines (e.g. permit limits, BCWQGs, CSR guidelines, etc.). Any exceedances of respective regulatory limits/guidelines must be clearly highlighted. Any missed sampling events or missing data must be identified with an explanation provided.

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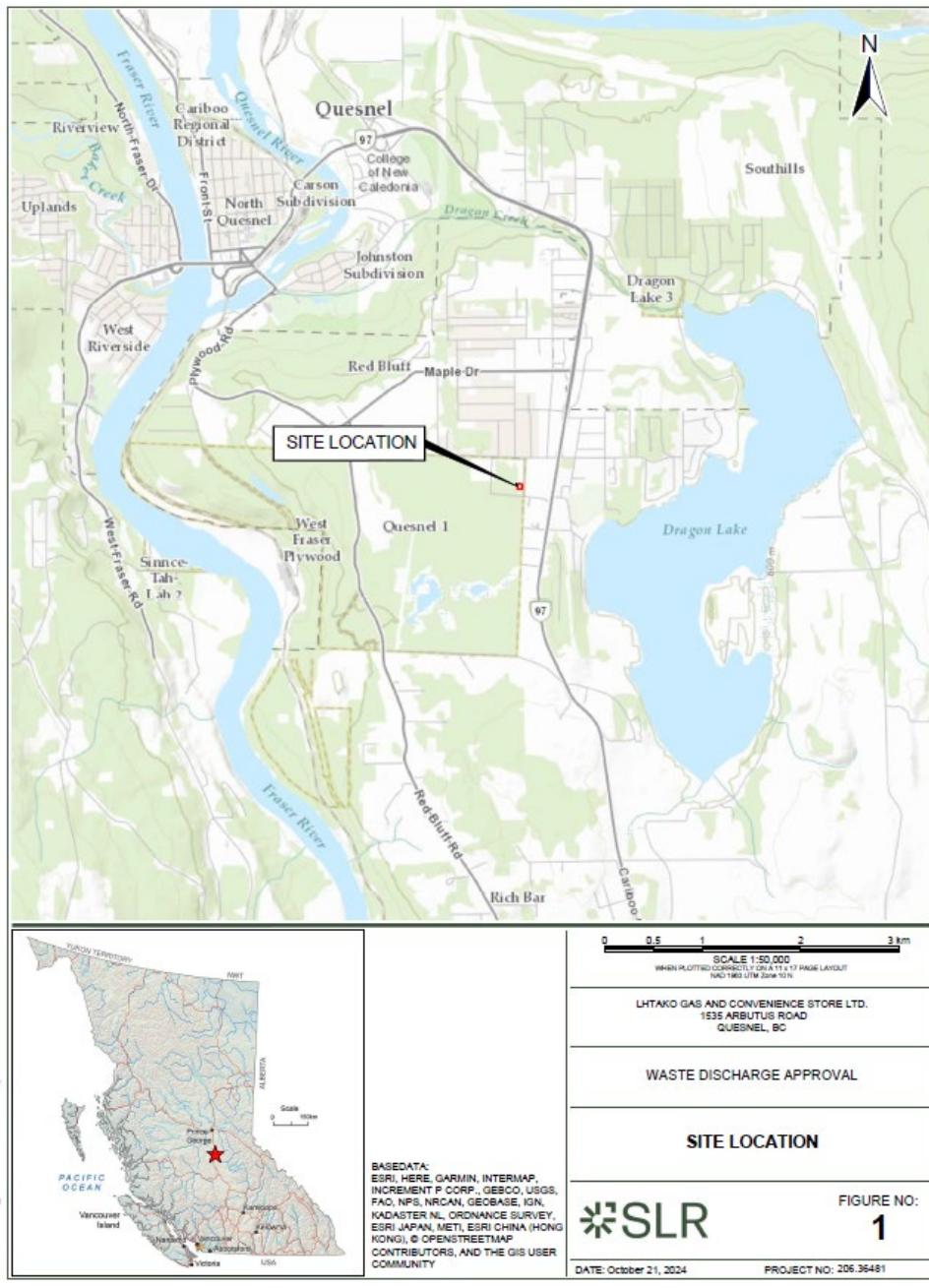
APPENDIX A: Groundwater Containment System – Site Layout



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APPENDIX B: Site Location



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