

Oregon Water Resources Department

Final Order Limited License Application LL-1812



Appeal Rights

This is a final order in other than a contested case. This order is subject to judicial review under ORS 183.484. Any petition for judicial review must be filed within the 60-day time period specified by ORS 183.484(2). Pursuant to ORS 536.075 and OAR 137-004-0080 you may either petition for judicial review or petition the Director for reconsideration of this order. A petition for reconsideration may be granted or denied by the Director, and if no action is taken within 60 days following the date, the petition was filed, the petition shall be deemed denied.

Requested Water Use

Applicant	Mayfield Farms LLC
Date Submitted	January 16, 2020
Amount & Source	0.22 cubic foot per second from Proposed Well 2
Use	Commercial Uses
Period of Use	Issuance through five years
County	Marion County
POD Location	Proposed Well 2 - SE ¼, SE ¼, Section 32, Township 3 South, Range 1 West, W.M.

Authorities

The Department may approve a limited license pursuant to its authority under ORS 537.143, 537.144 and OAR 690-340-0030.

ORS 537.143(2) authorizes the Director to revoke the right to use water under a limited license if it causes injury to any water right or a minimum perennial streamflow.

A limited license will not be issued for more than five consecutive years for the same use, as directed by ORS 537.143(8).

Findings of Fact

1. The forms, fees, and map have been submitted, as required by OAR 690-340-0030(1).
2. The Department provided public notice of the application on January 21, 2020, as required by OAR 690-340-0030(2).
3. The Department has not received comments related to the possible issuance of the limited license.

4. This limited license request is limited to an area within a single drainage basin, as required by OAR 690-340-0030(3).
5. As part of its review to determine groundwater availability, the Department's Groundwater Section has determined that groundwater cannot be determined to be over appropriated, and is available for the requested use. The proposed use will, if properly conditioned, avoid injury to existing groundwater rights or to the groundwater resource. The Department's Groundwater Section has stipulated conditions pertaining to water-use, static water level measurements, well construction conditions, and limiting groundwater production only from the Columbia River Basalt Group. A copy of this review is in the file.
6. Pursuant to OAR 690-340-0030(4)(5), conditions have been added with regard to notice and water-use measurement.
7. The Department may not issue a limited license for the same use for more than five consecutive years. (ORS 537.143)(8).
8. Marion County has indicated that the proposed use is compatible with the applicable acknowledged comprehensive land-use plan. A copy of the land use compatibility statement is in the file

Conclusions of Law

The proposed water use will not impair or be detrimental to the public interest pursuant to OAR 690-340-0030(2), as limited in the order below.

Order

Therefore, pursuant to ORS 537.143, ORS 537.144, and OAR 690-340-0030, application LL-1812 is approved as conditioned below.

1. The period and rate of use for LL-1812 shall be from the date of this final order through five years for the use of 0.22 cubic foot per second from a well, for the purpose of commercial uses.
2. The licensee shall give notice to the Watermaster in the district where use is to occur not less than 15 days or more than 60 days in advance of using the water under the limited license. The notice shall include the location of the diversion, the quantity of water to be diverted, and the intended use and place of use. In the case of this application, this order serves as the notice described above.
3. Before water use may begin under this limited license, the licensee shall install a totalizing flow meter at the point of appropriation. The totalizing flow meter must be installed and maintained in good working order. In addition the licensee shall maintain a record of all water use, including the total number of hours of pumping, the total quantity pumped, and the categories of beneficial use to which the water is applied. During the period of the limited license, the record of use shall be submitted to the Department annually, and shall be submitted to the Watermaster upon request.

4. Static Water Level Condition:

Use of water from any well, as allowed herein, shall be controlled or shut off if the well displays:

- A. An average water-level decline of three or more feet per year for five consecutive years; or
- B. A total water-level decline of 15 or more feet; or
- C. A hydraulic interference decline of 15 or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.

The appropriator shall be responsible for complying with each of the following requirements for measuring water levels in the well.

- A. Use of water from a new well shall not begin until an initial static water level in the well has been measured and reported to the Department.
- B. In addition to the measurement required in subsection (a) of this section, a water-level measurement shall be made each year during the period March 1 through March 31.
- C. All water-level measurements shall be made by a qualified individual. Qualified individuals are certified water rights examiners, registered geologists, registered professional engineers, licensed land surveyors, licensed water well constructor, licensed pump installer.
- D. Any qualified individual measuring a well shall use standard methods of procedure and equipment designed for the purpose of well measurement. The equipment used shall be well suited to the conditions of construction at the well. A list of standard methods of procedure and suitable equipment is available from the Department.
- E. The appropriator shall report the record of measurement to the Department on a form available from the Department. The record of measurement shall include both measurements and calculations, shall include a certification as to their accuracy signed by the individual making the measurements, and shall be submitted to the Department within 90 days from the date of measurement. The Department shall determine when any of the declines cited in section (1) are evidenced by the well measurement required in section (2).

