

**WATER PERMIT NO. 6436-3**

Name of Applicant: City of Watertown, Municipal Golf Course

Address: PO box 910, Watertown SD 57201

Phone: 605 882-6260

Amount of Water Claimed: <sup>1.35</sup>~~1.44~~ <sup>606</sup>~~cfs~~ - (~~650~~ gpm add'l)

Total Acres: 159.5

Source of Water Supply: Lake Kampeska

Water to be used for: irrigation

County: Codington

Type of Waste Disposal System:

Location:

PRIORITY

Date Received: 7-31-03

Application/License Fee: \$

Corrected Application Received:

Period of Annual Use: April 1 – October 31

Remarks: changes the diversion point location authorized by No. 6103-3 and increases the diversion rate

Diversion Point: SW ¼ SW ¼ Sec 22-T117N-  
R53W

Land to be Irrigated: N ½ Sec 27-T117N-R53W

Depth of Well: NA

Well Driller: : NA

Remarks:

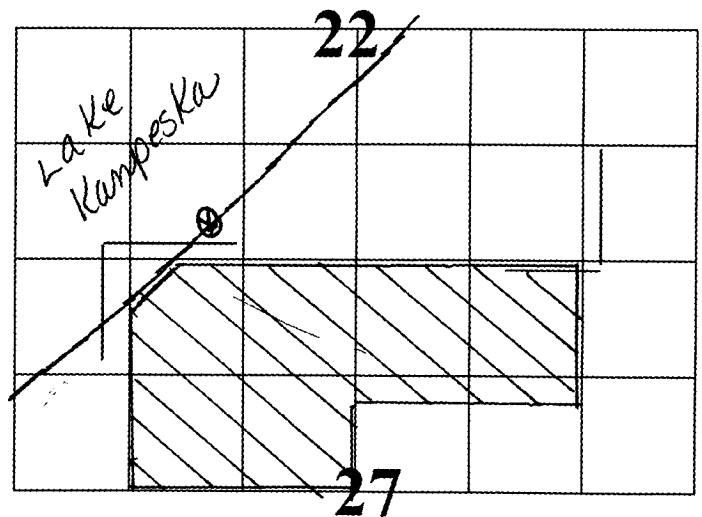
Type of Map: aerial

Prepared by: David Peterson, PE/LS

Reviewed and the Number Assigned on: 7-31-03

By: **Karen Schlaak**

Notice of Hearing - date to intervene: \_\_\_\_\_



**SOUTH DAKOTA**  
**WATER PERMIT NO. 6436-3 FOR IRRIGATION**

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Date of first receipt of application July 31, 2003.

Date of return to applicant for corrections, amendments or changes July 31, 2003.

Date of receipt of corrected application September 18, 2003.

The Water Management Board approved Water Permit No. 6436-3 on October 1, 2003 for City of Watertown, Municipal Golf Course, PO Box 910, Watertown SD 57201 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 6436-3 appropriates 2.34 cubic feet of water per second (cfs) by increasing the diversion rate and changing the location of the diversion point authorized by Water Right No. 6103-3. Water Right No. 6103-3 authorizes 1.67 cfs from Lake Kampeska located in the NW  $\frac{1}{4}$  NW  $\frac{1}{4}$  Section 27 to irrigate 159.5 acres of the golf course located in the N  $\frac{1}{2}$  Section 27; all in T117N-R53W. Water can be diverted directly from the lake for irrigation or to a pond prior to irrigation of the golf course. This permit appropriates an additional 2.34 cfs from Lake Kampeska and to change the location of the diversion point to the SW  $\frac{1}{4}$  SW  $\frac{1}{4}$  Section 22-T117N-R53W.
2. The amount of the appropriation may not exceed 3 acre feet annually for each acre of land to which water is actually and beneficially applied for irrigation. The water is to be used during the following described annual period: April 1 – October 31.
3. The date from which applicant may claim right is July 31, 2003 (additional 2.34 cfs).
4. One-fifth of the construction is to be completed on or before April 1, 2006.
5. All construction is to be completed on or before October 1, 2008.
6. Water is to be put to beneficial use on or before October 1, 2012.
7. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

**QUALIFICATIONS**

1. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Right No. 6103-3 and Permit No. 6436-3, combined, authorize a maximum diversion rate of 4.01 cfs from Lake Kampeska for irrigation of 159.5 acres. Irrigation of the golf course is limited to 8 hours per day. The annual volume shall not exceed 3 acre feet of water per acre per year.
2. South Dakota Department of Game, Fish and Parks holds Vested Water Right No. 890-3 for storage of water in Lake Kampeska. Diversions authorized by Right No. 6103-3 and Permit No. 6436-3 shall be limited when the lake level is at or below elevation 1714.5 feet mean sea level to irrigation of only the golf course greens and tees.

3. Diversions of water from Lake Kampeska to the pond with a 5 acre foot storage capacity as authorized by Water Right No. 6103-3, and shall be limited to the amount necessary to maintain the pond's water level.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

**WATER MANAGEMENT BOARD**

By: Garland Erbele  
Garland Erbele, Chief Engineer  
Water Rights Program  
Department of Environment and Natural Resources

APR 23 2004

date



**FORM 2: Application for irrigation in South Dakota**  
(type or print)

|                                                                                                                    |                                                                        |
|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Mail to:<br>Water Rights Program<br>Joe Foss Building<br>523 E. Capitol<br>Pierre, SD 57501-3181<br>(605) 773-3352 | No. <u>6436-3</u> (office use only)<br>Hydrologic Unit <u>10170202</u> |
|                                                                                                                    | Basin <u>Sioux River</u>                                               |
|                                                                                                                    | Newspaper <u>Public Opinion, Watertown</u>                             |

RECEIVED  
JUL 31 2003  
WATER RIGHTS  
PROGRAM

## Application For Permit To Appropriate Water For Irrigation

Type of Application:      New      ☒ Vested Right      Amendment/Correction to Permit No. \_\_\_\_\_  
(Use predates Mar 2, 1955)

Description of amendment/correction: (i.e. change diversion point(s), add diversion point(s), change use, etc.)

- Name of Applicant City of Watertown - Municipal Golf Course Phone (605)882-6260  
(check one)      Owner ☒      Tenant/lessee  
Mailing Address P.O. Box 910 Watertown State SD 57201  
(Street, RR, or Box and City)      (Zip Code)
- Amount of water claimed 1.35\*CFS or 1800\*\*GPM      \*\*\*AF Total Acreage 159.5  
(\*Cubic Feet per Second)      (\*\*Gallons per Minute)      (\*\*\*Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Lake Kampeska
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W) County Codington  
Lake Kampeska - Jackson Park      SW 1/4 of SW 1/4 Sect. 22 - T117N - R53W
- County or counties where water will be used Codington
- Annual period during which water is to be used April thru Oct. 31 annually
- List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.  
(Attach sheet if more space is needed)

| Land Description                     | Acres | Land Description                     | Acres |
|--------------------------------------|-------|--------------------------------------|-------|
| NW 1/4 of NW 1/4 Sect. 27-T117N-R53W | 14.4  | NW 1/4 of NE 1/4 Sect. 27-T117N-R53W | 21.10 |
| SW 1/4 of NW 1/4 Sect. 27-T117N-R53W | 33.7  | SW 1/4 of NE 1/4 Sect. 27-T117N-R53W | 5.48  |
| SE 1/4 of NW 1/4 Sect. 27-T117N-R53W | 32.9  | SE 1/4 of NE 1/4 Sect. 27-T117N-R53W | 5.18  |
| NE 1/4 of NW 1/4 Sect. 27-T117N-R53W | 27.5  | NE 1/4 of NE 1/4 Sect. 27-T117N-R53W | 91.18 |

8. Give a description of the project. (Attach sheet if more space is needed)

19.18

STATE OF SOUTH DAKOTA) SS  
County of Codington

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

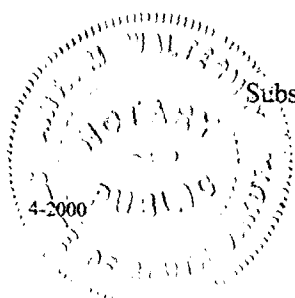
I, Roger Adams, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.

