

WATER PERMIT NO. 8753-3

Name of Applicant: **Dale G Williams**

Address: **19151 465th Ave, Estelline SD 57234**

Phone: **605-690-9319**

Amount of Water Claimed: **0.67 cfs**

Total Acres: **20**

Source of Water Supply: **Groundwater**

Water to be used for: **Irrigation**

County: **Hamlin**

Type of Waste Disposal System:

Location: **2.5 miles north of Estelline SD**

PRIORITY Date Received: **4-11-2023**

Application/License Fee: **\$700.00**

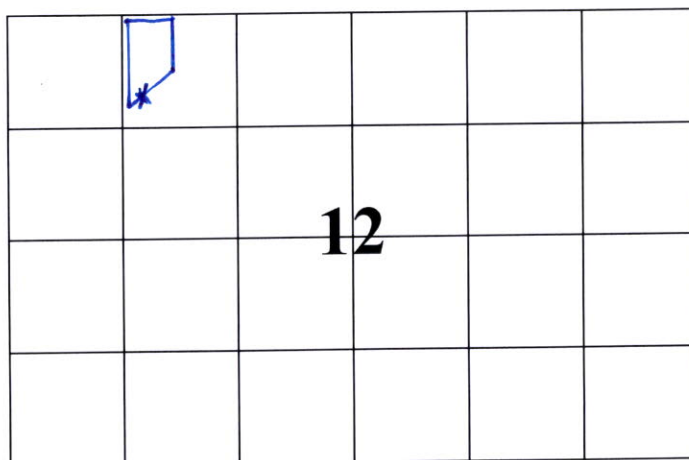
Corrected Application Received: **4-17-2023**

Period of Annual Use: **May 1 – September 30**

Remarks: **Requesting div rate greater than statutory limit**

Diversion Point: **SW 1/4 NW 1/4 Section 12 -
T113N-R51W**

Land to be Irrigated: **NW 1/4 Section 12 -T113N-
R51W**



Depth of Well: **37**

Well Driller: **Steffl Drilling and Pump**

Remarks:

Type of Map: **aerial**

Reviewed and the Number Assigned on: **4-17-2023**

By: **Rachel Rodriguez**

Notice of Hearing - date to intervene: _____

**SOUTH DAKOTA
WATER PERMIT NO. 8753-3**

Date of first receipt of application April 11, 2023.

Date of return to applicant for corrections, amendments or changes April 12, 2023.

Date of receipt of corrected application April 17, 2023.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8753-3 to Dale G. Williams, 19151 465th Avenue, Estelline SD 57234 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. 8753-3 appropriates 0.67 cubic feet of water per second (cfs) from one well to be completed into the Big Sioux: Brookings Aquifer (approximately 37 feet deep) located in the W 1/2 NW 1/4 Section 12 for irrigation of 20 acres located in the NW 1/4 NW 1/4 Section 12; all in T113N-R51W. This site is located approximately 2.5 miles north of Estelline SD.
2. The amount of the appropriation may not exceed 2 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: May 1 – September 30.
3. The date from which applicant may claim right is April 11, 2023.
4. The date of approval of Permit No. 8753-3 is July 17, 2023.
5. One-fifth of the construction is to be completed on or before January 17, 2025.
6. All construction is to be completed on or before July 17, 2028.
7. Water is to be put to beneficial use on or before July 17, 2032.
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. The well approved under Water Permit No. 8753-3 is located near domestic wells and other wells which may obtain water from the same aquifer. Water withdrawals shall be controlled so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 8753-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
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. 8753-3 authorizes a maximum diversion rate of 0.67 cfs for the irrigation of 20 acres with an annual volume not to exceed 2 acre feet of water per acre per year.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: Eric Gronlund
Eric Gronlund, Chief Engineer
Water Rights Program
Department of Agriculture and Natural Resources

JUL 21 2023
date



FORM 2: Application for irrigation in South Dakota

(type or print)

PAID

APR 11 2023

Ck# 1188

Rec't#

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8753-3</u> (office use only)	Hydrologic Unit <u>10170202</u>
	Basin <u>Middle Big Sioux</u>	
	Newspaper <u>Hayti Hamil Co Herald Enterprise</u>	
	<u>Watertown Public Opinion</u>	

Application For Permit To Appropriate Water For Irrigation 8154-3

Type of Application: ☒ New ☐ Vested Right ☒ Amendment/Correction to Permit No. 8154-3
(Use predates Mar 2, 1955)

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

adding 20 acres for Sub.Irrigation1. Name to Appear on Irrigation Permit Dale G Williams

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

Mailing Address 19151 465th Ave Jeff (son) 605-690-2265
(Address) (City) (State) (Zip Code)Phone 605 873 9319 Mobile 605 690 9319 Email dmwilliams21@hotmail.com2. Amount of water claimed 0.67*CFS or 300**GPM ***AF Total Acreage 20
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)3. Source of water supply well4. Location of point of diversion SW 1/4 NW 1/4 Sec 12 - T113 N - R51 W
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
County Hamlin5. County or counties where water will be used Hamlin6. Annual period during which water is to be used May 1 - Sept 307. 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
<u>NW 1/4 NW 1/4 Sec 12 - T113 N - R51 W</u>	<u>20</u>		

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

We have 20 acres of tiled land to sub.IrrigateRequesting diversion rate greater than statutory limit.

RECEIVED

APR 11 2023

OFFICE OF
WATERI, Dale G. Williams Jeff Williams, 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.

Supplemental Information

(type or print)

1. Well Information (check one or both as applicable) ☒ Drilling new well(s) ☐ Using existing well(s)

a) If new wells, how many 1 Have test holes been drilled ☒ Yes ☐ No Drilled by Steffl Drilling and Pump
(if yes, please provide copies of logs)

b) If existing wells, how many 2 Provide copy of log(s), if available. Drilled by Steffl Drilling and Pump

For either Existing or Proposed Wells:

c) Well Depth (required) 37 Depth to Top of Water Bearing Material _____ Depth to Water from Surface _____

d) Distance to nearest domestic well on applicant's property _____ Property owned by others _____

2. Wastewater Disposal System Information

a) Type of System (i.e. septic tank, drain field) _____

b) System Capacity (gallons) _____ Year Constructed _____

c) Connected to the City of _____ Sanitary System

3. Dugout Information

a) Surface Dimensions _____ Depth _____

b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

a) If a private engineering firm or government agency was involved in the design of this dam, please give their name and address:

b) Freeboard _____

c) Crest Width _____

Crest Length _____

d) Height _____

e) Primary Outlet Capacity _____

If pipe, diameter _____

f) Secondary Spillway Capacity _____

Spillway Width _____

g) X & Y Slope (e.g. 3 to 1 is a typical slope)

