

**NOTICE OF INTENT TO
MODIFY A PERMIT AUTHORIZING USE OF WATER
FOR INDUSTRIAL PURPOSES
IN BREMER COUNTY, IOWA**

Notice is hereby given that pursuant to Iowa Code Chapter 455B, there are now on file with the Iowa Department of Natural Resources, Water Supply Engineering Section, 6200 Park Avenue, Suite "200" Des Moines, Iowa 50321 an application as described below.

Wartburg College (DNR Log No. 34,515) requests a permit modification authorizing withdrawal of water from six existing Devonian Cedar Valley Limestone wells, approximately 120 feet deep, with Wells Nos. 1 & 2 located in the E ½ of the NW ¼ of the NE ¼ of Section 3, Wells Nos. 3 & 4 located in the S ½ of the NW ¼ of the NE ¼ of Section 3, and Well No. 5 located in the NW ¼ of the NE ¼ of the NE ¼ of Section 3, and one Well No. 6, about 120 feet deep, located in the NW ¼ of the NE ¼ of the NE ¼ of Section 3, all wells located in T91N, R14W, Bremer County, Iowa, in the maximum quantity of 240 acre-feet per year at a combined maximum rate of 495 gallons per minute during the period throughout each year for cooling purposes on said campus and land.

This modification entails an increase in yearly allotment of water from 200 acre-feet per year to 240 acre-feet per year. The modification represents no change in the instantaneous amount of pumping (495 gallons per minute).

The Department has determined that these uses of water conform to the relevant criteria (Iowa Code Chapter 455B and Iowa Administrative Code Chapter 567) and recommends the permits be granted. A copy of the summary report for these applications is available upon a request to the department at the address listed above. Comments on these uses of water must be received by May 21, 2026, and should be addressed "ATTN.: Water Supply Engineering Section" and should specify the Applicant's log number.

(Michael K. Anderson, P.E.)

**IOWA DEPARTMENT OF NATURAL RESOURCES
WATER USE PERMIT SUMMARY REPORT**

Applicant: Wartburg College (Waverly)

Application Log No.: 34,515

Wartburg College (DNR Log No. 34,515) requests a permit modification authorizing withdrawal of water from six existing Devonian Cedar Valley Limestone wells, approximately 120 feet deep, with Wells Nos. 1 & 2 located in the E ½ of the NW ¼ of the NE ¼ of Section 3, Wells Nos. 3 & 4 located in the S ½ of the NW ¼ of the NE ¼ of Section 3, and Well No. 5 located in the NW ¼ of the NE ¼ of the NE ¼ of Section 3, and one Well No. 6, about 120 feet deep, located in the NW ¼ of the NE ¼ of the NE ¼ of Section 3, all wells located in T91N, R14W, Bremer County, Iowa, in the maximum quantity of 240 acre-feet per year at a combined maximum rate of 495 gallons per minute during the period throughout each year for heating/cooling purposes on said campus and land.

This modification entails an increase in yearly allotment of water from 200 acre-feet per year to 240 acre-feet per year. The modification represents no change in the instantaneous amount of pumping (495 gallons per minute).

The analysis indicates that the requested amount of water is available, and can be used in a beneficial way.

The increased water usage is to alleviate current and future needs in the campus supply system.

1. One newly-drilled Devonian Limestone aquifer well as referenced above is being referenced as “complete” now (Well #6). It has been added to the above-referenced college’s water supply cooling “source mix”. The permit modification also reflects the addition described above for the College to use a plate-type and frame-type heat exchanger, with previously approved primary discharge to the City of Waverly storm sewer system.
2. The wells all draw water from the Devonian Cedar Valley Limestone Aquifer formation within the City of Waverly. The source/s are dolomites and limestone wells associated with the Silurian and Devonian System, respectively. The Iowa Geological Survey has reported that very large yields have been achieved in fractured limestone aquifer wells in Cedar Falls, Waterloo, Waverly, and Charles City. The Silurian-Devonian aquifer in parts of this area receives induced recharge from the Cedar River, infiltrating first through a thin layer of alluvial sand and then through cavernous limestone. Under normal conditions the aquifer in this vicinity will not be subject to significant depletion or experience an extended cone of depression as a result of the minor increases in the currently permitted maximum annual water allowance and the pumping rate requested herein, especially in as much as the Applicant intends to re-inject much of the water withdrawn from this well pursuant to approval from the USEPA, excepting minor quantities lost through the evaporative cooling process. It is estimated that a water temperature rise of about 10 degrees occurs during this evaporative cooling process.
3. The increased amount is thus justified by law, barring compelling circumstances that mitigate to the contrary. The Department has received no allegations of public or private damage resulting from the use of water authorized under the predecessors to this permit since the original permit was granted in April of 1983.
4. Based on the relatively low increase in the maximum annual water allowance and pumping rate requested by permittee, it is unlikely that persons living in the vicinity of the withdrawal site and having wells in similar Devonian Cedar Valley Limestone Aquifer locations, will experience any significant impacts of the withdrawals by the applicant. In any event, the interests of individuals using water for domestic purposes, as well as those persons benefiting from the permits mentioned above, are amply protected, in the event of substantial injury, pursuant to Section 455B.271, Code of Iowa.
5. The applicant is devoting a reasonable amount of water to a beneficial use. Heating/cooling of a college campus is by definition a reasonable use of water. There is no evidence that the use of water pursuant to a permit

granted in accordance with the conclusions contained herein will constitute a waste of the water resources of the State, will be incompatible with the state comprehensive plan for water resources, will impair the effect of pollution control laws of this State or the navigability of and navigable watercourse, or will be detrimental to the public interest or to the interests of property owners with prior or superior rights who might be affected.