Applicant's signature Roger Adams, Dir. Pub. & Rec.

Subscribed and sworn to before me this 30 day of July 20 03

Paul M. Wallerman  
Notary Public signature

exp date 9/19/2006



**Project Description** – Watertown Municipal Golf Course Irrigation

Currently, the Watertown Municipal Golf Course irrigates by S.D. Water License No. 6103-3 approved 3-3-1999 for 2.55 cfs from Lake Kampeska for 159.5 ac. The Lake Kampeska diversion point is associated with the Municipal Utilities water pumping and filtration plant (336 S. Lake Drive) and diverts 1.67 cfs to irrigate 108.5 ac. An irrigation pond (5 acre foot) provides water for another 51 ac. located in NE ¼ Sect. 27-T117N-R53W, which requires diversions from the existing Lake Kampeska diversion, works to maintain an adequate level.

An irrigation evaluation conducted by Irrigation Design Associates of Fargo, N.D. in 2003 identified a need to increase our water supply to 1800 gpm or 214.71 ac. ft. to adequately provide irrigation water in an 8-hour window.

We are proposing to develop a single pump station of 1800 gpm capacity located in Jackson Park on Lake Kampeska adjacent to the Municipal Golf Course to provide all necessary irrigation water to the golf course. Both our original diversion at 336 S. Lake Drive and the irrigation pond on the course would become non-functioning when the new single pump station goes on line.

## Water Rights Division - DENR

### Conversation File Documentation Application # 6436-3

On 8/13/03 I spoke with Roger Adams, Director of Parks & Recreation for Watertown, SD, concerning the application for additional water to irrigate the golf course. Roger stated that they only want 1800 gpm total with Water License 6103-3 and application 6436-3. They want to keep the 0.88 cfs diversion to maintain the pond at an adequate level although they probably won't be irrigating from it in the future except during urgent situations. They also want the 1.78 cfs for irrigation of 108.5 acres.

The pond is under ground water influence and should only require infrequent topping. The golf course total acreage for irrigation is 159.5 total. Water License 6103-3 authorizes 2.66 cfs total for the irrigation of the 159.5 acres with a 0.88 cfs portion for topping the pond for indirect irrigation of 51 acres of the total acres. As the topping of the pond will be very infrequent in the future, the 2.66 cfs can be considered as the amount used for the irrigation of the 159.5 acres.

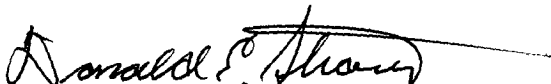
~~2.66~~  
~~2.66~~ cfs = 1194 gpm

1800 gpm - 1194 gpm = ~~606~~ gpm

606 gpm = 1.35 cfs additional amount requested by application 6436-3 to obtain the desired 1800gpm total.

Roger also advised that they normally irrigate a maximum of 8 hours per day during June, July, and August. This time limit will become a qualification of Application 6436-3. Depending on conditions, they may have to irrigate some in May and September.

A private consultant had advised that Parks & Recreation needed a minimum of 1750 gpm to adequately irrigate the golf course.

  
Donald E. Stroup  
Natural Resources Project Engineer  
DENR Water Rights Program



Scale: 1" = 600'

PREPARED BY: DAVID PETERSEN  
David Petersen  
PE/LS

Sec 22, T117N, R53W

Proposed  
Diversion Pt.

Jackson Park

Existing Div. Pt. 1

Municipal Golf Course

Existing Div. Pt. 2

Sec 27, T117N, R53W

6436-3

## Water Rights Program - File Documentation

NAME: City of Watertown

ADDRESS:

DATE: 9-18-03 COUNTY: CD TELEPHONE:

RE: Application Fee

## COMMENTS:

On September 18, 2003, the department received a check from the City of Watertown for payment of their solid waste fees and this application/license fee.

Receipt No. 7873 prepared by Kay Miller indicates that the application/license fee for \$200 was received.

*Karen Schlaak*  
Karen Schlaak  
Environmental Scientist

| NOTES           | <b>RECEIPT</b>                                                                                                                                                                                                                                                                                                           |             | DATE <u>9/18/03</u>   | NO. <u>7873</u> |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|----------|--|-----------------|--|------|--|-----------|--|-------|--|-------------|--|-------------|--|--|--|
|                 | RECEIVED FROM <u>City of Watertown</u>                                                                                                                                                                                                                                                                                   |             |                       |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
|                 | ADDRESS _____                                                                                                                                                                                                                                                                                                            |             |                       |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
|                 |                                                                                                                                                                                                                                                                                                                          |             | \$ <u>200</u>         |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
|                 | FOR <u>Application Fee</u>                                                                                                                                                                                                                                                                                               |             |                       |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
|                 | <table border="1"><thead><tr><th colspan="2">ACCOUNT</th><th colspan="2">HOW PAID</th></tr></thead><tbody><tr><td>AMT. OF ACCOUNT</td><td></td><td>CASH</td><td></td></tr><tr><td>AMT. PAID</td><td></td><td>CHECK</td><td></td></tr><tr><td>BALANCE DUE</td><td></td><td>MONEY ORDER</td><td></td></tr></tbody></table> |             | ACCOUNT               |                 | HOW PAID |  | AMT. OF ACCOUNT |  | CASH |  | AMT. PAID |  | CHECK |  | BALANCE DUE |  | MONEY ORDER |  |  |  |
| ACCOUNT         |                                                                                                                                                                                                                                                                                                                          | HOW PAID    |                       |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
| AMT. OF ACCOUNT |                                                                                                                                                                                                                                                                                                                          | CASH        |                       |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
| AMT. PAID       |                                                                                                                                                                                                                                                                                                                          | CHECK       |                       |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
| BALANCE DUE     |                                                                                                                                                                                                                                                                                                                          | MONEY ORDER |                       |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
|                 |                                                                                                                                                                                                                                                                                                                          |             | ✓ <u>430078</u>       |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
|                 |                                                                                                                                                                                                                                                                                                                          |             | BY <u>K Miller</u>    |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |
|                 |                                                                                                                                                                                                                                                                                                                          |             | ©2001 REDIFORM® 8L806 |                 |          |  |                 |  |      |  |           |  |       |  |             |  |             |  |  |  |



July 31, 2003

**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

Roger Adams  
City of Watertown  
Parks and Recreation  
PO Box 910  
Watertown SD 57201

Dear Mr. Adams:

Thank you for submitting the *Application for a Permit to Appropriate Water* for the golf course.

As stated in your phone conversation with Eric Gronlund, the application/license filing fee will be \$200. We are processing the application with the understanding that the fee will be coming later.

If you need an invoice or have any questions, please contact me.

