

STATE OF OREGON
Water Resources Department
725 Summer St. N.E.
Salem, OR 97301

MEMORANDUM

DATE: 12/01/2022

TO: Mary Bjork, Permit Renewal Review; Justin Iverson, GW Section Manager; Jake Constans, District 18 Watermaster

FROM: Dennis Orlowski, Hydrogeologist

SUBJECT: Application: G-13294 Permit: G-16645 EX
Information to Assess Permit Renewal Request

Location: T 2S/ R 3W- S 14
GW Limited Area: Chehalem Mountain
Permittee: Dave Musso
Use: Irrigation, March 1 – October 31 (8.5 acres)
Priority Date: February 17, 1993
Permit History:

Permit	Date Issued	Date Expired
G-11879 EX	12/6/1994	12/6/1999
G-15034 EX	3/15/2002	10/31/2004
G-15746 EX	11/1/2004	10/31/2009
G-16645 EX	1/27/2011	10/31/2014

Q: 0.0365 cfs

Well Logs: WASH 13520/13516.

Decline Triggers: From permit G-16645 EX: “(1) 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 in fewer than 5 consecutive years; or
(c) a water level decline of 25 or more feet; or
(d) a hydraulic interference decline of 25 or more feet in any neighboring well providing water for senior exempt uses or wells covered by prior rights.

Renewal Criteria: From permit G-16645 EX: “This permit may be renewed for additional periods of time, not to exceed five years each, if the Director finds the groundwater resource can probably support the continued use.”

Pump Test: Not required (and none on record).

Long-term supply plan: None on record.

Water Use Rptg: Not required (and none on record).

COBU: On record.

Water Level Rptg: Permittee is required to submit a March water level each year; on record 1999-2011 (but does include several non-March levels through 2017).

Ref. Water Level: 170.0 ft blsd.

SWL Data: Relevant March data shown increasing trend from 2000-2011, then declining ~10 ft in 2015, stable through 2017.

Comments

TRIGGERS. Because the most recently submitted March water level measurement is from 2011, it is not possible to evaluate current compliance with permit decline conditions.

RECOVERY FROM TRIGGER LEVELS. Not applicable currently (see related discussions under “Triggers” and “Permit Renewal” sections).

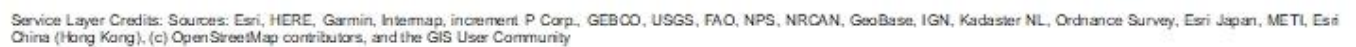
AREA WATER LEVEL BEHAVIOR. Assumed to be relatively stable, although groundwater level data are relatively sparse near the authorized well location.

PERMIT RENEWAL. Based on area water level behavior, the groundwater resource can probably support the extended use authorized by permit G-16645 EX.

However, if groundwater level measurements are not submitted within the next year, use under this permit should be curtailed. If compliance with the water level measurement reporting condition is not met by the time of the next renewal review, then permit renewal should be denied at that time.

If renewed by the Water Rights Section, it is requested that the renewal for application G-13294/permit G-16645 EX include a **new expiration date of October 31, 2028**. The Groundwater Section proposes that, to the extent possible, all time-limited permits within a particular GWLA possess the same expiration date. The goal for synchronizing expiration dates will be to streamline future groundwater technical reviews by allowing them to be done concurrently for a particular GWLA.

Permit G-16645 EX, Renewal Review
Dave Musso
T2S/R3W Section 14



Water Use Report – NOT REQUIRED

Hydrograph

