

WATER PERMIT NO. 6210A-3

Name of Applicant: City of Sioux Falls

Address: 100 E 6th St, Sioux Falls SD 57104

Phone: 605 201-1767

Amount of Water Claimed: no additional

Total Acres: 238

Source of Water Supply: Big Sioux River

Water to be used for: irrigation

County: Minnehaha

Type of Waste Disposal System:

Location: in city limits

PRIORITY

Date Received: 10-2-17

Application/License Fee: \$ 300

Corrected Application Received:

Period of Annual Use: January 1 - December 31

Remarks: Adding irrigation use and an additional diversion point to No. 6210-3

Diversion Point: SE 1/4 SW 1/4 Sec 6-T101N-
R49W

Land to be Irrigated: Elmwood Golf Course

Depth of Well: NA

Well Driller:

Remarks:

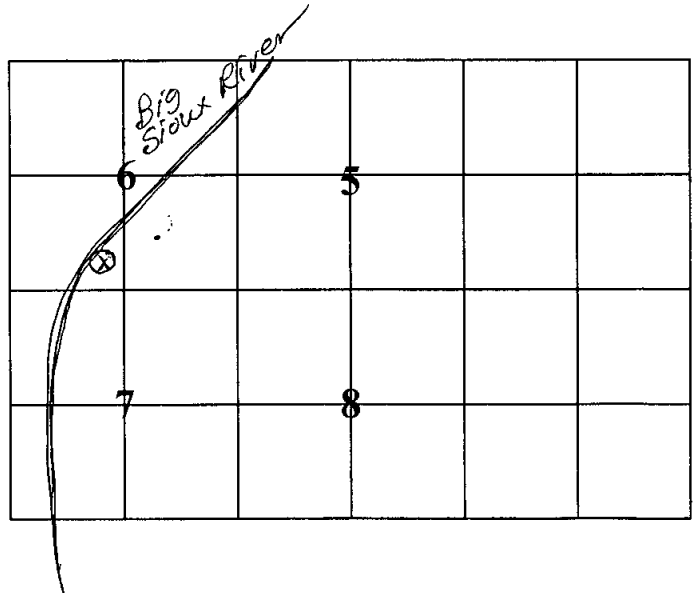
Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 10-2-17

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____



RECEIVED
OCT 02 2017
WATER RIGHTS
PROGRAM

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>6210A-3</u>	(office use only) Hydrologic Unit <u>10170203</u>
	Basin <u>Sioux River</u>	
	Newspaper <u>Argus Leader</u>	

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☐ New ☐ Vested Right ☒ Amendment/Correction to Permit No. 6210-3
(Use predates Mar 2, 1955)

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

Additional irrigation use and add diversion point1. Name to Appear on Irrigation Permit City of Sioux Falls

Note: The "Name to Appear on Irrigation Permit" must be the name in which the property to be irrigated is held in.

Mailing Address 100 East 6th Street Sioux Falls SD 57104-5929
(Address) (City) (State) (Zip Code)

Phone 605-367-8217 Mobile 605-201-1767 Email tmiedema@siouxfalls.org

2. Amount of water claimed no add'l *CFS or **GPM ***AF Total Acreage 238
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Big Sioux River

4. Location of point of diversion 2170 feet east and 650 feet north of the SW corner of Section 6-T101N-R49W
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
(SE1/4 SW1/4) County Minnehaha

5. County or counties where water will be used Minnehaha County6. Annual period during which water is to be used Municipal- year-round / Irrigation- April to mid-November

7. 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
Elmwood Golf Course			
(See attached sheet)			

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

See attached sheet.

I, Tory Miedema Park Development Specialist, the applicant, certify under
Name of Person Title (if applicable)

penalty of perjury that I have read this application, examined the attached map, and that the matters stated are true. I further certify, if acting on behalf of an entity or individual other than myself, that I am authorized to submit this application.

SOUTH DAKOTA
WATER PERMIT NO. 6210A-3

Date of first receipt of application October 2, 2017.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6210A-3 to City of Sioux Falls, c/o Tory Miedema, Park Development Specialist, 100 East 6th St, Sioux Falls SD 57104 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. 6210A-3 amends Water Right No. 6210-3 by adding a diversion point and irrigation use. Water Right No. 6210-3 appropriates 20,000 acre-feet annually at a maximum pump rate of 69.6 cubic feet of water per second (cfs) from the Big Sioux River located in the NW 1/4 NE 1/4 Section 32-T102N-R49W for municipal use. This permit authorizes an additional diversion point from the Big Sioux River located in the SE 1/4 SW 1/4 Section 6-T101N-R49W to irrigate 238 acres at the Elmwood Golf Course located in the W 1/2 SE 1/4, SE 1/4 SW 1/4 Section 6, E 1/2 NW 1/4, NE 1/4, N 1/2 SE 1/4, NE 1/4 SW 1/4 Section 7 and the W 1/2 NW 1/4, NW 1/4 SW 1/4 Section 8; all in T101N-R49W. Water will be diverted from the Big Sioux River to two regulating ponds at a rate up to 2.23 cfs. The combined pump rate from the two ponds for irrigation of the golf course will be 4.68 cfs. No increase in diversion rate or the annual volume of water appropriated by Water Right No. 6210-3 is authorized. The golf course is also authorized for irrigation from groundwater under Water Right No. 5556-3.
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 – November 15 (irrigation use).
3. The date from which applicant may claim right is June 6, 1977.
4. The date of approval of Permit No. 6210A-3 is November 6, 2017.
5. One-fifth of the construction is to be completed on or before May 6, 2020.
6. All construction is to be completed on or before November 6, 2022.
7. Water is to be put to beneficial use on or before November 6, 2026.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. Low flows as needed for downstream domestic use, including livestock water and prior rights must be bypassed. This permit does not authorize diversion of water from the Big Sioux River unless at least 20 cfs is flowing when pumping at the Big Sioux River at Sioux Falls USGS gaging station No. 0648200, or unless written orders have been issued by the Chief Engineer. Diversions under this permit are subject to senior water rights and any written orders issued by the Chief Engineer.
2. The city of Sioux Falls shall report to the Chief Engineer the amount of water withdrawn from the Big Sioux River for Permit No. 6210A-3 on the annual irrigation questionnaire separate from the amount reported for the municipal use under Water Right Nos. 6210-3 and 5556-3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

(continued)

3. 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, Permit No. 6210A-3 authorizes a maximum diversion rate from the two regulating ponds of 4.68 cfs for the irrigation of 238 acres with an annual volume not to exceed 3 acre feet of water per acre per year.

WATER MANAGEMENT BOARD

By: *Jeanne Goodman*
Jeanne Goodman, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

NOV 15 2017
date



Amendment to the qualifications contained in Water Right No. 6210A-3

Deleted Qualification:

- Low flows as needed for downstream domestic use, including livestock water and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River unless at least 20 cfs is flowing when pumping at the Big Sioux River at Sioux Falls USGS Gaging Station No. 0648200, or unless written orders have been issued by the Chief Engineer. Diversions under this Permit are subject to senior water rights and any written orders issued by the Chief Engineer.

New Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06482020 at North Cliff Avenue when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

May 22, 2018

NOTICE OF ENTRY OF ORDER

5512-3 5698-3 6210A-3

City of Sioux Falls
Kelby Mieras
100 E 6th St
Sioux Falls SD 57104

Dear Ms. Mieras:

I am writing in response to action taken by the Water Management Board on May 3, 2018, regarding the Hearing to Amend the Bypass Qualifications on Big Sioux River water rights.

Attached is the qualification that was deleted from your water right and the new qualifications.

This amendment designates a US Geological Survey gaging station as the measuring point to determine if pumping is allowed. The gaging station has real time flow information that can be accessed online at <https://waterdata.usgs.gov/sd/nwis/rt>. However, the water right is also subject to written orders of the Chief Engineer regardless of the bypass criteria.

If you have questions concerning the Board action or your water right(s), please contact Mark Rath with our program at 605 773-3352 or mark.rath@state.sd.us.

Sincerely,

Jeanne Goodman, Chief Engineer
Water Rights Program

enclosure

cc: Diane Best, Assistant City Attorney, City of Sioux Falls

CERTIFICATION

I hereby certify that on May 22, 2018, I have personally deposited with the United States mail at Pierre, South Dakota, first class postage, prepaid envelopes containing a Notice of Entry of Order dated May 22, 2018 regarding amending bypass qualifications on Big Sioux River water rights addressed as stated below:

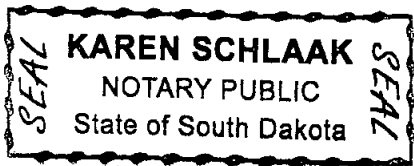
Elaine Ahlers, PO Box 186, Flandreau SD 57028
Adam Wiese, Operator, 22603 479th Ave, Flandreau SD 57028
Chad Anderson, 47880 244th St, Dell Rapids SD 57022
Ronnie J Boever, 47948 232nd St, Flandreau SD 57028
Brian Burkhart, 24482 482nd Ave, Dell Rapids SD 57022
Jim Czech, Operator, 45767 177th St, Watertown SD 57201
Marvin & Maxine Czech, 45848 176th St, Watertown SD 57201
Dell Rocky Run Golf Course, 47364 Golf View Drive, Dell Rapids SD 57022
Allen Fugere, Operator, 700 N Main, Estelline SD 57234
W J Sanderson & Alan Blum, 703 1st Ave S, Estherville IA 51334
Darren & Allison Hamilton, 22615 480th Ave, Flandreau SD 57028
Wayne Headrick, 47926 SD Hwy 32, Flandreau SD 57028
Mrs. Raymond D Jensen & Scott Jensen, Operator, 24348 478th Ave, Dell Rapids SD 57022
Larry J Jorgenson, 24048 477th Ave, Trent SD 57065
Ted Lacey, 24064 478th Ave, Trent SD 57065
Thomas A & Patricia K Munk Revocable Living Trust, 15683 State Hwy 105, Austin MN 55912
City of Sioux Falls, Greg Anderson, 224 W 9th St, Sioux Falls SD 57102
City of Sioux Falls, Kelby Mieras, 100 E 6th St, Sioux Falls SD 57104
Diane Best, Assistant City Attorney, City of Sioux Falls, PO Box 7402, Sioux Falls SD 57117-7402

Vickie Maberry
Vickie Maberry
Secretary/Water Rights

[illegible]

Sworn to, before me, this 22nd day of May, 2018.

Karen Schlaak
Karen Schlaak
Notary Public
My Commission expires April 1, 2019



7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.

Section 6, T101N, R49W

- NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 5 acres
- SW $\frac{1}{4}$ SE $\frac{1}{4}$ - 33 acres
- SE $\frac{1}{4}$ SW $\frac{1}{4}$ - 5 acres

Section 7, T101N, R49W

- NE $\frac{1}{4}$ NW $\frac{1}{4}$ - 20 acres
- SE $\frac{1}{4}$ NW $\frac{1}{4}$ - 27 acres
- SW $\frac{1}{4}$ NE $\frac{1}{4}$ - 36 acres
- NW $\frac{1}{4}$ NE $\frac{1}{4}$ - 37 acres
- NE $\frac{1}{4}$ NE $\frac{1}{4}$ - 14 acres
- SE $\frac{1}{4}$ NE $\frac{1}{4}$ - 35 acres
- NE $\frac{1}{4}$ SE $\frac{1}{4}$ - 4 acres
- NW $\frac{1}{4}$ SE $\frac{1}{4}$ - 11 acres
- NE $\frac{1}{4}$ SW $\frac{1}{4}$ - 2 acres

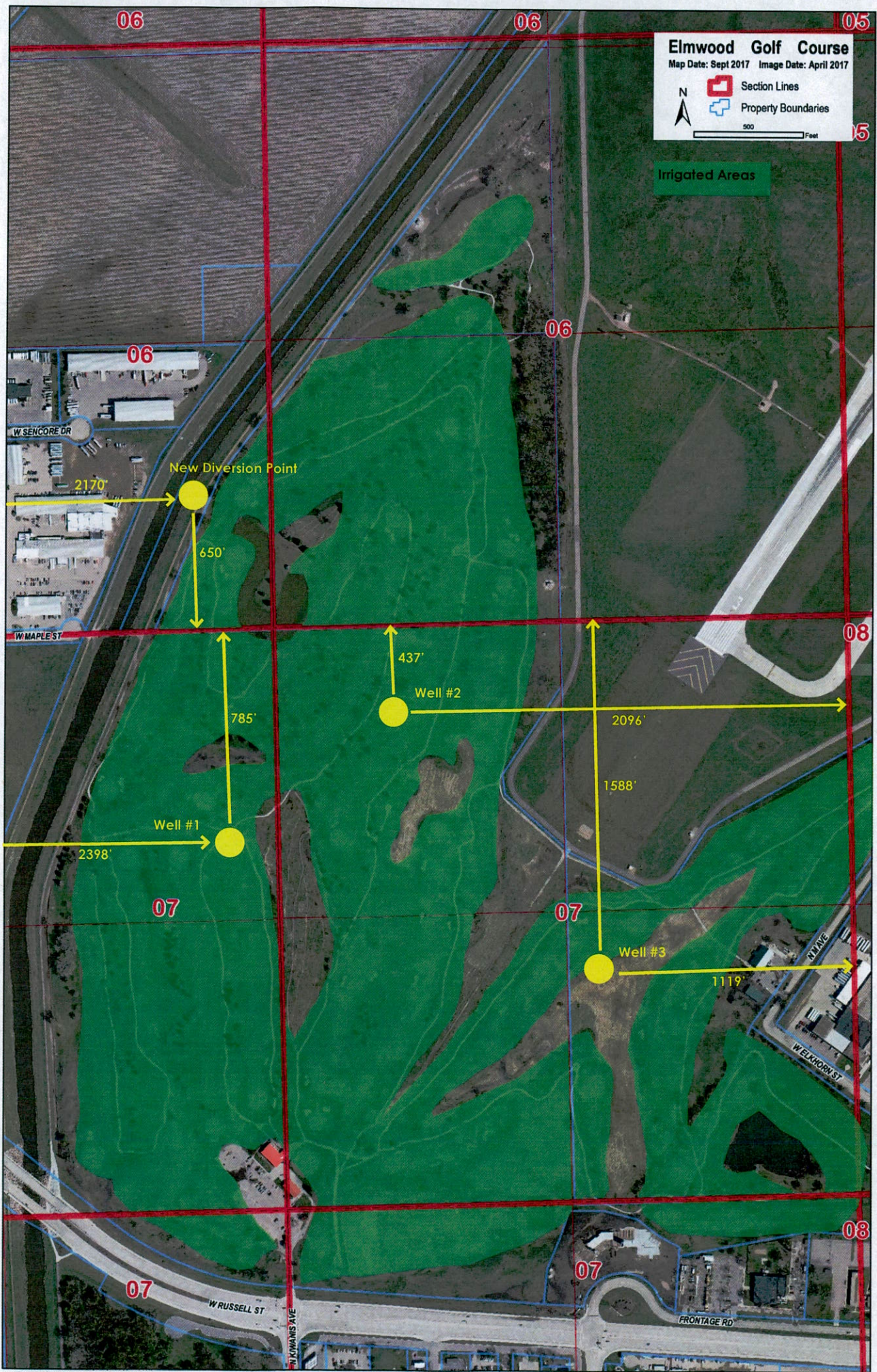
Section 8, T101N, R49W

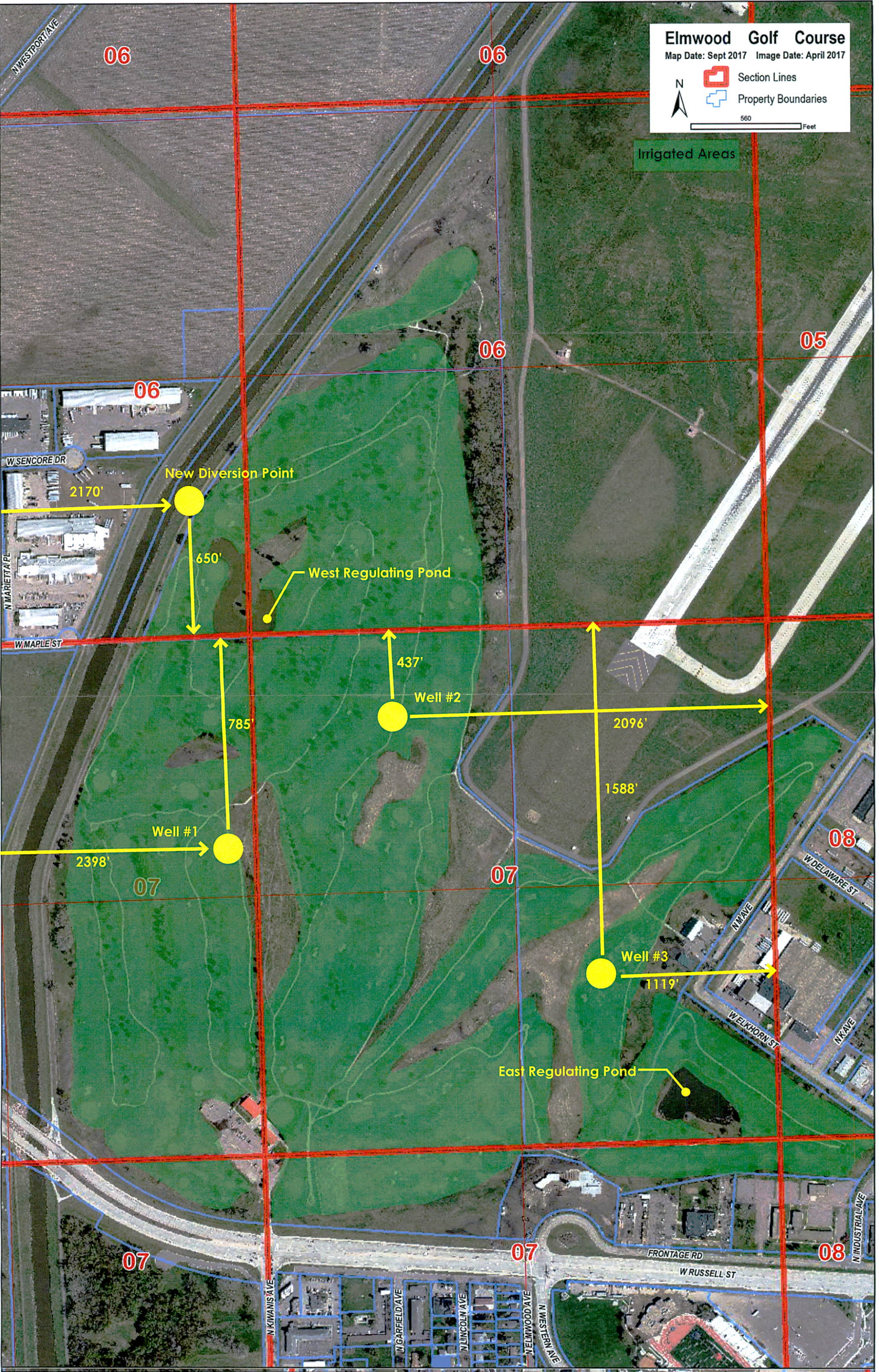
- NW $\frac{1}{4}$ NW $\frac{1}{4}$ - 4 acres
- SW $\frac{1}{4}$ NW $\frac{1}{4}$ - 3 acres
- NW $\frac{1}{4}$ SW $\frac{1}{4}$ - 2 acres

Total acres irrigated- 238 acres

8. Give a description of the project.

The City of Sioux Falls currently holds Water License 6210-3 for municipal use. The City of Sioux Falls also currently holds Water Licenses 4232-3 and 5556-3 for irrigation use for the Elmwood Golf Course. Due to periodic downtime we have experienced with our irrigation wells and temporary drought conditions during the summer months, the City sees a need for a backup supply of water as needed during these times. The City is seeking to apply to add irrigation use to the existing Water License 6210-3. No additional water rights are being requested. We are proposing to utilize the same regulating ponds for this backup source as is currently utilized for the Water Licenses 4232-3 and 5556-3. The regulating pond for water license 5556-3 has a surface area of 81,500 SF and an estimated capacity of 5,215,000 gallons. The regulating pond for water license 4232-3 has a surface area of 86,300 SF and an estimated capacity of 2,600,000 gallons. These ponds are piped together and have the ability to feed either system. The maximum pump rate to recharge the regulating ponds from the requested additional diversion point is 1,000 GPM. The pump rate for the west Elmwood Golf Course irrigation system is 1,400 GPM and 700 GPM for the east system.





Elmwood Golf Course

Map Date: Sept 2017 Image Date: April 2017

N

Section Lines

Property Boundaries

560

Feet

Irrigated Areas

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date October 2, 20 17

RECEIVED OF City Of Sioux Falls

The following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>6210A-3</u> to Appropriate Water, to construct and to put water to beneficial use	100	00
Fee for Application for Permit No. _____ to Appropriate Water for Future use		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>6210A-3</u>	200	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	300 00

No. **08341**

By Jeanne Goodman
Chief Engineer *vm*

Schlaak, Karen

From: Miedema, Tory <TMiedema@SIOUXFALLS.org>
Sent: Thursday, September 28, 2017 1:00 PM
To: Gronlund, Eric
Cc: Schlaak, Karen
Subject: RE: [EXT] City of Sioux use of Big Sioux River under the city's existing municipal water right.

Eric,

I didn't notice the little pieces that were cut off in Section 8. I will zoom out and include those pieces. As for the ponds, you are correct. The one near the BSR diversion point is for the championship 18-holes(North and West) and the one in Section 7 is for the East 9. They are piped together for flexibility, but normally run separately. The championship pond has a surface area of 81,500 SF and an estimated capacity of 5,215,000 gallons. The East 9 pond has a surface area of 86,300 SF and an estimated capacity of 2,600,000 gallons. Do I need to include that in the description?

Thanks.

From: Gronlund, Eric [mailto:Eric.Gronlund@state.sd.us]
Sent: Wednesday, September 27, 2017 3:37 PM
To: Miedema, Tory <TMiedema@SIOUXFALLS.org>
Cc: Schlaak, Karen <Karen.Schlaak@state.sd.us>
Subject: RE: City of Sioux use of Big Sioux River under the city's existing municipal water right.

Tory:

That is the correct fee.

I would sign and send along with the fee by mail.

Does the map accurately show all the area to be irrigated? There appears to be a portion along the east side of Section 7 going into Section 8 that is cut-off.

