

Application for a Managed Aquifer Recharge (MAR) Permit

Form No. ECY 070-663 (11-2022)

- Schedule a pre-application meeting before you apply.
- Refer to accompanying guidance to complete this form.
- Incomplete applications will be returned.
- All fees are non-refundable (RCW 90.03.470(13)).

Choose a processing option:

- Standard Processing (Department of Ecology).** A minimum \$50 fee is required to apply. Additional fees may apply.
- Cost Reimbursement Processing (Ecology approved contractor).** Contact Department of Ecology to obtain information on this option.

Submit all applications and fees to:

DEPARTMENT OF ECOLOGY
CASHIERING SECTION
PO BOX 47611
OLYMPIA, WA 98504-7611

Check the region/office where your project is located.

- Central Region
- Eastern Region
- Northwest Region
- Office of Columbia River (OCR)*
- Southwest Region



*** OCR has jurisdiction for designated OCR projects, and new projects located within one mile of the Columbia River.**

To request ADA accommodation including materials in a format for the visually impaired, call Ecology Water Resources Program at 360-407-6872. People with impaired hearing may call Washington Relay Service at 711. People with speech disability may call TTY at 877-833-6341.



WATER RESOURCES PROGRAM
Application for a Managed Aquifer Recharge Permit

For Ecology Use
(Date Stamp)

Date of pre-application consultation with Ecology:

Name of Ecology contact for pre-application:

Name of proposed Managed Aquifer Recharge project:

Water Resource Inventory Area (WRIA): [WRIA map look-up](#)

1. Applicant Information

Applicant/business name:	Phone no:	Other no:
Address:		
City:	State:	Zip:
Email address (if available):		

Contact name (if different from above):	Phone no:	Other no:
Relationship to applicant:		
Address:		
City:	State:	Zip:
Email address (if available):		

This application is used to apply for a new water right for the above-named MAR project. Fill in the boxes below in Sections 2 and 3. If any portion of the source water for this MAR project is covered under existing municipal water right(s), or claim(s), or will be supplied by reclaimed water, or by some other means, list the details in your responses to Section 4 (attach additional pages as needed). If an existing water right or claim, or reclaimed water will supply all of the source water, you can not use this form.

2. Purpose and Period(s) of Use

The purpose of use for this MAR water right application is limited to surface and groundwater augmentation via groundwater recharge. If you propose to obtain a water right for a different purpose of use, you will need to file form ECY 040-1-14. Provide the quantity (instantaneous and annual) and the period of use for each period or rate (if there are more than one, use multiple rows).

Purpose(s) of use	Rate (check one box only) <input type="checkbox"/> CFS <input type="checkbox"/> GPM	Acre-feet per period (AF)	Period of infiltration (continuous, or date range of infiltration)
Surface and/or groundwater augmentation: MAR			
Surface and/or groundwater augmentation: MAR			
Surface and/or groundwater augmentation: MAR			
Surface and/or groundwater augmentation: MAR			
Total:			AF/YR

3. Point(s) of Diversion or Withdrawal Location(s)

Use a separate application for each water source. Attach additional sheets if more than four points of diversion or withdrawal are proposed. Refer to the application guidance document for more information.

SOURCE NAME (reference by number below)	QTRQTR	QTR	SEC	TWP (N)	RGE _E _W	PARCEL NO.
1.						
2.						
3.						
4.						

Point(s) of Diversion (SURFACE WATER ONLY)

SPRING CREEK RIVER LAKE OTHER:

SOURCE (identified above)	TRIBUTARY TO:	GPS/LAT-LONG
1.		
2.		
3.		
4.		

Do you own the point(s) of diversion or withdrawal? Yes No

4. Related Water Rights (if applicable)

Prepare a report that addresses the elements in this section, and attach it to your application.

Section	Required information	Reference
4.1	List any other water rights (applications, permits, certificates, or claims) related to this application. Include any rights that overlap the place of use.	
4.2	Explain how the water rights listed above have been exercised.	
4.3	If Reclaimed water will supply any of the source water, identify all Reclaimed Water Permits issued by either the Department of Ecology or the Department of Health that will be used for this MAR project.	Chapter 173-219 WAC

5. Place of Use/Location of Spreading Basin(s) or Infiltration Facilities

Identify each proposed spreading basin or other infiltration facility to the nearest section QTRQTR or parcel number. Attach a map and outline the area to be infiltrated, if applicable.

Infiltration site(s) QTRQTR section	Parcel No.	SEC	TWP (N)	RNG <input type="checkbox"/> E <input type="checkbox"/> W	Infiltration Rate (cfs)	LAT	LONG

Horizontal Datum WGS84 NAD83 NAD27 other (describe)

Legal landowner of proposed place of use (if different than applicant)	Phone no:	Other no:
Address:		
City:	State:	Zip:
Email address (if available):		

Attach additional sheets as necessary.

