

Application for a Permit to Use Groundwater



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
503.986.0900
www.oregon.gov/OWRD

SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant

NAME TERRY LONG		PHONE (HM) (503) 443-4401	
PHONE (WK)	CELL		FAX
ADDRESS PO BOX 145			
CITY MITCHELL	STATE OR	ZIP 97750	E-MAIL* CANYONRANCHING@YAHOO.COM

Organization

NAME		PHONE		FAX
ADDRESS				CELL
CITY	STATE	ZIP	E-MAIL*	

Agent – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT / BUSINESS NAME JIM NEWTON/CASCADE GEOENGINEERING, LLC		PHONE (360) 907-4162		FAX ---
ADDRESS 21145 SCOTTSDALE DR				CELL
CITY BEND	STATE OR	ZIP 97701	E-MAIL* NEWTONJIM@HOTMAIL.COM	

Note: Attach multiple copies as needed

* By providing an e-mail address, consent is given to receive all correspondence from the Department electronically. (Paper copies of the proposed and final order documents will also be mailed.)

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application.
- I cannot use water legally until the Water Resources Department issues a permit.
- Oregon law requires that a permit be issued before beginning construction of any proposed well, unless the use is exempt. Acceptance of this application does not guarantee a permit will be issued.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land-use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water-right holders to get water to which they are entitled.



I (we) affirm that the information contained in this application is true and accurate.


Applicant Signature

Terry Long
Print Name and Title if applicable

5/17/21
Date

Applicant Signature

Print Name and Title if applicable

Date

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.
- 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.

The Long Reservoir is located in township 11 south, range 20 east, section 9, W.M., tax lot 200. This groundwater application proposes to install up to 4 wells to provide pumped water to Long Reservoir to storage. The four proposed wells are located below:

- Well 1 is located in township 11 south, range 20 east, section 10, W.M. tax lot 200.
 - 750 feet west and 625 feet north from the southeast corner of section 10.
- Well 2 is located in township 11 south, range 20 east, section 15, W.M. tax lot 200.
 - 2430 feet west and 1900 feet south from the northeast corner of section 15.
- Well 3 is located in township 11 south, range 20 east, section 15, W.W. tax lot 500.
 - 1260 feet west and 2715 feet south from the northeast corner of section 15.
- Well 4 is located in township 11 south, range 20 east, section 22, W.M. tax lot 2800.
 - 600 feet east and 1040 feet south from the northwest corner of section 22.

Conveyance from each well to Long Reservoir is described below:

- Well 1 will convey water from the well directly west through township 11 south, range 20 east, section 10 and continue to section 9 where Long Reservoir resides.
- Well 2 will convey water from the well northwest across section 15, crossing section 10 and continue westward to section 9 where Long Reservoir resides.
- Well 3 will convey water from the well northwest across section 15, crossing section 10 and continue westward to section 9 where Long Reservoir resides.
- Well 4 will convey water from the well northwest across section 22, crossing section 15 and section 16 and continue northwest to section 9 where Long Reservoir resides.

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
WELL 1	BEAR CREEK	6,500 FT	Approximately 200'
WELL 2	BEAR CREEK	6,100 FT	Approximately 250'
WELL 3	BEAR CREEK	7,500 FT	Approximately 350'
WELL 4	BEAR CREEK	6,200 FT	Approximately 350'

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*).

Wells 1 and 2, based on geologic mapping available from Oregon Department of Geology and Mineral Industries, will likely be completed in alluvium, whereas Wells 3 and 4 are likely to be completed in a weathered basalt or a sequence of weathered basalt and claystone.

The total annual duty from the combined well pumping of all 4 proposed wells would not exceed 97 acre-feet annually, and the combined rate of all wells would not exceed 400 gallons per minute-meaning, if each well has a capacity of 100-gpm, all 4 wells may operate simultaneously. However, if each well has a pumping capacity of 400 gpm, only one well would operate at a given time.

SECTION 3: WELL DEVELOPMENT, continued

Total maximum rate requested: 97 AC FT/YR (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.

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)
WELL 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	8"	0'-600'	400'-600'	UP TO 100'	N/A	ALLUVIUM	400-600'	400	97
WELL 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	8"	0'-600'	400'-600'	UP TO 100'	N/A	ALLUVIUM	400-600'	400	97
WELL 3	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	8"	0'-800'	400'-800'	UP TO 100'	N/A	BASALT/BEDROCK	400-800'	400	97
WELL 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	8"	0'-800'	400'-800'	UP TO 100'	N/A	BASALT/BEDROCK	400-800'	400	97
	<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.