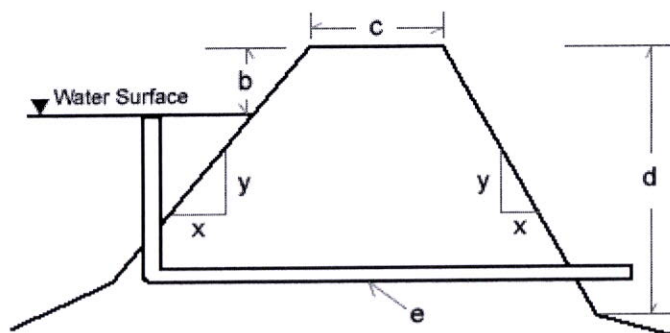
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



New well



0 305 610 1,220 Feet

Common Land Unit Tract Boundary
 Cropland PLSS
 Non-Cropland

Wetland Determination Identifiers
 Restricted Use
 Limited Restrictions
 Exempt from Conservation
 Compliance Provisions



United States Department of Agriculture (USDA) Farm Service Agency (FSA) maps are for FSA Program administration only. This map does not represent a legal survey or reflect actual ownership; rather it depicts the information provided directly from the producer and/or National Agricultural Imagery Program (NAIP) imagery. The producer accepts the data 'as is' and assumes all risks associated with its use. USDA-FSA assumes no responsibility for actual or consequential damage incurred as a result of any user's reliance on this data outside FSA Programs. Wetland identifiers do not represent the size, shape, or specific determination of the area. Refer to your original determination (CPA-026 and attached maps) for exact boundaries and determinations or contact USDA Natural Resources Conservation Service (NRCS).

2015 Program Year

Map Created April 08, 2015

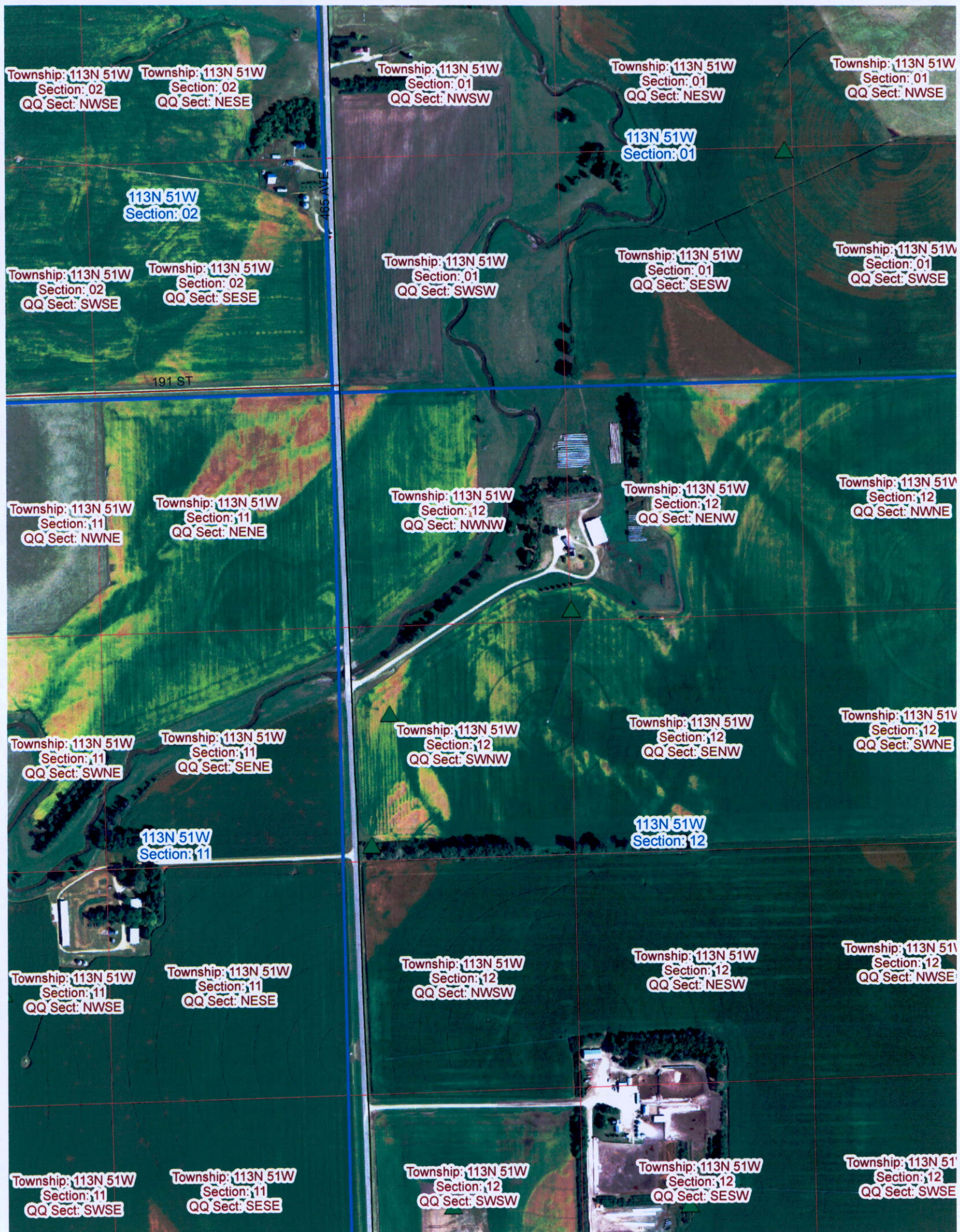
Farm 3991

12 -113N -51W

RECEIVED

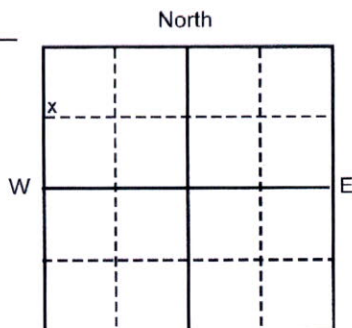
MAY 13 2015

WATER RIGHTS
PROGRAM



SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW ¼ NW ¼ Sec 12 Twp 113 Rg 51County HamlinPlease mark well
location with an "X"

Well Completion Date

03/07/2023

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
_____ ft. from _____ (identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☒ Test holes
☐ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
H.S. BENT	6	Lb/gal	0.0 Ft	58 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
Tremmy

SCREEN:

☐ Perforated pipe ☐ Manufactured
 Diameter _____ Inches Length _____ Feet
 Material _____
 Slot Size _____ Set From _____ Feet to _____ Feet
 Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☐ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☐ Yes, How? _____
☒ No, Why Not? _____
 Lab to which water _____
 Quality sample sent for analysis _____

TEST HOLE

Well Owner: Jeff Williams

Business Name: _____

Address: 19132 465th AveCity, State, Zip: Estelline ☒ SD ☒ 57234

WELL LOG:

