



Middle Niobrara NRD

303 E HWY 20
Valentine, Nebraska 69201
Phone: 402-376-3241
www.mnnrd.org

Application For New High-Capacity Use

Large Water User Application (>300 AF Annually)

Non-Refundable Application Fee - \$1,000

Name: _____

Address: _____ State: _____ Zip: _____

Phone Number: _____

Legal Location of Proposed Well:

_____ $\frac{1}{4}$ Sec. _____ Twnshp: _____ Range: _____ County: _____

New Well or Modifying Existing Well to Pump >50 GPM (Check Box)

New Well: _____ Existing Well: _____ G-# of Existing Well: _____

Detailed Description of Proposed Use:

Consumptive or Nonconsumptive Use (Check Box):

Consumptive: _____ Nonconsumptive: _____

Maximum Daily Rate of Withdrawal:

Gallons: _____ Acre Feet (AF): _____

Maximum Annual Rate of Withdrawal:

Gallons: _____ Acre Feet (AF): _____

Average Rate of Annual Withdrawal:

Gallons: _____ Acre Feet (AF): _____

Explanation of how the withdrawal rates were calculated:

The initial application will serve as Draft that will be submitted to the Water Committee for their review. The Water Committee will work with the applicant to finalize any requested details, further explanations, requirements, and to address any issues that may arise. After both parties agree the Draft application is complete, the third party contracted to complete the hydrological evaluation can begin. When completed, the entire application will be submitted to the full Board of Directors for their review and final decision.

Required Documents Checklist:

Application: _____

Application to Construct a Water Well: _____

Application Fee: _____

Map of Proposed Well Location: _____

Contact for Third Party Completing Hydrological Evaluation (Attached): _____

By signing this form, the landowner has received and read the Rules and Regulations and agrees to comply with all Rules and Regulations set forth by the MNNRD. Applicants bear all responsibility for compliance with any other local, state, or federal agency prior to, during, and after application.

Landowner's Signature: _____ **Date:** _____

For NRD Office Use Only

Date Received: _____ Application Fee Received: _____

Approved: _____ **Denied:** _____

MNNRD Staff Signature: _____

If application was approved with conditions, list them below or attach them to the application

Large Water User Application – Hydrological Evaluation

Application will also include a Hydrological evaluation completed by a licensed third party at the cost of the applicant.

Checklist for the Hydrological Evaluation:

Applicants will provide the name and contact info of the third party and the estimated cost to aid in the production of the final report.

- 1.** Detailed inventory of all groundwater wells and surface water appropriations within 3 miles of the proposed location.
 - a.** Visual survey of all lands within the 3-mile boundary that may contain an unregistered domestic or livestock well(s). If an unregistered well is found, the owner of the well must be identified and any known properties of the well listed in the evaluation.
- 2.** Detailed delineation of the underlying aquifer and its qualities the well(s) will be pumping from.
- 3.** Yearly and 20-year impact studies of the groundwater withdrawal.
- 4.** Detailed contingency plan in the event of negative impact on the areas water resources.
- 5.** Any test hole logs or any information on water availability exploration.
- 6.** Any other pertinent information that the water committee may request after review of the initial submitted draft.

Additional Requirements:

- 1.** Installation and maintenance of an MNNRD-approved flow meter on the well or wells that will be used for withdrawal and/or use.
- 2.** Submission of an annual report to the MNNRD, by March 1 of each year, containing the total volume of water pumped and total volume of ground water consumptively used in the preceding year.
- 3.** In approving the application, the District may require the applicant to construct monitoring/observation wells for use by the District staff to evaluate water quality or quantity.

4. The District will establish a baseline volume of usage, if after the first five years the usage is higher than it was represented on the application, an offset will be required.

Common Water Use Measurements & Standards

Total Gallons In:

Acre Inch: 27,154 gallons

Acre Foot: 325,848 gallons

100 AF: 32,584,800 gallons

200 AF: 65,169,600 gallons

300 AF: 97,754,400 gallons

Minutes in a (GPM x ____):

1 Hour: 60 minutes

1 Day: 1,440 minutes

1 Month: 43,800 minutes

1 Year: 525,600 minutes

Conservation for the Next Generation!



*Nebraska's NRDs, Protecting Lives*Protecting Property*Protecting the Future!*