THEREFORE:

The requested use of water conforms to the relevant criteria in Division III, Part 4, Chapter 455B, Code of Iowa and Chapter 52 of Part 567, Iowa Administrative Code. No adverse effect upon other water users is foreseen at this time. No well interference has been noted. Following publication of notice and subject to revisions in response to comments that may be submitted, the attached draft permit should be issued for a period of ten years.

Water Supply Engineering Section

Date: April 22, 2026

**IOWA DEPARTMENT OF NATURAL RESOURCES
WATER USE PERMIT**

Permit issued to:

WARTBURG COLLEGE
TODD ROGERS
PO BOX 1003
WAVERLY IA 50677-0903

Permit Number:

5739-M6

Effective:

Expires:

The Permittee is authorized to:

withdraw water from six Devonian-Cedar Valley wells, each approximately 120 feet deep, Wells 1 & 2 located in the E ½ of the NW ¼ of the NE ¼ of Section 3, Wells 3 & 4 located in the S ½ of the NW ¼ of the NE ¼ of Section 3, and Well 5 located in the NW ¼ of the NE ¼ of the NE ¼ of Section 3, and Well 6 located in the NW ¼ of the NE ¼ of the NE ¼ of Section 3, all in T91N, R14W, Bremer County, Iowa, in the maximum quantity of 240.0 acre-feet per year at a maximum pumping rate of 495 gallons per minute, throughout each year for heating/cooling purposes, located on land generally described as the Wartburg College Campus, Waverly, Iowa.

This authorization to withdraw water has been granted pursuant to the provisions of Part 4 of Division III of Chapter 455B, Code of Iowa, and Chapter 50, Part 567, Iowa Administrative Code, and is further subject to the general permit conditions within this permit.

Conditions of this permit may be appealed as provided in rule 567--50.8(3), Iowa Administrative Code. Appeal must be in writing and must be received at the Iowa Department of Natural Resources, Water Supply Engineering Section, 6200 Park Ave. Suite 200, Des Moines, Iowa 50321-1371 within thirty days of the date of the certification of the mailing of the permit.

FOR THE DIRECTOR:

By: _____ Date Executed: _____
cc: Permit File

CERTIFICATE OF MAILING

On the date shown below, a copy of the foregoing permit was mailed to the Permittee and to each person entitled to receive a copy as provided by rule 567--50.8(2), Iowa Administrative Code.

Certified by (initials): _____ Date: _____

GENERAL PERMIT CONDITIONS

1. Permittee shall maintain accurate and up-to-date records of monthly water use from each authorized source and submit them annually to the Department.
2. Permittee may be required to submit other information related to the regulation of this use of water as directed by the Department.
3. This Permit is issued pursuant to Iowa Code chapter 455B.265(1) to authorize the withdrawal and use of water by the permittee, subject to the terms contained herein and to the laws and rules of the Department that regulate the withdrawal and use of water. Issuance of this permit does not relieve the permittee of the responsibility to comply with applicable local, state and federal laws, ordinances, regulations or other legal requirements.
4. Permittee shall be responsible for notifying the Department when there are changes to any conditions and authorizations given in this permit, including additional water source(s), well(s), intake(s), an expansion of the facility, or any other listed condition.
5. Permittee shall construct, maintain, and monitor observation wells as directed by the Department to define the effects of Permittee's water withdrawals on groundwater resources or on other water users who might be affected by the withdrawals authorized herein.
6. Each well authorized as a source of water in this permit must be constructed to allow for accurate measurement of water levels.
7. Withdrawals from permitted wells may be made only after the Permittee has made the following information available to the Department: well location(s), well log(s), and results of yield tests. Required chip samples shall be submitted to the Iowa Geological Survey.
8. Permittee shall be responsible for accurately measuring depth to water under non-pumping (static) conditions, and pumping rate(s) for all active wells listed in this permit, at a minimum of one measurement per year. These records shall be submitted annually to the Department.
9. Water withdrawn pursuant to this permit shall be discharged into storm sewers of the Waverly storm sewer system for Wells 1-4 accordance with all applicable rules and regulations, shall be of suitable quality, and shall be so discharged as to preclude flooding, erosion, or other adverse effects. Water withdrawn pursuant to this permit from Well 5 shall be discharged by re-injection pursuant to the approval of the USEPA, through the use of two re-injection wells located on site.
10. Permittee shall not introduce any treatment chemicals or any other pollutants, other than heat, into any water to be injected into the ground without a written authorization from the Department.
11. Permittee must apply to renew this water use permit prior to the expiration date of the current permit version.
12. Permittee shall submit to the Department within 90 days of being notified by the Department or no later than the expiration date of this permit, whichever first occurs, a plan for implementing routine day-to-day water conservation measures and for implementing emergency water conservation measures during periods of water shortage. Until such a plan has been submitted to and approved by the Department, Permittee shall implement

Permit No.: 5739-M6

those emergency water conservation measures determined to be necessary by the Department pursuant to Iowa Code Sections 455B.265 and 455B.266.

13. This permit supersedes Water Use Permit No. 5739-R5.

CAVEAT

Permittee is advised that pursuant to Section 455B.271, Code of Iowa, the authority to withdraw water provided by this permit may be modified, canceled or suspended in case of any breach of the terms or conditions herein, in case of any violation of state law pertaining to the permit, or if found necessary to prevent substantial injury to private or public interests.