			DEPTH	
FORMATION			FROM	TO
TOP SOIL	BLK		0	1
CLAY	YLW	SOFT	1	14
SAND/GRAVEL		SOFT	14	36
CLAY	YLW	H/GUMMY	36	58

STATIC WATER LEVEL

_____ FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped Describe: _____☐ Bailed☐ Other _____

Pumping Level Below Land Surface

_____ Ft. After _____ Hrs. pumped _____ GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

TEST HOLE #2 SEC 12

GPS: 44 36 44.43N 96 54 17.55W

This well was drilled under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump Inc

Signature of License Representative: _____

Signature of Well Owner or Equitable Property Holder: _____

RECEIVED

Date: _____

MAY 01 2023

OFFICE OF
WATER

COMMERCIAL WELL PROPOSAL



Estimate Date 3/31/2023

Company Name Jeff Williams
 Site Address 19132 465th Ave
 Contact Person
 Phone 650-690-2265
 Email jwilson@itctel.com
 Project Scope
 Jeff would like a 450 GPM irrigation well

CONTRACTOR INFO

Company STEFFL DRILLING & PUMP
 Project Manager SAM STEFFL
 Direct Phone (320) 235-1741
 Office Phone (320) 235-8484
 Email STEFFL@WATERWELLDILLING.COM

	EST. QTY	UNIT	TASK DESCRIPTION	TYPE/SIZE	UNIT PRICE	TOTAL
TEST DRILLING		ft	Test Drilling & Formation Analysis	-		\$0.00
		ea	Permitting	-		\$0.00
		ea	Cutting/Fluid Containment & Disposal	-		\$0.00
		ea	Mobilization	-		\$0.00
			TEST DRILLING	\$0.00		
PRODUCTION DRILLING	47	ft	Oversized Borehole Drilling	17.5	\$105.00	\$4,935.00
	37	ft	Finished Casing	12	\$115.00	\$4,255.00
	10	ft	Stainless Steel Screen - Hi Q Hi Flow	12	\$435.00	\$4,350.00
	1	ea	Fittings & Incidentals		\$1,500.00	\$1,500.00
	30	ft	Gravel Pack		\$45.00	\$1,350.00
	17	ft	Annular Grout		\$35.00	\$595.00
	7	hr	Well Development		\$435.00	\$3,045.00
		ea	Cutting/Fluid Containment & Disposal		\$0.00	\$0.00
	1	ea	Mobilization		\$2,500.00	\$2,500.00
			PRODUCTION DRILLING	\$22,530.00		
TEST PUMPING	1	ea	F&I Test Pumping System		\$1,750.00	\$1,750.00
	1	ea	Generator Power		\$1,250.00	\$1,250.00
	24	hr	Specific Capacity Test Pump		\$165.00	\$3,960.00
		ea	Fluid Containment & Disposal		\$3,000.00	\$0.00
	1	ea	Mobilization		\$1,500.00	\$1,500.00
PUMPING SYSTEM			TEST PUMPING	\$8,460.00		
		ea	20HP Induction Submersible Motor - 300GPM	Induction		\$0.00
		ea	Upgrade to Permanent Magnet Motor - 300GPM	PM		\$0.00
		ft	Drop Pipe	6" Steel		\$0.00
		ft	Upgrade to PVC CertaLok Drop Pipe - Add Per FT	6" PVC CertaLok		\$0.00
		ft	Submersible Wire			\$0.00
		ea	Pitless Unit			\$0.00
		ea	VFD & Filter			\$0.00
		ea	Pressure Tank			\$0.00
		ea	Fittings & Incidentals			\$0.00
		hr	Labor & Installation			\$0.00
		ea	6" Steel Waterline Dig In - Est. 40' of Pipe	6" Steel		\$0.00
			PUMPING SYSTEM	\$0.00		

TERMS OF AGREEMENT

The prices and specifications stated are satisfactory and are hereby accepted. By signing, you are authorizing Steffl Drilling & Pump to do the work as specified. Payment will be made as outlined herein. These are good faith estimates, billing will be for actual units used at the stated rates.

If a well is not completed at a test hole site, test hole sealing cost will apply of \$3/ft - 100 ft min per hole. Test drilling based on (2) two test holes. Min billing 100 ft per test hole.

We do not guarantee quantity or quality of water. Prices are good for 15 days from Estimate Date. If paid by credit card, a 4% convenience fee will apply.

TEST DRILL	\$0.00
PROD DRILL	\$22,530.00
TEST PUMP	\$8,460.00
PUMP SYS	\$0.00
TOTAL	\$30,990.00

Total payment of amount billed is due & payable (10) days from date of invoice. A) Interest will be charged at a rate of 1.5% per month on any unpaid balance. B) Any and all attorney's fees and cost of collection incurred by Steffl Drilling & Pump in the enforcement of the terms or provisions of this agreement shall be payable by the customer in the event of any default. C) Customer verifies septic tanks and drain fields meet all regulations. Pressure testing or replacement of lines to septic tank to meet fifty foot separation distance (MN Dept. of Health rule 4725.4450) must be done before drilling of well. It will be the property owner's responsibility to bring one or all into compliance. D) Water must not be used for human consumption until test results indicate the absence of total coliform bacteria. Steffl Drilling & Pump is not responsible for the quantity or quality of water. E) All wells must be clearly staked and all underground wires marked as Steffl Drilling & Pump will not be responsible for damage to wires, trees or lawns, etc. during construction of this well and or water system. Site will be left in rough grade condition and may require landscaping to restore to original condition. F) The undersigned agrees that title in and to any and all materials furnished by Steffl Drilling & Pump whether in ground or attached to the premises shall remain with Steffl Drilling & Pump and Steffl Drilling & Pump shall have the right to withdraw casing, screen, and materials from the premises until such time as full payment is received.

A) ANY PERSON OR COMPANY SUPPLYING LABOR OR MATERIALS FOR THIS IMPROVEMENT TO YOUR PROPERTY MAY FILE A LIEN AGAINST YOUR PROPERTY IF THAT PERSON OR COMPANY IS NOT PAID FOR THE CONTRIBUTIONS.

B) UNDER MINNESOTA LAW, YOU HAVE THE RIGHT TO PAY PERSONS WHO SUPPLIED LABOR OR MATERIALS FOR THIS IMPROVEMENT DIRECTLY AND DEDUCT THIS AMOUNT FROM OUR CONTRACT PRICE, OR WITHOLD THE AMOUNTS DUE THEM FROM US UNTIL 120 DAYS AFTER COMPLETION OF THE IMPROVEMENT UNLESS WE GIVE YOU A LIEN WAIVER SIGNED BY PERSONS WHO SUPPLIED ANY LABOR OR MATERIAL FOR THE IMPROVEMENT AND WHO GAVE YOU TIMELY NOTICE.

Sign Below to Accept Quote:

CUSTOMER SIGNATURE

DATE OF ACCEPTANCE

CONTRACTOR SIGNATURE

DATE OF ACCEPTANCE

**STATE OF SOUTH DAKOTA
WATER LICENSE NO. 8154-3**

(1) Dale G Williams, 19151 465th Ave., Estelline SD 57234 made Application No. 8154-3, May 13, 2015, for a water permit to add 28 acres to Water Right No. 5303-3 using the existing two wells Big Sioux Brookings Aquifer. The irrigation system is located in Hamlin County, South Dakota. Permit No. 8154-3, with a priority date of May 13, 2015, was approved July 27, 2015, and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 27, 2020, and for the application to beneficial use of water on or before July 27, 2024.