The description of the project indicates regulating ponds. Are they the two ponds, on just to the southeast of the Big Sioux River diversion point and the other in the SE ¼ NE ¼ Section 7? If so what is the surface area, maximum depth and estimated storage capacity of each pond?

Eric

From: Miedema, Tory [mailto:TMiedema@SIOUXFALLS.org]
Sent: Wednesday, September 27, 2017 12:47 PM
To: Gronlund, Eric
Subject: RE: [EXT] City of Sioux use of Big Sioux River under the city's existing municipal water right.

Eric,

Could you check out the attached and let me know if it looks ok to submit? How much would the application cost? I think you said \$300, but I just wanted to make sure before I got a check cut. Do I print everything and send to you, or can I submit via email? Thanks again for all the help.

Thanks.

From: Gronlund, Eric [<mailto:Eric.Gronlund@state.sd.us>]

Sent: Friday, September 22, 2017 11:27 AM

To: Miedema, Tory <TMiedema@SIOUXFALLS.org>

Subject: RE: City of Sioux use of Big Sioux River under the city's existing municipal water right.

Tory

Attached is WR No. 5556-3 which incorporated WR No. 4232-3 into one water license. There are three wells authorized under No. 5556-3 for irrigation of 238 acres. There was authorization granted to change the location of Well No. 3 back in 2013. Attached along with the water license is the letter granting this change and the map showing the new location of well No. 3.

I am unable to find another water right held for irrigation of the golf course.

Not sure if this is what you are looking for.

Eric

From: Miedema, Tory [<mailto:TMiedema@SIOUXFALLS.org>]

Sent: Friday, September 22, 2017 9:39 AM

To: Gronlund, Eric

Subject: RE: [EXT] City of Sioux use of Big Sioux River under the city's existing municipal water right.

Eric,

Do you have the other water licenses we currently hold for Elmwood Golf Course? I was just about done filling out the paperwork, then realized I was just looking at the well site for the East 9. We have another well site on the West 9, and the two regulating ponds are connected together. Just want to make sure I am including all the land to be irrigated and describe it correctly.

Thanks for your help!

From: Gronlund, Eric [<mailto:Eric.Gronlund@state.sd.us>]

Sent: Tuesday, September 12, 2017 3:32 PM

To: Miedema, Tory <TMiedema@SIOUXFALLS.org>

Subject: RE: City of Sioux use of Big Sioux River under the city's existing municipal water right.

Tory

Attached is Water Right No. 6210-3.

Also attached is the application form for irrigation. This is not a perfect fit in that the city will be amending an municipal water to include the additional use "irrigation" of water for the acreage authorized under WR No. 4232-3. Take a look at and at some point give me a call and we can try to walk through it.

Eric Gronlund

Water Rights Program, DENR

Desk 605-773-4062

Eric.gronlund@state.sd.us

From: Miedema, Tory [<mailto:TMiedema@SIOUXFALLS.org>]
Sent: Tuesday, September 12, 2017 3:23 PM
To: Gronlund, Eric
Subject: FW: [EXT] City of Sioux use of Big Sioux River under the city's existing municipal water right.

Eric,

Sorry for the long delay between correspondence. Our emergency need for water at Elmwood Golf Course went away as we were able to tweak our irrigation system and usage until our well was back on line. Now that things have finally slowed down a bit, we would like to revisit the issue. We would like to do the long term solution of permanently adding irrigation use and adding the golf course pump site to Water Right No. 6210-3. We would like the option of having a backup source if our current well system goes down again. I have talked to Greg Anderson about it and he is ok with it(see below).

Could you help me out with the steps to take to get that done? I think I have all the information on the golf course with that Water Right #4232-3. I don't have the paperwork for WR #6210-3. If you could get me started, I'd really appreciate it. Greg was willing to help me as well since he has dealt with these way more than I have.

Thanks for any help you can provide.

Thanks, Tory.

From: Anderson, Greg
Sent: Thursday, July 20, 2017 3:58 PM
To: Miedema, Tory <TMiedema@SIOUXFALLS.org>
Subject: RE: City of Sioux use of Big Sioux River under the city's existing municipal water right.

Thanks for the discussion this afternoon Tory,

There is capacity on the 6210-3 surface water right for use at Elmwood as you move forward with an emergency plan. Please let me know if you need help or have further questions.

Greg Anderson, Water Superintendent
City of Sioux Falls, Public Works, Water Division
2100 North Minnesota Avenue
Sioux Falls, South Dakota 57104
605-373-6940
605-360-6436

From: Miedema, Tory
Sent: Thursday, July 20, 2017 1:48 PM
To: Anderson, Greg <ganderson@SIOUXFALLS.org>
Subject: FW: City of Sioux use of Big Sioux River under the city's existing municipal water right.

Greg,

Our temporary emergency need for water at Elmwood is gone now thanks to the well getting put back on line and some tweaking of the irrigation system. We were wanting to do the long term approach of being able to pull of the Big Sioux River in times when our golf course wells go down. Do you have any issues with us tagging onto the current City water right no. 6210-3? We definitely don't want to be a hindrance to you or put the City in danger of exceeding the diversion

rate authority. Let me know what you think. If you are ok with it, we will proceed down that path. If not, it is not a huge issue since we would only use it as a backup source.

Thanks.

From: Gronlund, Eric [<mailto:Eric.Gronlund@state.sd.us>]

Sent: Wednesday, July 19, 2017 11:55 AM

To: Miedema, Tory <TMiedema@SIOUXFALLS.org>

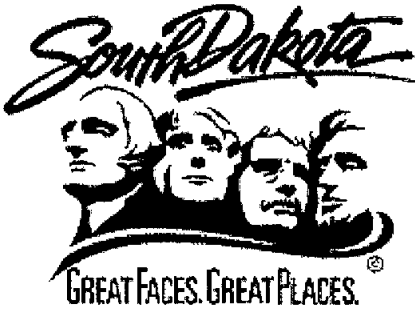
Subject: City of Sioux use of Big Sioux River under the city's existing municipal water right.

Tory:

As follow up to our earlier call. The city will need to submit a request to add a diversion point to Water Right No. 6210-3 to the pump site to be used for the golf course. DENR will want a map showing the location, a commitment not to exceed the current diversion rate authority or annual volume under Water Right No. 6210-3 and concurrence from Greg Anderson who is the city's water superintendent. Once a request is received DENR will expedite the review in an effort to approve the request administratively. Until that is done, the city does not have the right to pump from the river for irrigation of the golf course.

Long term, we discussed the city going through the standard permitting process to permanently add irrigation use and add the golf course's pump site to Water Right No. 6210-3.

Eric Gronlund
Water Rights Program, DENR
605 773-3352
Eric.gronlund@state.sd.us



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6210A-3, City of Sioux Falls**

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. 6210A-3, City of Sioux Falls, c/o Tory Miedema, Parks Development Specialist, 100 E 6th Street, Sioux Falls SD 57104.

The Chief Engineer is recommending APPROVAL of Application No. 6210A-3 because 1) the proposed diversion can be developed without unlawful impairment of existing rights, 2) the proposed use is a beneficial use and 3) it is in the public interest with the following qualifications:

1. Low flows as needed for downstream domestic use, including livestock water and prior rights must be bypassed. This permit does not authorize diversion of water from the Big Sioux River unless at least 20 cfs is flowing when pumping at the Big Sioux River at Sioux Falls USGS gaging station No. 0648200, or unless written orders have been issued by the Chief Engineer. Diversions under this permit are subject to senior water rights and any written orders issued by the Chief Engineer.
2. The city of Sioux Falls shall report to the Chief Engineer the amount of water withdrawn from the Big Sioux River for Permit No. 6210A-3 on the annual irrigation questionnaire separate from the amount reported for the municipal use under Water Right Nos. 6210-3 and 5556-3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.
3. 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, Permit No. 6210A-3 authorizes a maximum diversion rate from the two regulating ponds of 4.68 cfs for the irrigation of 238 acres with an annual volume not to exceed 3 acre feet of water per acre per year.

See report on application for additional information.

Jeanne Goodman, Chief Engineer
October 19, 2017

NOTE: Approval of Water Permit No. 6210A-3 will not appropriate additional water from the Big Sioux River to what is authorized by Water Right No. 6210-3. Water Right No. 6210-3 appropriates 20,000 acre feet annually at maximum diversion rate of 69.6 cfs for municipal use. Permit No. 6210A-3 authorizes an additional diversion point and the additional use of irrigation of Elmwood golf course. The city is responsible to insure the diversion rate and annual volume are not exceeded.

REPORT ON WATER PERMIT APPLICATION NO. 6210A-3

City of Sioux Falls

October 17, 2017

Application No. 6210A-3, City of Sioux Falls, proposes to amend Water Right No. 6210-3 by adding a diversion point and irrigation use. Water Right No. 6210-3 appropriates 20,000 acre-feet annually at a maximum pump rate of 69.6 cubic feet of water per second (cfs) from the Big Sioux River located in the NW 1/4 NE 1/4 Section 32-T102N-R49W for municipal use. This application proposes an additional diversion point from the Big Sioux River located in the SE 1/4 SW 1/4 Section 6-T101N-R49W to irrigate 238 acres at the Elmwood Golf Course located in the W 1/2 SE 1/4, SE 1/4 SW 1/4 Section 6, E 1/2 NW 1/4, NE 1/4, N 1/2 SE 1/4, NE 1/4 SW 1/4 Section 7 and the W 1/2 NW 1/4, NW 1/4 SW 1/4 Section 8; all in T101N-R49W. Water will be diverted from the Big Sioux River to two regulating ponds at a rate up to 2.23 cfs. The combined pump rate from the two ponds for irrigation of the golf course will be 4.68 cfs. No increase in diversion rate or the annual volume of water appropriated by Water Right No. 6210-3 is authorized. The golf course is also authorized for irrigation from groundwater under Water Right No. 5556-3. The proposed project is located in the City of Sioux Falls in Minnehaha County.

Review of the Proposed Project

The applicant holds Water Right No. 6210-3, priority June 6, 1977, appropriating 20,000 acre-feet annually at a maximum diversion rate of 69.6 cfs for municipal use. The applicant proposes to amend this water right by adding a diversion point approximately 2.4 miles downstream from the existing municipal pumping station and an additional use of irrigation to irrigate 238 acres for a golf course at a rate of 2.23 cfs from the river into two regulating ponds. The golf course is already covered by an existing Water Right No. 5556-3 allowing irrigation from ground water (Big Sioux Aquifer) at a rate up to 2.13 cfs for irrigation of the 238 acres. This permit would be for a supplemental source of water for the golf course.

This applicant requests a diversion rate from the two regulating ponds greater than the statutory limit of one cfs for each seventy acres. South Dakota Codified Law (SDCL) 46-5-6 states in part that "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 acres delivered to the land". The application diverts at a rate of 4.68 cfs for irrigation of 238 acres which equates to 1 cfs per each 51 acres. It is not uncommon for golf course to apply at a rate greater than the statutory limit due to time constraints on when water can be applied. The application rate for irrigation requested is reasonable.

Review of the Water Source

The applicant proposes to pump water for irrigation from the Big Sioux River during the period April through November 15. The Big Sioux River is a prairie stream with headwaters located in the northern prairie coteau in southern Roberts, eastern Day and eastern Clark counties, in northeastern South Dakota. The river drains glacial till and an outwash plain as it runs

southward to its junction with the Missouri River near Sioux City, Iowa. The Big Sioux River physical geography is characterized by glaciated terrain and rolling plains. Rivers commonly follow the valleys formed by glacial lobes, which were glaciated as recently as 14,000 years ago. Drainages in this region formed after retreat of glaciers and are therefore poorly established in parts of the watershed. The poorly established drainage patterns are accompanied by numerous areas of internal drainages, or “potholes,” and are commonly referred to as the “Prairie Pothole Region” (Hoogestrat and Stamm, 2015).

The USGS maintains several long term stream gaging stations on the Big Sioux River between the headwaters and the confluence with the Missouri River. One of these gaging stations is located in this river reach immediately downstream of the proposed project (USGS, 2017). The gaging station is located approximately 5.5 miles downstream; the gage has a 28 to 30 years of record and is the USGS Gaging Station No. 06482000 Big Sioux River at Sioux Falls SD, Figure 1.

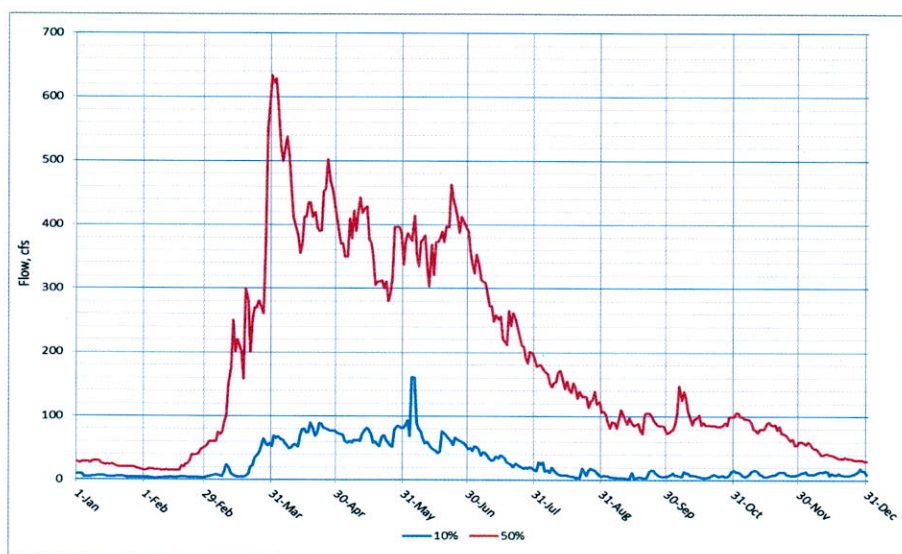


Figure 1. USGS Gaging Station No. 06482000 Big Sioux River at Sioux Falls SD. Daily percentile flow in cubic feet per second. Period of Record - 1943 to 2017 (USGS, 2017).

As is typical of prairie streams in South Dakota, the peak runoff occurs during the spring months due to plains snowpack melt and from runoff during larger rain events. Runoff tends to decrease in the late summer months going in to fall and winter. At the 50 percentile level, monthly flow values range from over 600 cfs in April to more than 70 cfs in November.

Review of Existing Water Rights

There are 58 existing water rights/permits in the river reach from the head waters in Roberts County to the confluence with the Missouri River in Union County. Of the existing rights, 56 of these appropriate 155.30 cfs for multiple uses and 2 existing water rights appropriate 2000 cfs of flood flows only for recreational use to stabilize lake levels Lake Poinsett and Dry Lake from the Big Sioux River (Water Rights, 2017). Because there will not be a new appropriation of water, there should be no adverse impacts to existing rights expected as long as this permit contains similar qualifications to Water Right No. 6210-3.

If approved Water Permit No. 6210A-3 from the Big Sioux River should be issued with the following qualifications to protect existing water rights.

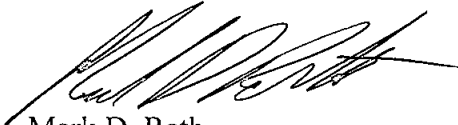
- Low flows as needed for downstream domestic use, including livestock water and prior rights must be bypassed. This permit does not authorize diversion of water from the Big Sioux River unless at least 20 cfs is flowing when pumping at the Big Sioux River at Sioux Falls USGS gaging station No. 06482000, or unless written orders have been issued by the Chief Engineer. Diversion under this permit shall be in accordance with any written orders by the Chief Engineer.
- Water Permit No. 6210A-3 may divert from the two regulating ponds at a rate of 4.68 cfs, a rate greater than the statutory limit of one cfs for each seventy acres. However, the annual volume may not be greater than three acre-feet per acres delivered to the land.
- The City of Sioux Falls shall report to the Chief Engineer the amount of water withdrawn from the Big Sioux River for this permit on the annual irrigation questionnaire separately from the amount reported for the municipal use under Water Right No. 6210-3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

Conclusions

1. This application proposes to amend Water Right No. 6210-3 by adding a diversion point separate from the existing municipal pumping station and an additional use of irrigation to irrigate 238 acres for irrigation of a golf course.
2. If approved this permit would be for a supplemental source of water for a golf course already covered by an existing Water Right No. 5556-3 allowing irrigation from ground water (Big Sioux aquifer) at a rate up to 2.13 cfs for irrigation of the 238 acres.
3. Because there will not be a new appropriation of water, there should be no adverse impacts expected to existing rights using the Big Sioux River as long as this permit contains similar qualifications to Water Right No. 6210-3.
4. If approved Water Permit No. 6210A-3 from the Big Sioux River should be issued with the following qualifications to protect existing water rights.
 - Low flows as needed for downstream domestic use, including livestock water and prior rights must be bypassed. This permit does not authorize diversion of water from the Big Sioux River unless at least 20 cfs is flowing when pumping at the Big Sioux River at Sioux Falls USGS gaging station No. 06482000, or unless written orders have been issued by the Chief Engineer. Diversion under this permit shall be in accordance with any written orders by the Chief Engineer.
 - Water Permit No. 6210A-3 may divert from the two regulating ponds at a rate of 4.68 cfs, a rate greater than the statutory limit of one cfs for each seventy

acres. However, the annual volume may not be greater than three acre-feet per acres delivered to the land.

- The City of Sioux Falls shall report to the Chief Engineer the amount of water withdrawn from the Big Sioux River for this permit on the annual irrigation questionnaire separately from the amount reported for the municipal use under Water Right No. 6210-3. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



Mark D. Rath
Natural Resources Engineer III

References

Hoogestraat, G.K. and J. F. Stamm, 2015. Climate and Streamflow Characteristics for Selected Streamgages in Eastern South Dakota, Water Years 1945–2013. USGS Scientific Investigations Report 2015-5146.

USGS, 2017. United States Geological Survey, National Water Information System – Stream Gaging Station Network for South Dakota.

Water Rights, 2017. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, SD.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

denr.sd.gov

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

October 19, 2017

City of Sioux Falls
c/o Tory Meidema, Park Development Specialist
100 E 5th St
Sioux Falls SD 57104

Dear Mr. Meidema:

Water Permit Application No. 6210A-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Argus Leader printed at Sioux Falls SD (Ph # 605-331-2200). 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 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 and to arrange for payment. Early contact with the paper can eliminate delays. Upon receiving authorization from you, the publisher has been instructed to publish your notice. 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.

Schlaak, Karen

From: Schlaak, Karen
Sent: Thursday, October 19, 2017 9:33 AM
To: allegals@argusleader.com
Subject: 6210A-3, City of Sioux Falls
Attachments: 6210A-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on October 26, 2017.

City of Sioux Falls, c/o Tory Meidema, Park Development Specialist, 100 E 5th St, Sioux Falls SD 57104 (605 367-8217) has been notified to contact you to authorize publication and arrange for payment.

Please send the affidavit or return the attached Proof of Publication form ASAP to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352



NOTICE OF APPLICATION NO. 6210A-3 to Amend Water Right No. 6210-3

Notice is given that City of Sioux Falls, c/o Tory Miedema, Park Development Specialist; 100 E 6th St, Sioux Falls SD 57104 has filed an application to amend Water Right No. 6210-3 by adding a diversion point and irrigation use. Water Right No. 6210-3 appropriates 20,000 acre-feet annually at a maximum pump rate of 69.6 cubic feet of water per second (cfs) from the Big Sioux River located in the NW 1/4 NE 1/4 Section 32-T102N-R49W for municipal use. This application proposes an additional diversion point from the Big Sioux River located in the SE 1/4 SW 1/4 Section 6-T101N-R49W to irrigate 238 acres at the Elmwood Golf Course located in the W 1/2 SE 1/4, SE 1/4 SW 1/4 Section 6, E 1/2 NW 1/4, NE 1/4, N 1/2 SE 1/4, NE 1/4 SW 1/4 Section 7 and the W 1/2 NW 1/4, NW 1/4 SW 1/4 Section 8; all in T101N-R49W. Water will be diverted from the Big Sioux River to two regulating ponds at a rate up to 2.23 cfs. The combined pump rate from the two ponds for irrigation of the golf course will be 4.68 cfs. No increase in diversion rate or the annual volume of water appropriated by Water Right No. 6210-3 is authorized. The golf course is also authorized for irrigation from groundwater under Water Right No. 5556-3.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6210A0 with qualifications because 1) existing rights will not be unlawfully impaired, 2) it is a beneficial use of water, and 3) it is in the public interest. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided below.

Any person interested in opposing or supporting this application or recommendation must file a written petition with BOTH the applicant and Chief Engineer. The applicant must file a petition if contesting 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 November 6, 2017.

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.

If the applicant does not contest the recommendation of the Chief Engineer and no petition to oppose the application is received, the Chief Engineer shall act on the application pursuant to the recommendation with no hearing held before the Water Management Board. If a petition opposing the application or contesting the recommendation is filed, then a hearing will be scheduled and the Water Management Board will consider this application. Notice of the hearing will be given to the applicant and any person filing a petition.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at the total approximate cost of _____.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

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NOV 15 2017

City of Sioux Falls
c/o Tory Miedema, Park Development Specialist
100 East 6th St
Sioux Falls SD 57104

Dear Mr. Miedema:

Enclosed is Water Permit No. 6210A-3 which amends Water Right No. 6210-3 by authorizing an additional diversion point from the Big Sioux River and irrigation use.

A 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 information 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,

Jeanne Goodman, Chief Engineer
Water Rights Program
605 773-3352

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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www.denr.sd.gov

January 31, 2018

5512-3 5698-3 6210A-3

CITY OF SIOUX FALLS
KELBY MIERAS
100 E 6TH ST
SIOUX FALLS SD 57104

Subject: Bypass Qualifications on Big Sioux River Water Rights

Dear Mr. Mieras,

I am writing to inform you of an effort the SD Dept. of Environment and Natural Resources Water Rights Program is undertaking to review and update a number of water right permits authorized to pump water from the Big Sioux River. When a number of these permits were issued, they contained a qualification requiring a minimum flow bypass before the user is able to pump water from the river. The bypass qualification was placed on these permits to protect the use of water by downstream senior priority water right holders and domestic water users, which includes livestock watering. The review found, with the passage of time, a number of senior water right permits have been cancelled due to abandonment or forfeiture. Consequently, it may be possible to lower the flow bypass limitation on the remaining permits. In other words, the amount of flow in the river can be lower and pumping will still be allowed. The review also found an inconsistency between permits on where the bypass flow is to be measured.

