



# Oregon

John A. Kitzhaber, MD, Governor

**Water Resources Department**  
North Mall Office Building  
725 Summer Street NE, Suite A  
Salem, OR 97301-1271  
503-986-0900  
FAX 503-986-0904

COUNTY OF MULTNOMAH  
FACILITIES AND PROPERTY MANAGEMENT  
ATTENTION: MICHAEL MCBRIDE  
401 N DIXON ST  
PORTLAND, OR 97227

February 3, 2012

Reference: File G-17467

Dear Applicant:

**THIS IS NOT A PERMIT AND IS  
SUBJECT TO CHANGE AT THE NEXT PHASE OF PROCESSING.**

This letter is to inform you of the preliminary analysis of your water use permit application and to describe your options. In determining whether a water use permit application may be approved, the Department must consider the factors listed below, all of which must be favorable to the proposed use if it is to be allowed. Based on the information you have supplied, the Water Resources Department has made the following preliminary determinations:

Initial Review Determinations:

1. The application proposed the appropriation of 200.0 gallons per minute, or 0.45 cubic foot per second (CFS), of water from Extraction Well TW-1 (MULT 103417) and Extraction Well EW-1 (MULT 105451), in Fairview Creek Basin, for year-round commercial uses including geothermal (heating & cooling) and year-round pollution abatement.

The extracted water will be injected into the originating aquifer at Injection Well IW-1 (MULT 107578).

2. The proposed use is not prohibited by law or rule except where otherwise noted below.
3. The appropriation of water from Extraction Well TW-1 (MULT 103417) and Extraction Well EW-1 (MULT 105451) in Fairview Creek Basin for year-round commercial uses including geothermal (heating & cooling) and pollution abatement is allowed in the Willamette River Basin Plan.
4. Groundwater will likely be available within the capacity of the resource, and if properly conditioned, the proposed use of groundwater will avoid injury to existing groundwater rights.

The Department has determined, based upon OAR 690-009, that the proposed ground water use will not have the potential for substantial interference with any surface water source.

**Summary of Initial Determinations**

**The appropriation of 0.45 CFS from Extraction Well TW-1 (MULT 103417) and Extraction Well EW-1 (MULT 105451) in Fairview Creek Basin for year-round commercial uses including geothermal (heating & cooling) and pollution abatement is allowable during the full period requested, year-round.**

Because of these favorable determinations, the Department can now move your application to the next phase of the water-rights application review process, where public interest factors will be evaluated.

Please reference the application number when sending any correspondence regarding the conclusions of this initial review. Comments received within the comment period will be evaluated at the next phase of the process.

**To Proceed With Your Application:**

If you choose to proceed with your application, you do not have to notify the Department. Your application will automatically be placed on the Department's Public Notice to allow others the opportunity to comment. After the comment period the Department will complete a public interest review and issue a Proposed Final Order.

**Withdrawal Refunds:**

If you choose not to proceed, you may withdraw your application and receive a refund (minus a \$200 processing charge per application). To accomplish this you must notify the Department in writing by **Friday, February 17, 2012**. For your convenience you may use the enclosed "STOP PROCESSING" form.

**If A Permit Is Issued It Will Likely Include The Following Conditions:**

1. Measurement, recording and reporting conditions:
  - A. Before water use may begin under this permit, the permittee shall install a totalizing flow meter or other suitable measuring device as approved by the Director at each production well and injection well. The permittee shall maintain the meter or measuring device in good working order.
  - B. The permittee shall keep a complete record of the amount of water used each month, and shall submit a report which includes the recorded water use measurements to the Department annually or more frequently as may be required by the Director. Further, the Director may require the permittee to report general water-use information, including the place and nature of use of water under the permit.
  - C. The permittee shall allow the watermaster access to the meter or measuring device; provided however, where any meter or measuring device is located within a private structure, the watermaster shall request access upon reasonable notice.
  - D. The Director may provide an opportunity for the permittee to submit alternative measuring and reporting procedures for review and approval.

2. To monitor the effect of water use from the well(s) authorized under this permit, the Department requires the water user to obtain, from a qualified individual (see below), and report annual static water level measurements. The static water level shall be measured in the month of March. Reports shall be submitted to the Department within 30 days of measurement.

Measurements must be made according to the following schedule:

**Before Use of Water Takes Place**

Initial and Annual Measurements

The Department requires the permittee to report an initial water level measurement in the month specified above once well construction is complete and annually thereafter until use of water begins; and

**After Use of Water has Begun**

Seven Consecutive Annual Measurements

Following the first year of water use, the user shall report seven consecutive annual static water level measurements. The first of these seven annual measurements will establish the reference level against which future annual measurements will be compared. Based on an analysis of the data collected, the Director may require the user to obtain and report additional annual static water level measurements beyond the seven year minimum reporting period. The additional measurements may be required in a different month. If the measurement requirement is stopped, the Director may restart it at any time.

All measurements shall be made by a certified water rights examiner, registered professional geologist, registered professional engineer, licensed well constructor or pump installer licensed by the Construction Contractors Board and be submitted to the Department on forms provided by the Department. The Department requires the individual performing the measurement to:

- A. Identify each well with its associated measurement; and
- B. Measure and report water levels to the nearest tenth of a foot as depth-to-water below ground surface; and
- C. Specify the method used to obtain each well measurement; and
- D. Certify the accuracy of all measurements and calculations reported to the Department.

The water user shall discontinue use of, or reduce the rate or volume of withdrawal from, the well(s) if any of the following events occur:

- A. Annual water level measurements reveal an average water level decline of three or more feet per year for five consecutive years; or
- B. Annual water level measurements reveal a water level decline of 15 or more feet in fewer than five consecutive years; or
- C. Annual water level measurements reveal a water level decline of 25 or more feet; or
- D. Hydraulic interference leads to a decline of 25 or more feet in any neighboring well with senior priority.