5. Well Construction Conditions:

- A. Groundwater production shall only occur from the **Columbia River Basalt Group**.
- B. Each basalt well shall be cased and continuously sealed from land surface into at least 5 feet of hard dense basalt, estimated to be at a depth of at least 300 feet below land surface, to preclude hydraulic connection to nearby streams.

- C. Each basalt well shall be open to a single aquifer of the Columbia River Basalt Group and shall meet applicable well construction standards (OAR 690-200 and OAR 690-210).

In addition, the open interval in each well shall be no greater than 100 feet. An open interval of greater than 100 feet may be allowed if substantial evidence of a single aquifer completion can be demonstrated to the satisfaction of the Department Hydrogeologists, using information from a video log, downhole flowmeter, water chemistry and temperature, or other downhole geophysical methods. These methods shall characterize the nature of the basalt rock and assess whether water is moving in the borehole. Any discernable movement of water within the well bore when the well is not being pumped shall be assumed as evidence of the presence of multiple aquifers in the open interval.

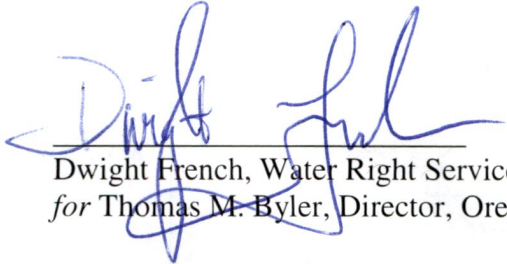
If during well construction, it becomes apparent that the well can be constructed to eliminate interference with hydraulically connected streams in a manner other than specified in this limited license, the applicant can contact the Department Hydrogeologist for this limited license or the Ground Water Section Manager to request approval of such construction. The request shall be in writing, and shall include a rough well log and a proposed construction design for approval by the Department. The request can be approved only if it is received and reviewed prior to placement of any permanent casing and sealing material. If the request is made after casing and seal are place, the requested modification will not be approved.

- D. A dedicated water-level measuring tube shall be installed in each well. The measuring tube shall meet the standards described in OAR 690-215-0060. When requested, access to the wells shall be provided to Department staff in order to make water-level measurements.
- E. The applicant shall coordinate with the driller to ensure that drill cuttings are collected at 10 foot intervals and at changes in formation in each well. A split of each sample interval shall be provided to the Department.
- F. If any geologic and hydrogeologic reports are completed for the applicant during the development of the wells, including geophysical well logs and borehole video logs, then copies of the requests shall be provided to the Department. Except for borehole video logs, two paper copies, or a single electronic copy, shall be provided of each report. Digital tables of any data shall be provided upon request.
6. The Director may revoke the right to use water for any reason described in ORS 537.143(2), and OAR 690-340-0030(6). Such revocation may be prompted by field regulatory activities or by any other information.
7. Use of water under a limited license shall not have priority over any water right exercised according to a permit or certificate, and shall be subordinate to all other authorized uses that rely upon the same source.
8. By law, the land use associated with this water use must be in compliance with statewide land-use goals and any local acknowledged land-use plan.

9. A copy of this limited license shall be kept at the place of use, and be made available for inspection by the Watermaster or other state authority.

NOTE: This water-use authorization is temporary. Applicants are advised that issuance of this final order does not guarantee that any permit for the authorized use will be issued in the future; any investments should be made with that in mind.

Issued MAR 12 2020



Dwight French, Water Right Services Division Administrator
for Thomas M. Byler, Director, Oregon Water Resources Department

cc: Greg Wacker, District Watermaster #16
Jason Brandt, ODFW
Nancy Gramlich, DEQ
Doann Hamilton, Pacific Hydro-Geology Inc.
Hydrographics
File

If you need further assistance, please contact the Water Rights Section at the address, phone number, or fax number below. When contacting the Department, be sure to reference your limited license number for fastest service.

Remember, this limited license does not provide a secure source of water. Water use can be revoked at any time. Such revocation may be prompted by field regulatory activities or many other reasons.

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