Water Right No. 5303-3, with a priority date of March 16, 1989, authorizes diversion of 1.78 cfs from two wells for irrigation of 223 acres. Water Permit No. 8154-3 did not allow for an increase in the authorized diversion rate.

The applicable portions of Water Right No. 5303-3 are incorporated into this Water License No. 8154-3. A priority date of March 16, 1989 is retained for 1.78 cfs and 223 acres. A priority date of May 13, 2015 is retained for the 6.5 acres developed under Water Permit No. 8154-3.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 1.78 cubic feet of water per second for beneficial use. The diversion points are located as follows:

Well #1: 1,720'S & 230'E of the NW corner of Section 12, T113N, R51W (SW ¼ NW ¼)
Latitude 44.611098, Longitude -96.90430

Well #2: 2,540'S & 90'E, of the NW corner of Section 12, T113N, R51W (SW ¼ NW ¼)
Latitude 44.60906, Longitude -96.90476

(3) The permit holder has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use to irrigate the following land:

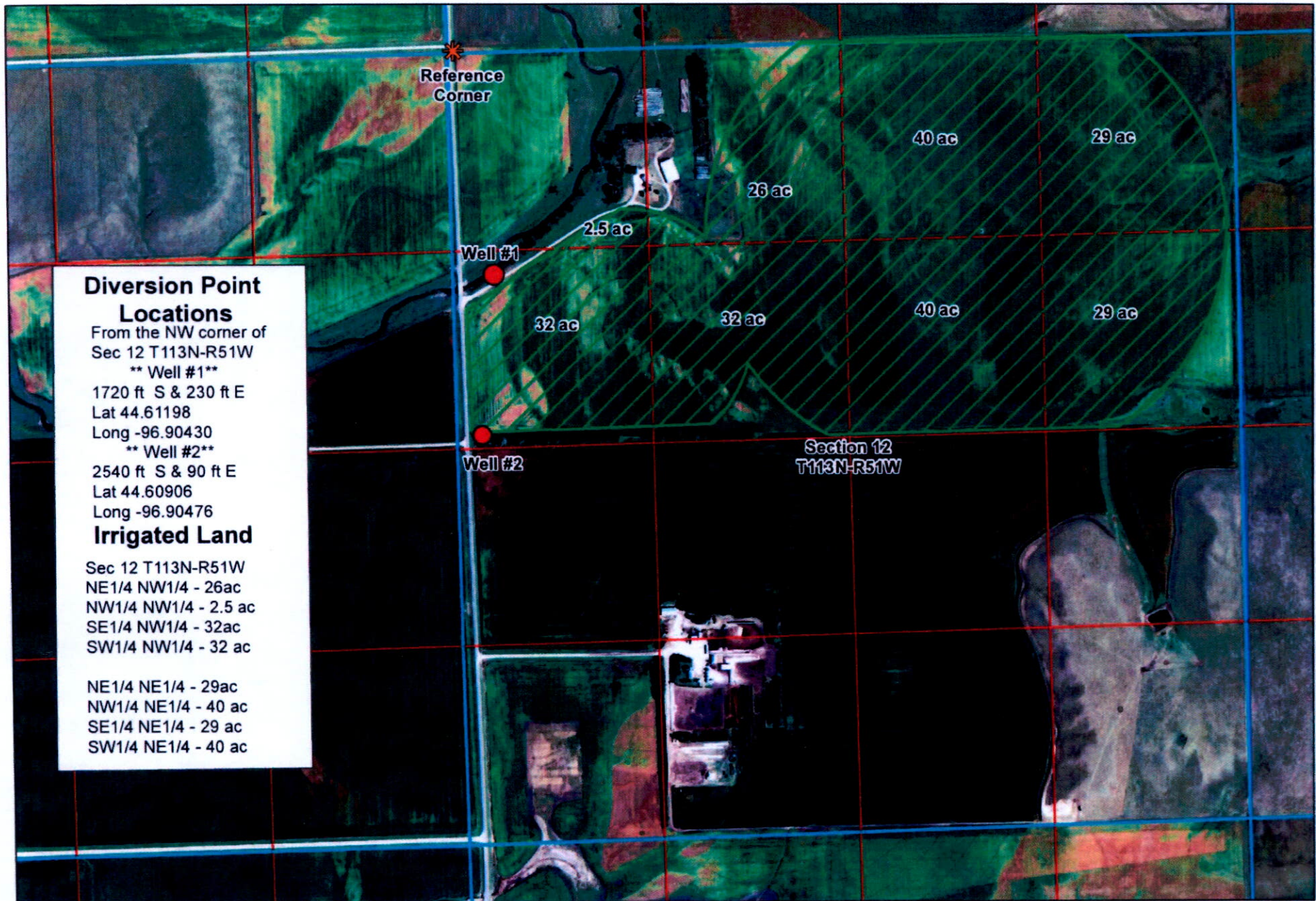
Section 12, T113N, R51W	NE ¼ NW ¼	26.0 acres	NW ¼ NE ¼	40.0 acres
	NW ¼ NW ¼	2.50 acres	NE ¼ NE ¼	29.0 acres
	SE ¼ NW ¼	32.0 acres	SW ¼ NE ¼	40.0 acres
	SW ¼ NW ¼	32.0 acres	SE ¼ NE ¼	29.0 acres

Total of 230.5 acres

Priority Dates: **May 13, 2015:** 6.5 acres in SW ¼ NW ¼ Section 12 (established under No. 8154-3)
March 16, 1989: remaining 223 acres in Section 12 and 1.78 cfs (established under No. 5303-3)

(4) Pursuant to South Dakota Water Law 46-5-30.1 Dale G Williams, 19151 463rd Ave., Estelline SD 57234 the holder and/or owner of Incorporated Water Right No. 8154-3 is issued a license to appropriate water, the right to use 1.78 cubic feet of water per second from ground water, two wells (Big Sioux Brookings Aquifer) with priority dates of May 13, 2015 (6.5 acres) and March 16, 1989 (223 acres & 1.78 cfs) from the locations specified in (2) of this license for irrigation purposes.

continued



Diversion Point Locations

From the NW corner of
Sec 12 T113N-R51W

**** Well #1****

1720 ft S & 230 ft E

Lat 44.61198

Long -96.90430

**** Well #2****

2540 ft S & 90 ft E

Lat 44.60906

Long -96.90476

Irrigated Land

Sec 12 T113N-R51W

NE1/4 NW1/4 - 26ac

NW1/4 NW1/4 - 2.5 ac

SE1/4 NW1/4 - 32ac

SW1/4 NW1/4 - 32 ac

NE1/4 NE1/4 - 29ac

NW1/4 NE1/4 - 40 ac

SE1/4 NE1/4 - 29 ac

SW1/4 NE1/4 - 40 ac



0 625 1,250 2,500 3,750 5,000 Feet

RECEIPT

WATER RIGHTS PROGRAM South Dakota Department of Agriculture and Natural Resources

