

**NOTICE OF INTENT TO MODIFY A PERMIT
AUTHORIZING THE USE OF WATER
FOR MUNICIPAL-TYPE PURPOSES
IN SCOTT COUNTY, IOWA**

Notice is hereby given that pursuant to Iowa Code Chapter 455B, there is 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.

The City of Walcott, Iowa DNR Log Number 34,379, requests one modified municipal-type water use permit authorizing withdrawals of water from three existing Silurian Dolomite wells, 230, 455, and 470 feet deep, in the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 6, T78N, R2E, and the NE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 36, T79N, R1E, and one newly-constructed Silurian Dolomite well, approximately 12.75 inches in diameter and 475 feet deep, in the NW $\frac{1}{4}$ of Section 31, T79N, R02E, all in Scott County, Iowa, in the maximum quantity of 292 million gallons per year at a maximum rate of 1,998 gallons per minute throughout each year for municipal purposes within and without the Permittee's corporate limits consistent with its municipal distribution system and other provisions of law.

This permit modification represents the addition of one new service well (Silurian Dolomite well) is being added, as detailed above.

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

The Department has determined that this use of water conforms to the relevant criteria (Iowa Code Chapter 455B and Iowa Administrative Code Chapter 567) and recommends the permit be granted. A copy of the summary report is available upon a request to the Department at the address listed above. Comments on the report and on this use of water must be received by April 06, 2026, and should be addressed "ATTN.: Water Supply Engineering Section" and should specify the applicant's log number.

(By Michael K. Anderson, P.E.)

IOWA DEPARTMENT OF NATURAL RESOURCES

WATER USE PERMIT SUMMARY REPORT

Applicant: City of Walcott

Application Log No.: 34,379

The City of Walcott, Iowa DNR Log Number 34,379, requests one modified municipal-type water use permit authorizing withdrawals of water from three existing Silurian Dolomite wells, 230, 455, and 470 feet deep, in the SE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 6, T78N, R2E, and the NE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of Section 36, T79N, R1E, and one newly-constructed Silurian Dolomite well, approximately 12.75 inches in diameter and 475 feet deep, in the NW $\frac{1}{4}$ of Section 31, T79N, R02E, all in Scott County, Iowa, in the maximum quantity of 292 million gallons per year at a maximum rate of 1,998 gallons per minute throughout each year for municipal purposes within and without the Permittee's corporate limits consistent with its municipal distribution system and other provisions of law.

This permit modification represents the addition of one new service well (Silurian Dolomite well) is being added, as detailed above.

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

1. The reason for this modification is because the city wants to increase the number of wells, and the withdrawal rate. The city plans for an additional Silurian well in the near future.
2. The water source consists of three existing and one proposed Silurian/Devonian wells. The Silurian/Devonian limestone in is underlain by Maquoketa shale and underlying Cambrian sandstones. The primary pathways for water movement in these rock formations are secondary fractures, joints, and bedding planes. Under normal conditions, the aquifer, being associated with an extremely large drainage basin system, will not be subject to depletion or experience an extended cone of depression as a result of water withdrawals made at this magnitude and rate.
3. The nearest neighboring water user requiring the diversion of water in sufficiently large proportions to require a water use permit is the City of Long Grove (Water Use Permit #1353) located in excess of 6.0 miles north of Applicant's withdrawal site and involves withdrawal of water from a similar aquifer for municipal purposes. Whereas there is a significant distance between the two users and whereas, there should be no negative impacts upon this neighboring user resulting from the City of Walcott's increased withdrawals of groundwater at the site in question.
4. Applicant represents that the nearest nearby non-regulated well is located about 1650 feet from the proposed municipal well; and is about 175 feet deep. Based on the magnitude of groundwater associated with this Silurian aquifer in this region and based on the depth of these two wells, it is unlikely that persons utilizing private (non-regulated) water wells in the vicinity of the Applicant and utilizing a similar Silurian/Devonian or an alluvial aquifer would experience any significant impacts from the proposed new well or the withdrawal increases 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. Whereas 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 January, 1986, the increased amount is justified by law, barring compelling circumstances that mitigate to the contrary.

6. The applicant is using a reasonable amount of water in a beneficial manner (water for human consumption, normal distribution throughout the system, and for human waste assimilation). 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 Section

Date: April 28, 2006

IOWA DEPARTMENT OF NATURAL RESOURCES

WATER USE PERMIT

| | | |
|---|-----------------------|---------|
| Permit issued to: | Permit Number: | 6093-m4 |
| CITY OF WALCOTT PUBLIC WORKS DEPT PO BOX 247 WALCOTT IA 52773-0247 | Effective: | |
| | Expires: | |

Permittee is authorized to:

withdraw water from three existing Silurian Dolomite wells, 230, 455, and 470 feet deep, in the SE ¼ of the SW ¼ of Section 6, T78N, R2E, and the NE ¼ of the NE ¼ of Section 36, T79N, R1E, and one newly-constructed Silurian Dolomite well, approximately 12.75 inches in diameter and 475 feet deep, in the NW ¼ of Section 31, T79N, R02E, all in Scott County, Iowa, in the maximum quantity of 292 million gallons per year at a maximum rate of 1,998 gallons per minute throughout each year for municipal purposes within and without the Permittee's corporate limits consistent with its municipal distribution system and other provisions of law.

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 Chapters 50, 51, and 52 of 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--50.9, 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 Avenue, Suite '200' Des Moines, IA 50321, within thirty days of the date of the certification of the mailing of the permit.

FOR THE DIRECTOR:

By: _____ Date Executed: _____
(mka)

cc: Field Office No. 6 - Washington
File CON 3-9, Permit No. 6093

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 water use from said sources by means of water meters and submit them annually to the department. Additional records on pumping rates from said sources, water levels

in said wells, and other data related to the regulation of this use of water shall be maintained and submitted as directed by the department.

2. Permittee shall be responsible for compliance with all applicable provisions of state law and the rules and regulations of this department and of federal and local health and water pollution control agencies in the operation of its water supply facilities and in the disposal of its wastes.
3. Permittee is responsible for securing such other permits or approvals as may be required by this department, federal, or local governmental agencies for the operation of said water supply facilities or the discharge of water or other materials due to this operation.
4. Once each spring prior to March 31, the Permittee shall be responsible for accurately measuring the distance to water (static water level) from the access port in all permitted wells. The distance to water shall be submitted to the department annually as part of the records of water use.
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. Existing wells shall not be replaced without notifying the Iowa Department of Natural Resources. Changes to the location, depth, source aquifer, or other physical features of said wells may require that this permit be modified to accommodate the changes.
7. With respect to each proposed or replacement well authorized as a source of water in this permit, withdrawals of water may be made only after the Permittee has made the following information available to the IA Geological Survey: well location, well log, casing and grouting schedule, results of yield tests, and cutting samples.
8. Each proposed or replacement well authorized as a source of water in this permit must be equipped with an access port having a minimum diameter of three-fourths inch. The access port must be equipped with a threaded cap or plug. The access port must be located to allow insertion of a steel tape or electric probe into the well casing for measurement of water levels.
9. 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 those emergency water conservation measures determined to be necessary by the department pursuant to Iowa Code Sections 455B.265 and 455B.266.
10. This permit supersedes Water Use Permit No. 6093-R3.

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.