The intent of this effort is to standardize and make consistent the bypass requirements for the remaining water users. In most cases, the proposed changes will reduce the flow bypass requirement on the individual permits. To make the permits consistent, the bypass measuring point will also be designated at a United States Geological Survey (USGS) stream gaging station. The USGS maintains a real-time stream gaging network on the Big Sioux River. Current river flow information can be easily accessed from the internet at the following internet address:

<https://waterdata.usgs.gov/sd/nwis/rt>

In order to amend a qualification on an existing water right permit, formal action by the SD Water Management Board is needed. In the next few weeks, you can expect to receive official notification scheduling a hearing before the Water Management Board. If you wish to participate in the hearing you can, but you are not required to. There will be instructions with the notification on how to participate in the hearing if you so choose.

If you have any questions concerning this effort, please contact Mark Rath of the Water Rights Program at phone (605) 773-3352.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeanne Goodman".

 Jeanne Goodman, Chief Engineer
Water Rights Program



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

February 12, 2018

5512-3 5698-3 6210A-3

City of Sioux Falls
Kelby Mieras
100 E 6th St
Sioux Falls SD 57104

Subject: Bypass Qualifications on Big Sioux River Water Rights

Dear Ms. Mieras:

The SD Department of Environment and Natural Resources has evaluated the minimum flow bypass condition on water rights that pump from the Big Sioux River. The Chief Engineer is recommending amending the bypass qualification on 21 Big Sioux water rights. The intent is to bring uniformity to the bypass requirement placed on water rights in past years. Water Right(s) that you own or operate are included in those proposed to be amended.

Attached is the qualification to be deleted from the water right(s) and the proposed new qualifications.

The proposed amendment to your water right will not impose a more restrictive condition than currently is in place on your water right. In some cases the bypass requirement remains the same but generally the proposed amendment decreases the minimum bypass that must exist before a user is able to pump water from the river. The amendment does designate a US Geological Survey gaging station as the measuring point to determine if pumping is allowed. The gaging station has real time flow information that can be accessed on-line at <https://waterdata.usgs.gov/sd/nwis/rt>. Many, but not all, water rights referenced the bypass being located at the pump site where there isn't real time flow information.

A hearing before the Water Management Board is scheduled at 11:30 AM, Wednesday, March 7, 2018 in the Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre SD. Enclosed is the notice to be published on or before February 15, 2018, in one newspaper from each of the seven counties that the Big Sioux River flows through. This notice provides information on filing a petition in either support or opposition to the propose amendment. The filing of a petition must be postmarked by February 26, 2018. Additionally filing a petition affords you the opportunity to participate in the March 7th hearing before the Board if you choose.

The staff report including affected water rights and the proposed changes is available at <http://denr.sd.gov/public> or contact Mark Rath at 605 773-3352 or mark.rath@state.sd.us. If you have questions, please call. DENR is willing to work to answer any questions.

Sincerely,

Eric Gronlund
Water Rights Program, DENR
605 773-3352
Eric.gronlund@state.sd.us

enclosure

Proposed Qualification Revisions

In order to standardize the qualifications for the 5 existing water rights/permits containing bypass qualifications in the Big Sioux River reach between the USGS stream gaging station near Dell Rapids downstream to the USGS stream gaging station at North Cliff Avenue at Sioux Falls, the following changes are proposed.

Amendment to the qualifications contained in Water Right No. 6210A-3

Delete Qualification:

- Low flows as needed for downstream domestic use, including livestock water and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River unless at least 20 cfs is flowing when pumping at the Big Sioux River at Sioux Falls USGS Gaging Station No. 0648200, or unless written orders have been issued by the Chief Engineer. Diversions under this Permit are subject to senior water rights and any written orders issued by the Chief Engineer.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06482020 at North Cliff Avenue when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Review of Big Sioux River Water Rights and Report on Proposed Amendments

February 13, 2018

Introduction

The Big Sioux River is a prairie stream with headwaters located in the northern prairie coteau in southern Roberts, eastern Day and eastern Clark counties, in northeastern South Dakota. The river drains glacial till and outwash plains as it runs southward to its junction with the Missouri River near Sioux City, Iowa. The Big Sioux River physical geography is characterized by glaciated terrain and rolling plains. Rivers commonly follow the valleys formed by glacial lobes, which were glaciated as recently as 14,000 years ago. Drainages in this region formed after retreat of glaciers and are therefore poorly established in parts of the watershed. The poorly established drainage patterns are accompanied by numerous areas of internal drainages, or “potholes,” and are commonly referred to as the “Prairie Pothole Region” (Hoogestrat and Stamm, 2015).

As is typical of prairie streams in South Dakota, the peak runoff occurs during the spring months due to plains snowpack melt and from runoff of larger rain events. Runoff tends to decrease in the late summer months going in to fall and winter.

Qualification Status

A review of Water Right Program files shows there have been 163 water right permits (water permits) issued for the Big Sioux River, some with priority dates going back to statehood. Many of these have been cancelled due to abandonment or forfeiture, some have been incorporated into other water permits and some remain active. An examination of water right files found the Water Resources Commission placed the first bypass qualification, 20 cubic feet per second (cfs) bypass at the diversion point, on a Big Sioux River water permit in Moody County in 1960 (Water Rights, 2018).

After the Water Resources Commission placed the first bypass qualification on a Big Sioux River water permit in 1960, it appears from then until the mid-1990’s, with the advent of real-time accessible stream gaging, the management of water permits from the Big Sioux River was primarily addressed on a river reach basis and the presence of senior priority water permits. Water permits issued in a similar reach with relatively similar priority dates would have the same bypass requirements. Later when water permits were issued, the bypass requirement would be incrementally increased to account for protection of the senior priority water permits (Water Rights, 2018).

The northern most river reach, from the headwaters in southern Roberts County to the Brookings – Moody county line, only has a hand full of permits issued since 1960. Bypass qualifications range from 5 cfs for those water permits issued in the mid-1960’s to 35 cfs for those issued more recently (Water Rights, 2018).

In the Big Sioux River reach from the northern border of Moody County to Dell Rapids, which has the most water permits issued, the 20 cfs bypass requirement was placed on Big Sioux River water permits from 1960 until 1966 when the bypass requirement was raised to 30 cfs for new permits issued. In 1968 the bypass requirement was raised to 35 cfs and was then incrementally increased to 50 cfs by 1976. Many of these water permits have subsequently been cancelled due to abandonment or forfeiture. The most recent water permits issued in this reach contained a 43 cfs bypass requirement (Water Rights, 2018).

In the Big Sioux River reach immediately to the south between Dell Rapids where the Big Sioux River crosses Cliff Avenue on the eastern side of Sioux Falls there have been multiple water permits issued. These contain a 20 cfs bypass requirement. Earlier issued water permits require a 20 cfs bypassed at the diversion point while the later issued ones require a 20 cfs bypass at the United States Geologic Survey (USGS) stream gaging station at North Cliff Avenue in Sioux Falls (Water Rights, 2018 and USGS, 2018).

The southernmost river reach from where the river crosses North Cliff Avenue in eastern Sioux Falls to the confluence with Missouri River in southern Union County does not have any water permits with bypass requirements. This reach, even during drier climatic conditions has sufficient flow exceeding demand. The additional flow is attributed to effluent discharge from the Sioux Falls waste water treatment plant and contributions from downstream tributaries such as Split Rock Creek near Brandon (Water Rights, 2018).

Currently there are 59 active water permits authorized for the Big Sioux River from the headwaters in Roberts County to the mouth in Union County, Figure 1. There have been 49 water permits issued since 1960, when the first bypass requirement was enacted, to present which have subsequently been cancelled due to abandonment or forfeiture. Currently 21 of the existing water permits contain some sort of flow bypass qualification. When the water permits were issued with bypass qualifications, it was done because the senior priority water permits were active and being used, so the amount of the bypass requirement placed on the water permit was based on a level to protect senior priority water use. Since there has been significant attrition in the number of active water permits using Big Sioux River water since 1960, with many of them being cancelled, this leaves a somewhat disjointed system of bypass requirements for the remaining water permits. In addition, the City of Sioux Falls holds two active future use permits with 1977 priority dates reserving 30,000 acre-feet of Big Sioux River water in the river reach between the Dell Rapids gage and the North Cliff Avenue gage (Water Rights, 2018 and USGS, 2018).

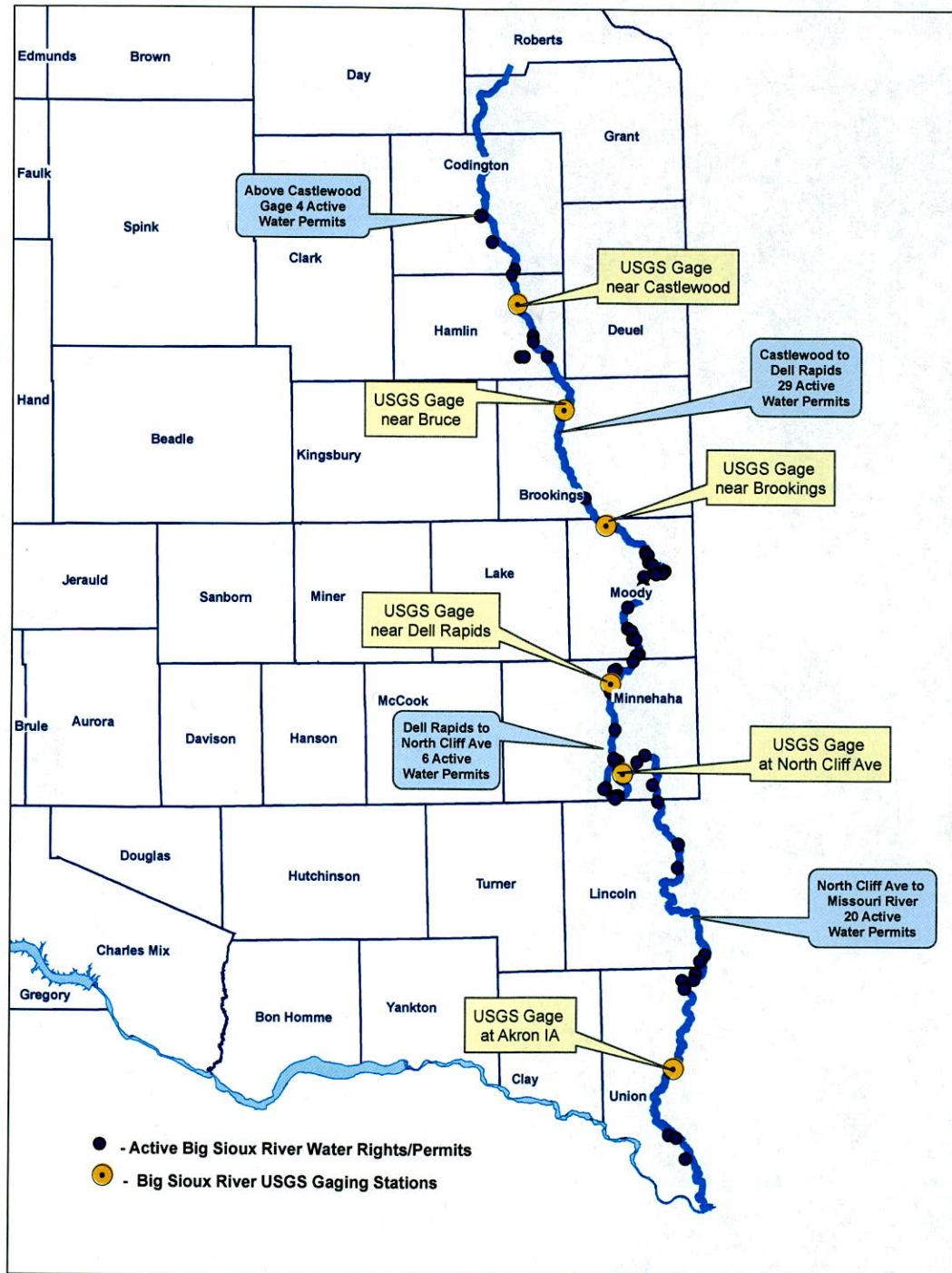


Figure 1. Area map of the Big Sioux River showing the locations of the active water rights/permits and USGS Big Sioux River stream flow gaging stations (Water Rights, 2018 and USGS, 2018).

It is proposed that the existing bypass qualifications for each of the active water permits be reviewed, taking into account the amount of bypass required, the presence of existing rights, the location of the diversions points, and the historical river flow conditions along the various reaches of the river. This review will determine if it is justified to recommend modifications of the existing bypass qualifications.

Authority

SDCL 46-1-14 gives the Water Management Board the authority to amend water right permits. Water permits issued by the board may be amended by the board with priority retained upon amendment. The board may alter terms, conditions, restrictions, qualifications or quantifications.

South Dakota Codified Law

46-1-14. Terms and conditions of permits and licenses--Amendment. The Water Management Board may issue any permit or license subject to terms, conditions, restrictions, qualifications, quantifications, or limitations on perpetuity consistent with this chapter which it considers necessary to protect the public interest and which are related to matters within the jurisdiction of the board. Water rights issued pursuant to this section may be amended by the board and priority is retained upon amendment. Upon amendment the board may alter terms, conditions, restrictions, qualifications, or quantifications consistent with this chapter.

46-2-3.1. Delegation of authority to chief engineer--Restrictions. The Water Management Board may delegate to the chief engineer authority to act on its behalf concerning the quasi-judicial functions of interpreting, applying, and enforcing existing rules and laws and ordering action or abatement of action. The board may not delegate any other quasi-judicial functions as defined in § 1-32-1, except as otherwise provided by law. The board may promulgate rules pursuant to chapter 1-26 to delegate to the chief engineer the authority to issue permits pursuant to § 46-1-14.

46-2-17. Chief engineer's general enforcement authority. The chief engineer may:

- 1) Investigate the use of the waters of the state and compliance with the provisions of water permits, licenses, rules, regulations, and laws relating to water rights;
- 2) Institute enforcement and other proceedings before the Water Management Board;
- 3) Enforce orders of the board; and
- 4) Perform other acts authorized by statute or regulation.

46-2-18. Chief engineer's authority to order discontinuance of water use. The provisions of chapter 1-26 notwithstanding, the chief engineer may, after appropriate investigation, issue an order to any person to shut off or limit the person's use of surface or groundwater, or to plug or otherwise control a well. The order may be issued only to protect another user who has higher or earlier priority or to cause a user of water to discontinue the use of water to which the user has no legal right. Upon a refusal to obey the order, the chief engineer may request a court of proper jurisdiction to issue a temporary restraining order or injunction to effectuate the provisions of the order.

The 21 remaining active water permits authorized to divert water from the Big Sioux River having bypass requirements are subject to SDCL 46-2-3.1, 46-2-17, and 46-2-18, as are all water permits. These statutes give the Chief Engineer the ability to issue written orders within the context of authority granted under the statutes. The remaining 37 active water permits without any bypass requirements authorized to use Big Sioux River water either have priority dates senior to 1960 or are located in the river reach between the North Cliff Avenue gage and the confluence with the Missouri River. There is no intent with this effort to place bypass qualifications on these 37 water permits that do not currently have bypass qualifications.

Evaluation of the Existing Flow Bypass Qualifications and River Reach

The active Big Sioux water permits containing bypass qualifications vary on where the flow bypass is to be measured. The ones with earlier priority dates require a minimum flow past the diversion point. Because it is

impractical for the water user to measure flow at their pump site the more recently issued permits contained bypass qualifications referenced to a nearby United States Geological Survey (USGS) stream flow gaging stations.

In the section of river from southern Codington County to a point where the Big Sioux River crosses North Cliff Avenue in eastern Sioux Falls, three of the USGS gaging stations allowing access to real-time stream flow information have been used as measuring points for bypass limits from the river. See Table 1 (USGS, 2018).

Station Number	Station Name	Years Operated
06479525	Big Sioux River near Castlewood SD	1977-2017
06481000	Big Sioux River near Dell Rapids SD	1949- 2017
06482020	Big Sioux River at North Cliff Ave at Sioux Falls SD	1972- 2017

Table 1. USGS Big Sioux River stream flow gaging stations located near Castlewood, near Dell Rapids and at North Cliff Avenue in Sioux Falls SD (USGS, 2018).

The USGS has collected daily flow data at these gaging stations over several years. The USGS maintains an archive of historical flow and statistical flow data for these gaging stations that can be accessed by the public. A major concern in setting bypass qualifications is to identify the times when the river is experiencing lower flows and also to identify when those lower flows occurred. A review will focus on events when a particular stream segment experiences the lower half of the daily flow. Median, otherwise referred to as 50 percentile (50%), is used to help understand the central tendency of a set of statistical results with the lower half of measured daily flow values being at or less than the 50% value. Based on the period of record for each gage site, the daily flow value or less would be expected to occur on average 10 out of 20 years. At the 25 percentile (25%) flow value, the daily flow would be expected to be at or below that value an average of 5 out of 20 years. At the 10 percentile (10%) flow value, the daily flow would be expected to be at or below that value an average of 2 out of 20 years, (USGS, 2018).

Analysis and Proposed Qualification Revisions

A fresh look was taken of the original bypass requirements to determine whether the original bypass levels would be effective limits for the existing active water rights. The review took into consideration the existing water rights, the qualifications, the authorized use, the location of the diversion points, the annual period of use, and historic stream flow data.

Based upon this review, the river was broken into four separate bypass management reaches. The upper most reach is from the headwaters down to the Castlewood gage. The next reach is from the Castlewood gage to the Dell Rapids gage. The third reach is from the Castlewood gage to the North Cliff Avenue gage at Sioux Falls, and the final reach is from the North Cliff Avenue gage to the confluence with the Missouri River at North Sioux City.

The bypass qualifications originally adopted in the 1960's by the Water Resources Commission of 5 cfs for the reach north of Castlewood and 20 cfs for the reach between Castlewood to Dell Rapids were based on Water Rights staff recommendations. The recommendations were based on water use and flow history for each of those reaches. The 20 cfs bypass requirement for the river reach between Dell Rapids and Sioux Falls was first placed on a water permit in 1989 by the Water Management Board, a successor to the Water Resources Commission, following a low flow analysis by Water Rights staff for the Big Sioux River in that reach (Water Rights, 2018).

Of the 21 existing water permits containing some sort of flow bypass qualification all but two are for irrigation use. The two permits not for irrigation are for municipal use and are held by the City of Sioux Falls. Since most of the water permits having bypass qualifications were issued for irrigation, the following discussion

references a typical crop irrigation season of May 1 to October 15. The analysis focused on the typical irrigation season because this is characteristically when water management actions, such as issuing of shutoff orders by the Chief Engineer, would occur.

The irrigation season for grasses, as would be grown on golf courses and parks, may extend outside the typical irrigation season and run from the early April through late October. Of the four existing water permits for irrigation one is for a golf course at Dell Rapids and three are for irrigating golf courses and soccer fields in Sioux Falls (Water Rights, 2018).

Headwaters to Castlewood Reach

On the upper Big Sioux River there are four existing water permits, two are for storage in lakes Pelican and Kampeska and the other two are for irrigation. The two irrigation water permits containing a bypass qualification both are located approximately five miles upstream from the USGS stream gaging station near Castlewood. The total current authorized diversion rate for this reach is 4.26 cfs. Figure 2 shows the total annual appropriated volume and reported usage volume for the years 1983 to 2016 (Water Rights, 2018).

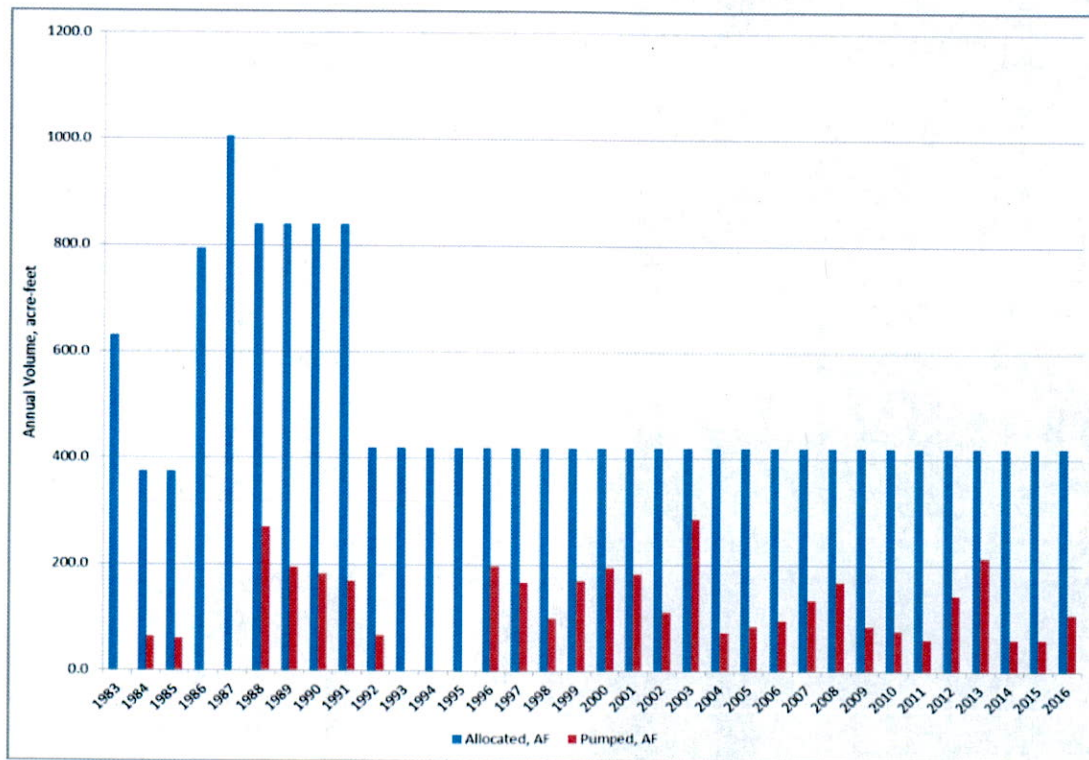


Figure 2. Total irrigation allocation and reported use from the Big Sioux River for the river reach upstream from the USGS gaging station near Castlewood (Water Rights, 2018).

On November 8, 1967, the Water Resources Commission set the initial bypass limit of 5 cfs on a water permit located in the upper river reach north of the Castlewood gage. The application for this water permit had been opposed at a previous meeting so the Commission deferred action and directed staff to investigate. At that time, staff determined excess water was available most years May through July, sometimes available in August and seldom available in September and October. In 2012, a permit was issued in this reach with a 35 cfs bypass qualification. This bypass requirement was the same one

previously placed on a downstream senior priority water permit located in the Castlewood to Dell Rapids reach (Water Rights, 2018).