Date April 11, 2023

RECEIVED OF Williams E-30 Farms 19151 465th Ave., Estelline SD 57234

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

Fee for Application for Permit No. <u>8753-3</u> to Appropriate Water, to construct and to put water to beneficial use	\$ <u>500.00</u>
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. _____	\$ _____
Fee for Filing Transfer Form _____	\$ _____
Fee for _____	\$ _____
Fee for Issuing New Well Driller's License No. _____	\$ _____
Fee for Renewal of Well Driller's License No. _____	\$ _____
Fee for Issuing Well Pump Installer's License No. _____	\$ _____
Fee for Renewal of Well Pump Installer's License No. _____	\$ _____
(Any Other Work Provided by Law) TOTAL	\$ <u>500.00</u>

By Eric Gronlund
Chief Engineer
zm

RECEIPT

WATER RIGHTS PROGRAM South Dakota Department of Agriculture and Natural Resources

Date April 17, 2023

RECEIVED OF Williams E-30 Farms/Dale G. Williams 19151 465th Ave., Estelline SD 57234

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

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use	\$ _____
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>8753-3</u>	<u>\$200.00</u>
Fee for Filing Transfer Form _____	\$ _____
Fee for _____	\$ _____
Fee for Issuing New Well Driller's License No. _____	\$ _____
Fee for Renewal of Well Driller's License No. _____	\$ _____
Fee for Issuing Well Pump Installer's License No. _____	\$ _____
Fee for Renewal of Well Pump Installer's License No. _____	\$ _____
(Any Other Work Provided by Law) TOTAL	<u>\$200.00</u>

By Eric Gronlund
Chief Engineer
EGM



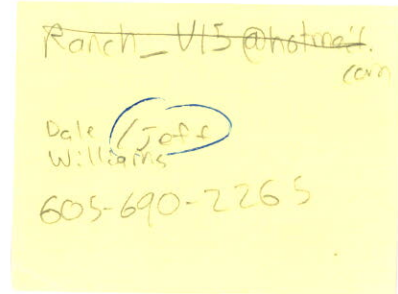
**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

April 12, 2023

Dale G Williams
19151 465th Ave.
Estelline SD 57234

Dear Mr. Williams:



Thank you for submitting the *Application for a Permit to Appropriate Water* for irrigation in Hamlin County. To complete the application, the following is required.

We received your check for \$500.00. A \$200.00 license fee is also required at this time. Please submit.

Eric Gronlund spoke with Jeff Williams on Tuesday, April 4, 2023, and during the conversation determined that the application could no longer be considered a reinstatement. Eric did not know that the 8154-3 permit is in fact licensed. Therefore, the \$200 license fee cannot be applied to your current application.

If you have any questions, please contact me.

Sincerely,

Rachel Rodriguez

Rachel Rodriguez
Water Rights Program
605 773-3352

enclosures

Schlaak, Karen

From: Gronlund, Eric
Sent: Tuesday, April 4, 2023 10:52 AM
To: Rodriguez, Rachel; Schlaak, Karen
Subject: RE: 8154-3, Williams

Jeff Williams call and I learned more information. Originally Permit 8154-3 was for just an additional 28 acres using the two wells authorized by WR 5303-3 so there was not increase in diversion rate authority.

I found out that they intend to drill a third well since the 28 acres is on the other side of a creek. That well will pump at a rate of 300 gpm. So this can no longer be considered a reinstatement.

He is going to include:

- Amount of water claimed of 300 gpm
- Provide a map showing intended location of this well
- Provide the test hole or well driller's proposal for a 37 foot deep well
- Application filing fee of \$500 (\$200 licensing fee under 8154-3 can still be applied to this application)

Dale Williams (father) owns the land and Jeff farms it. The application will be in the name of Dale Williams.

From: Gronlund, Eric
Sent: Friday, March 31, 2023 3:04 PM
To: Rodriguez, Rachel <Rachel.Rodriguez@state.sd.us>; Schlaak, Karen <Karen.Schlaak@state.sd.us>
Subject: 8154-3, Williams

Will be getting an application for reinstatement of Water Permit No. 8154-3.

As long as application is received prior to July 27, 2023, the application filing fee will be \$100.

Applicable statute is SDCL 46-2A-8.1

Karen should have an example of a reinstatement to follow.



Eric Gronlund, PE
Chief Engineer, Water Rights Program
Department of Agriculture and Natural Resources
523 E. Capitol Ave. Pierre SD, 57501
605.773.3352
danr.sd.gov



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 8753-3, Dale G. Williams**

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Program, Department of Agriculture and Natural Resources concerning Water Permit Application No. 8753-3, Dale G. Williams, 19151 465th Avenue, Estelline SD 57234.

The Chief Engineer is recommending APPROVAL of Application No. 8753-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing domestic water uses and water rights, 3) the proposed use is a beneficial use and 4) it is in the public interest as it pertains to matters of public interest within the regulatory authority of the Water Management Board with the following qualifications:

1. The well approved under Water Permit No. 8753-3 is located near domestic wells and other wells which may obtain water from the same aquifer. Water withdrawals shall be controlled so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The well authorized by Permit No. 8753-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
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. 8753-3 authorizes a maximum diversion rate of 0.67 cfs for the irrigation of 20 acres with an annual volume not to exceed 2 acre feet of water per acre per year.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Eric Gronlund, Chief Engineer
June 16, 2023

Report to the Chief Engineer
On Water Permit Application No. 8753-3

Dale G Williams

June 6th, 2023

Water Permit Application No. 8753-3 proposes to authorize 0.67 cubic feet per second (cfs) from one well to be completed into the Big Sioux: Brookings aquifer (approximately 37 feet deep) located in the W ½ NW ¼ Section 12 for irrigation of 20 acres located in the NW ¼ NW ¼ Section 12; all in T113N-R51W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres. The site of interest is located in Hamlin County approximately 2.5 miles north of Estelline, SD.

AQUIFER: Big Sioux: Brookings (BS:B)

HYDROGEOLOGY:

The Brookings management unit of the Big Sioux aquifer is a Quaternary-aged glacial outwash that consists of medium to very coarse sand and very fine to medium gravel (Kume, 1985; Hamilton, 1989). The depth of the top of the Big Sioux: Brookings aquifer ranges from the land surface in the Big Sioux River floodplain to 212 feet below land surface (Hamilton, 1989). In Brookings, Deuel, Kingsbury, and Moody Counties, the Big Sioux: Brookings aquifer is estimated to underly approximately 323,000 acres and contain approximately 1,453,000 acre-feet of recoverable water in storage (Hedges et al, 1982 and Stonesifer, 2013). The direction of groundwater movement in the Big Sioux aquifer is south and towards the Big Sioux River (Hamilton, 1989). The Big Sioux aquifer is unconfined near the Big Sioux River and along major tributary valleys, but elsewhere the aquifer may be confined by overlying till or clay lenses (Hamilton, 1989).