Sincerely,

*Karen Schlaak*

Karen Schlaak  
Water Rights Program  
605 773-3352

Water Rights Program - DENR  
Conversation File Documentation

NAME OF PERSON OR FILE: Water Permit Application No. 6436-3, City of Watertown

ADDRESS: COUNTY: Codington

DATE: August 18, 2003 TELEPHONE: 882-6260

RE: Discussion with Roger Adams

COMMENTS:

Mr. Adams requests that the application be amended to request an annual volume of 3 acre feet per acre. This is because the city is irrigating turf.

NAME: Eve Hurler



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

August 27, 2003

Geoff Heig  
Watertown Municipal Utilities  
901 Fourth Avenue SW  
Watertown SD 57201

Dear Mr. Heig:

Please find enclosed a copy of the report, recommendation and notice regarding Water Permit Application No. 6436-3 filed by the city of Watertown for the golf course. This application requests an additional diversion rate from Lake Kampeska. The Chief Engineer is recommending approval with conditions. I believe that Roger Adams with Watertown's Parks and Recreation Department has discussed this application with you.

The notice is scheduled to be published in the Public Opinion printed in Watertown on October September 4 and 11, 2003. If you desire to petition to intervene in order to participate in the October 1<sup>st</sup> hearing before the Water Management Board, Watertown Municipal Utilities must submit the petition by September 22, 2003

This information is being sent to you because of the interest you have shown in water right appropriations in the Watertown area. If you have any question on the application, please contact me.

Sincerely,

Eric Gronlund  
Water Rights Program, DENR  
605 773-3352

enclosures



August 27, 2003

**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

Leslie Petersen  
Department of Game, Fish and Park  
523 E. Capitol Avenue  
Pierre SD 57501

Dear Leslie:

Please find enclosed a copy of the report, recommendation and notice regarding Water Permit Application No. 6436-3 filed by the city of Watertown for the golf course. This application requests an additional diversion rate from Lake Kampeska. The Chief Engineer is recommending approval with conditions. I believe that Roger Adams with Watertown's Parks and Recreation Department has discussed this application with you.

The notice is scheduled to be published in the Public Opinion printed in Watertown on October September 4 and 11, 2003. If you desire to petition to intervene in order to participate in the October 1<sup>st</sup> hearing before the Water Management Board, GF&P must submit the petition by September 22, 2003

This information is being sent to you because of the interest GF&P has shown in water right appropriations from surface water sources. In this case, GF&P holds a vested water right for Lake Kampeska. If you have any question on the application, please contact me.

Sincerely,

Eric Gronlund  
Water Rights Program, DENR  
605 773-3352

enclosures



**DEPARTMENT OF GAME, FISH AND PARKS**

Foss Building  
523 East Capitol  
Pierre, South Dakota 57501-3182

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SEP 23 2003

WATER RIGHTS  
PROGRAM

September 22, 2003

Mr. Eric Gronlund  
Water Rights Program  
Foss Building  
523 East Capitol Ave  
Pierre, SD 57501

Re: Water Right Application No. 6436-3; City of Watertown, South Dakota

Dear Mr. Gronlund,

This letter is to inform you of the South Dakota Department of Game, Fish, and Parks intent to request party status in the above referenced water right application. As you are aware, the South Dakota Department of Game, Fish and Parks holds vested water right No. 890-3, priority date 1889, for sufficient runoff water to maintain Lake Kampeska's water level at the elevation of the outlet/inlet structure, 1717.8 fmsl.

We have no objection to water right application No. 6436-3 as long as diversions are limited to irrigation of only the golf course greens and tees when the lake level is at or below elevation 1714.5 fmsl, as stated in qualification number two.

Thank you for the opportunity to provide comments on this project. If you have any questions, please contact me at (605) 773-6208.

Sincerely,

Leslie Petersen

Aquatic Resource Coordinator



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

September 24, 2003

Roger Adams, Director  
Watertown Parks & Recreation  
PO Box 910  
Watertown SD 57201

Dear Roger:

Please find enclosed a letter filed by the South Dakota Department of Game, Fish and Parks in response to Watertown's application for the golf course. I am uncertain whether they also provided you the letter so I decided to mail you a copy.

Sincerely,

Eric Gronlund  
Water Rights Program, DENR  
(605) 773-3352

enclosure

**WATER PERMIT APPLICATION No. 6436-3**

**City of Watertown  
Municipal Golf Course  
PO Box 910  
Watertown, SD 57201  
(605)882-6260**

Water Permit Application No. 6436-3, City of Watertown, SD, proposes to increase the total withdrawal rate by 2.34 cubic feet per second (cfs) and change the point of diversion of Lake Kampeska water authorized by Water Right No. 6103-3. No increase in acres irrigated is requested. The annual period of use requested is from April 1 to October 31. The applicant is requesting a diversion rate greater than the statutory limitation of 1-cfs per 70 acres irrigated.

**Review of Proposed Project**

Water Right No. 6103-3 authorizes a total diversion of 1.67-cfs, or 750 gallons per minute (gpm), from Lake Kampeska to irrigate 109-acres of the Watertown, SD municipal golf course. A five (5) acre-foot capacity storage pond is also used to irrigate 51-acres of the golf course at a diversion rate of 0.88-cfs. The storage pond is under ground water influence, but a portion of the Lake Kampeska 1.67-cfs appropriation may be used to maintain the storage capacity at 5 acre-feet. A private consultant advised the Watertown Parks and Recreation division that at least 1750-gpm is required to adequately irrigate the total 159.5-acres of the golf course eight (8) hours per day.

The applicant proposes to increase the total diversion rate from Lake Kampeska by 1050-gpm (2.34-cfs) to 1800-gpm (4.01-cfs) for the combined Water License No. 6103-3 and this application. The storage pond will only be used in the future to irrigate during urgent situations, but the applicant still wants to maintain the pond's storage at 5 acre-feet. The pond is under ground water influence and should only require infrequent topping in the future to maintain the 5 acre-foot storage. Diversions to the pond should be very infrequent and it can be assumed that in the future the 1.67-cfs diversion authorized by Water License No. 6103-3 will be mainly for direct irrigation of the 159.5 acre golf course.

The applicant is requesting a diversion rate greater than the statutory limitation of 1-cfs per 70 acres irrigated with an annual volume no greater than three (3) acre-feet delivered on the land. Pursuant to South Dakota Codified Law (SDCL) 46-5-6, The Water Management Board *may allow a greater diversion, in volume or rate or both, if the method of irrigation, any time constraints on diversion of water, or the type of soil so requires. However, no annual volume may be greater than three acre-feet per acre delivered to the land.* The golf course is normally irrigated a maximum of eight (8) hours per day during the months of June, July, and August. By limiting irrigation of the golf course to 8 hours per day, the City of Watertown is in effect only using a diversion rate of approximately 1.34-cfs per day. Depending on climatic conditions, irrigation of the golf course may also occur during the months of May and September.

The applicant also proposes changing the diversion point authorized by Water License No. 6103-3 from the NW¼ NW¼ Section 27 to the SW¼ SW¼ Section 22, all T117N R53W (Attachment 1). This proposed change of diversion point should not infringe on prior appropriations from Lake Kampeska.

### **Water Source and Existing Water Rights**

The proposed water source is Lake Kampeska located within the city limits of Watertown, Codington County, South Dakota (SD). Lake Kampeska is a 5,075-acre natural lake formed by glacial processes during the last ice age and is important as a water supply and recreational resource in the area. The lake has a direct surface water connection to the Big Sioux River and a hydrologic connection to the Big Sioux Aquifer, one of the most important aquifers in the state.

