

INSTRUCTIONS FOR COMPLETING THE HIGH CAPACITY WELL PUMPAGE REPORTING FORM

Owner and Operator Information:

Both the well owner and operator names and contact information should be complete. Complete any known information that isn't pre-filled on the form or strike incorrect information and make corrections as necessary.

Well Information:

Either the latitude and longitude coordinates or the Public Land Survey System location information of the well should be complete. The site well # and common well name are for your use to describe your well.

Pumpage Information:

Method used to estimate or measure pumpage:

Enter the corresponding code for the method used for this well. Methods are listed below.

Water Use:

This is the corresponding code for the water usage from this well. Water uses are listed below. If the well is used for more than one purpose, use the water use code that represents the primary purpose of the well. For example, a golf course that has a single well for both irrigation and for potable uses in the clubhouse probably would use most of the water from the well for irrigation, which is REC01.

Gallons Pumped:

Record the pumpage by taking a reading at the beginning of each month and subtracting the previous months reading. For a flow meter, the result is the gallons pumped or withdrawn for the last month. For an hour meter, multiply the result by the calibrated pumping rate of the pump (in gallons per minute) and then multiply by 60 to obtain the gallons pumped for the month.

Report pumpage in whole gallon units only. If you do not pump or withdraw water in any given month (the current meter reading is the same as the previous month's reading), enter a zero for the month.

Sign and date the form when pumpage is complete for the calendar year. Fold the report, seal and submit to:

**Wisconsin Department of Natural Resources
Private Water Section
PO Box 7921
Madison, WI 53707**

Methods used to estimate or measure pumpage:

For wells that pump at a capacity of less than 70 gallons per minute or flowing wells that flow at less than 70 gallons per minute:

- LFM Measured with a totalizing flow meter.
- LHM Pump operation is timed with an hour meter and the pumping capacity is used to calculate total pumpage.
- LER Estimate based on the number of water users for residential purposes (2,000 gallons per person per month).
- LED Estimate for dairy and animal husbandry based on the number of animals served (see list below for animal types).
- LERD Estimate for both animal husbandry and residential use based on number of persons and animals served.
- LEO Estimate for farm shop wells, maintenance buildings, etc. (20 gallons per person per day).
- LEW Estimate for office settings or other work settings where the water is solely used for domestic and sanitary purposes (20 gallons per person per day).
- LEC Estimate for campgrounds (10 gallons per day per person if no showers or laundry, otherwise 35 gallons per person per day).
- LEP Estimate for hand or wind powered pumps (1,000 gallons per month).
- LET Estimate for flowing wells based on time to fill a container of known volume.
- LEF Estimate for flowing wells based on flow over a weir or other method described in Appendix 16 of *Groundwater and Wells*, 1986.
- LOTH Alternative method that has been approved by the department. Describe.

For wells that pump at a capacity of 70 or more gallons per minute or flow at a rate of over 70 gallons per minute:

- HFM Measured with a totalizing flow meter.
- HHM Pump operation is timed with an hour meter and the pumping capacity is used to calculate total pumpage.
- HOTH Alternative method that has been approved by the department. Describe.

Note: For wells that have a capacity of less than 70 gallons per minute that are used for animal husbandry, you may use an estimate of the gallons per month based on the number of animals: dairy cattle, 1,800 gallons per month; beef cattle, 750 gallons per month; horses, 350 gallons per month; hogs, ostriches and emus, 100 gallons per month; sheep, goats, llamas, alpacas, 60 gallons per month; turkeys, 6 gallons per month; and chickens, 3 gallons per month.

Water Uses:

Public Water Supplies Defined and Regulated under Chapters NR 809 and NR 811, Wisc. Adm. Code

- PUB01 Public / municipal water system [defined in NR 811.02(20)]
- PUB02 Public / community water system that is an other-than-municipal water system [defined in NR 811.02(23)]
- PUB03 Public / non-transient non-community water system that is not a school (water system serves 25 or more of the same people at least six months of the year for potable uses, for example a factory) [defined in NR 809.04(48)]
- PUB04 Public / transient water system (water system serves 25 or more people at least 60 days of the year for potable uses and is not a non-transient non-community system, for example a restaurant or church) [defined in NR 809.04(78)]
- PUB05 Public / school, potable use (limited to K-12 or portion thereof only, 25 or more persons) [defined in NR 812.07(94)]. Use non-transient non-community for public water supplies for other educational institutions that are not K-12. The school definition does not include irrigation for recreation fields.