Figure 3, is a hydrograph for the Castlewood gage showing the 50, 25 and 10 percentile daily flows for the 41 year period of record, 1977 to 2017. In Figure 3, the 10 percentile curve is above the 5 cfs line from the beginning of the irrigation season until the last 10 days of July. The 25 percentile curve is greater than 5 cfs throughout the irrigation season.

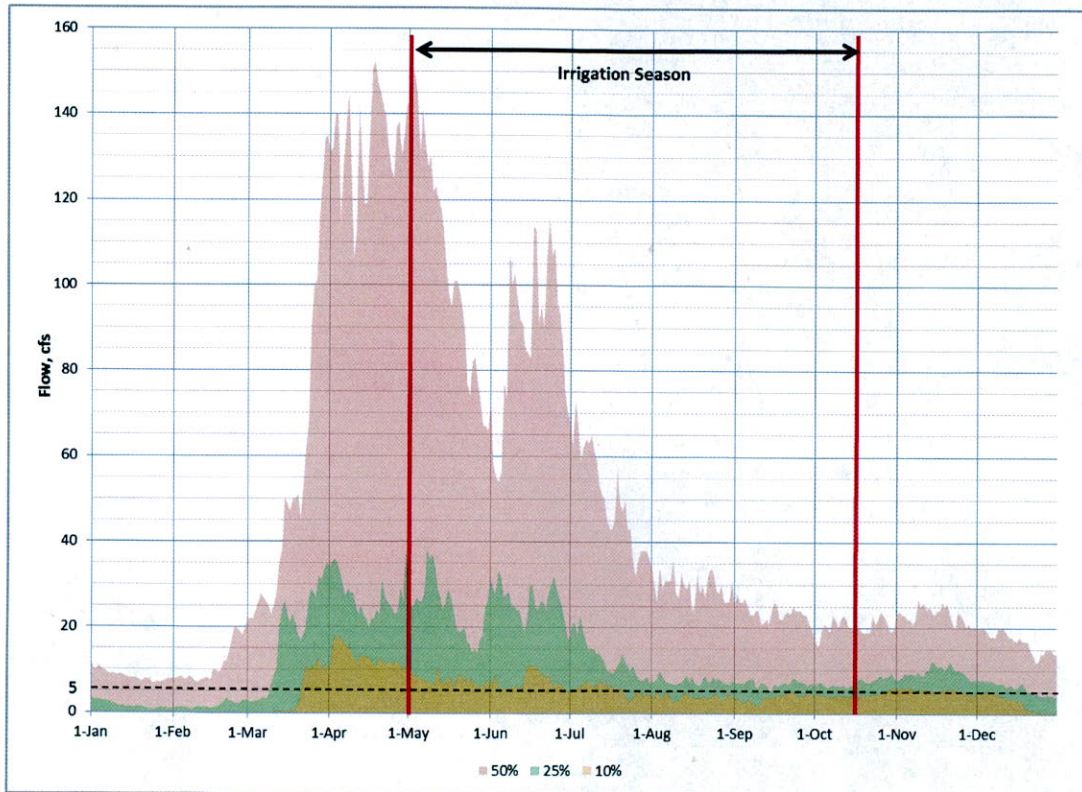


Figure 3. Daily percentile flow hydrographs for the USGS Big Sioux River near Castlewood 1977-2017, contributing drainage area 579 mi² (USGS, 2018).

The frequency of low flow events in the upper most river reach was examined by considering how many actual days the average daily flow was less than 5 cfs during the typical irrigation season of May through mid-October over the 41 year period of record. During that time frame 9.2% of the days that had flow less than 5 cfs fell within the May to mid-October irrigation season (USGS, 2018).

Figure 4 shows for the period of record at the Castlewood gage, the total number of days each year the average daily flow in the Big Sioux River was less than 5 cfs. This figure indicates this reach experiences dry climatic conditions causing several day periods of low flow less than 5cfs. The figure also shows there are many more years when the 5 cfs threshold is not met.

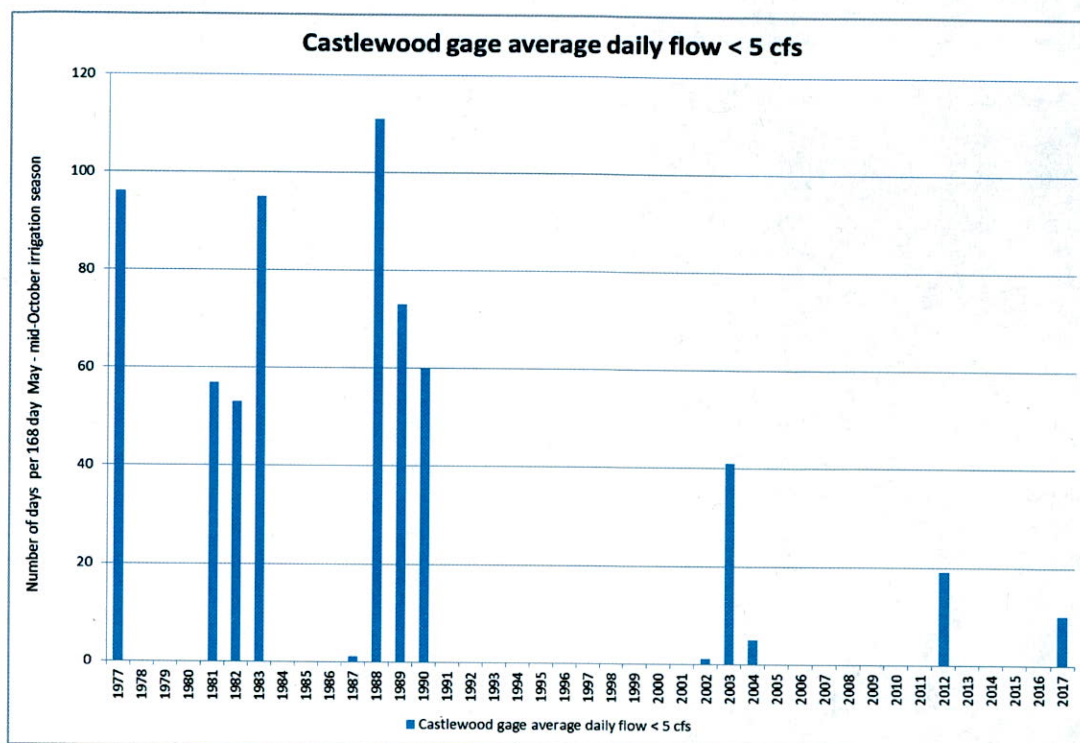


Figure 4. Total number of days for each year during the period of record the average daily flow in the Big Sioux River measured at the USGS gaging station near Castlewood was less than 5 cfs (USGS, 2018).

In this reach it is proposed for both of the existing irrigation water permits, the existing bypass qualification be amended to:

- Low flows as needed for downstream domestic use including livestock water and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, when pumping, unless at least 5 cfs is flowing past the USGS Gaging Station No. 06479525 near Castlewood, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.

Castlewood to Dell Rapids Reach

The river reach between the Castlewood gage and the Dell Rapids gage contains 29 active water permits. One of existing water permits is for flood flow diversion, two are for storage in Poinsett and Dry lakes and two water permits are for instream storage in Flandreau Dam and Dell Rapids Dam. The remaining 24 existing water permits are for irrigation, with 14 water permits containing bypass qualifications. The total current authorized diversion rate for this reach is 31.86 cfs. Figure 5 shows the total annual appropriated volume and reported usage volume for the years 1983 to 2016 (Water Rights, 2018).

In this Big Sioux River reach the original 20 cfs bypass requirement was placed on Big Sioux River water permits in April of 1960 by the Water Resources Commission based upon Water Rights staff review and recommendation to set bypass levels on permits. The bypass requirement was raised in 1966 to 30 cfs and was incrementally increased to 50 cfs by 1976. As stated earlier, many of these water permits have subsequently been cancelled due to abandonment or forfeiture (Water Rights, 2018).

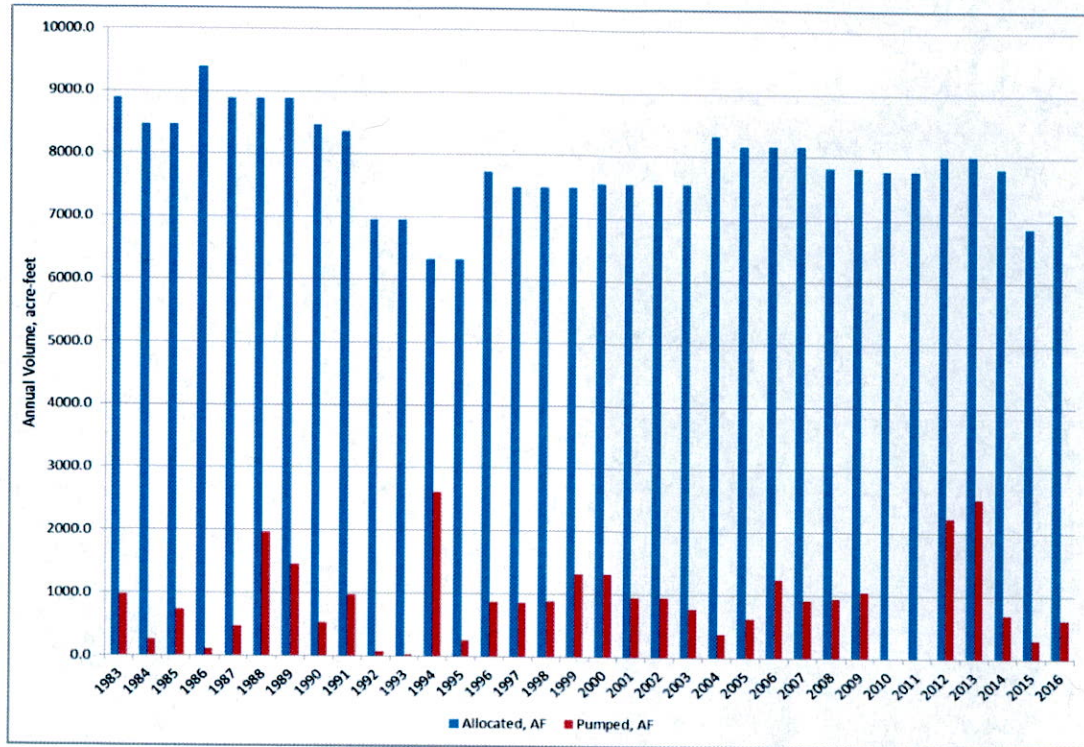


Figure 5. Total irrigation allocation and reported use from the Big Sioux River for the river reach between the USGS gaging stations near Castlewood to the gaging station near Dell Rapids (Water Rights, 2018).

The current bypass limits on existing water permits in this reach range from 20 cfs to 50 cfs with some of the limits set at the diversion point and some measured at the Dell Rapids gage. Using the original 20 cfs bypass as the benchmark, this bypass level was compared to the historic flow record for the Dell Rapids gage. Figure 6 shows the daily percentile flow hydrographs for a 68 year period of record dating back to 1948 for the USGS stream gaging station near Dell Rapids. The 10 percentile curve is above 20 cfs value from the beginning of the irrigation season until the last ten days of August (USGS, 2018).

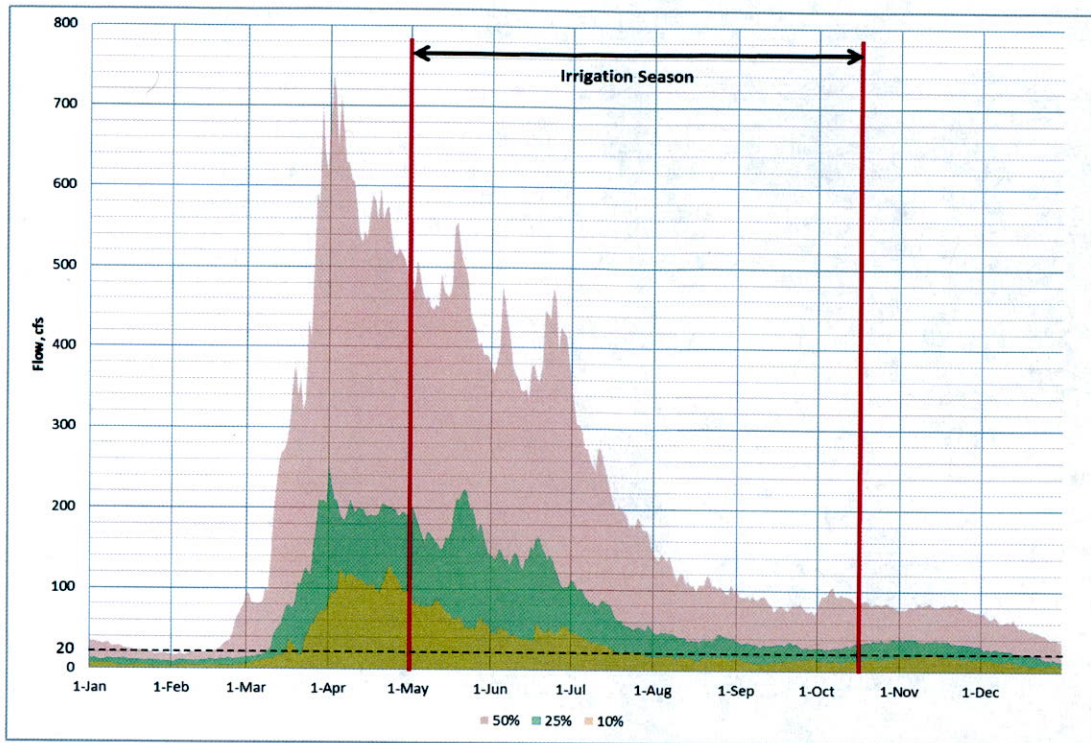


Figure 6. Daily percentile flow hydrographs for the USGS Big Sioux River gage near Dell Rapids 1949-2017, contributing drainage area 3057 mi² (USGS, 2018).

The frequency of low flow events in this reach was examined by considering how many actual days the average daily flow was less than 20 cfs during the typical irrigation season of May through mid-October over the 69 year period of record. During that time frame 7.2% of the days had flow less than 20 cfs within May to mid-October irrigation season (USGS, 2018).

Figure 7 shows for period of record at the Dell Rapids gage the total number of days for each year the average daily flow in the Big Sioux River was less than 20 cfs. Similar to what is seen in the upstream reach, this reach also experiences dry climatic conditions causing several days of low flow less than 20 cfs. The figure also shows there are many more years when the 20 cfs threshold is exceeded.

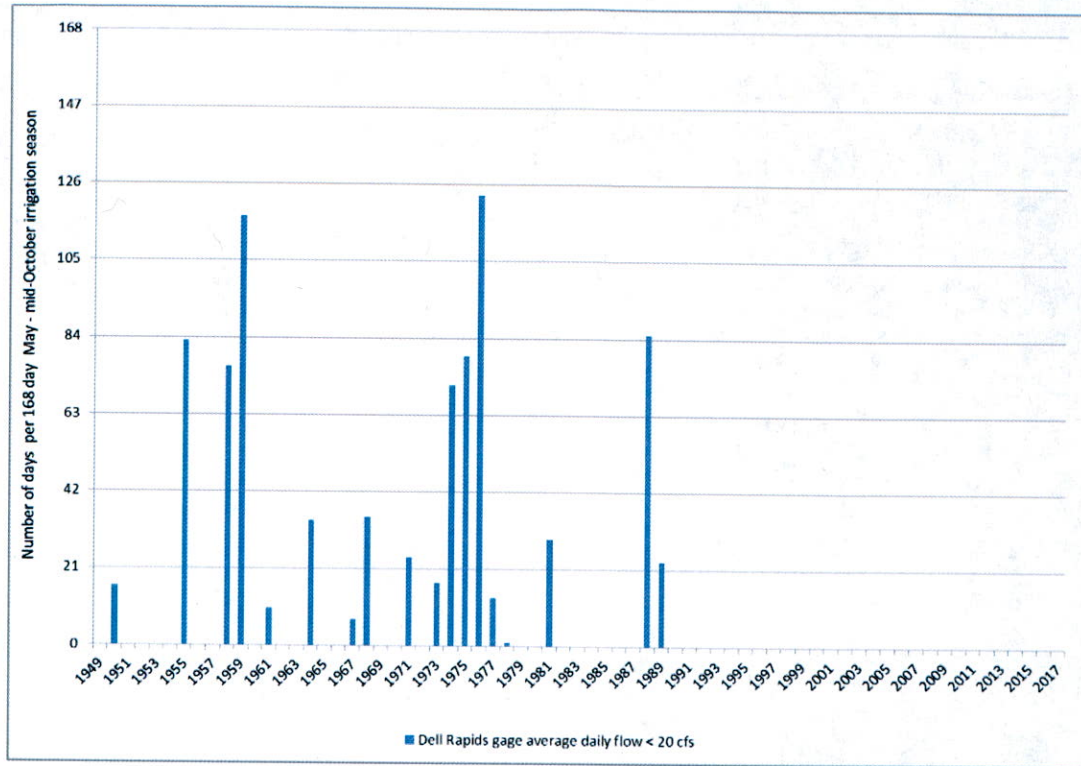


Figure 7. Total number of days for each year during the period of record the average daily flow in the Big Sioux River measured at the USGS gaging station near Dell Rapids was less than 20 cfs (USGS, 2018).

In this reach it is proposed for the 14 existing irrigation water permits the existing bypass qualification be amended to:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.

Dell Rapids to North Cliff Avenue at Sioux Falls Reach

In the river reach between the Dell Rapids gage and the North Cliff Avenue at Sioux Falls gage there are six existing water permits. The total current authorized diversion rate for this reach is 87.33 cfs. One right is for instream storage at Baltic Dam, two of the existing rights are for municipal use, and three are for irrigation. The bypass requirement for five existing rights with qualifications is 20 cfs. Three of the water permits require 20 cfs bypassing the diversion point and two requiring measurement of the flow bypass at the North Cliff Avenue gage. It should also be noted the City of Sioux Falls holds two future use permits located in this reach reserving up to 30,000 acre-feet from the Big Sioux River. The Water Management Board did a seven year status review of these permits in July of 2016. The Board ruled to allow these future use permits to remain in effect for the full 30,000 acre-feet for an additional seven years. Figure 8 shows the total annual appropriated volume and reported irrigation usage volume for the years 1983 to 2016, and Figure 9 shows the total annual appropriated volume and reported municipal usage volume for the years 1983 to 2016 in this reach (Water Rights, 2018).

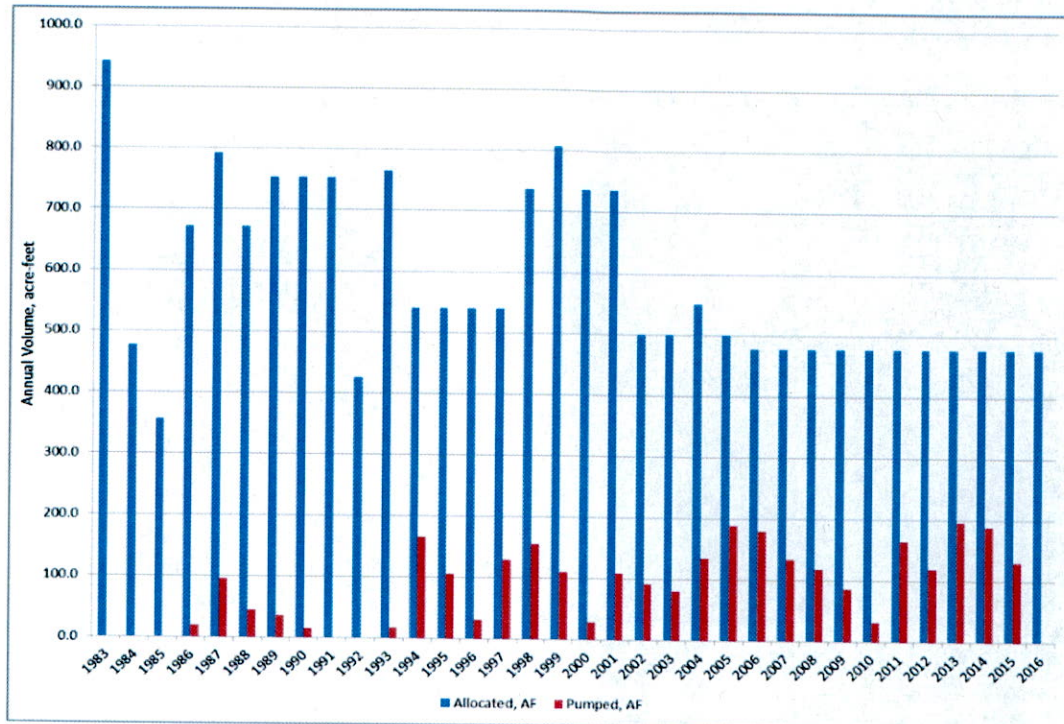


Figure 8. Total irrigation allocation and reported use from the Big Sioux River for the river reach between the USGS gaging stations near Dell Rapids to the gaging station at North Cliff Avenue at Sioux Falls (Water Rights, 2018).