It is possible that the Big Sioux River and Lake Kampeska were naturally connected early in their geological history and that surface connection may have been reduced as the river deposited sand and gravel along the northeast portion of the lake. The modern connection is uncertain, but some connection, at least during Big Sioux River flood stages, probably occurred since the late 1800's. The present surface water connection was channeled in the 1930's. This channel has served as both inlet and outlet after the original outlet along the southeast portion of the lake was blocked during the construction of an airport in the 1940's. (Attachment 2)

The Lake Kampeska outlet/inlet structure is located just below the juncture of the Big Sioux River and the lake's outlet/inlet channel. (Attachment 2) Elevation of the lake's outlet/inlet structure is 1717.8-foot mean sea level (fmsl), NGVD of 1929. At stream level elevations greater than 1717.8-fmsl, Big Sioux River water can flow over the outlet/inlet structure and through the channel to the lake if the river's head is greater than that of the lake.

The thickness of the Big Sioux Aquifer around Lake Kampeska varies from six (6) to forty-seven (47) feet with an average of twenty (20) feet for eight (8) test bore holes around the lake. Aquifer recharge can occur from precipitation infiltration and from the Big Sioux River and area lakes when surface water elevations are greater than adjacent ground water levels. Ground water levels can be reduced by evapotranspiration and pumping.

One geologic/hydrologic investigation concluded that in addition to the surface connection, the Big Sioux River is also hydrologically connected to Lake Kampeska via the Big Sioux Aquifer, and therefore, water surface elevations in the river and lake are also affected by water levels in the aquifer and vice versa.

There are seven (7) water appropriations from the Big Sioux Aquifer totaling 4.84-cfs within two (2) miles of the present and proposed diversion points from Lake Kampeska. These Big Sioux Aquifer appropriations should not be adversely affected by this proposed or prior authorized withdrawals from the lake.

The City of Watertown, SD presently holds two (2) water rights for diversion of Lake Kampeska water. Vested Water Right No. 347-3, priority date January 1, 1888, appropriates 2.67-cfs for municipal use and Water Right No. 6103-3, priority date September 3, 2001, appropriates 1.67-

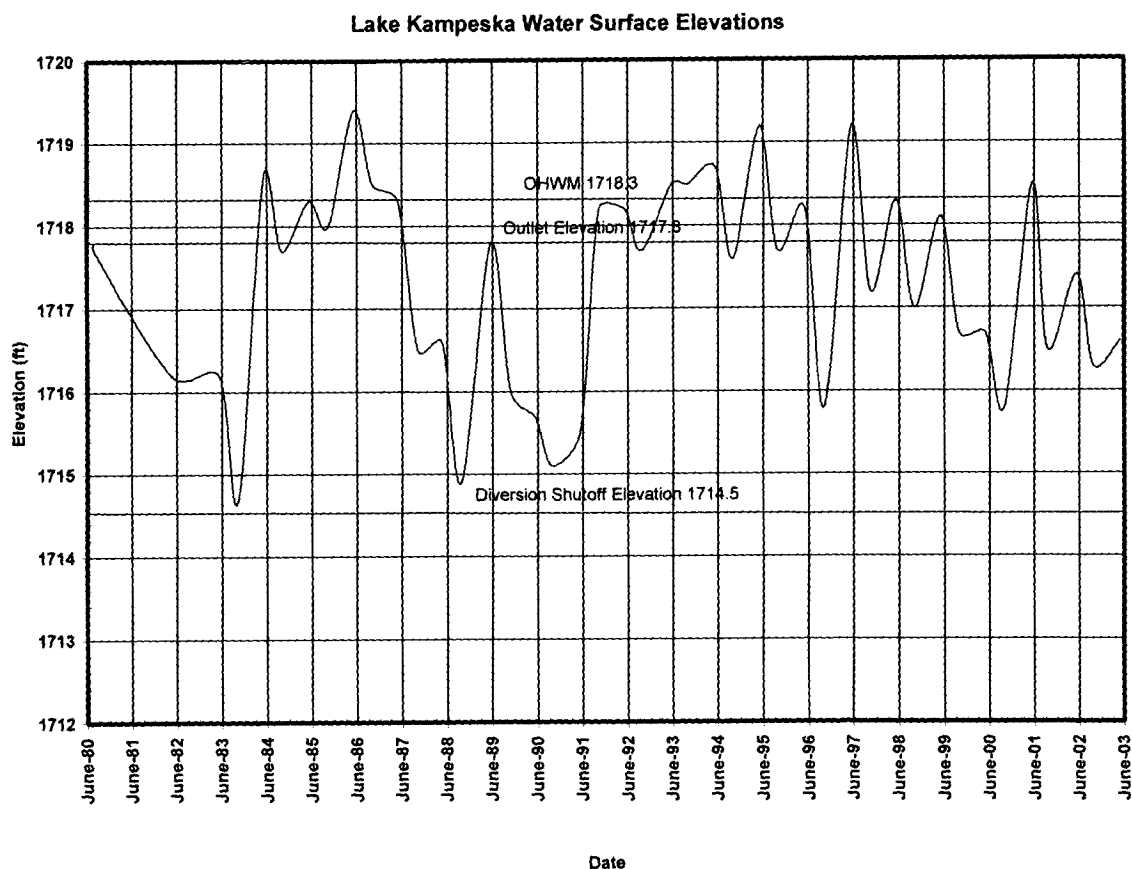
cfs for irrigation use. The South Dakota Department of Game, Fish, and Parks (GF&P) holds Vested Water Right No. 890-3, priority date 1889, for sufficient runoff water to maintain Lake Kampeska's water level at the elevation of the outlet/inlet structure, 1717.8-fmsl.

Water Right No. 6103-3, City of Watertown, authorizes diversion of Lake Kampeska water at the rate of 1.67-cfs for direct irrigation of 109-acres and to maintain a storage pond at the capacity of 5 acre-feet. Water can be diverted from the storage pond at 0.88-cfs to irrigate 51-acres at the Municipal Golf Course. Diversion of Lake Kampeska water under Water Right No. 6103-3 is limited to irrigation of only the golf course greens and tees when the lake's water surface level is at or below 1714.5-fmsl.

The City of Watertown, SD also has Flood Control Permit FC-3 that authorizes lowering of the Lake Kampeska outlet/inlet structure elevation one (1) foot to 1716.8-fmsl.