SECTION 4: SENSITIVE, THREATENED OR ENDANGERED FISH SPECIES PUBLIC INTEREST INFORMATION

This information must be provided for your application to be accepted as complete. The Water Resources Department will determine whether the proposed use will impair or be detrimental to the public interest with regard to sensitive, threatened or endangered fish species if your proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters.

To answer the following questions, use the map provided in [Attachment 3](#) or the link below to determine whether the proposed point of appropriation (POA) is located in an area where the Upper Columbia, the Lower Columbia, and/or the Statewide public interest rules apply.

For more detailed information, click on the following link and enter the TRSQQ or the Lat/Long of a POA and click on "Submit" to retrieve a report that will show which section, if any, of the rules apply:

https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/

If you need help to determine in which area the proposed POA is located, please call the customer service desk at (503) 986-0801.

Upper Columbia - OAR 690-033-0115 thru -0130

Is the well or proposed well located in an area where the Upper Columbia Rules apply?

Yes No

If yes, you are notified that the Water Resources Department will consult with numerous federal, state, local and tribal governmental entities so it may determine whether the proposed use is consistent with the "Columbia River Basin Fish and Wildlife Program" adopted by the Northwest Power Planning Council in 1994 for the protection and recovery of listed fish species. The application may be denied, heavily conditioned, or if appropriate, mitigation for impacts may be needed to obtain approval for the proposed use.

If yes, and if the Department determines that proposed groundwater use has the potential for substantial interference with nearby surface waters:

- I understand that the permit, if issued, will not allow use during the time period April 15 to September 30, except as provided in OAR 690-033-0140.
- I understand that the Department of Environmental Quality will review my application to determine if the proposed use complies with existing state and federal water quality standards.
- I understand that I will install and maintain water use measurement and recording devices as required by the Water Resources Department, and comply with recording and reporting permit condition requirements.

Lower Columbia - OAR 690-033-0220 thru -0230

Is the well or proposed well located in an area where the Lower Columbia rules apply?

Yes No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine, by reviewing recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as

appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

If yes, you will be required to provide the following information, if applicable.

Yes No The proposed use is for more than **one** cubic foot per second (448.8 gpm) and is not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans).

If yes, provide a description of the measures to be taken to assure reasonably efficient water use:

Statewide - OAR 690-033-0330 thru -0340

Is the well or proposed well located in an area where the Statewide rules apply?

Yes No

If yes, and the proposed groundwater use is determined to have the potential for substantial interference with nearby surface waters you are notified that the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve “no loss of essential habitat of threatened and endangered (T&E) fish species,” or “no net loss of essential habitat of sensitive (S) fish species.” If conditions cannot be identified that meet the standards of no loss of essential T E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

SECTION 5: WATER USE

USE	PERIOD OF USE	ANNUAL VOLUME (ACRE-FEET)
Storage for Fish Life, Wildlife, Fire Protection, Recreation, and Irrigation	Year Round	97

For irrigation use only:

Please indicate the number of primary and supplemental acres to be irrigated (*must match map*).

Primary: up to 20 Acres Supplemental: up to 40 Acres

If you listed supplemental acres, list the Permit or Certificate number of the underlying primary water right(s):
certificates 88706 & 79987, T-8691

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 97 acre-feet, with up to 60 acre-feet for primary irrigation acreage; and, when/if primary water is not available up to 37 acre-feet to cover existing surface water rights (the offsetting balance of 97 acre-feet to accommodate both primary & supplemental).

- If the use is **municipal or quasi-municipal**, attach **Form M N/A**
- If the use is **domestic**, indicate the number of households: N/A (**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*): N/A

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): TBD, estimated to be up to 50 Hp submersible.
 Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water. Well water will be pumped from the proposed wells, conveyed by ditch, pipeline, or combination of both to the Long Reservoir (97 acre-feet per year) that has a combined capacity of 120 acre-feet, with 23 acre feet of storage authorized under permit R-13455.

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*)

N/A

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 requested is the amount to fill Long reservoir to its full 120 acre-foot capacity, additive to the existing 23 acre-feet and the additional maintenance permitted under T-8691, there is no additional loss of water anticipated.

SECTION 7: PROJECT SCHEDULE

- Date construction will begin: Summer 2021(or as soon as permit authorized)
- Date construction will be completed: Summer 2026
- Date beneficial water use will begin: Summer 2021

SECTION 8: RESOURCE PROTECTION

In granting permission to use water the state encourages, and in some instances requires, careful control of activities that may affect adjacent waterway or streamside area. See instruction guide for a list of possible permit requirements from other agencies. Please indicate any of the practices you plan to undertake to protect water resources.