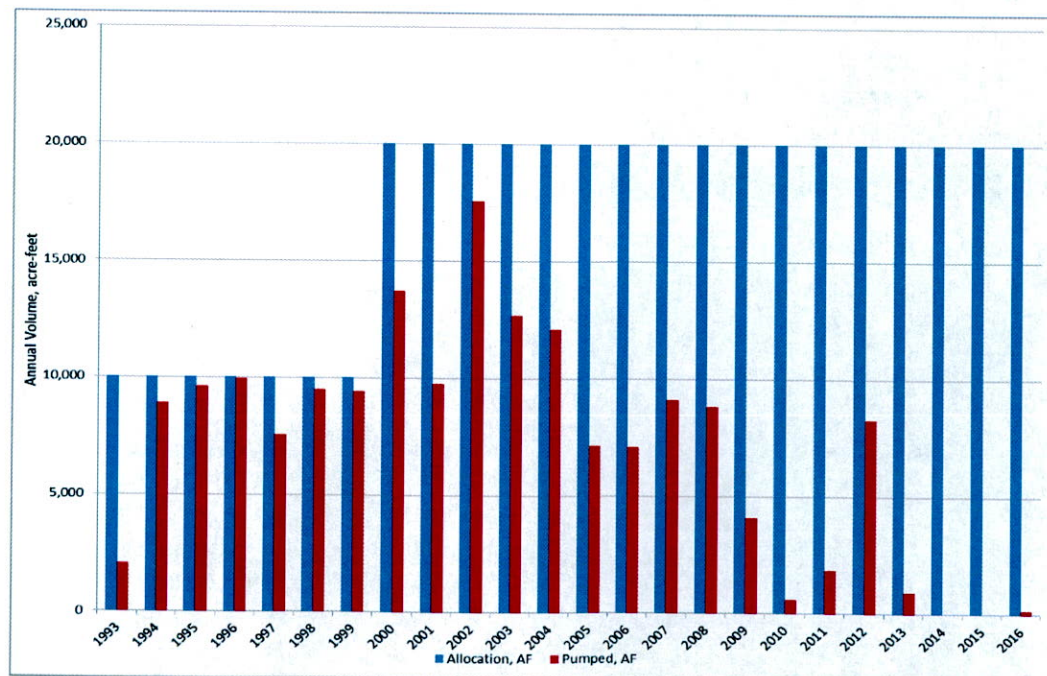


Figure 9. Total municipal allocation and reported use from the Big Sioux River for the river reach between the USGS gaging stations near Dell Rapids to the gaging station at North Cliff Avenue at Sioux Falls (Water Rights, 2018).

Figure 10 shows the daily percentile flow hydrographs for a 45 year period of record dating back to 1971 for the USGS stream gaging station at North Cliff Avenue at Sioux Falls. The 10 percentile curve is above 20 cfs value from the beginning of the irrigation season until the curve drops slightly below 20 cfs line for a few days the first part of September before rising above 20 cfs for the remainder of the irrigation season (USGS, 2018).

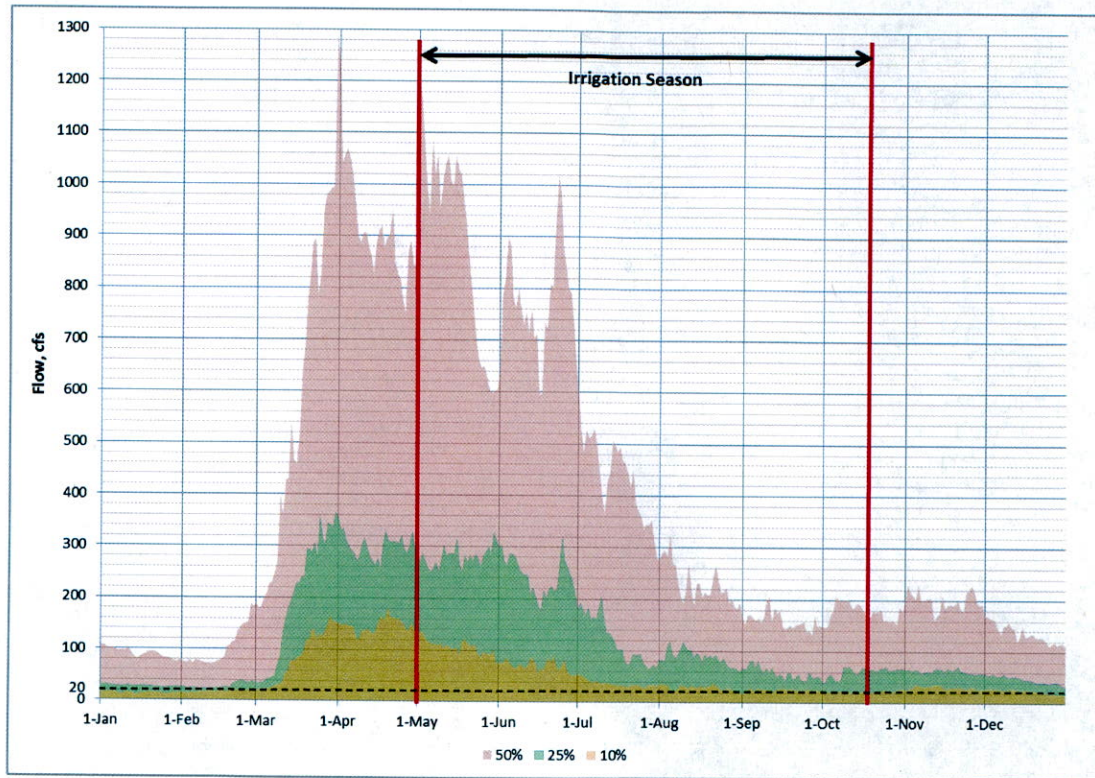


Figure 10. Daily percentile flow hydrographs for the USGS Big Sioux River gage at North Cliff Ave at Sioux Falls 1971-2017, contributing drainage area 3778 mi² (USGS, 2018).

The frequency of low flow events in this reach was examined by considering how many actual days the average daily flow was less than 20 cfs during the typical irrigation season of May through mid-October over the 45 year period of record. During that time frame 2.6% of the days had flow less than 20 cfs fell within May to mid-October irrigation season (USGS, 2018).

Figure 11 shows for period of record at the North Cliff Avenue gage the total number of days for each year the average daily flow in the Big Sioux River was less than 20 cfs. Similar to what was experienced in the upstream reaches, this reach can also experience during dry climatic conditions causing several day periods of low flow less than 20 cfs. The figure also shows there are many more years when the 20 cfs threshold is exceeded.

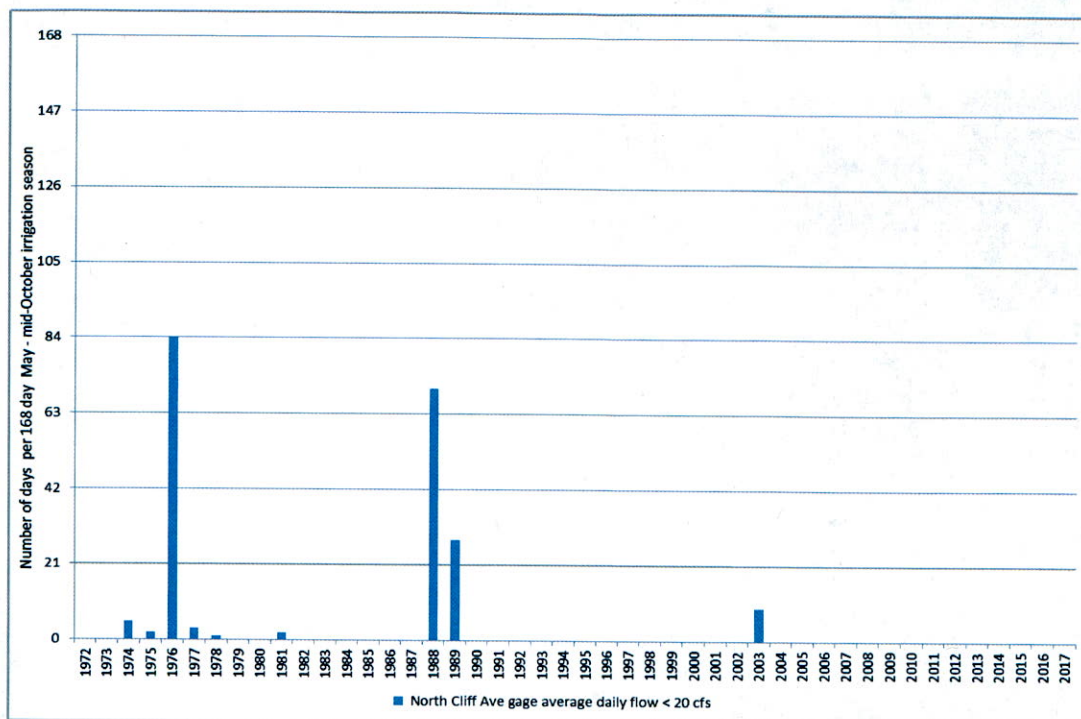


Figure 11. Total number of days for each year during the period of record the average daily flow in the Big Sioux River measured at the USGS gaging station at North Cliff Avenue at Sioux Falls was less than 20 cfs (USGS, 2018).

The five existing water permits in this Big Sioux River reach all contain a 20 cfs bypass requirement. The earlier issued water permits required 20 cfs bypassed at the diversion point while the later issued ones required a 20 cfs bypass at the USGS gaging station at North Cliff Avenue in Sioux Falls (Water Rights, 2018). In this reach it is proposed the existing bypass qualification on these five permits retain the 20 cfs bypass requirement but the qualification be amended to:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06482020 at North Cliff Avenue when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.

North Cliff Avenue at Sioux Falls to the Missouri River Confluence Reach

The southern reach of the Big Sioux River from the North Cliff Gage to the confluence with the Missouri River in southern Union County does not have any active water permits having bypass qualifications. As shown in Figure 12, the 10 percentile curve is above 50 cfs value throughout the entire irrigation season. This reach has not historically experienced a water shortage, and the Chief Engineer has not had to issue shutoff orders for any of the existing water permits located in this reach. There is not a proposal to amend any of the existing water permits in this lower reach of the Big Sioux River (USGS, 2018).

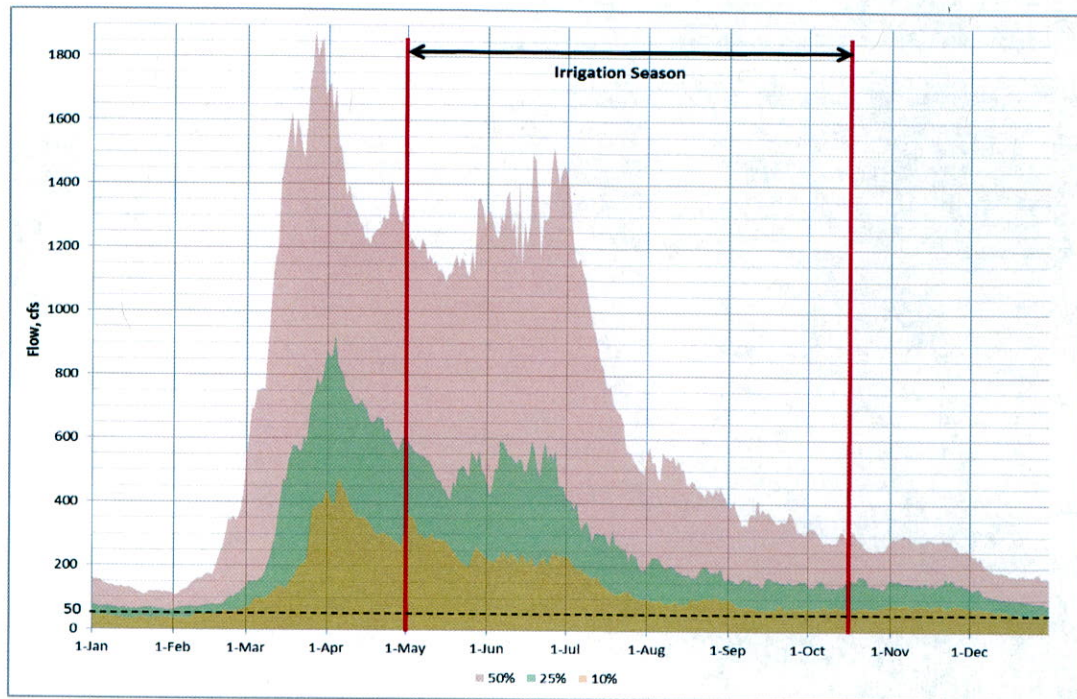


Figure 12. Daily percentile flow hydrographs for the USGS Big Sioux River gage at Akron IA 1971-2017, contributing drainage area 6995 mi² (USGS, 2018).

Considering Future Water Use

Anticipating future water demands from the Big Sioux River and climatic conditions may change over time. Particularly with the City of Sioux Falls holding two future use permits bearing a 1977 priority date reserving up to 30,000 acre-feet of water. It is proposed the following qualification be placed on all of the water permits being amended:

- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

The existing water permits without bypass qualifications and not targeted to be amended by this effort, will continue to be managed based upon their individual priority dates and location along the river.

Specific Proposed Qualification Revisions by Water Permit

In order to standardize the bypass qualifications for the existing water permits containing bypass qualifications in the Big Sioux River reach upstream from the USGS stream gaging station near Castlewood, the following changes are proposed.

Amendment to the qualifications contained in Water Right No. 1437-3

Delete Qualification:

- Diversions of water under this permit can only be made when there is flow of 5 or more cubic feet per second of water flowing at the diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, when pumping, unless at least 5 cfs is flowing past the USGS Gaging Station No. 06479525 near Castlewood, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Permit No. 7350-3

Delete Qualification:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, when pumping, unless at least 35 cfs is flowing past the USGS Gaging Station No. 06479525 near Castlewood, unless written orders have been issued by the Chief Engineer.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, when pumping, unless at least 5 cfs is flowing past the USGS Gaging Station No. 06479525 near Castlewood when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

To standardize the bypass qualifications for the 14 existing water rights/permits containing bypass qualifications in the Big Sioux River reach between the USGS stream gaging station near Castlewood downstream to the USGS stream gaging station near Dell Rapids, the following changes are proposed.

Amendment to the qualifications contained in Water Right No. 956-3

Delete Qualification:

- Natural flows in the Big Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This Permit is granted allowing withdrawals of water whenever 20 cfs or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 1175-3

Delete Qualification:

- Natural flows in the Big Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This Permit is granted allowing withdrawals of water whenever 20 cfs or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 1302-3

Delete Qualification:

- Natural flows in the Big Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This Permit is granted allowing withdrawals of water whenever 20 cfs or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 1350-3

Delete Qualification:

- Natural flows in the Big Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This Permit is granted allowing withdrawals of water whenever 30 cfs or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids

when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.

- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 1500-3

Delete Qualification:

- Natural flows in the Big Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This Permit is granted allowing withdrawals of water whenever 30 cfs or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 1696-3

Delete Qualification:

- Natural flows in the Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This Sioux River portion of this permit is granted allowing withdrawals of water whenever 35 cfs of water or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 1801-3

Delete Qualification:

- Natural flows in the Big Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This permit is granted allowing withdrawals of water whenever 35 cfs of water or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 1812-3**Delete Qualification:**

- Natural flows in the Big Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This permit is granted allowing withdrawals of water whenever 35 cfs of water or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 2065-3**Delete Qualification:**

- Natural flows in the Big Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This permit is approved allowing withdrawals whenever 45 cfs of water or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 2952-3**Delete Qualification:**

- Natural flows in the Big Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This permit is approved allowing withdrawals whenever 40 cfs of water or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 6042-3

Delete Qualification:

- Low flows as needed for downstream domestic use, including livestock water and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River unless at least 41 cfs is flowing past the Dell Rapids USGS Gaging Station, or unless written orders have been issued by the Chief Engineer. Diversions under this Permit are shall be in accordance with any written orders issued by the Chief Engineer.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 6124-3

Delete Qualification:

- Natural flows in the Big Sioux River are not a dependable source of water during the latter part of the summer. Prior appropriative rights and downstream domestic use must be respected. This permit is approved allowing withdrawals whenever 50 cfs of water or more is flowing past your diversion point.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.

- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 7110-3

Delete Qualification:

- Low flows as needed for domestic use, including livestock water and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, when pumping, unless at least 43 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, or unless written orders have been issued by the Chief Engineer. Diversions under this permit are shall be in accordance with any written orders issued by the Chief Engineer.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 8195-3

Delete Qualification:

- Low flows as needed for downstream domestic use, including livestock water and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, when pumping, unless at least 20 cfs is flowing at the North Cliff Avenue USGS Gaging Station No. 06482020 and 43 cfs is flowing at the Dell Rapids USGS Gaging Station No. 06481000, unless written orders have been issued by the Chief Engineer. Diversions under this Permit are shall be in accordance with any written orders issued by the Chief Engineer.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

To standardize the qualifications for the 5 existing water rights/permits containing bypass qualifications in the Big Sioux River reach between the USGS stream gaging station near Dell Rapids downstream to the USGS stream gaging station at North Cliff Avenue at Sioux Falls, the following changes are proposed.

Amendment to the qualifications contained in Water Right No. 5431-3

Delete Qualification:

- Permit No. 5431-3 does not authorize pumping from the Big Sioux River unless at least 20 cfs can be bypassed when pumping.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06482020 at North Cliff Avenue when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 5512-3

Delete Qualification:

- Permit No. 5512-3 does not authorize pumping from the Big Sioux River unless at least 20 cfs is being bypassed when pumping.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06482020 at North Cliff Avenue when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 5698-3

Delete Qualification:

- Permit No. 5698-3 does not authorize pumping from the Big Sioux River unless at least 20 cfs is being bypassed when pumping.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06482020 at North Cliff Avenue when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 6210-3

Delete Qualification:

- Low flows as needed for downstream domestic use, including livestock water and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River,

when pumping, unless at least 20 cfs is flowing at the Cliff Avenue USGS Gaging Station, or unless written orders have been issued by the Chief Engineer.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06482020 at North Cliff Avenue when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Amendment to the qualifications contained in Water Right No. 6210A-3

Delete Qualification:

- Low flows as needed for downstream domestic use, including livestock water and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, when pumping, unless at least 20 cfs is flowing at the North Cliff Avenue USGS Gaging Station No. 06482020, or unless written orders have been issued by the Chief Engineer. Diversions under this Permit are subject to senior water rights and any written orders issued by the Chief Engineer.

Add Qualifications:

- Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06482020 at North Cliff Avenue when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
- The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

Conclusions

1. Currently there are 58 active water permits authorized for the Big Sioux River from the headwaters in Roberts County to the mouth in Union County. Currently 21 of the existing water permits contain some sort of flow bypass qualification.
2. Since many water permits have been cancelled over the years, the system of various bypass requirements on several existing Big Sioux water permits are not putting water to beneficial use to the highest extent possible for the current water permit holders. The system is also difficult to manage for the Water Rights Program.
3. A fresh look was taken of the original bypass requirements to determine whether the original bypass levels would be effective limits for the existing active water rights. The review was completed of the original bypass requirements taking into consideration the existing water rights, the qualifications placed on them, their authorized use, the location of their diversion points, their annual period of use and historic stream flow data.

4. Based upon this review, the river was broken into four separate bypass management reaches and standardized qualifications are proposed for each of these reaches.
5. Anticipating future water demands from the Big Sioux River and climatic conditions may change over time, the amendments to the water permits being amended should also contain a qualification allowing the Water Management Board to retain jurisdiction to address future issues if as necessary.
6. On the reach upstream from the Castlewood gaging station, for the two water permits containing bypass requirements replace those qualifications with:
 - Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, when pumping, unless at least 5 cfs is flowing past the USGS Gaging Station No. 06479525 near Castlewood, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
 - The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.
7. On the reach between the Castlewood gaging station and the Dell Rapids gaging station, for the 14 water permits containing bypass requirements replace those qualifications with:
 - Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
 - The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.
8. On the reach upstream from the Dell Rapids gaging station to the North Cliff Avenue gaging station, for the five water permits containing bypass requirements replace those qualifications with:
 - Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06482020 at North Cliff Avenue when pumping, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.
 - The Water Management Board is retaining jurisdiction of this permit in the event additional information shows that adjustments need to be made to the bypass requirements.

9. The existing water permits without bypass qualifications and not targeted to be amended by this effort, will continue to be managed based upon their individual priority dates and location along the river.



Mark D. Rath
Natural Resources Engineer III

References

- Hoogestraat, G.K. and J. F. Stamm, 2015. Climate and Streamflow Characteristics for Selected Streamgages in Eastern South Dakota, Water Years 1945–2013. USGS Scientific Investigations Report 2015-5146.
- USGS. 2018. United States Geological Survey, National Water Information System – Stream Gaging Station Network for South Dakota.
- Water Rights. 2018. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

NOTICE OF HEARING ON CHIEF ENGINEER'S RECOMMENDATION FOR BIG SIOUX RIVER WATER RIGHTS

Notice is given that the Water Rights Program, Department of Environment and Natural Resources, 523 E Capitol Avenue, Pierre SD 57501 proposes that the Water Management Board amend conditions placed on many Big Sioux River water rights in South Dakota. The objective is to bring consistency among water rights from the river and the ability for the Chief Engineer to issue written orders to allow pumping to continue if climatic conditions are favorable. The amendments will not increase either the authorized diversion rate or number of irrigated acres authorized under existing Big Sioux River water rights.

Currently, water rights differ in the amount of water that must be bypassed at the pump site or at a United States Geological Survey (USGS) gaging station in order for pumping to occur. The Water Rights Program has reviewed all Big Sioux River water rights and determined that the conditions can be modified to a standard bypass at one of three gaging stations depending on the stream segment where the water right is located. It is proposed that the bypass condition along the river is best managed in three segments identified by USGS gaging stations as follows:

1. River reach upstream from the USGS gaging station near Castlewood;
2. River reach between USGS gaging station near Castlewood downstream to gaging station near Dell Rapids;
3. River reach between USGS gaging station near Dell Rapids downstream to gaging station near North Cliff Avenue in Sioux Falls.

Water rights that currently have a bypass condition will be amended such that those water rights upstream of the Castlewood gaging station will have a 5 cubic feet of water per second (cfs) bypass requirement. Those water rights in the two other reaches described above will have a 20 cfs bypass requirement referenced to either the Dell Rapids or North Cliff Avenue gaging station depending on the location of the water right. Water rights with senior priority dates that do not currently have a bypass requirement will see no change.

The proposed amendment will not impose any conditions more restrictive than the conditions currently in place on any water right. Big Sioux River water right holders whose bypass condition is proposed for amendment will be provided personal notice of the proposed amendment to their water right.

The Chief Engineer recommends that the Water Management Board approve deletion of the existing bypass condition on applicable water rights and add the following qualifications specific to the bypass flow at a referenced gaging station depending on the location of the water right.

1. Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This water right does not authorize diversion of water from the Big Sioux River, when pumping, unless at least "X" cfs is flowing past the USGS Gaging Station "IDENTIFY APPLICABLE STATION" unless written orders have been issued by the Chief Engineer. Diversions under this water right shall be in accordance with any written orders issued by the Chief Engineer.
2. The Water Management Board is retaining jurisdiction of this water right in the event additional information shows that adjustments need to be made to the bypass requirements.

Any interested person opposing or supporting the proposed amendment and intending to participate in the hearing shall file a petition with the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". A petition filed by either an interested person or a water right holder must be filed by February 26, 2018.

The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest, the petitioner's reasons for opposing or supporting the proposed change, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. The hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

The staff report including affected water rights and the proposed changes is available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided above.