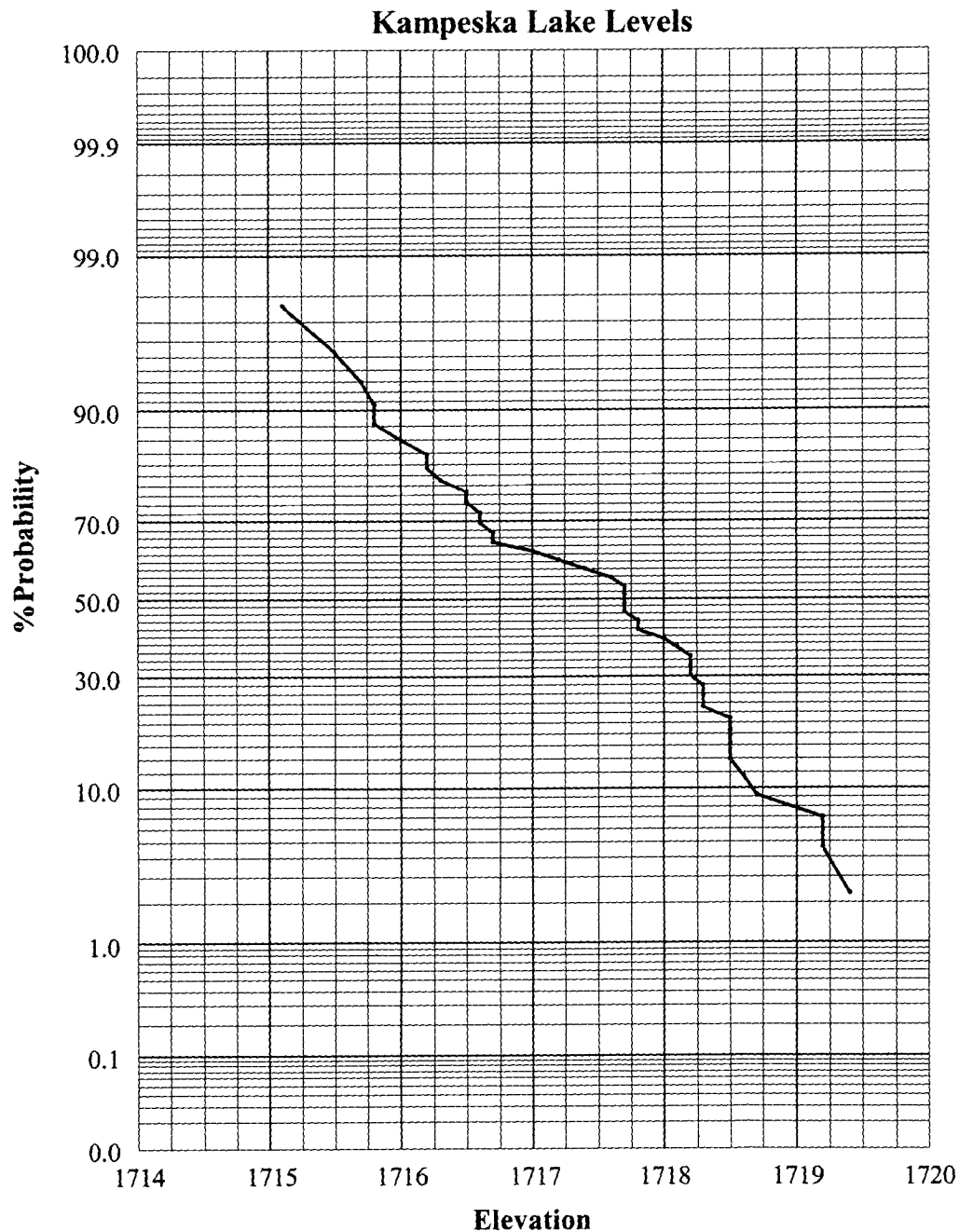
Lake Kampeska surface water elevation data from 1980 to 2003 show there is a 50-percent probability the water level in the lake could be at 1717.7-fmsl or greater. The probability that the lake's water level could be at the outlet/inlet elevation of 1717.8-fmsl or greater is approximately 45-percent. The probability that the lake's water level elevation will be higher than the Water Right No. 6103-3 diversion limitation level of 1714.5-fmsl is greater than 99-percent. (Figures 1 and 2)

**Figure 1. Lake Kampeska Water Surface Elevations**



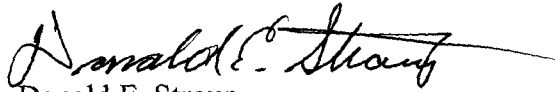
Statistical analyses of Lake Kampeska water surface elevation data indicate there is reasonable expectation that non-appropriated water will be available in the lake except during prolonged periods of diminished precipitation. There is reasonable expectation that increasing the applicant's total diversion rate to 4.01-cfs for irrigating the municipal golf course will not infringe on prior appropriations from Lake Kampeska. Diversions from Lake Kampeska may be subject to shutoff orders as deemed necessary by the Chief Engineer during prolonged periods of diminished precipitation.

**Figure 2. Lake Kampeska Water Elevation Probabilities**



## Conclusions

1. Water Permit Application No. 6436-3, City of Watertown, SD, proposes to change the withdrawal rate and point of diversion of Lake Kampeska water authorized by Water Right No. 6103-3. This application proposes a 2.34-cfs additional appropriation, increasing the total combined withdrawal rate to 4.01-cfs (1800-gpm) from the lake and changing the diversion point from the NW¼ NW¼ Section 27 to the SW¼ SW¼ Section 22, all T117N R53W. The applicant is requesting a diversion rate greater than the statutory limitation of 1-cfs per 70 acres irrigated with an annual volume no greater than three (3) acre-feet delivered on the land. No increase over the 159.5 irrigated acres is requested.
2. Pursuant to South Dakota Codified Law (SDCL) 46-5-6, The Water Management Board *may allow a greater diversion, in volume or rate or both, if the method of irrigation, any time constraints on diversion of water, or the type of soil so requires. However, no annual volume may be greater than three acre-feet per acre delivered to the land.* By limiting irrigation of the golf course to 8 hours per day, the City of Watertown is in effect only using a diversion rate of approximately 1.34-cfs per day.
3. Statistical analyses of Lake Kampeska water surface elevation data indicate there is reasonable expectation that non-appropriated water will be available in the lake except during prolonged periods of diminished precipitation. There is reasonable expectation that this application's total diversion of 4.01-cfs for irrigating the golf course will not infringe on prior appropriations from Lake Kampeska. The proposed change of diversion point should not infringe on Lake Kampeska prior appropriations.
4. Diversions from Lake Kampeska may be subject to shutoff orders as deemed necessary by the Chief Engineer during prolonged periods of diminished precipitation.
5. If approved, this application should contain the following qualifications:
  - Diversions shall be limited only to the amount needed to irrigate the golf course greens and tees when Lake Kampeska water surface elevation is at or below 1714.5-feet mean sea level, NGVD of 1929.
  - Diversions from Lake Kampeska to the storage pond shall be limited to only the amount necessary to maintain 5 acre-feet storage.
  - Irrigation of the 159.5 acre golf course with Lake Kampeska water shall be limited to eight (8) hours per day.
  - The annual volume of water delivered to the land may be no greater than three (3) acre-feet per acre for the specified time (April 1 to October 31) each year.



Donald E. Stroup

Natural Resources Project Engineer

DENR Water Rights Program

Reviewed by:



Mark D. Rath

Natural Resources Engineering Specialist

DENR Water Rights Program

### **References**

South Dakota Department of Environment and Natural Resources, Water Rights Program Records

Water Resources Investigations Report 02-4171, Sediment Accumulation and Distribution in Lake Kampeska, Watertown, SD, U.S. Geological Survey 2002

PSI Plot Analytical and Plotting Software

Verbal communications with Roger Adams, Director of Parks & Recreation, Watertown, SD

