

## APPLICATION FOR APPROVAL FOR A HIGH CAPACITY WELL SYSTEM, SCHOOL WELLS AND WASTEWATER TREATMENT PLANT WELLS

In accordance with Sections NR 812.09(4)(a) & (b), Wisconsin Administrative Code, prior department approval is necessary for the construction, reconstruction, or operation of a high capacity well system, school well or wastewater treatment plant well. Prior approval is also necessary before a high capacity well or well system can be operated after a change of ownership.

Section NR 812.07(53), Wisconsin Administrative Code defines a high capacity well system as one or more wells, drillholes or mine shafts used or to be used to withdraw water for any purpose on one property, if the total pumping or flowing capacity of all wells, drillholes or mine shafts on one property is 70 or more gallons per minute based on the pump curve at the lowest system pressure setting, or based on the flow rate.

An application for a high capacity well system, well for a school or well for a wastewater treatment plant should be made on the appropriate form, as follows:

- Form Number 3300-256. This form is used for most high capacity wells. If you are seeking approval for a school well or a well for a wastewater treatment plant, use this form.
- Form Number 3300-257. This form is a streamlined form for certain types of proposed wells that have a capacity of less than 70 gallons per minute on a high capacity property.
- Form Number 3300-258. This form is specific to temporary construction dewatering projects of short duration. There also is a separate guidance document available for preparation of this form.

The above listed forms are available on the internet at: <http://www.dnr.state.wi.us/org/water/dwg/index.htm>. You can download the form and print it from your computer. In some situations, better quality copies of the form will be obtained if the following instructions are followed for printing from your computer system:

- Adobe Reader Version 4. Click on “File” and click on “Print,” then uncheck the box that is labeled “Fit to page.” Then, click on “OK” to print.
- Adobe Reader Version 5. Click on “File” and click on “Print,” then uncheck the box that is labeled “Shrink oversized pages to paper size.” Then, click on “OK” to print.

The above listed forms include blank graph paper for the applicant to use for sketch maps and diagrams. Some computer configurations may not be able to print the graph paper due to memory limitations. Other paper (graph, lined, blank, etc.) can be used for sketch maps and diagrams instead of the graph paper that is provided.

If you do not have a computer and access to the internet to obtain a copy of a form, you can request a paper copy of the pertinent form at (608) 266-0821. Paper copies of the forms can also be requested by fax by faxing a request to the Private Water Systems Section at (608) 267-7650 or by mail to the Private Water Systems Section, WDNR DG/2, P.O. Box 7921, Madison WI 53707-7921. Paper copies of the requested form will be mailed to the requester the next business day.

If you have any questions regarding the preparation of a **complete** high capacity water supply proposal, you can contact any of the department staff listed below.

Mark Putra, R.S., Section Chief	(608) 267-7649
Robert W. Schaefer, P.E.	(608) 266-3415
George Mickelson, P.E., P.G.	(608) 267-7652
Bill Furbish	(608) 266-9264

Additional important information about the approval process for high capacity wells, school wells and wastewater treatment plant wells, as follows:

- There are different well construction requirements for high capacity wells than for low capacity wells. Refer to Chapter NR 812, Wisconsin Administrative Code.
- All wells on a high capacity property are defined as high capacity wells. If you wish to construct a well with a capacity of less than 70 gallons per minute to construction standards for low capacity wells on a high capacity property, you will need to request a variance. Also, the property owner will have to sign the application. See Section NR 812.43, Wisconsin Administrative Code.
- If the application is for a school, Chapter NR 812 Wisconsin Administrative Code has more stringent setback and construction requirements for school wells, such as at least 200 feet from any soil absorption field and 250 feet if the soil absorption field has an operating capacity greater than or equal to 8,000 gallons per day. School water supply well applications should include an estimate of the number of students and staff.
- If the application is for a wastewater treatment plant, Chapter NR 812 Wisconsin Administrative Code has more stringent casing depth requirements for certain types of wastewater treatment plants.
- Most applications can be submitted by the owner or an agent of the owner. The exception is that plans and specifications for a school well or wastewater treatment plant well shall be submitted by a registered professional engineer or well driller for wells, and by a registered professional engineer or pump installer for pumps. See NR 812.09(3) for more information.
- If you wish to use a pitless adapter or pitless unit for a school or potable high capacity well, specific approval must be obtained as part of the approval for the well. Only equipment currently in the Department's List of Approved Equipment can be used. There is a high probability that the department will require that the pitless adapter or pitless unit be pressure tested as a condition of the approval. Refer to Section NR 812.31(2)(c), Wisconsin Administrative Code for more information.
- The Department has the authority to set specific requirements for the design of high capacity wells to minimize the risk for groundwater contamination affecting the quality of the water that may be extracted by the well. See Section NR 812.09(4), Wisconsin Administrative Code.
- Wells that are located in or near the arsenic advisory area in the Fox River Valley will be evaluated on a case by case basis. There is a high probability that the Department will require additional well casing and restrict the use of air rotary drilling in this area. For more information about construction features in the arsenic advisory area or Town of Algoma Special Casing Area either contact your local Department Drinking Water Specialist or log on to <http://www.dnr.state.wi.us/org/water/dwg/arsenic/index.htm>.
- When more than one water source will serve a common plumbing system (system with more than one well or a system served by wells and municipal supply), the department will require check valves, backflow preventers and/or other components for backflow prevention. Such systems are reviewed on a case by case basis.
- If the proposed high capacity well system will be for a new nontransient noncommunity water system, a Capacity Evaluation Form (form number 3300-246) must also be submitted. A nontransient noncommunity water system is a system that will regularly serve at least 25 of the same people over 6 months of the year. This includes schools and may include several types of businesses.
- The department can rescind any approval if it determines that the applicant submitted an inaccurate or incorrect application. The department can also rescind an approval if the high capacity well system is not constructed and operated in accordance with all the conditions of the department's approval.
- The department may limit pumping capacity or deny an approval for a high capacity well(s) if the department believes that operation of the high capacity well(s) would have an adverse impact on water availability to a public utility well. See Section NR 812.09(4)(a)1., Wisconsin Administrative Code.
- The department shall complete its review and issue an approval or deny the approval within 65 business days after receipt of a **complete** application. The start of the 65 day review period will not begin until a **complete** application is received by the department, incomplete applications will be returned.