- Water quality will be protected by preventing erosion and run-off of waste or chemical products.
 Describe: N/A – Irrigation is not a proposed use under this permit application.

- Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.
Note: If disturbed area is greater than one acre, applicant should contact the Oregon Department of Environmental Quality to determine if a 1200C permit is required.
Describe planned actions and additional permits required for project implementation: N/A – Diversion from surface water is not proposed
- Other state and federal permits or contracts required and to be obtained, if a water right permit is granted:
List: N/A

SECTION 9: WITHIN A DISTRICT

- Check here if the point of appropriation (POA) or place of use (POU) are located within or served by an irrigation or other water district.

Irrigation District Name	Address	
City	State	Zip

SECTION 10: REMARKS

Use this space to clarify any information you have provided in the application (*attach additional sheets if necessary*).

Dam Safety has classified the dam as low hazard and has reviewed and approved spillway modifications that will be implemented upon issuance of the permit. This application is related to the stored water application and is intended to be processed in conjunction with the stored water application.

Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

Please submit the original application and signatures to the Water Resources Department. Applicants are encouraged to keep a copy of the completed application.

- SECTION 1: Applicant Information and Signature
- SECTION 2: Property Ownership
- SECTION 3: Well Development
- SECTION 4: Sensitive, Threatened or Endangered Fish Species Public Interest Information
- SECTION 5: Water Use
- SECTION 6: Water Management
- SECTION 7: Project Schedule
- SECTION 8: Resource Protection
- SECTION 9: Within a District **Not Applicable**
- SECTION 10: Remarks

Include the following additional items:

- Land Use Information Form with approval and signature of local planning department (*must be an original*) or signed receipt.
- 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.
- Fees - Amount enclosed: \$ 3,260.00
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.
- Map that includes the following items:
 - Permanent quality and drawn in ink
 - Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
 - North Directional Symbol
 - Township, Range, Section, Quarter/Quarter, Tax Lots
 - Reference corner on map
 - Location of each diversion, by reference to a recognized public land survey corner (distances north/south and east/west)
 - Indicate the area of use by Quarter/Quarter and tax lot identified clearly.
 - TBD** – Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
 - TBD** – Specific locations of lands to be irrigated will be determined and included in the Secondary Use Application for irrigation use of stored water.
 - TBD** - Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)
TBD-location of ditch/pipeline from wells to reservoir will be determined at time of installation and testing of each well location to best match well output and routing to reservoir.