# 6436-3  
City of Watertown  
Municipal Golf Course  
PO Box 910  
Watertown, SD 57201  
(605)882-6260

6436-3  
Diversion Point

6103-3  
Diversion Point

T117N R53W

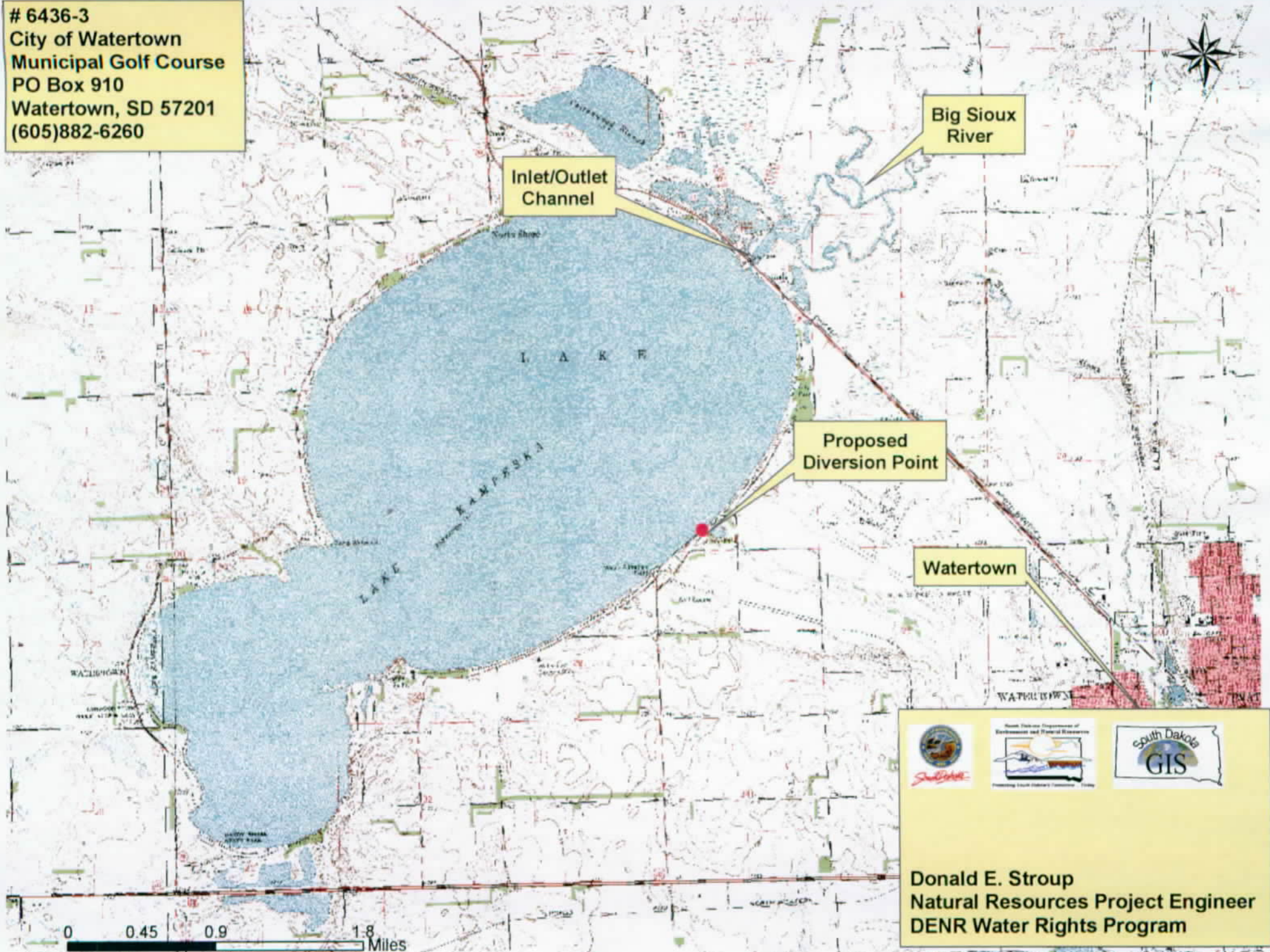
Storage Pond

0 0.25 0.5 Miles



Donald E. Stroup  
Natural Resources Project Engineer  
DNR Water Rights Program

# 6436-3  
City of Watertown  
Municipal Golf Course  
PO Box 910  
Watertown, SD 57201  
(605)882-6260



Logos for the City of Watertown, South Dakota Department of Environment and Natural Resources, and South Dakota GIS.

**Donald E. Stroup**  
Natural Resources Project Engineer  
DNR Water Rights Program



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
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523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT  
APPLICATION NO. 6436-3, City of Watertown**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Environment and Natural Resources concerning Water Permit Application No. 6436-3, City of Watertown, c/o Roger Adams, PO Box 910, Watertown SD 57201.

The Chief Engineer is recommending APPROVAL of Application No. 6436-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Right No. 6103-3 and Permit No. 6436-3, combined, authorize a maximum diversion rate of 4.01 cfs from Lake Kampeska for irrigation of 159.5 acres. Irrigation of the golf course is limited to 8 hours per day. The annual volume shall not exceed 3 acre feet of water per acre per year.
2. South Dakota Department of Game, Fish and Parks holds Vested Water Right No. 890-3 for storage of water in Lake Kampeska. Diversions authorized by Right No. 6103-3 and Permit No. 6436-3 shall be limited when the lake level is at or below elevation 1714.5 feet mean sea level to irrigation of only the golf course greens and tees.
3. Diversions of water from Lake Kampeska to the pond with a 5 acre foot storage capacity as authorized by Water Right No. 6103-3, and shall be limited to the amount necessary to maintain the pond's water level.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer  
August 26, 2003



DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES

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[www.state.sd.us/denr](http://www.state.sd.us/denr)

August 27, 2003

Public Opinion  
PO Box 10  
Watertown SD 57201-0010

ATTENTION: Legal Public Notice

Enclosed is a Notice of Hearing on Application No. 6436-3 to Appropriate Water to be published twice. Please publish the first notice on September 4, 2003 with the second publication 7 days later.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is City of Watertown – Municipal Golf Course, % Roger Adams, PO Box 910, Watertown SD (Ph # 605-882-6260).

**Please send the Water Rights Program the first publication immediately.** The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund  
Natural Resources Engineer  
605 773-3352

enclosures

CUT HERE

No. 6436-3

TO: Eric Gronlund  
Water Rights Program  
Joe Foss Building  
Pierre SD 57501-3181

Date \_\_\_\_\_

We are in receipt of your letter of August 27, 2003 enclosing Notice of Hearing to Appropriate Water by Application No. 6436-3 which was first published in our issue of \_\_\_\_\_. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name \_\_\_\_\_

Newspaper \_\_\_\_\_



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182

[www.state.sd.us/denr](http://www.state.sd.us/denr)

NOTE: TO BE SURE OF PUBLICATION ON  
THE CORRECT DATES, CONTACT  
THE NEWSPAPER RIGHT AWAY.

August 27, 2003

City of Watertown Municipal Golf Course  
% Roger Adams  
PO Box 910  
Watertown SD 57201

Dear Mr. Adams:

Water Permit Application No. 6436-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Public Opinion printed at Watertown, SD (Ph # 605-886-6901). You will need to contact the newspaper and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and a report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization, the publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has also been instructed to send us the Proof of Publication. We must receive Proof of Publication before action can be taken on the application.

Sincerely,

Eric Gronlund  
Natural Resources Engineer  
(605) 773-3352

enclosures

NOTE: If you plan to contest any part of the Chief Engineer's recommendation, you must file a petition pursuant to the procedures outlined in the attached notice of hearing. The Water Management Board will then consider your concerns during a hearing on the application.

Instruction to Newspaper - Publish first Notice on September 4, 2003 with the second publication 7 days later. The applicant is responsible for payment.