A test hole completion report was submitted with Water Permit Application No. 8753-3 (Water Rights, 2023d). The test hole was completed on March 7, 2023. The test hole is completed into the Big Sioux: Brookings aquifer has a range of aquifer bearing material (soft sand and gravel) at 14-36 feet below the ground surface at the time of well completion. There is also a layer of “soft yellow clay” 1-14 feet below the ground surface (Water Rights, 2023d). Several other nearby water well completion reports for the Big Sioux: Brookings aquifer show the aquifer to be unconfined near the location of the diversion point, with a static water level of approximately 9 ft below the ground surface (SDGS, 2023; Water Rights, 2023b and 2023d). The test wells geology would suggest the diversion point to be confined but, considering all the nearby unconfined water well completion reports and the layer of soft yellow clay in the test well, the diversion point for this application is likely to be unconfined.

South Dakota Codified Law (SDCL) 46-2A-9

Pursuant to SDCL 46-2A-9, “A permit to appropriate water may be issued only if there is a reasonable probability that unappropriated water is available for the applicant’s proposed use, the proposed diversion can be developed without unlawful impairment of existing domestic water

uses and water rights, the proposed use is a beneficial use, and the permit is in the public interest as it pertains to matters of public interest within the regulatory authority of the Water Management Board as defined by §§ 46-2-9 and 46-2-11.” This report will address the availability of unappropriated water and the potential for unlawful impairment of existing domestic uses and water rights within the Big Sioux: Brookings aquifer.

WATER AVAILABILITY:

Water Permit Application No. 8753-3 proposes to appropriate water from the Big Sioux: Brookings aquifer. The probability of unappropriated water being available from the aquifer can be evaluated by considering SDCL 46-6-3.1, which requires “No application to appropriate groundwater may be approved if, according to the best information reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of water to the groundwater source. An application may be approved, however, for withdrawals of groundwater from any groundwater formation older than or stratigraphically lower than the greenhorn formation in excess of the average estimated annual recharge for use by water distribution systems.” The Big Sioux: Brookings aquifer is not older than or stratigraphically lower than the Greenhorn Formation, and the applicant’s proposed use is not for use in a water distribution system as defined by SDCL 46-1-6(17). Therefore, the average annual recharge and average annual withdrawal rates to and from the Big Sioux: Brookings aquifer must be considered.

HYDROLOGIC BUDGET:

Recharge

Recharge to the Big Sioux: Brookings aquifer is received primarily through infiltration of precipitation and seepage through till, lake deposits, and underlying aquifers (Hamilton, 1989). Using observation well analysis Hedges et al (1985) estimated a recharge rate of 4.0 inches per year for the Big Sioux: Brookings aquifer. The Big Sioux: Brookings aquifer has an estimated areal extent of approximately 323,000 acres (Stonesifer, 2013). Therefore, the average annual recharge rate (based on Hedges et al, 1985; Stonesifer, 2013) is approximately 107,000 acre-feet/year.

Discharge

Discharge from the Big Sioux: Brookings aquifer in South Dakota primarily occurs through well withdrawals, seepage to surface water features, and evapotranspiration in areas where the aquifer is at or near land surface. Currently, there are 261 water rights/permits authorized to appropriate water from the Big Sioux: Brookings aquifer (Water Rights, 2023c). There is one other pending application (Application No. 8738-3) for the Big Sioux: Brookings aquifer with a priority date senior to this application. There are 11 future use permits reserving 6,041 acre-feet/year of water from the Big Sioux: Brookings aquifer, shown on Table 1 (Water Rights, 2023c).

Table 1. Future Use permit reserved water for the Big Sioux: Brookings aquifer (Water Rights, 2023c)

Future Uses Permit Holder	Permit Nos.	Amount of Reserved Water (acre-feet)
Joint Well Fields Inc.	3982-3, 3982A-3, 3982B-3, 6988-3	2,375
City of Lake Norden	4055-3, 6261-3	0
City of Castlewood	558A-3	123
City of Volga	5875-3, 6259-3	1,143
Sioux Rural Water System	5094-3, 7853-3	2,400
TOTAL:		6,041

Table 2 summarizes the 48 non-irrigation water rights/permits authorized to appropriate water from the Big Sioux: Brookings aquifer with the estimated annual use for each water right/permit as determined by their limiting diversion rate or annual volume. The amount of water that can be withdrawn was estimated by assuming the non-irrigation water rights/permits limited by an annual volume will withdraw their entire appropriated volume every year. It is estimated that non-irrigation water rights/permits limited only by a diversion rate will pump at their maximum permitted diversion rate for 60 percent of the time. The 60 percent estimation was established by Water Rights Staff to be a reasonable and safe estimate of average annual withdrawals by non-irrigation appropriations. Historically, the 60 percent estimate has been accepted by the Water Management Board. It should be noted that some of the permits listed on Table 2 are connected to rural water systems and use rural water rather than their local wells; so, they will not contribute to the annual withdrawal rate. Overall, the annual withdrawal rate for the Big Sioux: Brookings aquifer non-irrigation water rights/permits is approximately 15,247 acre-feet/year (Table 2) (Water Rights, 2023c).

Table 2. Estimated annual use for non-irrigation water rights/permits authorized to divert water from the Big Sioux: Brookings aquifer (Water Rights, 2023c)

Permit No.	Name	Status	Uses	Authorized Diversion Rate (cfs)	Authorized Annual Volume (acre-feet)	Estimate Use (acre-feet/year)
2111-3	GOPHER SIGN CO	LC	COM	0.040	N/A	17.38
5675-3	LAKE POINSETT ESTATES	LC	COM	0.090	N/A	39.10
6019-3	DAKOTA WHOLESALE BAIT INC	LC	COM, DOM	0.355	N/A	154.21
6329-3	OSWALD	LC	COM	1.280	N/A	556.03
6745-3	HANSEN	LC	COM	0.110	N/A	47.78
6785-3	DRUMGOON DAIRY LP	LC	COM, LCO	0.200	N/A	86.88
6786-3	NYSTROM	LC	COM, LCO	0.170	N/A	73.85
7277-3	OLD TREE FARMS	LC	COM, LCO	0.100	N/A	43.44
7854-3	ULVESTAD	PE	COM, LCO	0.890	N/A	386.62
7259-3	OLD APOSTOLIC LUTHERAN CHURCH	LC	GEO	1.000	120.00	120.00
5129-3	TECHNICAL ORDNANCE INC	LC	IND	0.100	N/A	43.44
6146-3	SD SOYBEAN PROCESSORS	LC	IND	0.144	N/A	62.55
1317-3	ESTELLINE	LC	MUN	1.100	N/A	477.84