If you don't own the property location for the infiltration method, have you secured permission from the owner(s)? yes no

If you are using an infiltration trench to recharge the aquifer using buried perforated pipes [see WAC 173-218-040(5)(a)(iii)] is your underground injection control well registered according to WAC 173-218-060? yes no

If yes, provide UIC Site ID#:

6. Facility Operation Details

Proposed storage aquifer name:

Number of acre-feet to be stored:

Maximum infiltration rate in cubic feet per second (cfs):

Months of the year that infiltration recharge will occur:

Months of the year during which additional groundwater baseflow discharge will occur (use attachment to document how you determined this):

Briefly describe any water treatment prior to infiltration (use attachment if necessary):

7. System Design and Operation

Section	Required information	Reference(s)
7.1	Provide a description of the proposed water supply system from the point of diversion or withdrawal to the proposed place of use.	
7.2	Provide preliminary design plans and specifications for the proposed use, including diversion and conveyance facilities, if applicable, and the proposed flow rate and volume design capacity.	
7.3	For surface water diversions , describe how your plans comply with WDFW fish screening requirements.	Chapter 77.57 RCW
7.4	Provide a general timeline that includes the steps needed to begin the project, complete the project, and put the water to full beneficial use.	
7.5	Identify and discuss other land-use or environmental permits required and the timeline to obtain those permits.	

8. Maps and Other Documentation

We strongly recommend that applicants consult with Ecology in a pre-application meeting prior to conducting any hydrogeological work (Sections 8.2 or 8.3), to determine the scope of data required for processing this application.

The following minimum requirements must be provided with your application. Attach a report(s), and refer to the section number in your responses.

Section	Required information	Reference(s)
8.1	<p>A map showing:</p> <ul style="list-style-type: none"> • Location of proposed managed aquifer recharge project • Any associated existing points of diversion or withdrawal • Estimated area where water will be infiltrated within the storage aquifer • Well monitoring network locations • Nearby hazards • A grid layer referencing Section, Township, and Range of the area. 	RCW 90.03.260(7)
8.2	<p>If a feasibility study has been conducted, provide the following:</p> <ul style="list-style-type: none"> • The site characterization • Aquifer characteristics • Anticipated infiltration rate • The chemical compatibility of the source water and native groundwater • The available aquifer capacity demonstrating that infiltration of water can occur without creating overflows to the surface • An estimate of the groundwater baseflow timing and location(s) of discharge <p>If a feasibility study hasn't been conducted, these types of information will be needed by our technical staff before they can evaluate this MAR permit application. Describe how you will obtain this information.</p>	RCW 90.03.260(7)
8.3	<p>A copy of the feasibility study conducted to determine whether this proposed MAR project, when operational, will be protective of groundwater and surface water quality.</p> <p>A Quality Assurance Project Plan (QAPP) to demonstrate to Ecology's Water Quality Program that surface and ground waters of the state will not be degraded by this MAR project. Ecology's Water Quality Program has developed such a QAPP for grant applicants to use when applying for MAR project funding from the Streamflow Restoration Grant Program under RCW 90.94.</p> <p>The QAPP can be found at: https://apps.ecology.wa.gov/publications/documents/1910050.pdf</p> <p>For projects <u>not</u> using a new surface water right as the source for the MAR facility, applicants are <u>strongly urged</u> to discuss the project with Water Resources staff before developing any QAPPs.</p>	RCW 90.03.260(7)
8.4	A copy of the legal description of property where the MAR project is located (taken from a real estate contract, property deed, or title insurance policy).	
8.5	If platted property, a complete copy of the plat map.	
8.6	The site address and detailed driving instructions to the project site.	

9. Environmental Assessment

Attach a report(s), and refer to the section number in your responses.

Section	Required information	Reference(s)
9.1	Describe the aquatic uses of any related surface water bodies (i.e., fish and wildlife, recreation and aesthetic, water quality, etc.).	RCW 90.54.020
9.2	Indicate whether the related surface water is fish-bearing, including whether it is inhabited by salmonids. List species and the times of year they are present. Refer to Salmonscape at https://apps.wdfw.wa.gov/salmonscape/	RCW 90.54.020

Section	Required information	Reference(s)
9.3	A copy of SEPA Threshold Determination.	RCW 43.21C WAC 173-802

10. Signatures

By signing below, the applicant certifies that the information provided on this application is true and accurate to the best of their knowledge. If the applicant was assisted in preparing this application, they understand that they are responsible for the accuracy of the information.

The applicant also understands that, in order to process this application, they are granting staff from the Department of Ecology access to the above site(s) for inspection and monitoring purposes.

Applicant Printed Name – Title	Applicant Signature	(Date: MM/DD/YYYY)
Landowner of Proposed Managed Aquifer Recharge Project Printed Name	Landowner of Proposed Managed Aquifer Recharge Project Signature	(Date: MM/DD/YYYY)
Authorized Representative Printed Name	Authorized Representative Signature	(Date: MM/DD/YYYY)

For additional information, contact the Ecology office where your project is located:

Region/ Office	Counties served	Mailing Address	Phone
Central	Benton, Chelan, Douglas, Kittitas, Klickitat, Okanogan, Yakima	1250 W Alder St Union Gap, WA 98903	509-575-2490
Eastern	Adams, Asotin, Columbia, Ferry, Franklin, Garfield, Grant, Lincoln, Pend Oreille, Spokane, Stevens, Walla Walla, Whitman	4601 N Monroe Spokane, WA 99205	509-329-3400
Northwest	Island, King, Kitsap, San Juan, Skagit, Snohomish, Whatcom	PO Box 330316 Shoreline, WA 98133	206-594-0000
Office of Columbia River	OCR has jurisdiction for designated OCR projects, and new projects located within one mile of the Columbia River.	1250 W Alder St Union Gap, WA 98903	509-457-7141
Southwest	Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Lewis, Mason, Pacific, Pierce, Thurston, Skamania, Wahkiakum	PO Box 47775 Olympia, WA 98504	360-407-6300