---

## NOTICE OF HEARING ON APPLICATION NO. 6436-3 to Appropriate Water

Notice is given that the City of Watertown, Municipal Golf Course, PO Box 910, Watertown SD 57201 has filed an application for a water permit to appropriate 2.34 cubic feet of water per second (cfs) by increasing the diversion rate and changing the location of the diversion point authorized by Water Right No. 6103-3. Water Right No. 6103-3 authorizes 1.67 cfs from Lake Kampeska located in the NW ¼ NW ¼ Section 27 to irrigate 159.5 acres of the golf course located in the N ½ Section 27; all in T117N-R53W. Water can be diverted directly from the lake for irrigation or to a pond prior to irrigation of the golf course. This application requests to appropriate an additional 2.34 cfs from Lake Kampeska and to change the location of the diversion point to the SW ¼ SW ¼ Section 22-T117N-R53W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres and an annual volume of three acre feet per acre delivered to the land. The application does not request an increase in the number of acres irrigated.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6436-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by September 22, 2003. The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

The Water Management Board will consider this application at 10:00 A.M. October 1, 2003 in the Matthew Training Center, Foss Building, 523 E Capitol Ave., Pierre SD. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application based on the facts presented at the public hearing. The October 1, 2003 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from the applicant or any interested person opposing the application. The request for an automatic delay must be filed by September 22, 2003.

Any hearing may be an adversarial proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer and may present evidence or cross-examine witnesses according to SDCL 1-26. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. Contact Eric Gronlund by September 22, 2003, at the above Water Rights Program address to request copies of information pertaining to this application, to assure access to the hearing by the handicapped or to obtain an interpreter for the hearing impaired.

This application is made pursuant to SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-16; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15, 46-2A-20, 46-2A-21; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

**PROOF OF PUBLICATION**STATE OF SOUTH DAKOTA )  
) SSCounty of CODINGTON )I, MONICA K. SAATHOFFcertify that the attached printed Notice was  
takenfrom the WATERTOWN PUBLIC OPINIONprinted and published in WATERTOWNCounty of CODINGTON and

state of South Dakota. The notice was published

in the newspaper on the following two dates:

9-4-039-11-03Cost of Printing 156.60Monica K Saathoff  
(Signature)BOOKKEEPER

(Title)

9-11-2003

(Date Signed)

change the location of the diversion point to the SW 1/4 SW 1/4 Section 22-T117N-R53W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres and an annual volume of three acre feet per acre delivered to the land. The application does not request an increase in the number of acres irrigated.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6436-3 because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest.

Any person interested in opposing or supporting this application must file a written petition with BOTH the applicant and Chief Engineer. The applicant must also file a petition if opposed to the Chief Engineer's recommendation. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E. Capitol, Pierre, SD 57501 (605 773-3352)" and the applicant's mailing address is given above. A petition filed by either an interested person or the applicant must be filed by September 22, 2003. The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reasons for opposing or supporting the application, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

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(September 4, 11, 2003)

\$ 156.60

**DENR****NOTICE OF HEARING ON APPLICATION NO. 6436-3 to Appropriate Water**

Notice is given that the City of Watertown, Municipal Golf Course, PO Box 910, Watertown, SD 57201 has filed an application for a water permit to appropriate 2.34 cubic feet of water per second (cfs) by increasing the diversion rate and changing the location of the diversion point authorized by Water Right No. 6103-3. Water Right No. 6103-3 authorizes 1.67 cfs from Lake Kampeska located in the NW 1/4 NW 1/4 Section 27 to irrigate 159.5 acres of the golf course located in the N 1/2 Section 27; all in T117N-R53W. Water can be diverted directly from the lake for irrigation or to a pond prior to irrigation of the golf course. This application requests to appropriate an additional 2.34 cfs from Lake Kampeska and to

**RECEIVED****SEP 16 2003****WATER RIGHTS  
PROGRAM**



APR 23 2004

**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

PMB 2020  
JOE FOSS BUILDING  
523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

City of Watertown  
%Roger Adams  
PO Box 910  
Watertown SD 57201

Dear Mr. Adams:

Enclosed is Water Permit No. 6436-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Form 10, *Notice of Completion of Works and Application of Water to Beneficial Use*, is enclosed. Please return this completed form after you have finished the system and have put the water to beneficial use. An investigation can then be scheduled so the water license may be issued, thus completing the acquisition of a water right.

An informational sheet *Common Water Right Questions?* is also enclosed. This sheet is intended to answer some of the questions associated with obtaining and keeping a water right.

Sincerely,

A handwritten signature in cursive script that reads "Garland Erbele".

Garland Erbele, Chief Engineer  
Water Rights Program  
(605) 773-3352

enclosures

NOTICE OF COMPLETION OF WORKS AND  
APPLICATION OF WATER TO BENEFICIAL USE

Date

8-19-04

TO: Water Rights Program, DENR  
523 E. Capitol  
Pierre, SD 57501-3181

FROM:

City of Watertown - Municipal G.H. Course  
(name)P.O. Box 910  
(address)Watertown, S.D. 57201 (city, state, zip) (605) 882-6260 (phone)

I have completed the construction of the water use system and I have put the water to beneficial use to the maximum extent it is going to be used.

Water Permit No. 6436-3 states that the water use system is to be constructed by

Oct. 1, 2006  
(date), and water is to be put to beneficial use by Oct. 1, 2012  
(date)

The water use system was completed on

Aug. 16, 2004  
(date)

Applying the water to beneficial use was completed on

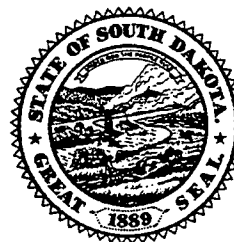
Aug. 16, 2004  
(date)

You may schedule an investigation so that the water license may be issued.

Roger Adams, Dir. Park & Rec. Dept.  
(signature)

RECEIVED

AUG 19 2004

WATER RIGHTS  
PROGRAM

**Permit No. 6436-3**  
**Sioux River - Water District**

**Report of Examination of Works and/or Application of Water to Beneficial Use**

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, **October 25, 2005**, made a thorough examination of the water use system constructed by **City of Watertown, Municipal Golf Course of P. O. Box 910, Watertown, SD 57201** holder of Permit No. **6436-3**, bearing the priority of **July 31, 2003** authorizing the diversion of **2.34** cu. ft. per second of the waters of **Lake Kampeska** for **Irrigation** purposes, in **Codington** County.

Inspection contact & relationship to permit holder, if applicable: **Bill Anderson (882-6263)**

**A. Works used to divert the water:**

**Pump:**

- 1) Make **(3) Flowtronex Pumps**
- 2) Model **11CLC (Serial Numbers: 12815-1, 12815-2 and 12815-3)**
- 3) Capacity 1800 gpm

**Motor:**

- 1) Make **(3) US Motor**
- 2) Model No. **BF56A**
- 3) Horsepower rating **60** hp

**B. Compliance with Permit Requirements:**

- 1) Permit qualifications being abided by **Y**
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period **Y**
- 3) Exceptions to compliance are: **None**

The system is in **excellent** condition with the point(s) of diversion located as follows: **Approximately 60 feet north and 780 feet east of the SW corner of Section 22-T117N-R53W (N 44.919516, W -97.18498)**. The works are capable of diverting and conveying to the place of use **4.01** cu. ft. per second of water which is to be used for **irrigation of the municipal golf course authorized by Water Right No. 6103-3**.

Water has been put to beneficial use to the maximum extent as follows:

**Section 27-T117N-R53W**

|                        |                       |
|------------------------|-----------------------|
| NW1/4 NW1/4-14.5 acres | NW1/4 NE1/4-21 acres  |
| NE1/4 NW1/4-27.5 acres | NE1/4 NE1/4-19 acres  |
| SE1/4 NW1/4-33 acres   | SE1/4 NE1/4-5 acres   |
| SW1/4 NW1/4-34 acres   | SW1/4 NE1/4-5.5 acres |

Comprising a total of **159.5** acres of land and the license should be issued for ~~2.34~~ cfs.