## Frequently Asked Questions and Answers:

- Why does the department need to have information about existing wells on the property when an approval for a new high capacity well is requested? There are two answers: First, the department has to evaluate the potential impacts to a public utility well that will be caused by all wells on a high capacity property. The second answer is that department approvals are written for all wells on a property, not just the proposed well.
- The forms ask for a lot of information, do I need to provide answers to all questions? Answer: Some topics are more important than others. Several examples include:
  - If you do not have complete information about the construction of an existing well, provide all of the information that you can provide. The department expects that a good faith effort will be made to gather and provide complete information, and the department considers a good faith effort to include a site inspection. But, the department recognizes that there are times when the requested information will not be available.
  - The forms request well location by latitude and longitude, but if you do not have access to a Global Positioning System unit, you can leave these lines blank.
  - The proposed well construction has to be approved by the department, so information about construction of the proposed well is very critical and must be included.

Contact one of the people that are listed on page one if you have additional questions.

- How long will it take to get an approval? Answer: The department reviews applications and issues approvals on a first-in first-out basis. At times, an approval may take over two months, but at other times when there are very few applications pending, an approval may take less than two weeks. By law, the department has to provide a decision within 65 days business after receiving a **complete** application.
- Is there anything I can do to expedite an approval? Answer: The best way to ascertain that an approval will be obtained in the least amount of time is to make sure that the application is complete and accurate. When critical information in an application is missing or is incorrect, it will take longer to get an approval.
- When I won the bid to drill the well, the property owner did not provide detailed information on the property boundary to me. Do I need this information? Answer: The department does not issue approvals for a single proposed well, instead the department issues approvals for all existing and proposed wells on a high capacity property. Thus, the property boundary is critical information for the department to review in the approval process. If incomplete or inaccurate information on the property boundary is submitted in the application, the approval may be delayed.
- The forms ask for pumping capacity, estimates for average water usage and for maximum daily water usage? Can I just provide pumping capacity and leave the other lines blank? Answer: The department's data base of high capacity wells is used by many people inside and outside the department for water planning. The most accurate information that is available should be provided so that planners can depend on the data in the department's data base. If this data is not provided, the application is not complete and the approval will not be granted.
- What if I do not know where the nearest well is that is operated by a public utility? Answer: The department will not issue an approval if this information is not included. You may need to contact nearby communities to determine which ones have one or more wells operated by a public utility and where those wells are. If a utility cites security reasons for not identifying detailed well locations, state that on the form and provide a distance estimate to that community boundary instead.
- Why can't I get approval for more pumping capacity from my golf course irrigation well? Answer: The department limits the pumping rate when there is the potential for an adverse impact at the location of a well that is operated by a public utility. See Section NR 812.09(4)(a)1., Wisconsin Administrative Code. When major land developments are proposed that will need high capacity wells near public utility wells, the developer may wish to consider the location of the wells during initial project planning.

