

Bates, Luke

From: Ohio Match Water District <ohiomatchwater@gmail.com>
Sent: Thursday, January 13, 2022 8:05 AM
To: Bates, Luke
Cc: Bob Haynes
Subject: Conservation Plan OMWD Permit #95-17969
Attachments: Conservation Document.pdf

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JAN 13 2022

IDWR / NORTH

Hello Luke

I have attached the conservation document that you have requested from Ohio Match Road Water District to complete the Water Rights Permit. #95-17969.

Please let me know if there is anything else that you need.

Thank You

Kris Mazzuca

--
Ohio Match Road Water District
P.O. Box 523
Hayden, ID. 83835

(208) 610-6918
ohiomatchwater@gmail.com

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THE OHIO MATCH ROAD WATER DISTRICT CONSERVATION PLAN REVISED AND UPDATED JANUARY 6, 2022

SUMMARY

The water conservation plan is managed by Ohio Match Road Water District (OMWD).

The District will be proactive in efforts to educate and encourage users to utilize water conservation methods such as xeriscaping, buffer zoning and smart usage. Part of this plan is to foster water conservation for all users. Working together to practice easy conservation techniques is an important step toward protecting our water resources now and into the future.

OMWD encourages ground water protection by educating and informing users about proper disposal of toxic and chemical waste that could affect water systems.

OMWD monitors water usage to identify and address potential leaks within the system.

Individual meters are monitored during high-use months, and members are charged for water usage over the base amount.

METHODS TO ENCOURAGE WATER CONSERVATION:

These guidelines will continue to be promoted and expanded within the District via social media, direct mail and newsletters.

- **Xeriscaping**

Xeriscaping is a landscaping method that utilizes water-saving plants and landscapes that save money, time, and effort.

Appropriate xeriscape plant suggestions and landscape designs can be found online at local nurseries, through the Kootenai County Extension office, and in consultation with specialty landscape designers.

- **Plant drought resistant trees and plants.**

Some species of trees and plants thrive with far less watering than other species. Using native trees and shrubs can be a water-wise, cost-effective, and successful addition to landscaping.

As climate changes our precipitation expectations, the District will encourage members to plant and replant with drought-tolerant, fire resistant species.

- **Fire Buffer Zones.**

Fire can harm natural and manmade watersheds and strip land of shade-providing species that help landscapes retain water.

Use gravel, rock, and other inorganic materials to reduce lawn area and create a fire buffer zone that protects your landscape and your home from fire. This will also reduce water use.

Choose fire-resistant tree species near homes and outbuildings.

- **Limit the lawn area.**

Encourage more land to be left natural but discourage invasive species. See Kootenai County Extension for more information.

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Less lawn area generally requires less water usage.

Amend soils with organic material.

Create shade areas to promote cooler soil.

- Understand your irrigation system

- Water at appropriate times of the day. 4 a.m. to 8 a.m. is the best, and the peak water consumption hours (4 p.m. to 9 p.m.) should be avoided.
- Avoid watering during midday hours when it is hot and sunny to prevent scalding
- Watering at night is not recommended because the lawn stays wet for a long period of time which can promote diseases and affect the health of your lawn.
- Avoid watering during rainy or windy weather conditions.

Avoid overwatering

Locate the time clock and learn how to set it

Know where the shut-off valve is in case of an emergency

Be sure your irrigation system is designed correctly and provides "head-to-head"

coverage Establish drip and root level irrigation for gardens and trees

- Lawns (Always adjust these guidelines to current weather conditions)

New lawns: irrigate twice a day for the first week, once a day for the next two weeks, and then every other day for the next two weeks

Established lawns: irrigate once every 2-3 days during the summer. In the fall water once every 4-5 days.

Set sprinkler run time to apply a .7 - 1 inch of water each irrigation time. Irrigate in the early morning hours before sunrise

Mow high so that grass blades shade the roots and help the soil stay cooler

- Understand how weather affects your lawn

High temperatures and low humidity will cause your lawn to use more water. Wind will also increase water loss.

Adjust your irrigation system seasonally according to the weather. Do not water during winter months or rainy weather.

- Learn your soil type

Sandy soils do not hold water as well as clay soils and may require more water to keep lawns healthy. Consider soil amendments to promote healthy growth and reduce watering. Compost and organic amendments are ideal.

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- Trees and shrubs

Trees and shrubs have a much deeper root system than your lawn. They should be watered deeply, no more than once a week.

- Fertilization

Fertilizer should be applied in the spring and fall only.

Consider supplementing grass seed with clover species that provide natural nitrogen. Clover can be mowed like grass.

