

SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

- YES, there are no encumbrances.
- YES, the land is encumbered by easements, rights of way, roads or other encumbrances. Bank financing on one smaller part of the overall Touchmark Height, LLC property holdings.
- NO, I have a recorded easement or written authorization permitting access.
- NO, I do not currently have written authorization or easement permitting access.
- NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
- NO, because water is to be diverted, conveyed, and/or used only on federal lands.

Affected Landowners: List the names and mailing addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, even if the applicant has obtained written authorization or an easement from the owner. *(Attach additional sheets if necessary).*

Legal Description: You must provide the legal description of: 1. The property from which the water is to be diverted, 2. Any property crossed by the proposed ditch, canal or other work, and 3. Any property on which the water is to be used as depicted on the map. LEGAL DESCRIPTION ACCOMPANIES THIS APPLICATION.

SECTION 3: WELL DEVELOPMENT

WELL NO.	NAME OF NEAREST SURFACE WATER	IF LESS THAN 1 MILE:	
		DISTANCE TO NEAREST SURFACE WATER	ELEVATION CHANGE BETWEEN NEAREST SURFACE WATER AND WELL HEAD
15 MILLER (PROPOSED)	SOUTH FORK, JOHNSON CREEK, EXTREME UPPER END OF CREEK	845 FEET	APROX 65 FEET

Please provide any information for your existing or proposed well(s) that you believe may be helpful in evaluating your application. For existing wells, describe any previous alteration(s) or repair(s) not documented in the attached well log or other materials *(attach additional sheets if necessary).*

Proposed well to be constructed according to current OWRD well construction standards. Construction will be done by Oregon-licensed and bonded well constructor. Estimated depth is 420 feet, more or less.

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 60 GPM (each well will be evaluated at the maximum rate unless you indicate well-specific rates and annual volumes in the table below).

The table below must be completed for each source to be evaluated or the application will be returned. If this is an existing well, the information may be found on the applicable well log. (If a well log is available, please submit it in addition to completing the table.) If this is a proposed well, or well-modification, consider consulting with a licensed well driller, geologist, or certified water right examiner to obtain the necessary information. **NOTE: Proposed well components in table below based on consultation with licensed well driller with input from OWRD well standards staff.**

OWNER'S WELL NAME OR NO.	PROPOSED	EXISTING	WELL ID (WELL TAG) NO.* OR WELL LOG ID**	FLOWING ARTESIAN	CASING DIAMETER	CASING INTERVALS (IN FEET)	PERFORATED OR SCREENED INTERVALS (IN FEET)	SEAL INTERVALS (IN FEET)	MOST RECENT STATIC WATER LEVEL & DATE (IN FEET)	PROPOSED USE			
										SOURCE AQUIFER***	TOTAL WELL DEPTH	WELL-SPECIFIC RATE (GPM)	ANNUAL VOLUME (ACRE-FEET)
15 MILLER	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	8-inch (estimated)	0 – 200 feet (OWRD input)	To be determined	0 – 200 (OWRD input)	To be determined at well completion	Volcanic & Volcaniclastic Aquifer System	420 feet (estimated)	60 GPM (Target Rate)	36 (Target Volume)
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									
	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>									

* Licensed drillers are required to attach a Department-supplied Well Tag, with a unique Well ID or Well Tag Number to all new or newly altered wells. Landowners can request a Well ID for existing wells that do not have one. The Well ID is intended to serve as a unique identification number for each well.
 ** A well log ID (e.g. MARI 1234) is assigned by the Department to each log in the agency's well log database. A separate well log is required for each subsequent alteration of the well.
 *** Source aquifer examples: Troutdale Formation, gravel and sand, alluvium, basalt, bedrock, etc.

- If the use is **domestic**, indicate the number of households: ____ (Exempt Uses: Please note that 15,000 gallons per day for single or group **domestic** purposes and 5,000 gallons per day for a single **industrial or commercial** purpose are exempt from permitting requirements.)
- If the use is **mining**, describe what is being mined and the method(s) of extraction (*attach additional sheets if necessary*): ____

SECTION 6: WATER MANAGEMENT

A. Diversion and Conveyance

What equipment will you use to pump water from your well(s)?

- Pump (give horsepower and type): 10 Horsepower submersible turbine pump.
 Other means (describe): ____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water.

Water will be appropriated from a proposed new well to be constructed. Water will be conveyed from the well through a buried pipeline to a 30,000-gallon cistern facility. Water will be pumped from the cistern to places of water use, including irrigation and agricultural use (production of agricultural products, operations and maintenance of production facilities and equipment) through buried distribution pipelines. Pipelines and cistern facilities will be constructed underground. Operation of the water appropriation works will be arranged to supply water to the cistern facilities automatically on demand as water is pumped from the cistern to places of water use. Water will be pumped from the cistern to irrigation and agricultural places of water use by a centrifugal pump.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler) (*attach additional sheets if necessary*). Pressurized drip and sprinkler irrigation systems through piped water distribution systems.

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to aquatic life and riparian habitat; prevent the discharge of contaminated water to a surface stream; prevent adverse impact to public uses of affected surface waters (*attach additional sheets if necessary*).

The amount of water is needed for irrigation, primarily for vineyards with minor landscaping, and for agricultural production, operations and maintenance of agricultural production facilities and equipment. Water waste will be minimized through use of computer and timer controls on irrigation events and duration of irrigation based on climatic data. Drip and sprinkler irrigation systems will be used. Water use will be measured by a totalizing flow meter installed at the new water supply well. Through computer/timer/climatic control of water use, potential for discharge of contaminated water to a surface stream, potential for damage to aquatic life and riparian habitat and potential for adverse impact to public uses of affected surface waters is extremely low.

SECTION 7: PROJECT SCHEDULE

- a) Date construction will begin: 12/01/2018 (Well, water distribution pipelines, cistern)
- b) Date construction will be completed: 04/01/2019
- c) Date beneficial water use will begin: 04/01/2019

SECTION 8: RESOURCE PROTECTION