**STATE OF WISCONSIN  
DEPARTMENT OF NATURAL RESOURCES**

**DRINKING WATER  
PROGRAM  
REGION OFFICES**

**NORTHERN REGION**  
Department of Natural Resources  
810 W Maple Street  
Spooner WI 54801  
(715) 635-2101

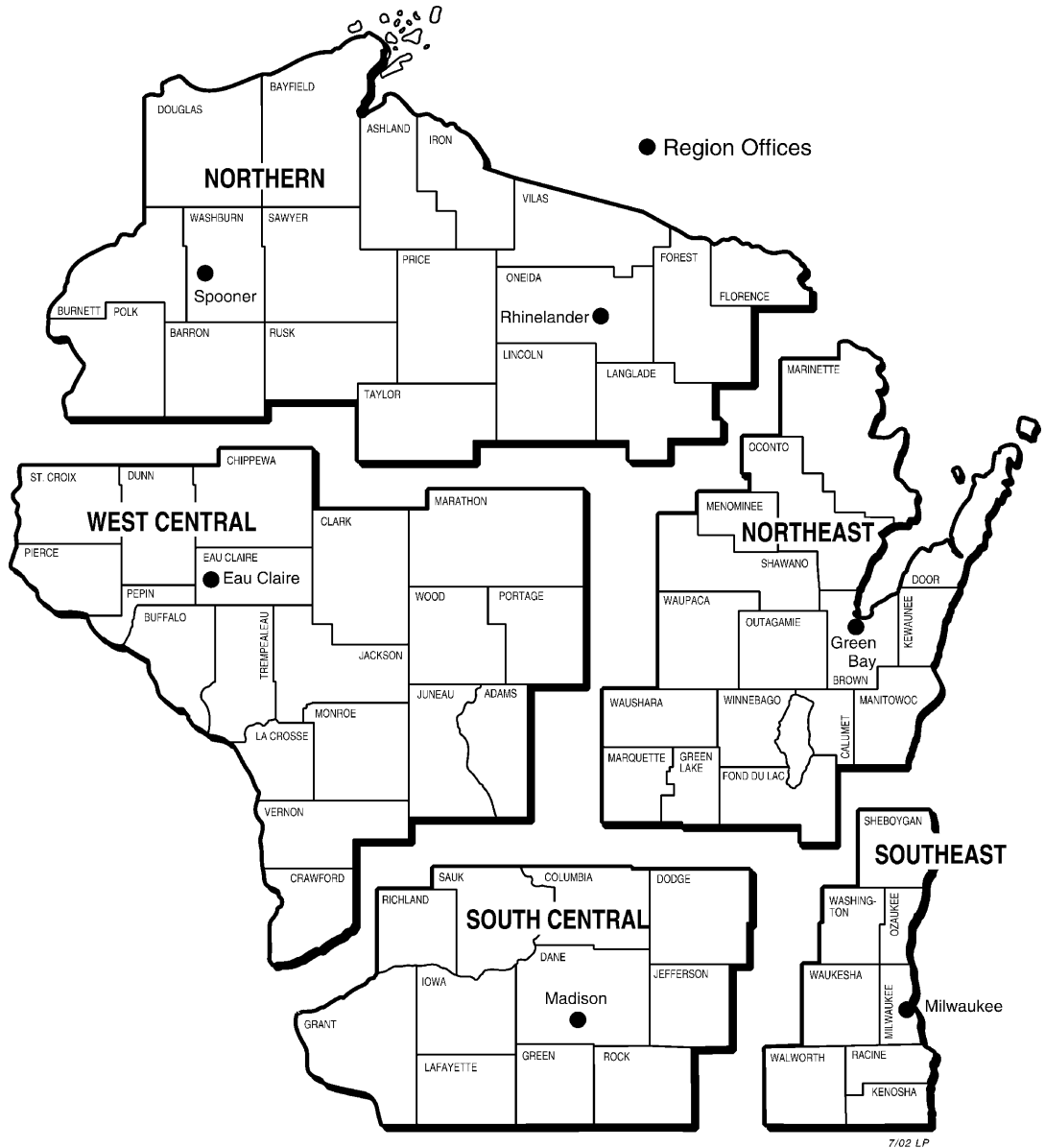
Department of Natural Resources  
107 Sutliff Avenue  
Rhineland WI 54501  
(715) 365-8900

**WEST CENTRAL REGION**  
Department of Natural Resources  
1300 W Clairemont Avenue  
P O Box 4001  
Eau Claire WI 54702-4001  
(715) 839-3700

**NORTHEAST REGION**  
Department of Natural Resources  
1125 N Military Avenue  
P O Box 10448  
Green Bay WI 54307-0448  
(920) 492-5885

**SOUTHEAST REGION**  
Department of Natural Resources  
2300 N Dr. Martin Luther King, Jr.  
Drive  
P O Box 12436  
Milwaukee WI 53212  
(414) 229-0800

**SOUTH CENTRAL REGION**  
Department of Natural Resource  
3911 Fish Hatchery Rd  
Fitchburg WI 53711  
(608) 275-3266



**BUREAU OF DRINKING WATER AND GROUNDWATER - CENTRAL OFFICE**

Street Address:  
WDNR - DG/2  
101 South Webster Street  
Madison WI 53703

Mailing Address:  
WDNR - DG/2  
P O Box 7921  
Madison WI 53707-7921  
(608) 266-2621  
Fax (608) 267-7650

**DEPARTMENT OF NATURAL RESOURCES WEB SITE**

<http://www.dnr.state.wi.us>