The Water Management Board will consider the proposed changes at 11:30 a.m. on March 7, 2018, in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The hearing will be held pursuant to the provisions of SDCL 46-1-14 and 46-2-17.

The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) modify, 3) defer, or 4) deny the proposed amendments after it reaches a conclusion based on facts at the public hearing. The Board has legal authority and jurisdiction to consider this matter pursuant to SDCL 46-2-9 and 46-2-11.

The March 7, 2018 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from any person who has filed a petition to oppose or support the proposed change. The request for an automatic delay must be filed by February 26, 2018. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting and personal notice will be provided to all petitioners regarding the time, date and location.

Notice is given to individuals with disabilities that this hearing is being held in a physically accessible place. Please notify the Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing. The telephone number for making arrangements is (605) 773-3352.

Under SDCL 1-26-18.3, in any contested case, if the amount in controversy exceeds \$2,500.00 "or if a property right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." If you choose to use the Office of Hearing Examiners rather than the hearing procedure before the Water Management Board set forth above, you need to notify the Chief Engineer (Water Rights Program, 523 E Capitol Avenue, Pierre SD) by February 26, 2018.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at an approximate cost of_____.

Schlaak, Karen

From: Schlaak, Karen
Sent: Friday, February 09, 2018 8:36 AM
To: allegals@argusleader.com
Subject: Notice of Hearing - Big Sioux River Water Rights
Attachments: BigSiouxWRqualif.wmb.docx; FORM8.FRM.doc

Attached is a notice to be published on February 15, 2018.

The Water Rights Program will pay for this publication.

Please send the affidavit or return the attached Proof of Publication form and the invoice as soon as possible to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352



Schlaak, Karen

From: Schlaak, Karen
Sent: Friday, February 09, 2018 8:37 AM
To: mce6@mcisweb.com
Subject: Notice of Hearing - Big Sioux River Water Rights
Attachments: BigSiouxWRqualif.wmb.docx; FORM8.FRM.doc

Attached is a notice to be published on February 14, 2018.

The Water Rights Program will pay for this publication.

Please send the affidavit or return the attached Proof of Publication form and the invoice as soon as possible to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352



Schlaak, Karen

From: Schlaak, Karen
Sent: Friday, February 09, 2018 8:35 AM
To: svn@siouxvalleynewsonline.com
Subject: Notice of Hearing - Big Sioux River Water Rights
Attachments: BigSiouxWRqualif.wmb.docx; FORM8.FRM.doc

Attached is a notice to be published on February 15, 2018.

The Water Rights Program will pay for this publication.

Please send the affidavit or return the attached Proof of Publication form and the invoice as soon as possible to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352



Schlaak, Karen

From: Schlaak, Karen
Sent: Friday, February 09, 2018 8:34 AM
To: Hamlin County Publishing (hcp@itctel.com)
Subject: Notice of Hearing - Big Sioux River Water Rights
Attachments: BigSiouxWRqualif.wmb.docx; FORM8.FRM.doc

Attached is a notice to be published on February 14, 2018 in the Hamlin County Republican, Castlewood SD.

The Water Rights Program will pay for this publication.

Please send the affidavit or return the attached Proof of Publication form and the invoice as soon as possible to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352



Schlaak, Karen

From: Schlaak, Karen
Sent: Friday, February 09, 2018 8:32 AM
To: legals@thepublicopinion.com
Subject: Notice of Hearing - Big Sioux River Water Rights
Attachments: BigSiouxWRqualif.wmb.docx; FORM8.FRM.doc

Attached is a notice to be published on February 15, 2018.

The Water Rights Program will pay for this publication.

Please send the affidavit or return the attached Proof of Publication form and the invoice as soon as possible to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352



Schlaak, Karen

From: Schlaak, Karen
Sent: Friday, February 09, 2018 8:37 AM
To: registerclassifieds (registerclassifieds@brookingsregister.com)
Subject: Notice of Hearing - Big Sioux River Water Rights
Attachments: BigSiouxWRqualif.wmb.docx; FORM8.FRM.doc

Attached is a notice to be published on February 15, 2018.

The Water Rights Program will pay for this publication.

Please send the affidavit or return the attached Proof of Publication form and the invoice as soon as possible to the Water Rights Program, 523 E Capitol, Pierre SD 57501.

Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352



Schlaak, Karen

From: Schlaak, Karen
Sent: Friday, February 09, 2018 8:38 AM
To: G5 (leader1@iw.net)
Subject: Notice of Hearing - Big Sioux River Water Rights
Attachments: BigSiouxWRqualif.wmb.docx; FORM8.FRM.doc

Attached is a notice to be published on February 15, 2018.

The Water Rights Program will pay for this publication.

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Let me know if you have questions. Please acknowledge receipt of this email.

Karen Schlaak
SD DENR, Water Rights Program
(605) 773-3352



CUSTOMER NUMBER:	78306	Argus Leader P.O. Box 677349, Dallas, TX 75267-7349
INVOICE NUMBER:	2727212	
RUN DATES:	2/15, 2018	
		AMOUNT DUE: \$162.36

RECEIVED
FEB 20 2018
WATER RIGHTS PROGRAM

Attn: Karen Schlaak
 Water Rights Program
 523 E. Capital - Jose Foss Building
 Pierre, SD 57501-0000

DETACH THIS STUB AND RETURN WITH PAYMENT

PAYMENT DUE UPON RECEIPT

AFFIDAVIT OF PUBLICATION-

Customer Number: 78306
 Invoice Number: 902065

523 E. Capital - Jose Foss Building

Argus Leader

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA

COUNTY OF MINNEHAHA } ss

Sara Kruse being duly sworn, says: That The **Argus Leader** is, and during all the times hereinafter mentioned was, a daily legal newspaper as defined by SDCL 17-2-2.1, as amended published at Sioux Falls, Minnehaha County, South Dakota; that affiant is and during all of said times, was an employee of the publisher of such newspaper and has personal knowledge of the facts stated in this affidavit; that the notice, order or advertisement, a printed copy of which is hereto attached, was published in said newspaper upon

Thursday	the	15	day of	February	2018	,
	the		day of		2018	,
	the		day of		2018	,
	the		day of		2018	,
	the		day of		2018	,
	the		day of		2018	,
	the		day of		2018	,
	the		day of		2018	,

and that \$162.36 was charged for publishing the same

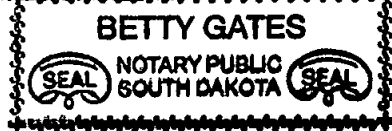
Sara Kruse

Subscribed and sworn to before me 2/15/18

Betty Gates

Notary Public, South Dakota

My Commission expires March 14, 2023



amendments will not increase either the authorized diversion rate or number of irrigated acres authorized under existing Big Sioux River water rights. Currently, water rights differ in the amount of water that must be bypassed at the pump site or at a United States Geological Survey (USGS) gaging station in or near the water right. The Water Rights Program has reviewed all Big Sioux River water rights and determined that the conditions can be modified to a standard bypass of one of three gaging stations depending on the stream segment where the water right is located. It is proposed that the bypass condition along the river is best managed in three segments identified by USGS gaging stations as follows:

1. River reach upstream from the USGS gaging station near Castlewood;
2. River reach between USGS gaging station near Castlewood downstream to gaging station near Dell Rapids;
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Water rights that currently have a bypass condition will be amended such that those water rights upstream of the Castlewood gaging station will have a 5 cubic feet per second (cfs) bypass requirement. Those water rights in the two other reaches described above will have a 20 cfs bypass requirement referenced to either the Dell Rapids or North Cliff Avenue gaging station depending on the location of the water right. Water rights with senior priority dates that do not currently have a bypass requirement will see no change.

The proposed amendment will not impose any conditions more restrictive than the conditions currently in place on any water right. Big Sioux River water right holders whose bypass condition is proposed for amendment will be provided personal notice of the proposed amendment to their water rights in South Dakota. The objective is to bring consistency among the Water Rights Program and the ability for the Chief Engineer to issue written condition orders to allow pumping to continue if climatic conditions are favorable. The referenced gaging station depending on the location of the water right.

1. Low flows as needed for downstream domestic use, including livestock water, and prior rights must be bypassed. This water right does not authorize diversion of water from the Big Sioux River, when pumping, unless at least "X" cfs is flowing past the USGS Gaging Station "IDENTIFY APPLICABLE STATION" unless written orders have been issued by the Chief Engineer.
2. The Water Management Board is retaining jurisdiction of this water right in the event additional information shows that adjustments need to be made to the bypass requirements. Any interested person opposing or supporting the proposed amendment and intending to participate in the hearing shall file a petition with the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E. Capitol, Pierre SD 57501 (605 773-3352)". A petition filed by either an interested person or a water right holder must be filed by February 26, 2018.

The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest, the petitioner's reasons for opposing or supporting the proposed change, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if the hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

The staff report including affected water rights and the proposed changes is available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided above.

The Board will consider the proposed changes at 11:30 a.m. on March 7, 2018, in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave, Pierre SD. The hearing will be held pursuant to the provisions of SDCL 46-1-14 and 46-2-17. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to: 1) approve, 2) modify, 3) defer, or 4) deny the proposed amendments after it reaches a conclusion based on facts of the public hearing. The Board has legal authority and jurisdiction to consider this matter pursuant to SDCL 46-2-9 and 46-2-11.

The March 7, 2018 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from any person who has filed a petition to oppose or support the proposed change. The request for an automatic delay must be filed by February 26, 2018. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting. The Chief Engineer's and personal notice will be provided to all petitioners regarding the time, date and location.

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Under SDCL 1-26-18.3, in any contested case, if the amount in controversy exceeds \$2,500.00 "or if a party's right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." If you choose to use the Office of Hearing Examiners rather than the hearing procedure before the Water Management Board, you need to notify the Chief Engineer (Water Rights Program, 523 E. Capitol Avenue, Pierre SD) by February 26, 2018.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once on an approximate cost of \$162.36. 2727212 Feb 15, 2018

NOTICE OF HEARING ON CHIEF ENGINEER'S RECOMMENDATION FOR BIG SIOUX RIVER WATER RIGHTS
 Notice is given that the Water Rights Program, Department of Environment and Natural Resources, 523 Big Sioux River water right E. Capitol Avenue, Pierre SD 57501 proposes that the Water Management Board amend conditions placed on many Big Sioux River water rights in South Dakota. The objective is to bring consistency among the Water Rights Program and the ability for the Chief Engineer to issue written condition orders to allow pumping to continue if climatic conditions are favorable. The

February 20, 2018

PAYMENT REQUEST FORM

PAYEE: Argus Leader
PO Box 677349
Dallas, TX

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Affidavit of Publication

AMOUNT: \$162.36

FUNDING SOURCE:

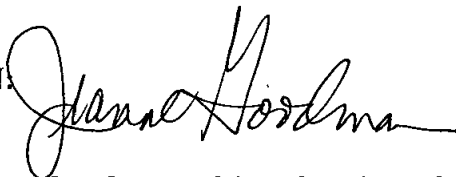
GENERAL: X

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION:



I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.

RECEIVED

MAR 07 2018

WATER RIGHTS
PROGRAM

Affidavit of Publication

State of South Dakota

Exhibit "A"

ss

County of Brookings

Katherine Foiles of said county, first duly sworn, on oath, says: That she is the office clerk of THE BROOKINGS REGISTER, a daily newspaper, printed and published in the City of Brookings, in said County of Brookings, and State of South Dakota; that she has full and personal knowledge of the facts herein stated; that said newspaper is a legal newspaper and has a bona fide circulation of at least two hundred copies of each issue daily; that said newspaper has been published within the said County of Brookings and State of South Dakota, for more than one year prior to the first publication of Exhibit "A," hereto attached and herein mentioned, and was and is printed that the

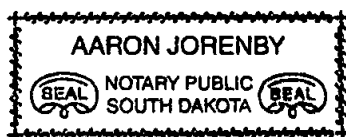
Leg#164 Notice on Hearing

same was published, is hereto attached marked Exhibit said newspaper for _____ 1 times, to-wit:

February 15, 2018

said Exhibit "A" inures to the sole benefit for the publishers of said newspaper; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whomsoever; that the fees charged for the publication thereof are:

Sixty-Seven Dollars and Seventy-Three Cents \$67.73



KM Foiles

26 day of

February

2018

Notary Public in and for the County of Brookings, South Dakota.
My Commission expires February 22, 2020.

Legal 164, 1x, 2/15
NOTICE OF HEARING
ON CHIEF ENGINEER'S RECOMMENDATION FOR BIG SIOUX RIVER WATER RIGHTS

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 2. River reach between USGS gaging station near Castlewood downstream to gaging station near Dell Rapids;
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- The proposed amendment will not impose any conditions more restrictive than the conditions currently in place on any water right. Big Sioux River water right holders whose bypass condition is proposed for amendment will be provided personal notice of the proposed amendment to their water right.
- The Chief Engineer recommends that the Water Management Board approve deletion of the existing bypass condition on applicable water rights and add the following qualifications specific to the bypass flow at a referenced gaging station depending on the location of the water right.
1. Low flows as needed for downstream domestic use, including livestock water, and prior rights must be bypassed. This water right does not authorize diversion of water from

the Big Sioux River, when pumping, unless at least "X" cfs is flowing past the USGS Gaging Station "IDENTIFY APPLICABLE STATION" unless written orders have been issued by the Chief Engineer. Diversions under this water right shall be in accordance with any written orders issued by the Chief Engineer.

2. The Water Management Board is retaining jurisdiction of this water right in the event additional information shows that adjustments need to be made to the bypass requirements.

Any interested person opposing or supporting the proposed amendment and intending to participate in the hearing shall file a petition with the Chief Engineer.

The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". A petition filed by either an interested person or a water right holder must be filed by February 26, 2018.

The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest, the petitioner's reasons for opposing or supporting the proposed change, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. The hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

The staff report including affected water rights and the proposed changes is available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided above.

The Water Management Board will consider the proposed changes at 11:30 a.m. on March 7, 2018, in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The hearing will be held pursuant to the provisions of SDCL 46-1-14 and 46-2-17.

The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) modify, 3) defer, or 4) deny the proposed amendments after it reaches a conclusion based on facts at the public hearing. The Board has legal authority and jurisdiction to consider this matter pursuant to SDCL 46-2-9 and 46-2-11.

The March 7, 2018 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from any person who has filed a petition to oppose or support the proposed change. The request for an automatic delay must be filed by February 26, 2018. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting and personal notice will be provided to all petitioners regarding the time, date and location. Notice is given to individuals with disabilities that this hearing is being held in a physically accessible place. Please notify the Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing. The telephone number for making arrangements is (605)

773-3352.

Under SDCL 1-26-18.3, in any contested case, if the amount in controversy exceeds \$2,500.00 "or if a property right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." If you choose to use the Office of Hearing Examiners rather than the hearing procedure before the Water Management Board set forth above, you need to notify the Chief Engineer (Water Rights Program, 523 E Capitol Avenue, Pierre SD) by February 26, 2018. Steven M. Pirner, Secretary, Department of Environment and Natural Resources. Published once at the total approximate cost of \$67.73.

March 7, 2018

PAYMENT REQUEST FORM

PAYEE: Brookings Register
PO Box 177
Brookings, SD 57006-0177

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Notice of Hearing

AMOUNT: \$67.73

FUNDING SOURCE:

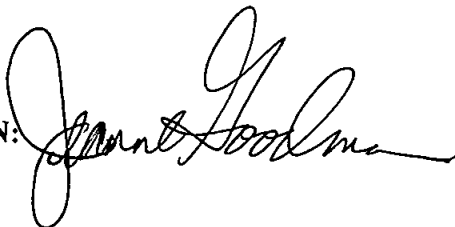
GENERAL: X

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION:



I declare and affirm under the penalties of perjury that this claim is in all things, true and correct.
I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.

312 5TH ST
P.O. BOX 177
BROOKINGS, SD 57006-0177
Phone (605) 692-6271 Fax (605) 692-2979

WATER RIGHTS PROGRAM

CUSTOMER
NUMBER 106003

AMOUNT \$ _____
ENCLOSED _____

Affidavit of Publication

STATE OF SOUTH DAKOTA
COUNTY OF MOODY) SS

MARY LYNN HEADRICK, of said county, being first duly sworn on oath says that she is the bookkeeper of the Moody County Enterprise, a weekly newspaper printed and published in said county of Moody and State of South Dakota, and has full and personal knowledge of all the facts herein stated; that said newspaper is a legal newspaper and has a bona fide circulation of at least 200 copies weekly, and has been published within said county for 52 consecutive weeks next prior to the publication of the notice herein mentioned, and was and is printed wholly or in part in an office maintained at said place of publication; that the advertisement headed:

*Notice of hearing on Chief
Engineer's Recommendation
for Big Sioux River Water Rights*

a printed copy of which, taken from the newspaper in which the same was published, is attached to this sheet and is made a part of this affidavit, was published in said newspaper at least once in each week for 1 successful weeks, on the day of each week on which said newspaper was regularly published, to wit:

2-14-18

that the full amount of the fee charged for the publication of said Notice inures to the benefit of the publisher of said newspaper; that no agreement or understanding for the division thereof has been made with any person, and that no part thereof has been agreed to be paid to any person whomsoever, and that the fees charged for the publication thereof are

\$ 75⁶²

M. Headrick bookkeeper
Subscribed and sworn to before me this

15th day of February AD 2018

Notary Public, County Moody, South Dakota
ROGER W. JANUSSEN

NOTARY PUBLIC
SOUTH DAKOTA

My commission expires 2/14/18

RECEIVED

FEB 28 2018

WATER RIGHTS
PROGRAM

NOTICE OF HEARING ON CHIEF ENGINEER'S RECOMMENDATION FOR BIG SIOUX RIVER WATER RIGHTS

Notice is given that the Water Rights Program, Department of Environment and Natural Resources, 523 E Capitol Avenue, Pierre SD 57501 proposes that the Water Management Board amend conditions placed on many Big Sioux River water rights in South Dakota. The objective is to bring consistency among water rights from the river and the ability for the Chief Engineer to issue written orders to allow pumping to continue if climatic conditions are favorable. The amendments will not increase either the authorized diversion rate or number of irrigated acres authorized under existing Big Sioux River water rights.

Currently, water rights differ in the amount of water that must be bypassed at the pump site or at a United States Geological Survey (USGS) gaging station in order for pumping to occur. The Water Rights Program has reviewed all Big Sioux River water rights and determined that the conditions can be modified to a standard bypass at one of three gaging stations depending on the stream segment where the water right is located. It is proposed that the bypass condition along the river is best managed in three segments identified by USGS gaging stations as follows:

1. River reach upstream from the USGS gaging station near Castlewood;
2. River reach between USGS gaging station near Castlewood downstream to gaging station near Dell Rapids;
3. River reach between USGS gaging station near Dell Rapids downstream to gaging station near North Cliff Avenue in Sioux Falls.

Water rights that currently have a bypass condition will be amended such that those water rights upstream of the Castlewood gaging station will have a 5 cubic feet of water per second (cfs) bypass requirement. Those water rights in the two other reaches described above will have a 20 cfs bypass requirement referenced to either the Dell Rapids or North Cliff Avenue gaging station depending on the location of the water right. Water rights with senior priority dates that do not currently have a bypass requirement will see no change.

The proposed amendment will not impose any conditions more restrictive than the conditions currently in place

on any water right. Big Sioux River water right holders whose bypass condition is proposed for amendment will be provided personal notice of the proposed amendment to their water right.

The Chief Engineer recommends that the Water Management Board approve deletion of the existing bypass condition on applicable water rights and add the following qualifications specific to the bypass flow at a referenced gaging station depending on the location of the water right.

1. Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This water right does not authorize diversion of water from the Big Sioux River, when pumping, unless at least "X" cfs is flowing past the USGS Gaging Station "IDENTIFY APPLICABLE STATION" unless written orders have been issued by the Chief Engineer. Diversions under this water right shall be in accordance with any written orders issued by the Chief Engineer.

2. The Water Management Board is retaining jurisdiction of this water right in the event additional information shows that adjustments need to be made to the bypass requirements.

Any interested person opposing or supporting the proposed amendment and intending to participate in the hearing shall file a petition with the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". A petition filed by either an interested person or a water right holder must be filed by February 26, 2018.

The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest, the petitioner's reasons for opposing or supporting the proposed change, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. The hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

The staff report including affected water rights and the proposed changes is available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the

County of _____

AFFIDAVIT OF PUBLICATION

Filed in the office of _____

on the _____ day

Attorney for _____

Water Rights Program address provided above.

The Water Management Board will consider the proposed changes at 11:30 a.m. on March 7, 2018, in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The hearing will be held pursuant to the provisions of SDCL 46-1-14 and 46-2-17.

The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) modify, 3) defer, or 4) deny the proposed amendments after it reaches a conclusion based on facts at the public hearing. The Board has legal authority and jurisdiction to consider this matter pursuant to SDCL 46-2-9 and 46-2-11.

The March 7, 2018 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from any person who has filed a petition to oppose or support the proposed change. The request for an automatic delay must be filed by February 26, 2018. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting and personal notice will be provided to all petitioners regarding the time, date and location.

Notice is given to individuals with disabilities that this hearing is being held in a physically accessible place. Please notify the Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing. The telephone number for making arrangements is (605) 773-3352.

Under SDCL 1-26-18.3, in any contested case, if the amount in controversy exceeds \$2,500.00 "or if a property right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." If you choose to use the Office of Hearing Examiners rather than the hearing procedure before the Water Management Board set forth above, you need to notify the Chief Engineer (Water Rights Program, 523 E Capitol Avenue, Pierre SD) by February 26, 2018.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Published once at approximate cost of \$76

March 2, 2018

PAYMENT REQUEST FORM

PAYEE: Moody County Enterprise
PO Box 71
Flandreau, SD 57028

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Notice of Hearing

AMOUNT: \$75.62

FUNDING SOURCE:

GENERAL: X

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION: 

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.