All structures, wells and lands on map **Y**

4.01  


Comments or other permit(s) associated with the project:

Water Permit No. 6436-3 appropriates an additional 2.34 cfs of water from Lake Kampeska and changes the diversion point from the NW1/4 NW1/4 Section 27 to the SW1/4 SW1/4 Section 22, authorized by Water Right No. 6103-3 all in T117N-R53W. Water Right No. 6103-3 authorizes 1.67 cfs from Lake Kampeska to irrigate 159.5 acres of the golf course located in the N1/2 Section 27 T117N-R53W. The applicant is not requesting an increase in irrigated acres. This application increases the total combined withdrawal to 4.01 cfs (1800 gpm). Water Right No. 6103-3 should be incorporated into Water Permit No. 6436-3 while each retaining their original priority dates of September 25, 1998 and July 7, 2003.



Mike DeFea  
Natural Resource Project Engineer  
DENR, Water Rights Program

Date report completed: **February 8, 2006**

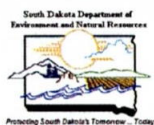
City of Watertown, Municipal Golf Course  
P.O. Box 910  
Watertown, SD 57201  
(605) 882-6260

Water Permit No. 6436-3



*Mike DeFea*

Mike DeFea  
Natural Resources Project Engineer  
DENR Water Rights Program  
February 9, 2006



0 0.125 0.25 0.5 Miles



**DEPARTMENT of ENVIRONMENT  
and NATURAL RESOURCES**

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523 EAST CAPITOL  
PIERRE, SOUTH DAKOTA 57501-3182  
[www.state.sd.us/denr](http://www.state.sd.us/denr)

JUN 12 2006

6103-3

6218-3

6436-3

6500-3

City of Watertown  
c/o Roger Adams  
PO Box 910  
Watertown SD 57201-0910

Dear Mr. Adams:

Enclosed are Water License Nos. 6218-3, 6436-3 and 6500-3 (maps included). These are the final water right documents completing the city's process of obtaining a Water Right.

As long as the city uses the water beneficially, as stated in the Water Licenses, State Water Laws provide that you have a continuing right to use the water.

Sincerely,

Garland Erbele, Chief Engineer  
Water Rights Program  
(605) 773-3352

Note: The applicable portions of No. 6103-3 are incorporated into Water License No. 6436-3.

enclosures

**STATE OF SOUTH DAKOTA  
WATER LICENSE NO. 6436-3**

(1) City of Watertown, Municipal Golf Course, PO Box 910, Watertown SD 57201 made Application No. 6436-3, July 31, 2003 for a water permit to divert 2.34 cubic feet of water per second (cfs) from Lake Kampeska, Codington County, South Dakota for irrigation purposes. Permit No. 6436-3, with a priority date of July 31, 2003 was approved October 1, 2003 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before October 1, 2008 and for the application to beneficial use of water on or before October 1, 2012.

Water Right No. 6103-3 with a priority date of September 25, 1998, authorizes 1.67 cfs from Lake Kampeska to irrigate 159.5 acres. Water Permit No. 6436-3 authorizes an increase in the diversion rate and a change in location of the diversion point authorized by No. 6103-3. The applicable portions of No. 6103-3 are incorporated into No. 6436-3.

(2) The water supply system has been completed and water applied to beneficial use in accordance with South Dakota State Law. Pursuant to South Dakota Codified Law 46-5-30.1, the holder and/or owner of Incorporated Water Right No. 6436-3 is issued a license, bearing priority dates of September 25, 1998 (1.67 cfs) and July 31, 2003 (2.34 cfs) to appropriate 4.01 cubic feet of water per second from Lake Kampeska to irrigate 159.5 acres.

The diversion points are as follows: Lake Kampeska - 60 feet north and 780 feet east of the southwest corner (SW ¼ SW ¼) and storage pond - 1,290 feet west and 810 feet south from the northeast corner (NE ¼ NE ¼); all in Section 22-T117N-R53W. The acres authorized for irrigation are as follows:

| Section 27-T117N-R53W |            |           |           |
|-----------------------|------------|-----------|-----------|
| NW ¼ NW ¼             | 14.5 acres | NW ¼ NE ¼ | 21 acres  |
| NE ¼ NW ¼             | 27.5 acres | NE ¼ NE ¼ | 19 acres  |
| SE ¼ NW ¼             | 33.0 acres | SE ¼ NE ¼ | 5.0 acres |
| SW ¼ NW ¼             | 34.0 acres | SW ¼ NE ¼ | 5.5 acres |
| Total 159.5 acres     |            |           |           |

(3) This license is subject to South Dakota Water Law, any limitations or conditions listed in Water Permit No. 6436-3 including the following now applicable qualifications:

- Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Nos. 6103-3 and 6436-3, combined, authorize a maximum diversion rate of 4.01 cfs from Lake Kampeska for irrigation of 159.5 acres. Irrigation of the golf course is limited to 8 hours per day. The annual volume shall not exceed 3 acre feet of water per acre per year.
- South Dakota Department of Game, Fish and Parks holds Vested Water Right No. 890-3 for storage of water in Lake Kampeska. Diversions authorized by Nos. 6103-3 and 6436-3 shall be limited when the lake level is at or below elevation 1714.5 feet mean sea level to irrigation of only the golf course greens and tees.
- Diversions of water from Lake Kampeska to the pond with a 5 acre foot storage capacity as authorized by No. 6103-3, and shall be limited to the amount necessary to maintain the pond's water level.
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



Garland Erbele, Chief Engineer  
Water Rights Program  
Department of Environment and Natural Resources

JUN 12 2006

date





## WATERTOWN MUNICIPAL UTILITIES

901 • 4TH AVENUE SW • WATERTOWN, SD 57201-4107

PHONE: (605) 882-6233 • FAX: (605) 882-6238

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JUN 25 2021

WATER RIGHTS  
PROGRAM

June 23, 2021

Eric Gronlund  
Department of Agriculture and Natural Resources  
Water Rights Program  
523 East Capitol  
Pierre, SD 57501-3182

Dear Eric,

I sadly announce to you that after thirty-three years of service with the Watertown Municipal Utilities, our dedicated and hard-working Water Superintendent, Jeff DeVille, will be retiring effective June 30, 2021. We greet Mr. DeVille's retirement with sorrow, but we are also happy Jeff can now enjoy his own time. Jeff has been a great asset to the Water Department here at the Watertown Municipal Utilities and will be greatly missed.

I would like to introduce our new Water Superintendent Wayne Lovelis. Wayne has been training under Jeff for the past two months and comes with much experience. He has over 25 years in the water/utility industry. He has spent the last six years with The City of Great Falls, Montana. He will take over the reins as Water Superintendent along with the duties of being the correspondent for the Water Rights and Diversion Structure under FC29. Feel free to contact Wayne at any time.

See below Wayne's contact information.

Watertown Municipal Utilities  
Wayne Lovelis, Water Superintendent  
901 4<sup>th</sup> Ave SW  
Watertown, SD 57201  
[wlovelis@watertownmu.com](mailto:wlovelis@watertownmu.com)  
605-882-6233 phone  
605-882-6239 fax

Best regards,

Steve Lehner, General Manager  
Watertown Municipal Utilities