Receipt for Request for Land Use Information

Applicant name: Terry Long

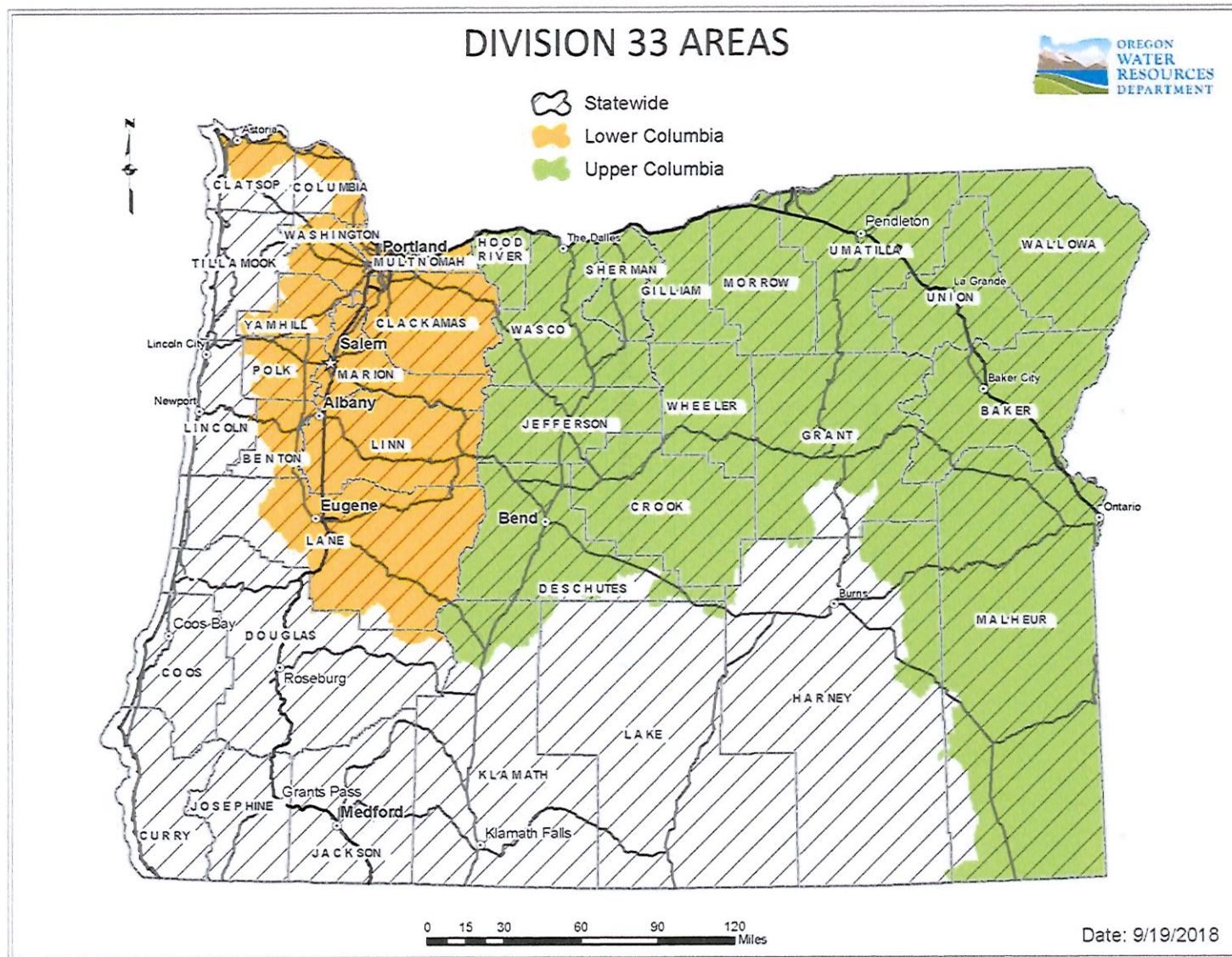
City or County: Wheeler County Staff contact: **Matt Davis**

Signature:  Phone: **541-763-2126** Date: **5/14/21**

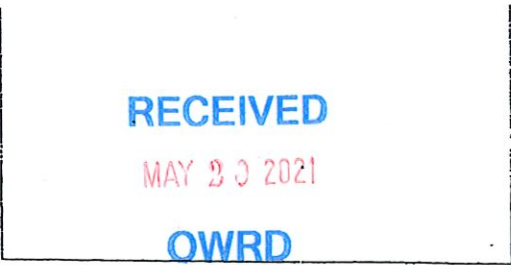
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Figure 1: Map of Division 33 Areas



For more detailed information, click on the following link and enter the TRSQQ or the Lat/Long of a POA and click on "Submit" to retrieve a report that will show which section, if any, of the Division 33 rules apply: https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/



Date Received (Date Stamp Here)

OWRD Over-the-Counter Submission Receipt

Applicant Name(s) & Address: Terry Long

P.O. Box 145 Mitchell, OR 97750

Transaction Type: WR Application

Fees Received: \$ 3260.00

Cash Check: Check No. 1310

Name(s) on Check: Cascade Geoenvironment LLC

Address on Check: 2145 Scottsdale Dr.
Bend, OR 97701

Thank you for your submission. Oregon Water Resources Department (Department) staff will review your submittal as soon as possible.

If your submission is determined to be complete, you will receive a receipt for the fees paid and an acknowledgement letter stating your submittal is complete.

If determined to be incomplete, your submission and the accompanying fees will be returned with an explanation of deficiencies that must be addressed in order for the submittal to be accepted.

If you have any questions, please feel free to contact the Department's Customer Service staff at 503-986-0801 or 503-986-0810.

Sincerely,
OWRD Customer Service Staff

Submission received by: C. Middleton
(Name of OWRD staff)

Instructions for OWRD staff:

- Complete this Submission Receipt, and make two (2) copies. Place one copy with the check/cash; and place the other copy with the submission (i.e., the application or other document).
- Date-stamp all pages. (NOTE: Do not stamp check.)
- Give this original Submission Receipt to the applicant.
- Record Submission Receipt information on the "RECEIVED OVER THE COUNTER" log sheet.
- Place the Submission Receipt with check/cash in the small top drawer (i.e., "Fiscal Pick Up Drawer"). Place the Submission Receipt with submission (application/other document) in the large bottom drawer.