Invoice
Moody County Enterprise
PO Box 71
Flandreau, SD 57028

Water Rights
523 E Capitol
Pierre SD 57501

Date	Item advertised	Rate
2-14-18	Notice of Hearing	75.62
Total		\$75.62

Payment can be sent to us at the above address.
Thank you

Affidavit of Publication

STATE OF SOUTH DAKOTA
COUNTY OF LINCOLN

ANDY WILCOX

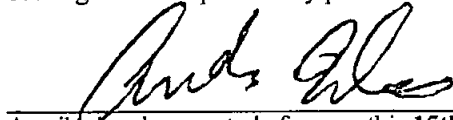
being first duly sworn on his oath says; that the Sioux Valley News is a legal weekly newspaper of general circulation as required by South Dakota Code of Nineteen Hundred Thirty-Nine, and any acts amendatory thereto, printed and published by the Sioux Valley News, Inc., in Canton, in said county and State, and has been such legal newspaper during the time hereinafter mentioned; that he is and during all of said time was publisher of said newspaper and has personal knowledge of the facts stated in this affidavit; that the advertisement headed:

DENR Water Rights Program Notice of Hearing

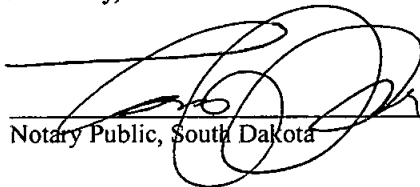
a printed copy of which is hereto attached, was printed and published in said newspaper for ONE successive week(s) upon the following dates, to-wit:

February 15, 2018

that the full amount of the fees charged for publishing the same to-wit: the sum of \$72.47 inures solely to the benefit of the publishers of said newspaper; that no agreement or understanding for any division of this sum has been made with any other person; and that no part of said sum has been agreed to be paid to any person whomsoever.

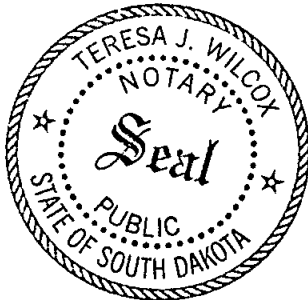


Ascribed and sworn to before me this 15th day of
February, 2018.



Notary Public, South Dakota

(Seal)



NOTICE OF HEARING ON CHIEF ENGINEER'S RECOMMENDATION FOR BIG SIOUX RIVER WATER RIGHTS

Notice is given that the Water Rights Program, Department of Environment and Natural Resources, 523 E Capitol Avenue, Pierre SD 57501 proposes that the Water Management Board amend conditions placed on many Big Sioux River water rights in South Dakota. The objective is to bring consistency among water rights from the river and the ability for the Chief Engineer to issue written orders to allow pumping to continue if climatic conditions are favorable. The amendments will not increase either the authorized diversion rate or number of irrigated acres authorized under existing Big Sioux River water rights.

Currently, water rights differ in the amount of water that must be bypassed at the pump site or at a United States Geological Survey (USGS) gaging station in order for pumping to occur. The Water Rights Program has reviewed all Big Sioux River water rights and determined that the conditions can be modified to a standard bypass at one of three gaging stations depending on the stream segment where the water right is located. It is proposed that the bypass condition along the river is best managed in three segments identified by USGS gaging stations as follows:

1. River reach upstream from the USGS gaging station near Castlewood;
2. River reach between USGS gaging station near Castlewood downstream to gaging station near Dell Rapids;
3. River reach between USGS gaging station near Dell Rapids downstream to gaging station near North Cliff Avenue in Sioux Falls.

Water rights that currently have a bypass condition will be amended such that those water rights upstream of the Castlewood gaging station will have a 5 cubic feet of water per second (cfs) bypass requirement. Those

water rights in the two other reaches described above will have a 20 cfs bypass requirement referenced to either the Dell Rapids or North Cliff Avenue gaging station depending on the location of the water right. Water rights with senior priority dates that do not currently have a bypass requirement will see no change.

The proposed amendment will not impose any conditions more restrictive than the conditions currently in place on any water right. Big Sioux River water right holders whose bypass condition is proposed for amendment will be provided personal notice of the proposed amendment to their water right.

The Chief Engineer recommends that the Water Management Board approve deletion of the existing bypass condition on applicable water rights and add the following qualifications specific to the bypass flow at a referenced gaging station depending on the location of the water right.

1. Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This water right does not authorize diversion of water from the Big Sioux River, when pumping, unless at least "X" cfs is flowing past the USGS Gaging Station "IDENTIFY APPLICABLE STATION" unless written orders have been issued by the Chief Engineer. Diversions under this water right shall be in accordance with any written orders issued by the Chief Engineer.

2. The Water Management Board is retaining jurisdiction of this water right in the event additional information shows that adjustments need to be made to the bypass requirements.

Any interested person opposing or supporting the proposed amendment and intending to participate in the

My Commission Expires
December 9, 2020

RECEIVED

FEB 26 2018

WATER RIGHTS
PROGRAM

hearing shall file a petition with the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". A petition filed by either an interested person or a water right holder must be filed by February 26, 2018.

The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest, the petitioner's reasons for opposing or supporting the proposed change, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. The hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

The staff report including affected water rights and the proposed changes is available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided above.

The Water Management Board will consider the proposed changes at 11:30 a.m. on March 7, 2018, in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The hearing will be held pursuant to the provisions of SDCL 46-1-14 and 46-2-17.

The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) modify, 3) defer, or 4) deny the proposed amendments after it reaches a conclusion based on facts at the public hearing. The Board has legal authority and jurisdiction to consider this matter pursuant to SDCL 46-2-9 and 46-2-11.

* The March 7, 2018 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from any person who has filed a petition to oppose or support the proposed change. The request for an automatic delay must be filed by February 26, 2018. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting and personal notice will be provided to all petitioners regarding the time, date and location.

Notice is given to individuals with disabilities that this hearing is being held in a physically accessible place. Please notify the Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing. The telephone number for making arrangements is (605) 773-3352.

Under SDCL 1-26-18.3, in any contested case, if the amount in controversy exceeds \$2,500.00 "or if a property right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." If you choose to use the Office of Hearing Examiners rather than the hearing procedure before the Water Management Board set forth above, you need to notify the Chief Engineer (Water Rights Program, 523 E Capitol Avenue, Pierre SD) by February 26, 2018.

Steven M. Pirner, Secretary,
Department of Environment and
Natural Resources.

Published in the Sioux Valley News
on February 15, 2018, at the total
approximate cost of \$72.47.

February 26, 2018

PAYMENT REQUEST FORM

PAYEE: Sioux Valley News Inc.
PO Box 255
Canton, SD

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Affidavit of Publication-Big Sioux River

AMOUNT: \$72.47

FUNDING SOURCE:

GENERAL: X

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION: 

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct.
I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.

Sioux Valley News Inc.
213 East 5th St P O Box 255
Canton SD 57013

Statement	2/22/2018	50
	DATE	NUMBER

Phone Number: (605) 764-2000
Please return yellow copy
with payment.

Next Closing Day March 29, 2018

ID# 541

Dept of Environment & Natural Resou
Attn: Karen Water Rights Program
523 East Capitol, Joe Foss Building
Pierre SD 57501

We now offer online Subscriptions!
www.SiouxValleyNewsOnline.com

Balance Due: 72.47

Date	Description	Units	Debit	Credit
02/15/2018	Legals		72.47	
	Big Sioux River Notice			
	Balance Due		72.47	

Current	30	60	90	90+
72.47	0.00	0.00	0.00	0.00

Service charge of 1-3/4% per month (21% per year) on accounts 30 days past due. Minimum charge \$30.
In addition, costs and reasonable attorney's fees for collection may be charged.

RECEIVED

FEB 22 2018

Form 8

WATER RIGHTS
PROGRAM

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County of Codington) SS

I, Jackie Wettstad

certify that the attached printed Notice was taken

from the Watertown

Public Opinion

printed and published in Watertown

County of Codington and

state of South Dakota. The notice was published

in the newspaper on the following date:

February 15, 2018

Cost of Printing \$131.01

Jackie Wettstad
(Signature)

Accounting Clerk
(Title)

2/19/18
(Date Signed)

DEPT OF ENVIRONMENT AND NATURAL RESOURCES

NOTICE OF HEARING
ON CHIEF ENGINEER'S
RECOMMENDATION FOR BIG
SIOUX RIVER WATER RIGHTS
Notice is given that the Water
Rights Program, Department
of Environment and Natural
Resources, 523 E Capitol Avenue,
Pierre SD 57501 proposes that
the Water Management Board
amend conditions placed on
many Big Sioux River water rights
in South Dakota. The objective is
to bring consistency among water
rights from the river and the ability
for the Chief Engineer to issue
written orders to allow pumping to
continue if climatic conditions are
favorable. The amendments will
not increase either the authorized
diversion rate or number of
irrigated acres authorized under
existing Big Sioux River water
rights.

Currently, water rights differ in
the amount of water that must be
bypassed at the pump site or at a
United States Geological Survey
(USGS) gaging station in order
for pumping to occur. The Water
Rights Program has reviewed all
Big Sioux River water rights and
determined that the conditions
can be modified to a standard
bypass at one of three gaging
stations depending on the stream
segment where the water right is
located. It is proposed that the
bypass condition along the river is
best managed in three segments
identified by USGS gaging
stations as follows:

1. River reach upstream from
the USGS gaging station near
Castlewood;
2. River reach between USGS
gaging station near Castlewood
downstream to gaging station
near Dell Rapids;
3. River reach between USGS
gaging station near Dell Rapids
downstream to gaging station
near North Cliff Avenue in Sioux
Falls.

Water rights that currently have a
bypass condition will be amended
such that those water rights
upstream of the Castlewood
gaging station will have a 5 cubic
feet of water per second (cfs)
bypass requirement. Those water
rights in the two other reaches
described above will have a 20 cfs
bypass requirement referenced to
either the Dell Rapids or North Cliff
Avenue gaging station depending
on the location of the water right.
Water rights with senior priority
dates that do not currently have
a bypass requirement will see no
change.

The proposed amendment will
not impose any conditions more
restrictive than the conditions
currently in place on any water
right. Big Sioux River water right
holders whose bypass condition
is proposed for amendment will
be provided personal notice of
the proposed amendment to their
water right.

The Chief Engineer recommends
that the Water Management
Board approve deletion of the
existing bypass condition on
applicable water rights and add
the following qualifications specific
to the bypass flow at a referenced
gaging station depending on the
location of the water right.

1. Low flows as needed for
downstream domestic use,
including livestock water, and
prior rights must be by-passed.
This water right does not
authorize diversion of water
from the Big Sioux River, when
pumping, unless at least "X"
cfs is flowing past the USGS
Gaging Station "IDENTIFY
APPLICABLE STATION" unless
written orders have been
issued by the Chief Engineer.
Divisions under this water right
shall be in accordance with any
written orders issued by the
Chief Engineer.

2. The Water Management
Board is retaining jurisdiction
of this water right in the
event additional information
shows that adjustments need
to be made to the bypass
requirements.

Any interested person opposing
or supporting the proposed
amendment and intending to
participate in the hearing shall file
a petition with the Chief Engineer.
The Chief Engineer's address is
"Water Rights Program, Foss
Building, 523 E Capitol, Pierre SD
57501 (605 773-3352)". A petition
filed by either an interested person
or a water right holder must be
filed by February 26, 2018.

The petition may be informal,
but shall be in writing and shall
include a statement describing
the petitioner's interest, the
petitioner's reasons for opposing
or supporting the proposed
change, and the signature and
mailing address of the petitioner
or the petitioner's legal counsel,
if legal counsel is obtained.

The hearing is an adversary
proceeding and any party has the
right to be present at the hearing
and to be represented by a lawyer.
These and other due process
rights will be forfeited if they are
not exercised at the hearing and
decisions of the Board may be
appealed to the Circuit Court and
State Supreme Court as provided
by law.

The staff report including affected
water rights and the proposed
changes is available at <http://denr.sd.gov/public> or contact Eric
Gronlund for this information, or
other information, at the Water
Rights Program address provided
above.

The Water Management Board
will consider the proposed
changes at 11:30 a.m. on March
7, 2018, in the Matthew Training
Center, Joe Foss Bldg, 523 E.
Capitol Ave, Pierre SD. The
hearing will be held pursuant to
the provisions of SDCL 46-1-14
and 46-2-17.

The Chief Engineer's
recommendation is not final or
binding upon the Board. The
Board is authorized to 1) approve,
2) modify, 3) defer, or 4) deny the
proposed amendments after it
reaches a conclusion based on
facts at the public hearing. The
Board has legal authority and
jurisdiction to consider this matter
pursuant to SDCL 46-2-9 and 46-
2-11.

The March 7, 2018 hearing date
will be automatically delayed
for at least 20 days upon written
request to the Chief Engineer
from any person who has filed a
petition to oppose or support the
proposed change. The request
for an automatic delay must be
filed by February 26, 2018. If
an automatic delay is requested,
the hearing will be rescheduled
for a future Board meeting and
personal notice will be provided to
all petitioners regarding the time,
date and location.

Notice is given to individuals with
disabilities that this hearing is be-
ing held in a physically accessible
place. Please notify the Depart-
ment of Environment and Natural
Resources at least 48 hours before
the hearing if you have a disabili-
ty for which special arrangements
must be made at the hearing. The
telephone number for making ar-
rangements is (605) 773-3352.

Under SDCL 1-26-18.3, in any
contested case, if the amount in
controversy exceeds \$2,500.00
"or if a property right may be
terminated, any party to the
contested case may require the
agency to use the Office of Hearing
Examiners by giving notice of the
request to the agency no later than
ten days after service of a notice of
hearing issued pursuant to SDCL
1-26-17." If you choose to use the
Office of Hearing Examiners rather
than the hearing procedure before
the Water Management Board
set forth above, you need to notify
the Chief Engineer (Water Rights
Program, 523 E Capitol Avenue,
Pierre SD) by February 26, 2018.
Steven M. Pinner, Secretary, De-
partment of Environment and Nat-
ural Resources.

Published once at an approxi-
mate cost of \$126.01.
(February 15, 2018)

February 22, 2018

PAYMENT REQUEST FORM

PAYEE: Watertown Public Opinion
120 3rd Avenue NW
Watertown, SD

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Notice of Hearing-Big Sioux River

AMOUNT: \$131.01

FUNDING SOURCE:

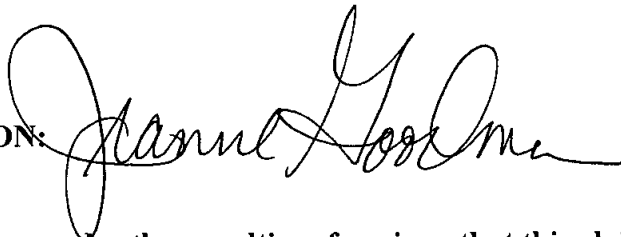
GENERAL: X

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION:

A handwritten signature in black ink, appearing to read "Hannah Goodman", is written over the "AUTHORIZATION:" label.

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.

FEB 20 2018

WATER RIGHTS
PROGRAM

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County of Hamlin) SSI, LeeAnne Dufek

certify that the attached printed Notice was taken

from the Hamlin County
Republicanprinted and published in CastlewoodCounty of Hamlin and

state of South Dakota. The notice was published

in the newspaper on the following date:

Feb 14, 2018Cost of Printing \$69.09LeeAnne Dufek
(Signature)Owner
(Title)2-14-2018
(Date Signed)NOTICE OF HEARING ON CHIEF
ENGINEER'S RECOMMENDA-
TION FOR BIG SIOUX RIVER
WATER RIGHTS

Notice is given that the Water Rights Program, Department of Environment and Natural Resources, 523 E Capitol Avenue, Pierre SD 57501 proposes that the Water Management Board amend conditions placed on many Big Sioux River water rights in South Dakota. The objective is to bring consistency among water rights from the river and the ability for the Chief Engineer to issue written orders to allow pumping to continue if climatic conditions are favorable. The amendments will not increase either the authorized diversion rate or number of irrigated acres authorized under existing Big Sioux River water rights.

Currently, water rights differ in the amount of water that must be bypassed at the pump site or at a United States Geological Survey (USGS) gaging station in order for pumping to occur. The Water Rights Program has reviewed all Big Sioux River water rights and determined that the conditions can be modified to a standard bypass at one of three gaging stations depending on the stream segment where the water right is located. It is proposed that the bypass condition along the river is best managed in three segments identified by USGS gaging stations as follows:

River reach upstream from the USGS gaging station near Castlewood;

River reach between USGS gaging station near Castlewood downstream to gaging station near Dell Rapids;

River reach between USGS gaging station near Dell Rapids downstream to gaging station near North Cliff Avenue in Sioux Falls.

Water rights that currently have a bypass condition will be amended such that those water rights upstream of the Castlewood gaging station will have a 5 cubic feet of water per second (cfs) bypass requirement. Those water rights in the two other reaches described above will have a 20 cfs bypass requirement referenced to either the Dell Rapids or North Cliff Avenue gaging station depending on the location of the water right. Water rights with senior priority dates that do not currently have a bypass requirement will see no change.

The proposed amendment will not impose any conditions more restrictive than the conditions currently in place on any water right. Big Sioux River water right holders whose bypass condition is proposed for amendment will be provided personal notice of the proposed amendment to their water right.

The Chief Engineer recommends that the Water Management Board approve deletion of the existing bypass condition on applicable water rights and add the following qualifications specific to the bypass flow at a referenced gaging station depending on the location of the water right.

Low flows as needed for downstream domestic use, including live-stock water, and prior rights must be by-passed. This water right does not authorize diversion of water from the Big Sioux River, when pumping, unless at least "X" cfs is flowing past the USGS Gaging Station "IDENTIFY APPLICABLE STATION" unless written orders have been issued by the Chief Engineer. Diversions under this water right shall be in accordance with any written orders issued by the Chief Engineer.

The Water Management Board is retaining jurisdiction of this water right in the event additional information shows that adjustments need to be made to the bypass requirements.

Any interested person opposing or supporting the proposed amendment and intending to participate in the hearing shall file a petition with the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". A petition filed by either an interested person or a water right holder must be filed by February 26, 2018.

The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest, the petitioner's reasons for opposing or supporting the proposed change, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. The hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

The staff report including affected water rights and the proposed changes is available at <http://denr.sd.gov/public> or contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided above.

The Water Management Board will consider the proposed changes at 11:30 a.m. on March 7, 2018, in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The hearing will be held pursuant to the provisions of SDCL 46-1-14 and 46-2-17.

The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) modify, 3) defer, or 4) deny the proposed amendments after it reaches a conclusion based on facts at the public hearing. The Board has legal authority and jurisdiction to consider this matter pursuant to SDCL 46-2-9 and 46-2-11.

The March 7, 2018 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from any person who has filed a petition to oppose or support the proposed change. The request for an automatic delay must be filed by February 26, 2018. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting and personal notice will be provided to all petitioners regarding the time, date and location.

Notice is given to individuals with disabilities that this hearing is being held in a physically accessible place. Please notify the Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing. The telephone number for making arrangements is (605) 773-3352.

Under SDCL 1-26-18.3, in any contested case, if the amount in controversy exceeds \$2,500.00, "or if a property right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." If you choose to use the Office of Hearing Examiners rather than the hearing procedure before the Water Management Board set forth above, you need to notify the Chief Engineer (Water Rights Program, 523 E Capitol Avenue, Pierre SD) by February 26, 2018.

Steven M. Pimer, Secretary
Department of Environment and Natural Resources.

Published Feb. 14, 2018, at total cost of \$69.09.

February 20, 2018

PAYMENT REQUEST FORM

PAYEE: Hamlin County Publishing Inc.
PO Box 50
Castlewood, SD 57223

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Notice of Hearing Big Sioux River

AMOUNT: \$69.09

FUNDING SOURCE:

GENERAL: X

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION:

A handwritten signature in black ink, appearing to read "James Goodman", written over a horizontal line.

I declare and affirm under the penalties of perjury that this claim is in all things, true and correct.
I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued
thereunder relating to nondiscrimination in federal assisted programs.

Statement

B 2 0 2018

Bill To

DENR

Teresa Williams
Air Quality Program
523 E. Capitol, Joe Foss Bldg.
Pierre, SD 57501

[illegible]

Current	1-30 Days Past Due	31-60 Days Past Due	61-90 Days Past Due	OVER 90 Days Past Due	Amount Due
\$69.09	\$0.00	\$0.00	\$0.00	\$0.00	\$69.09

AFFIDAVIT OF PUBLICATION

State of South Dakota)

:ss

County of Union)

Bruce L. Odson,

the publisher of the Leader-Courier, deposes and says that

The Leader-Courier

is a legal weekly newspaper of a general circulation, printed and published in Elk Point, County of Union, State of South Dakota, and has been such legal newspaper during the time hereinafter mentioned, and that affiant is and was during all the time hereinafter mentioned in charge of the advertising department thereof, and has personal knowledge of all the facts stated in this affidavit: and that the notice and advertisement headed:

Notice of Hearing

a printed copy of which is hereunto attached and made a part hereof, was printed and published in the said newspaper at least once in

each week for 1 successive weeks; that said newspaper at the time of the first publication of said notice hereinafter stated, had, and still has, a bona fide circulation of over two hundred paid copies weekly, and had been published in the said County of Union for more than one year immediately prior to the date of the said publication of said notice, and that said newspaper during said times, was, and is, printed in part in an office maintained at said city of Elk Point, the said place of publication; that the first publication of said notice in said newspaper was

on Thursday, the 15 day of February, 2018

and that the succeeding publications were

on Thursday, the _____ day of _____, _____

on Thursday, the _____ day of _____, _____

on Thursday, the _____ day of _____, _____

that the fees for the printing and publishing of said notice and advertisement in said newspaper as aforesaid were

\$ 70.99, that the full amount of the fee charged insures to the benefit of the publisher of the said newspaper, that no agreement or understanding for the division thereof has been made with any other person and that no part thereof has been agreed to be paid to any other person whomsoever.


Subscribed and sworn to before me

this 15 day of February, 2018

My commission expires 7-12-23

SUSAN ODSON
NOTARY PUBLIC
SOUTH DAKOTA

Notary Public

NOTICE OF HEARING ON CHIEF ENGINEER'S RECOMMENDATION FOR BIG SIOUX RIVER WATER RIGHTS

Notice is given that the Water Rights Program, Department of Environment and Natural Resources, 523 E Capitol Avenue, Pierre SD 57501 proposes that the Water Management Board amend conditions placed on many Big Sioux River water rights in South Dakota. The objective is to bring consistency among water rights from the river and the ability for the Chief Engineer to issue written orders to allow pumping to continue if climatic conditions are favorable. The amendments will not increase either the authorized diversion rate or number of irrigated acres authorized under existing Big Sioux River water rights.