The period of non-use or restricted use shall continue until the water level rises above the decline level which triggered the action or until the Department determines, based on the permittee's and/or the Department's data and analysis, that no action is necessary because the aquifer in question can sustain the observed declines without adversely impacting the resource or senior water rights. The water user shall in no instance allow excessive decline, as defined in Commission rules, to occur within the aquifer as a result of use under this permit. If more than one well is involved, the water user may submit an alternative measurement and reporting plan for review and approval by the Department.

3. Prior to using water from any well listed on this permit, the permittee shall ensure that the well has been assigned an OWRD Well Identification Number (Well ID tag), which shall be permanently attached to the well. The Well ID shall be used as a reference in any correspondence regarding the well, including any reports of water use, water level, or pump test data.
4. Prior to use of water under this permit, the permit holder must register the injection activity with the Oregon Department of Environmental Quality's Underground Injection Control (UIC) Program. At the time of permit issuance, the program coordinator is Barbara Priest, who can be contacted at 811 SW 6th Ave, Portland OR 97204, or 503-229-5945.
5. All extracted (pumped) ground water shall be injected into the same (originating) aquifer.
6. Prior to receiving a certificate of water right, the permit holder shall submit documentation affirming that any applicable additional requirements of the Department's Division 230 rules have been met.

The water source identified in your application may be affected by an Agricultural Water Quality Management Area Plan. These plans are developed by the Oregon Department of Agriculture (ODA) with the cooperation of local landowners and other interested stakeholders, and help to ensure that current and new appropriations of water are done in a way that does not adversely harm the environment. You are encouraged to explore ODA's Water Quality Program web site at [http://www.oregon.gov/ODA/NRD/water\\_agplans.shtml](http://www.oregon.gov/ODA/NRD/water_agplans.shtml) to learn more about the plans and how they may affect your proposed water use.

If you have any questions:

Feel free to call me at 503-986-0816 if you have any questions regarding the contents of this letter or your application. Please have your application number available if you call. General questions about water rights and water use permits should be directed to our customer service staff at 503-986-0801. When corresponding by mail, please use this address: Kerry Kavanagh, Oregon Water Resources Department, 725 Summer St NE Ste A, Salem OR 97301-1266. Our fax number is 503-986-0901.

Sincerely,



Kerry Kavanagh  
Water Right Application Caseworker

enclosures: Application Process Description and Stop Processing Request Form

G-17467  
WAB 2- no PSI  
POU 2- no PSI  
GW

# APPLICATION FACT SHEET

Application File Number: G-17467

Applicant: COUNTY OF MULTNOMAH, FACILITIES AND PROPERTY MANAGEMENT;  
ATTENTION: MICHAEL MCBRIDE

County: Multnomah

Watermaster: 20

Priority Date: June 3, 2011

Source: EXTRACTION WELL TW-1 (MULT 103417) AND EXTRACTION WELL EW-1  
(MULT 105451) IN FAIRVIEW CREEK BASIN

Use: COMMERCIAL USES INCLUDING GEO-THERMAL (HEATING & COOLING) AND  
POLLUTION ABATEMENT

Quantity: 0.45 CUBIC FOOT PER SECOND

Basin Name & Number: Willamette, #2

Stream Index Reference: Volume 26 COLUMBIA R & MISC WWM

Well Locations:

EXTRACTION WELL TW-1 (MULT 103417) - NWNW, SECTION 5, T1S, R3E,  
W.M.;310 FEET SOUTH AND 665 FEET EAST FROM NW CORNER, SECTION 5

EXTRACTION WELL EW-1 (MULT 105451) - NWNW, SECTION 5, T1S, R3E,  
W.M.;595 FEET SOUTH AND 665 FEET EAST FROM NW CORNER, SECTION 5

INJECTION WELL 1W-1 (MULT 107578) - NWNW, SECTION 5, T1S, R3E, W.M.;60  
FEET SOUTH AND 685 FEET EAST FROM NW CORNER, SECTION 5

Place of Use:

NW  $\frac{1}{4}$  NW  $\frac{1}{4}$   
SECTION 5  
TOWNSHIP 1 SOUTH, RANGE 3 EAST, W.M.

**14 DAY STOP PROCESSING DEADLINE DATE: Friday, February 17, 2012**

**PUBLIC NOTICE DATE: Tuesday, February 7, 2012**

**30 DAY COMMENT DEADLINE DATE: Thursday, March 8, 2012**

# Mailing List for IR Copies

Application #G-17467

IR Date: February 3, 2012

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**Original mailed to applicant:**

MICHAEL MCBRIDE  
COUNTY OF MULTNOMAH; FACILITIES AND PROPERTY MANAGEMENT  
ATTENTION: MICHAEL MCBRIDE  
401 N DIXON ST  
PORTLAND, OR 97227

Copies sent to:

1. WRD - File # G-17467
2. WRD - Water Availability: Ken Stahr

IR, Map, and Fact Sheet Copies sent to:

3. WRD -Watermaster # 20

Copies Mailed By: _____ (SUPPORT STAFF) on: _____ (DATE)
----------------------------------------------------------------------

Affected Landowners (include "Notice of Initial Review--Affected Landowner"):

Copies sent to Other Interested Persons (CWRE, Agent, Well Driller, Commenter, etc.)

4. DEQ, Water Quality Division, Barbara Priest, 811 SW 6<sup>th</sup>, Portland OR 97204-1390
5. Erik Hedberg, GeoDesign, Inc., 15575 SW Sequoia Parkway, Suite 100, Portland, OR 97224