

**GROUNDWATER
EXPLORATION
PERMIT**



Issued in accordance with the provisions

The Water Rights Act and regulations made thereunder.

Subject to the terms and conditions contained in this Groundwater Exploration Permit, the Minister of Conservation and Climate authorizes:

Hylife Ltd.

In the **Municipality of Grassland**, in the province of Manitoba, to explore for groundwater; as well as construct water well(s), install pump(s) and transmittal pipeline(s) (the "WORKS") for **Agricultural** purposes on the following land:

SE 23-5-21 WPM

This Groundwater Exploration Permit does not authorize diversion and use of water for **Agricultural** purposes.

The WORKS shall be constructed in accordance with the terms and conditions described as follows:

1. This Permit expires within twenty-four (24) months of the date of issuance. Failure to construct all of the necessary WORKS and use water for **Agricultural** purposes prior to the permit expiry date may result in cancellation of the application for a Water Rights Licence.
2. This Permit is not transferable or assignable to any other party.
3. The Permittee must have legal access to all lands occupied by the project.
4. The Permittee must hold and maintain all regulatory approvals and requirements for the construction of the WORKS as provided by this Permit.
5. Prior to undertaking any work or construction of any WORKS authorized by this Permit, the Permittee must retain the services of a hydrogeologist registered with Engineers Geoscientists Manitoba, who is required to:
 - a. Plan and supervise the drilling of boreholes, test well(s), production well(s), observation well(s) and well pump testing.
 - b. Conduct a constant rate pumping test on the proposed production well(s) in accordance with Form H. (https://www.gov.mb.ca/sd/pubs/water/form_h_july.pdf)
 - c. Conduct a recovery test for a period equal to pump test or 90% recovery, whichever comes first.
 - d. Conduct an inventory of private and commercial wells within a one mile radius of the project well(s) site. The inventory may be expanded based on the assessment of the expected area of water level draw-down impact resulting from future pumping.
 - e. Prepare and submit to the Water Use Licensing Section a technical report on the drilling of boreholes and test wells, pump testing of wells, well inventory and water quality sampling. The report must contain: well driller's report for test well(s) production well(s) and observation well(s); a location plan of the well(s) on the property and/or GPS locations of the well(s); an analysis of aquifer pumping tests; and calculations of transmissivity. The report must also indicate if any local wells are expected to be adversely affected by the proposed use of water and where these wells are located. A digital copy of the report must be submitted.
6. The Permittee must cease pumping immediately if any local water supplies are negatively impacted as a result of the pumping tests. The Permittee is also responsible to correct any water supply problems or provide a temporary water supply to anyone whose water supplies are negatively impacted as a result of the tests.
7. The Permittee shall assume any liability that may result from the construction of the WORKS.
8. The Province of Manitoba shall hereby be released from any liability or claims for damages that may result from the construction of the WORKS.
9. The Minister or Minister's agents have the right of unrestricted access for the purpose of inspection of any WORKS constructed under this Permit.
10. The issuance of this Permit does not imply that the Department will extend or renew the Permit in subsequent years.

11. A water use monitoring device must be installed on the pipeline from the supply well(s), positioned to accurately measure instantaneous pumping rate and accumulative withdrawals.

FOR OFFICE USE ONLY

Issued at the City of Winnipeg, in the Province of Manitoba, this 20th day of February A.D. 2020.

Perry Stonehouse

Print Name



Signature

Signed by the Honourable Minister of Conservation and Climate (or her/his designate)