Report on Water Permit Application No. 8753-3

Permit No.	Name	Status	Uses	Authorized Diversion Rate (cfs)	Authorized Annual Volume (acre-feet)	Estimate Use (acre-feet/year)
1759-3	VOLGA	LC	MUN	1.650	N/A	716.76
3117-3*	HAYTI	LC	MUN	0.330	N/A	0.00
4950-3	BRUCE	LC	MUN	0.270	N/A	117.29
5071-3*	CLEAR LAKE	LC	MUN	0.450	N/A	0.00
5167-3	VOLGA	LC	MUN	0.450	N/A	195.48
534A-3*	CLEAR LAKE	LC	MUN	1.100	N/A	0.00
557-3	LAKE NORDEN	LC	MUN	3.000	N/A	1303.20
558B-3	CASTLEWOOD	LC	MUN	0.560	N/A	243.26
558D-3	CASTLEWOOD	LC	MUN	0.330	N/A	143.35
5645-3	ESTELLINE	LC	MUN	0.660	N/A	286.70
617-3*	HAYTI	LC	MUN	0.660	N/A	0.00
5815-3	LAKE NORDEN	LC	MUN	0.560	139.00	139.00
5941-3	VOLGA	LC	MUN	0.890	644.00	644.00
6417-3	LAKE NORDEN	LC	MUN	1.450	630.00	630.00
6542-3	LAKE NORDEN	LC	MUN	0.600	262.00	262.00
8640-3	VOLGA	PE	MUN	1.110	645.00	645.00
2033-3	SIOUX RURAL WATER SYSTEM	LC	RWS	0.750	N/A	325.80
4830-3	BROOKINGS-DEUEL RWS	LC	RWS	2.000	N/A	868.80
5079-3	BROOKINGS-DEUEL-KINGBROOK	LC	RWS	2.900	N/A	1259.76
5098-3	SIOUX RURAL WATER SYSTEM	LC	RWS	2.000	N/A	868.80
5434-3	BROOKINGS-DEUEL-KINGBROOK	LC	RWS	1.000	434.00	434.00
5602-3	BROOKINGS-DEUEL-KINGBROOK	LC	RWS	1.000	434.00	434.00
5960-3	SIOUX RURAL WATER SYSTEM	PE	RWS	1.330	600.00	600.00
6002-3	BROOKINGS-DEUEL-KINGBROOK	LC	RWS	1.000	362.00	362.00
2245B-3	BROOKINGS-DEUEL RWS	LC	RWS	1.930	270.00	270.00
6718-3	BROOKINGS-DEUEL-KINGBROOK	LC	RWS	1.000	300.00	300.00
7381-3	BROOKINGS-DEUEL RWS	PE	RWS	0.000	N/A	0.00
7852-3	SIOUX RURAL WATER SYSTEM INC	PE	RWS	1.330	600.00	600.00
8185-3	JOINT WELL FIELD INC.	PE	RWS	0.000	603.00	603.00
7852A-3	SIOUX RURAL WATER SYSTEM	PE	RWS	0.000	N/A	0.00
6988A-3	JOINT WELL FIELD INC	PE	RWS	0.000	N/A	0.00
8371-3	JOINT WELL FIELD INC	PE	RWS	0.000	434.00	434.00
8732-3	SIOUX RURAL WATER SYSTEM	PE	RWS	0.000	N/A	0.00
1956-3	MEYER	LC	SHD	1.000	N/A	434.40
1956-3A	HAMILTON	LC	SHD	0.040	N/A	17.38
LC Licensed Water Right, PE Water Permit, COM Commercial, DOM Domestic, LCO Livestock Confinement Operation, GEO Geothermal, IND Industrial, MUN Municipal, RWS Rural Water System, SHD Suburban Housing Development, *These Water Rights get their water from a separate system rather than local wells.					TOTAL:	15,247

Currently, there are 213 irrigation water rights/permits appropriating water from the Big Sioux: Brookings aquifer (Water Rights, 2023c). Irrigation water rights/permits have been typically required to report their annual usage on an irrigation questionnaire since 1979. The average annual withdrawal rate for the Big Sioux: Brookings aquifer irrigation water rights/permits that have reported over the period of record (1979 to 2021) is approximately 8,943 acre-feet per year (Table 3) (Water Rights, 2023a). To reflect the current development of irrigation water

rights/permits more accurately, the average annual withdrawal rate for irrigation appropriations from 2012 to 2021 is approximately 10,951 acre-feet per year (Table 3) (Water Rights, 2023a).

There are six irrigation water permits approved in 2022-2023, that are not accounted for in Table 3, Water Permit Nos. 8601-3, 8602-3, 8638-3, 8645-3, 8669-3, and 8712-3 (Water Right, 2023c). There are also two pending irrigation applications Nos. 8738-3 and this application (Water Right, 2023c). Water Permit Nos. 8601-3, 8602-3, 8638-3, 8645-3, 8669-3, and 8712-3 combined are authorized to irrigate approximately 514 acres (Water Rights, 2023c). Generally, irrigators in eastern South Dakota apply less than one foot of water per acre per year. However, one foot of water per acre per year application rate will be used to somewhat overestimate the annual withdrawal rate for these irrigation water rights/permits. Therefore, the estimated average annual withdrawal rate for Water Permit Nos. 8601-3, 8602-3, 8638-3, 8645-3, 8669-3, and 8712-3 is estimated at approximately 514 acre-feet per year. Additionally, this application and another pending application (No. 8738-3) propose to use approximately 140 acre-feet per year. Collectively, the average annual withdrawal rate for the irrigation appropriations from 2012 to 2021 (10,951 acre-feet/year), plus the estimated average annual withdrawal rate for the irrigation water permits approved in 2022-2023 and pending applications (654 acre-feet/year), is approximately 11,605 acre-feet per year.

Table 3. Reported historic irrigation use from the Big Sioux: Brookings aquifer (Water Rights, 2023a)

Year	No. of Permits Reporting	Reported Pumpage (acre-feet)
1979	184	6,144
1980	187	9,837
1981	198	9,040
1982	155	4,558
1983	161	8,227
1984	188	8,177
1985	181	4,951
1986	179	2,855
1987	171	10,015
1988	167	18,521
1989	166	13,931
1990	175	5,863
1991	165	7,772
1992	162	2,332
1993	162	1,043
1994	160	2,855
1995	161	3,862
1996	154	7,221
1997	153	5,650
1998	157	8,110
1999	155	7,841
2000	153	8,934
2001	149	8,385
2002	149	12,411
2003	149	11,380
2004	156	11,810
2005	159	11,513
2006	161	14,325
2007	164	12,730
2008	166	12,506
2009	174	9,173
2010	172	2,713
2011	174	8,528
2012	177	19,483
2013	198	15,432
2014	212	9,948
2015	209	8,796
2016	210	10,267
2017	209	9,572
2018	211	7,953
2019	211	106
2020	209	10,001
2021	205	17,955
Max	212	19,483
Min	149	106
Avg (1982-2021)	174	8,943
Avg (2012-2021)	205	10,951

There are domestic wells completed into the Big Sioux: Brookings aquifer that do not require a water right/permit, so the withdrawal amount from those wells is unknown (Water Rights, 2023d). Due to their relatively low diversion rates, withdrawals from domestic wells are not considered to be a significant portion of the hydrologic budget. Additionally, with the development of rural water systems in areas where the Big Sioux: Brookings aquifer is the uppermost aquifer available; it is likely some domestic users may have transitioned to rural water. Therefore, the quantity of water withdrawn by domestic wells is estimated to be negligible to the hydrologic budget for the Big Sioux: Brookings aquifer.