Currently, water rights differ in the amount of water that must be bypassed at the pump site or at a United States Geological Survey (USGS) gaging station in order for pumping to occur. The Water Rights Program has reviewed all Big Sioux River

water rights and determined that the conditions can be modified to a standard bypass at one of three gaging stations depending on the stream segment where the water right is located. It is proposed that the bypass condition along the river is best managed in three segments identified by USGS gaging stations as follows:

1. River reach upstream from the USGS gaging station near Castlewood;

2. River reach between USGS gaging station near Castlewood downstream to gaging station near Dell Rapids;

3. River reach between USGS gaging station near Dell Rapids downstream to gaging station near North Cliff Avenue in Sioux Falls.

Water rights that currently have a bypass condition will be amended such that those water rights upstream of the Castlewood gaging station will have a 5 cubic feet of water per second (cfs) bypass requirement. Those water rights in the two other reaches described above will have a 20 cfs bypass requirement referenced to either the Dell Rapids or North Cliff Avenue gaging station depending on the location of the water right. Water rights with senior priority dates that do not currently have a bypass requirement will see no change.

RECEIVED

FEB 20 2018

WATER RIGHTS
PROGRAM

The proposed amendment will not impose any conditions more restrictive than the conditions currently in place on any water right. Big Sioux River water right holders whose bypass condition is proposed for amendment will be provided personal notice of the proposed amendment to their water right.

The Chief Engineer recommends that the Water Management Board approve deletion of the existing bypass condition on applicable water rights and add the following qualifications specific to the bypass flow at a referenced gaging station depending on the location of the water right.

1. Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This water right does not authorize diversion of water from the Big Sioux River, when pumping, unless at least "X" cfs is flowing past the USGS Gaging Station "IDENTIFY APPLICABLE STATION" unless written orders have been issued by the Chief Engineer. Diversions under this water right shall be in accordance with any written orders issued by the Chief Engineer.

2. The Water Management Board is retaining jurisdiction of this water right in the event additional information

shows that adjustments need to be made to the bypass requirements.

Any interested person opposing or supporting the proposed amendment and intending to participate in the hearing shall file a petition with the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". A petition filed by either an interested person or a water right holder must be filed by February 26, 2018.

The petition may be informal, but shall be in writing and shall include a statement describing the petitioner's interest, the petitioner's reasons for opposing or supporting the proposed change, and the signature and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained. The hearing is an adversary proceeding and any party has the right to be present at the hearing and to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing and decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law.

The staff report including affected water rights and the proposed changes is available at <http://denr.sd.gov/public> or

contact Eric Gronlund for this information, or other information, at the Water Rights Program address provided above.

The Water Management Board will consider the proposed changes at 11:30 a.m. on March 7, 2018, in the Matthew Training Center, Joe Foss Bldg, 523 E. Capitol Ave. Pierre SD. The hearing will be held pursuant to the provisions of SDCL 46-1-14 and 46-2-17.

The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) modify, 3) defer, or 4) deny the proposed amendments after it reaches a conclusion based on facts at the public hearing. The Board has legal authority and jurisdiction to consider this matter pursuant to SDCL 46-2-9 and 46-2-11.

The March 7, 2018 hearing date will be automatically delayed for at least 20 days upon written request to the Chief Engineer from any person who has filed a petition to oppose or support the proposed change. The request for an automatic delay must be filed by February 26, 2018. If an automatic delay is requested, the hearing will be rescheduled for a future Board meeting and personal notice will be provided to all petitioners regarding the

time, date and location.

Notice is given to individuals with disabilities that this hearing is being held in a physically accessible place. Please notify the Department of Environment and Natural Resources at least 48 hours before the hearing if you have a disability for which special arrangements must be made at the hearing. The telephone number for making arrangements is (605) 773-3352.

Under SDCL 1-26-18.3, in any contested case, if the amount in controversy exceeds \$2,500.00 "or if a property right may be terminated, any party to the contested case may require the agency to use the Office of Hearing Examiners by giving notice of the request to the agency no later than ten days after service of a notice of hearing issued pursuant to SDCL 1-26-17." If you choose to use the Office of Hearing Examiners rather than the hearing procedure before the Water Management Board set forth above, you need to notify the Chief Engineer (Water Rights Program, 523 E Capitol Avenue, Pierre SD) by February 26, 2018.

Steven M. Pirner, Secretary, Department of Environment and Natural Resources.
Publish Feb. 15, 2018
Published once the total approximate cost of \$70.99
7-4-231

February 20, 2018

PAYMENT REQUEST FORM

PAYEE: Southern Union County Leader-Courier
PO Box 310
Elk Point, SD

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

DESCRIPTION OF SERVICE, PRODUCE OR TRANSFER

Notice of Hearing-Big Sioux River

AMOUNT: \$70.99

FUNDING SOURCE:

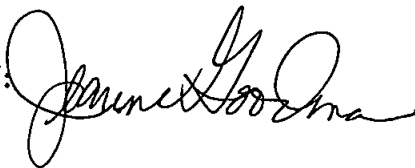
GENERAL: X

FEDERAL:

OTHER:

COMMENTS:

AUTHORIZATION:



I declare and affirm under the penalties of perjury that this claim is in all things, true and correct. I further agree to comply with the provisions of the Civil Rights Act of 1964 and regulations issued thereunder relating to nondiscrimination in federal assisted programs.

Southern Union County **LEADER-COURIER**

*The community newspaper of Dakota Dunes, Elk Point,
Jefferson, McCook Lake and North Sioux City.*

RECEIVED

FEB 20 2018

**WATER RIGHTS
PROGRAM**

**Water Rights Program
523 E Capitol Ave
Pierre, SD 57501**

2/15/18

DATE	INVOICE	DESCRIPTION	CHARGES	BALANCE
2/15/18	SJ073117	Notice of Hearing- Big Sioux River	\$70.99	\$70.99

Finance Charge \$0.00

AMOUNT DUE* \$70.99

*Includes finance charges on amounts more than 30 days past due.

**PO Box 310
Elk Point, SD 57025
Phone 605-356-2632
Fax 605-356-3626**

**PO Box 1457
North Sioux City, SD 57049
Phone 605-235-1914
Fax 605-232-3679**

FEB 26 2018

WATER RIGHTS
PROGRAMCity of
Sioux Falls

City Attorney

Providing a Better Quality of Life for You!

KAREN A. LEONARD
Deputy City Attorney
kleonard@siouxfalls.org

DANIEL J. BROWN
Assistant City Attorney
dbrown4@siouxfalls.org

RYAN J. SAGE
Assistant City Attorney
rsage@siouxfalls.org

100 S. Dakota Ave., Ste. 200
P.O. Box 7402
Sioux Falls, SD 57117-7402
605-367-8880

KEITH E. ALLENSTEIN, JR.
Assistant City Attorney
Police and Fire Legal Advisor
kallenstein@siouxfalls.org

(Law Enforcement Center)
320 W. Fourth Street
Sioux Falls, SD 57104-2413
605-367-8880

COLLEEN M. MORAN
Assistant City Attorney
ADA Coordinator
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KATIE L. DUNN
Assistant City Attorney
Human Relations Legal Advisor
kdunn@siouxfalls.org

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605-367-8745

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Assistant City Attorney
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pbengford@siouxfalls.org

DIANE P. BEST
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Public Works Legal Advisor
dbest@siouxfalls.org

(Public Works Administration)
224 W. Ninth Street
P.O. Box 7402
Sioux Falls, SD 57117-7402
605-367-8880

605-367-7039 TTY
605-367-7330 FAX
www.siouxfalls.org

February 23, 2018

SENT VIA U.S. MAIL AND EMAIL TO: DENRINTERNET@STATE.SD.US

Ms. Jeanne Goodman
Chief Engineer
Water Rights Program, DENR
523 E. Capitol Avenue,
Pierre, SD 57501

Re: Big Sioux River Recommendations

Dear Ms. Goodman,

Please consider this letter as the City of Sioux Falls' Petition to Intervene in the pending Big Sioux River Water Rights matter now scheduled for March 7, 2018.

The City of Sioux Falls ("*Sioux Falls*") appreciates the the Department of Environment & Natural Resources ("*DENR*") objective of bringing consistency to the water right permits and their administration along the Big Sioux River ("*BSR*"). Changing the qualifications to ensure they are all based on USGS river gages is a good thing. Sioux Falls does have some concerns that it would like to share with the South Dakota Water Management Board ("*Board*").

The proposed new qualifications for each stretch of the BSR would be based on the next USGS gage below the water permit involved. For example, irrigation above the Castlewood gage would be allowed so long as the Castlewood gage was at 5 cfs or more. As such, this qualification would tend to assure these upstream irrigators have the right to irrigate so long as the stream gage below them meets a particular criteria, without regard to what is happening to senior users further downstream. Under this scenario, a junior irrigator above the Castlewood gage could irrigate if the Castlewood gage was at 5 cfs regardless of whether the gages at Dell Rapids and Sioux Falls were below 20 cfs. At the same time, a senior appropriator would be constrained by the 20 cfs qualification at the downstream gages. While I understand these qualifications are intended to provide for flexibility by the Chief Engineer and as such, the Chief Engineer could seek cooperation among the upstream junior appropriators, the language of these qualifications seems to reduce the legal means for the senior water right holders to take action against junior water right holders that impair water rights downstream.

Ms. Jeanne Goodman
Page 2
February 23, 2018

Sioux Falls would suggest all downstream gage criteria be incorporated in the qualifications. For the two permits above Castlewood, we would propose the qualification state as follows:

Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, when pumping, unless at least 5 cfs is flowing past the USGS Gaging Station No. 06479525 near Castlewood, at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids, and at least 20 cfs is flowing past USGS Gaging Station No. 6482020 at North Cliff Avenue in Sioux Falls, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.

Similarly, for the 14 permits above Dell Rapids, we would propose the qualification state as follows:

Low flows as needed for downstream domestic use, including livestock water, and prior rights must be by-passed. This permit does not authorize diversion of water from the Big Sioux River, when pumping, unless at least 20 cfs is flowing past the USGS Gaging Station No. 06481000 near Dell Rapids, and at least 20 cfs is flowing past USGS Gaging Station No. 6482020 at North Cliff Avenue in Sioux Falls, unless written orders have been issued by the Chief Engineer. Diversions under this Permit shall be in accordance with any written orders issued by the Chief Engineer.

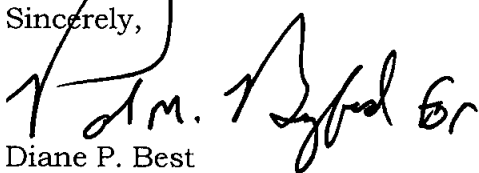
We appreciate the fact that administering these diversions during severe drought will be a challenge. We would respectfully submit, however, that the qualifications, as stated above, would protect the senior water rights and also be a better means to protect the flows in the river for the entire stretch impacted.

We also reserve our right to address any other issues that may be presented by other intervenors or the Board at a hearing.

At the hearing Sioux Falls may also address the extent to which releases from the Sioux Falls Water Reclamation Plant augment other available flows in the BSR.

Due to scheduling constraints, Sioux Falls is exercising its right to automatically delay the hearing for at least twenty (20) days as provided by state law.

Sincerely,



Diane P. Best
Assistant City Attorney

DPB/amr

Sioux Falls Ordinances

§ 53.015 USE OF PUBLIC SEWERS REQUIRED.

(a) It shall be unlawful for any person to place, deposit or permit to be deposited in any unsanitary manner on public or private property within the city, or in any area under the jurisdiction of the city, any human or animal excrement, garbage or other objectionable waste.

(b) It shall be unlawful to discharge to any natural outlet within the city or in any area under the jurisdiction of the city any wastewater or other polluted waters, except where suitable treatment has been provided in accordance with this subchapter, or permitted by the DENR or EPA.

(c) Except as provided in this subchapter, it shall be unlawful to construct or maintain any privy, privy vault, septic tank, cesspool or other facility intended or used for the disposal of wastewater.

(d) The owner of each house, building or property used for human occupancy, employment, recreation or other purposes, in the city and abutting on any street, alley or right-of-way in which there is located or may be located a public sanitary sewer of the city, shall at the owner's expense install suitable toilet facilities therein, and connect the facilities directly with the proper public sewer in accordance with the provisions of this subchapter, within five years after the date of official notice to do so, provided that the public sewer is within 200 feet of the property line and reasonably accessible as determined by the city engineer.

(1992 Code, § 41-111) (Ord. 47-81, passed 6-1-1981; Ord. 57-93, passed 7-12-1993; Ord. 102-96, passed 9-3-1996; Ord. 48-03, passed 6-9-2003) Penalty, see § 53.999

§ 53.016 PRIVATE WASTEWATER DISPOSAL.

(a) Where a public sanitary sewer is not available under the provisions of § 53.015(d), the building sewer shall be connected to a private wastewater disposal system complying with the provisions of this subchapter and State of South Dakota Administrative Rules for individual and small on-site wastewater systems (ARSD Chapter 74:03:01).

(b) Before commencement of construction of a private wastewater disposal system, the owner shall first obtain a written permit signed by the city engineer. The application for the permit shall be made on a form furnished by the city which the applicant shall supplement by any plans, specifications and other information deemed necessary by the city. A permit and inspection fee established by ordinance shall be paid to the city when the application is filed.

(c) A permit for a private wastewater disposal system shall not become effective until the installation is completed to the satisfaction of the city engineer. The city engineer shall be allowed to inspect the work at any stage of construction, and in any event, the applicant for the permit shall notify the city engineer when the work is ready for final inspection, and before any underground portions are covered. The inspection shall be made within three hours of the receipt of notice by the city engineer.

(d) The type, capacity, location and layout of a private wastewater disposal system shall comply with all recommendations of the state department of health. For persons with a public water supply, no permit shall be issued for any private wastewater disposal system employing subsurface soil absorption facilities where the area of the lot is less than one-half acre. For persons with a private well, no permit shall be issued for any private wastewater disposal system employing subsurface soil absorption facilities where the area of the lot is less than one acre. No septic tank or cesspool shall be permitted to discharge to any natural outlet.

(e) When a public sewer becomes available to a property served by a private wastewater disposal system, as provided in § 53.015(d), a direct connection shall be made to the public sewer within five years in compliance with this subchapter, and any septic tanks, cesspools and similar private wastewater disposal facilities shall be cleaned of sludge and filled with suitable material.

(f) The owner shall operate and maintain the private wastewater disposal facilities in a sanitary manner at all times, at no expense to the city.

(g) No statement contained in this subchapter shall be construed to interfere with any additional requirements that may be imposed by a health officer.

(1992 Code, § 41-112) (Ord. 47-81, passed 6-1-1981; Ord. 19-82, passed 3-8-1982; Ord. 57-93, passed 7-12-1993; Ord. 102-96, passed 9-3-1996; Ord. 48-03, passed 6-9-2003)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

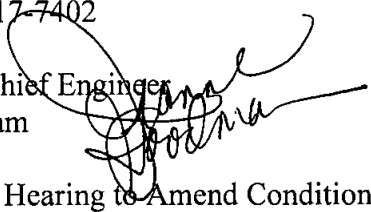
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

February 27, 2018

NOTICE

TO: Diane Best
Assistant City Attorney
City of Sioux Falls
PO Box 7402
Sioux Falls SD 57117-7402

FROM: Jeanne Goodman, Chief Engineer
Water Rights Program 

SUBJECT: Automatic Delay of Hearing to Amend Conditions Placed on Many Big Sioux River
Water Rights

The city of Sioux Falls filed a petition to intervene in response to the public notice regarding the Water Management Board hearing to consider an amendment to the conditions on many Big Sioux River water rights. The city's petition included a request for an automatic delay of the March 7, 2018 hearing date. Therefore, the hearing on this matter is automatically delayed pursuant to SDCL 46-2A-4 and 46-2A-5 and will not be held on March 7, 2018.

The hearing to consider amendment to the conditions on many Big Sioux River water rights is tentatively scheduled for the Water Management Board meeting to be held May 2 - 3, 2018, in Pierre. The Board will formalize its next meeting date at their March 7th meeting. Future notice of the time and place of the hearing will be provided.

Please contact Eric Gronlund at (605) 773-3352 if you have questions regarding the hearing process.

c: Ann Mines Bailey, Assistant Attorney General

CERTIFICATION

I hereby certify that on February 27, 2018, I have personally deposited with the United States mail at Pierre, South Dakota, first class postage, prepaid envelopes containing a Notice dated February 27, 2018, regarding automatic delay of the hearing to consider amendment to the conditions on many Big Sioux River water rights, as addressed below:

Diane Best
Assistant City Attorney
City of Sioux Falls
PO Box 7402
Sioux Falls SD 57117-7402

Sent Inter-office to:

Ann Mines Bailey, Assistant Attorney General
1302 East Highway 14, Suite 1
Pierre SD 57501-8501



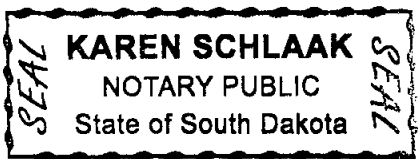
Eric Gronlund
Water Rights Program, DENR

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF HUGHES)

Sworn to, before me, this 27th day of February, 2018



Karen Schlaak
Notary Public
My Commission expires April 1, 2019





DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

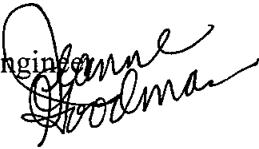
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

April 4, 2018

NOTICE

TO: Diane Best
Assistant City Attorney
City of Sioux Falls
PO Box 7402
Sioux Falls SD 57117-7402

FROM: Jeanne Goodman, Chief Engineer
Water Rights Program 

SUBJECT: Scheduling of Hearing to Amend Conditions Placed on Many Big Sioux River
Water Rights

The city of Sioux Falls filed a petition to intervene in response to the public notice published in the Argus Leader regarding proposed amendment to conditions placed on many Big Sioux River water rights. The March 7, 2018, hearing was postponed at the city's request. This notice reschedules the hearing for May 3, 2018.

The Water Management Board will now conduct a hearing to consider proposed amendment to conditions placed on many Big Sioux River water rights at 8:30 AM (Central Time) on Thursday, May 3, 2018, at the Floyd Matthew Training Center, Joe Foss Building, 523 E. Capitol Avenue, Pierre SD. The agenda time is an estimate and may be delayed due to prior items. Future notice will be provided to all parties if there is a significant change to the hearing time.

Applicable provisions of the public notice of hearing published in the Argus Leader on February 15, 2018, still apply.

Questions regarding the hearing process may be directed to Eric Gronlund, Water Rights Program at (605) 773-3352 or eric.gronlund@state.sd.us.

c: Ann Mines Bailey, Assistant Attorney General

CERTIFICATION

I hereby certify that on April 4, 2018, I have personally deposited with the United States mail at Pierre, South Dakota, first class postage, prepaid envelopes containing a Notice dated April 4, 2018, regarding scheduling of the hearing to consider amendment to the conditions on many Big Sioux River water rights, as addressed below:

Diane Best
Assistant City Attorney
City of Sioux Falls
PO Box 7402
Sioux Falls SD 57117-7402

Sent Inter-office to:

Ann Mines Bailey, Assistant Attorney General
1302 East Highway 14, Suite 1
Pierre SD 57501-8501



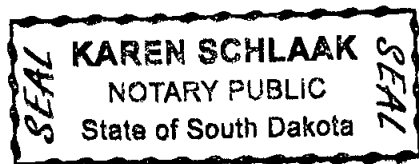
Eric Gronlund
Water Rights Program, DENR

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF HUGHES)

Sworn to, before me, this 4th day of April, 2018



Karen Schlaak
Notary Public
My Commission expires April 1, 2019



6210A-3



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

November 13, 2018

Kelby Mieras
Sioux Falls Parks & Rec Dept
PO Box 7402
Sioux Falls SD 57117-7402

RE: Water Permit/Right Nos. 4231-3, 5416-3, 5512-3, 5556-3, 5698-3, 6157-3, 6210A-3 & 7805-3

Dear Sir:

Enclosed is a "Notice" dated October 30, 2018 concerning the 2018 irrigation questionnaires.

The notice was originally mailed to 100 E 6th St, Sioux Falls. The post office notified us that your address has changed and I will update our records accordingly.

If you have any questions, please contact me.

Sincerely,

Genny McMath
Water Rights Program
(605) 773-3352
email: genny.mcmath@state.sd.us

enclosures



DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES
JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

January 19, 2024

NOTICE

TO: CITY OF SIOUX FALLS PARKS & REC DEPT, JOSH JOHNSON, 231 NORTH DAKOTA AVE, SIOUX FALLS, SD 57117 7402

FROM: Ron Duvall, Engineer III
for Eric Gronlund, Chief Engineer
Water Rights Program

SUBJECT: Reporting Requirement for 2023 Irrigation Questionnaire(s)

Our records indicate your 2023 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 5416-3, 5556-3 & 6210A-3. The request for the Questionnaire was dated October 20, 2023. The Water Management Board has directed owners of water permits who have not submitted the 2023 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 5416-3, 5556-3 & 6210A-3 qualification:

"This permit is approved subject to the Irrigation Water Use Questionnaire being submitted each year."

The hearing will be held at **Wednesday, March 6, 2024 at 9:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 5416-3, 5556-3 & 6210A-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

The hearing is an adversary proceeding. The permit owner has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised. Decisions of the Board may be appealed to the Circuit Court and the State Supreme Court as provided by law.

If the questionnaire(s) is (are) received in this office before the **March 6, 2024** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Amanda Dewell at (605) 773-3352 or email at amanda.dewell@state.sd.us. **If you prefer, you can complete the questionnaire online at the following link: <https://danr.sd.gov/iq> using this password: AXMXCF**

NOTE: Please contact the Water Rights Program, Joe Foss Building, 523 E Capitol, Pierre, SD (605-773-3352) to assure access to the meeting room for the handicapped or to obtain an interpreter for the hearing impaired.



5416-3 5556-3
6210A-3

**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 E. CAPITOL AVE
PIERRE SD 57501-3182
danr.sd.gov

January 25, 2024

5416-3
5556-3
6210A-3

City of Sioux Falls
c/o Kelby Mieras
231 North Dakota Ave
Sioux Falls SD 57117

Dear Mr. Mieras:

I am writing to acknowledge the receipt of your 2023 irrigation questionnaire(s).

You may disregard the January 19, 2024, "Notice" concerning the reporting requirements for Water Permit No(s). 5416-3, 5556-3, 6210A-3. The information was received prior to the March 6, 2024, Water Management Board meeting and these permit numbers have been removed from the agenda.

If you have any questions, please contact me.

Sincerely,

Amanda Dewell
Water Rights Program
605 773-3352
Amanda.Dewell@state.sd.us