- Noticeable run-off may be corrected by the following suggestions:

Pre-wet your lawn with a short cycle of 5-10 minutes, wait 15-30 minutes, then run sprinklers again for an additional 20-30 minutes.

Heavy soil will benefit from the addition of organic matter. A light application of organic fertilizer should be applied after aeration. Aerate soil twice a year.

The most common causes of thatch build-up are over-fertilization and mowing too short.

Consider changing the area to something that can be drip-irrigated (shrubs or trees) or landscape with inorganic material.

CURRENT CONSERVATION PRACTICES:

- Customers are charged fees that pay for the operation, maintenance, and depreciation of the water system.
- Each hookup is metered, with overage charges in place. This encourages users to monitor and amend water usage in the hot months.
- Discovered and reported leaks are addressed promptly.
- Residents are encouraged to follow the water conservation guidelines and suggestions. The OMWD communicates regularly regarding District business and provides information about DEQ requirements and tips for proper water usage and groundwater protection, including appropriate disposal sites and methods.
- All residents are required to report inspection of irrigation systems and other potential back-flow issues annually.
- OMWD has a contracted professional water operator, Integrity Water Management, which has undertaken the ongoing tasks of finding and fixing problems within the water system. In addition, the district has completed a facility study with Welch-Corner to determine measures needed for current and future usage. This has created increased awareness and involvement in water conservation within the district.

Governor Brad Little

Director Gary Spackman

November 17, 2021

OHIO MATCH ROAD WATER DISTRICT
PO BOX 523
HAYDEN LAKE ID 83835-0523

RE: Water Right Permit No. 95-17969

Dear Permit Holder(s):

The Idaho Department of Water Resources (Department) is in the final stages of issuing Ohio Match Water District a license for water right 95-17969. The location of the water right falls within the jurisdiction of the Rathdrum Prairie Ground Water Management Area and is subject to the Departments 2005 final order adopting a ground water management plan. Section 3.5.1 of the management plan requires a conservation plan for all new water rights or changes to existing water rights held by municipal purveyors whose systems are regulated as public water supply systems.

Each plan may include the elements as listed in guidelines published by EPA ("Water Conservation Plan Guidelines", Environmental Protection Agency, 1998). These guidelines are primarily designed for public water supply systems. However, any water user can follow the steps described in the guidelines to evaluate the existing conditions and systems, identify and evaluate opportunities for conservation measures and develop strategies and timetables to meet defined, measurable goals.

The conservation plan may include the following components:

- Measurable conservation planning goals
- Summary of existing system characteristics and water use conditions
 - Water system profile
 - Description of planning facilities
- Current and future conservation opportunities
 - Identification of water conservation measures
 - Analysis of benefits and costs
- Select water conservation measures
- Implementation mechanisms, timetable and assessment strategy

Prior to the issuance of the above said license, please submit a copy of your current water conservation plan. If one has not been developed, **please do so within the next 60 days** so as not to delay finalization of this water right license.

If you have any questions, please call me at (208) 762-2817.

Sincerely,



Luke Bates
Water Resource Agent
Luke.bates@idwr.idaho.gov

E-cc Robert Haynes at bob@idahogroundwaterengineering.com

Bates, Luke

From: Ian Kuchenski <ian@integritywater.net>
Sent: Tuesday, October 12, 2021 7:50 PM
To: Bates, Luke
Subject: RE: IDWR - Permit 95-17969

Hi Luke,

Here is the Ohio Match data you requested-

1. Annual volume report that reflects 01 March 2020 – 31 March 2021
-15,473,000 gallons
2. Monthly volume report that reflects 28 January 2021 – 24 March 2021
-773,000 gallons

Let me know if you have any questions!

Ian Kuchenski
Integrity Water Management
Phone: (208) 659-8173

From: [Bates, Luke](#)
Sent: Wednesday, September 29, 2021 7:03 AM
To: [Ian Kuchenski](#)
Subject: IDWR - Permit 95-17969

Good morning Ian,

Thank you for meeting with me yesterday to complete the field exam for Ohio Match Rd Water District.

Follow up information IDWR is requesting to help finalize this permit for licensing:

3. Annual volume report that reflects 01 March 2020 – 31 March 2021
4. Monthly volume report that reflects 28 January 2021 – 24 March 2021

I am certain the current annual volume utilized by the applicant is less than their existing water right authorizes, but this municipal use permit requires a volume when licensing. The two reports above will enable me to identify the best way to move forward with licensing.

Thank you,



Luke Bates | Water Resource Agent
Idaho Department of Water Resources
Northern Regional Office
7600 N Mineral Drive, Suite 100
Coeur d'Alene, ID 83815-7763
Phone: (208) 762-2800