Residential Domestic

- PRI01 Private / single residence domestic use (single residence, single home, single condominium unit, etc.)
- PRI02 Private / multiple residential domestic use (shared wells for multiple homes, condominium with less than 10 units, apartment building with less than 10 apartments, less than 7 houses, etc.)
- PRI03 Private / school potable use (less than 25 persons served, K-12 or portion thereof only) [defined in NR 812.07(94)]. Does not include irrigation wells for recreation fields.

Industrial / Commercial / Electric Power Production

- IND01 Manufacturing of paper or forestry products
- IND02 Manufacturing of chemical products, excluding food products and excluding fuels
- IND03 Manufacturing of food products, excluding beverages and excluding dairy products
- IND04 Manufacturing of beverages, excluding dairy products and excluding bottled water
- IND05 Manufacturing of dairy products
- IND06 Water bottling
- IND07 Manufacturing of fuel products other than production of bio-fuels
- IND08 Manufacturing of bio-fuels
- IND09 Manufacturing, excluding paper or forest products, chemical products, food products or fuel products
- IND20 Service industries – motor vehicle cleaning, including car washes
- IND21 Service industries – washing of fabric products, including laundromats
- IND22 Service industries – washing of products other than fabrics, motor vehicles or mineral products
- IND30 Electric power production – fossil fuel energy sources
- IND31 Electric power production – nuclear energy sources
- IND32 Electric power production – hydroelectric
- IND33 Electric power production – renewable sources such as solar, electricity generated with bio-fuels
- IND40 Mines, quarries and sand & gravel, includes quarry dewatering and process water for processing plants
- IND41 Construction dewatering of a duration of less than one year
- IND42 Construction dewatering of a duration of one or more years
- IND43 Construction, other than dewatering, includes concrete production, water for dust suppression, etc.
- IND50 Well drilling water supply
- IND99 Other industrial or commercial use, specify.

Recreation

- REC01 Golf course irrigation, including storage ponds for irrigation water
- REC02 Winter sports, including snow making
- REC03 Irrigation of public recreation fields and parks, including school sports fields and athletic fields
- REC04 Wells used for potable use at recreational facilities that are not regulated under NR 809, NR 811 or NR 812 (above) as a public water supply, such as a campground well that serves less than 25 persons or is used less than 60 days per year
- REC99 Other recreational use, specify.

Agriculture / Irrigation / Aquaculture / Forestry and Other Natural Resource Ventures Excluding Recreation Uses

- AGR01 Agricultural irrigation and orchard irrigation, other than cranberries
- AGR02 Cranberry irrigation and harvesting
- AGR03 Aquaculture (fish farms and fish hatcheries)
- AGR04 Forestry and tree farm irrigation, excluding orchards
- AGR05 Horticulture including greenhouses and sod farms, excluding forestry and excluding agricultural irrigation
- AGR06 Dairy farming (includes all water uses on dairy farms excluding irrigation and residential domestic uses)
- AGR07 Non-dairy animal husbandry (includes all water uses excluding irrigation and residential domestic uses)
- AGR99 Other agricultural or natural resource use (includes farm maintenance buildings, etc.) specify.

Fire Protection and Other

- FIR01 Fire protection, well or system operated by government
- FIR02 Fire protection, well or system operated by private entity
- OTH01 Lawn watering and landscaping on private or public property, including cemeteries, excludes parks, sports fields and athletic fields
- OTH02 Aesthetic ponds or to supplement lake levels, other than storage ponds for irrigation or fire protection water
- OTH03 Discharge from flowing wells where the discharge is not used for other purposes
- OTH04 Groundwater remediation or gradient control for control of contaminant plumes
- OTH05 Geo-thermal systems used for building heating, ventilation and air conditioning (HVAC) systems
- OTH06 Wastewater treatment plants (defined in NR 114)
- OTH07 Building drainage systems to prevent water influx into building basements or foundations
- OTH98 Other well approved at 70 or more gallons per minute, specify water use.
- OTH99 Other well approved at less than 70 gallons per minute, specify water use.