INDUSTRIAL Production Wells

High Capacity Wells

What You Need to Know...

Iowa DNR Water Use and Allocation
Water Supply Engineering
Wallace State Office Building
502 E 9th St
Des Moines, Iowa 50319

Industrial Production Wells?

? WILL you be pumping at or above 500 Gallons per Minute (gpm)?

? ARE there nearby Private Wells, Other High Capacity Wells or Industrial Wells?

Know your well’s geology, aquifers & water-bearing formations:
- Bedrock - dolomite, limestone, sandstone
- Alluvial or Buried sands and gravel
- Protected aquifers such as:
  - Jordan Sandstone (Ordovician)
  - Devonian Limestone
  - Silurian Dolomite
  - Dakota Sandstone (Cretaceous)

Perform Hydro Geologic Review Well Forecast

WHY is this IMPORTANT?

... Protect your well

... Protect your neighbor’s well

... Protect Iowa’s Ground Water

To Obtain a Water Use Permit for a High Capacity Well

✓ Provide map of proposed irrigation well site
✓ Provide map inventory of wells and well construction details within a 1 mile radius
✓ Contact us prior or during construction for pump testing guidance based upon your geological setting
✓ Submit results of any required pump testing – including production well and observation well(s)
What Permits do you need?

**County Private Well Construction Permit**
- Your local Iowa Certified Well Driller

**DNR Water Use & Allocation Permit**
- DNR – Water Supply Engineering – Water Use & Allocation Team

**Contact:**

**DNR Water Supply Engineering**

Water Allocation & Use (WSE-WAT)


Michael K. Anderson, PE, Senior Engineer
- (515) 725-0336

Deborah R. Williams, Geologist III
- (515) 725-0290

**DNR – Private Well Program**

[http://www.iowadnr.gov/Environmental-Protection/Water-Quality/Private-Well-Program](http://www.iowadnr.gov/Environmental-Protection/Water-Quality/Private-Well-Program)

Russell Tell, Environmental Specialist Senior
- (515) 725-0462

**Additional Resources for**

Well Mapping Resources

Iowa Geological Survey - GEOSAM

[https://geosam.ihr.uiowa.edu/home](https://geosam.ihr.uiowa.edu/home)

Iowa DNR - Technical Bulletin 23.1 – SD 0014