Hydrologic Budget Summary

The average annual recharge rate to the Big Sioux: Brookings aquifer is estimated to be about 107,000 acre-feet/year (Stonesifer, 2013). The average withdrawal rate from the Big Sioux: Brookings aquifer totals to approximately 32,893 acre-feet/year; (future use: 6,041 acre-feet/year; non-irrigation: 15,247 acre-feet/year; irrigation (avg 2012 to 2021 plus the water rights/permits approved between 2021 and 2022) and pending applications: 11,605 acre-feet/year). Based on the hydrologic budget, there is a reasonable probability unappropriated water is available from the Big Sioux: Brookings aquifer for the proposed appropriation.

OBSERVATION WELL DATA:

Administrative Rule of South Dakota (ARSD) 74:02:05:07 requires that the Water Management Board shall rely upon the record of observation well measurements in addition to other data to determine that the quantity of water withdrawn annually from the aquifer does not exceed the estimated average annual recharge of the aquifer.

The DANR-Water Rights Program monitors 77 observation wells completed into the Big Sioux: Brookings aquifer. The observation wells completed into the aquifer are shown on Figure 1 (Water Rights, 2023b). These observation wells provide data on how the aquifer reacts to regional climatic conditions and local pumping. The three closest observation wells to the proposed diversion point are HN-83A (approximately 1.3 miles northeast), HN-77J (approximately 1.4 miles southwest), and HN-77H (approximately 1.8 miles southwest) (Water Rights, 2023b). The hydrographs for these observation wells are displayed in Figures 2 to 4 respectively (Water Rights, 2023b). The data points utilized to construct the hydrographs are measurement of the static water level in the observation wells from the top of the well casing. It is worth noting the hydrograph titles display DENR Water Rights Observation Well on the hydrographs when the titles should display DANR Water Rights Observation Well on hydrographs. The majority of observation wells in the Big Sioux: Brookings aquifer have a stable water level, with several observation wells that are under the influence of heavy pumping showing a history of slightly declining water levels that eventually stabilize. The data shown on Figures 2 to 4 share a similar trend with most of the observation wells in the Big Sioux: Brookings aquifer. All three of the shown observation wells, Figures 2 to 4, have their water level impacted by surface water sources (Water Rights, 2023b). Observation wells HN-83A and HN-77J, Figures 2 and 3 respectively, are located next to Hidewood Creek while HN-77H,

Figure 4, is located next to Bullhead Run Creek. Both of these creeks eventually connect to the Big Sioux River.

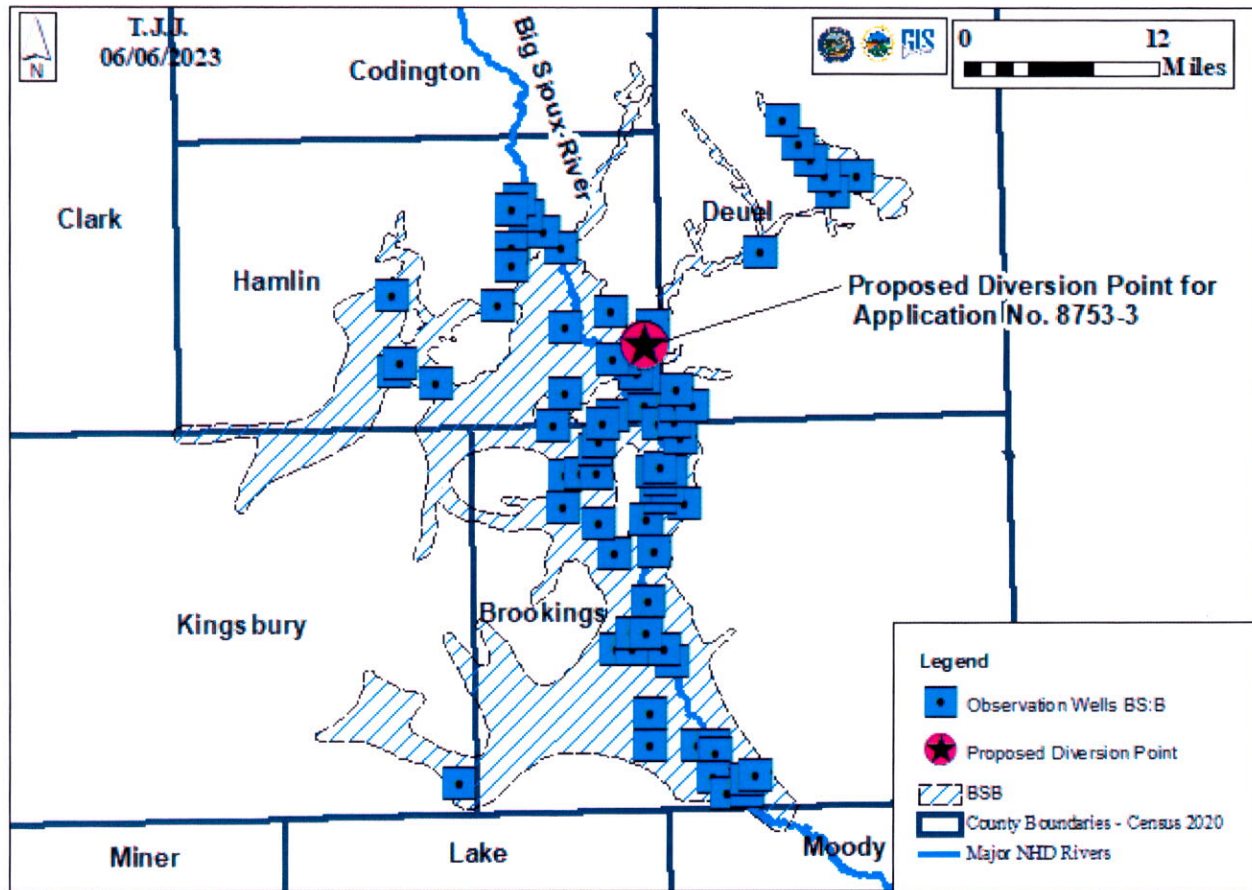


Figure 1. Map of the area Big Sioux: Brookings aquifer observation wells (Water Rights, 2023b and 2023c), and the location of diversion point for Water Permit Application No. 8753-3.

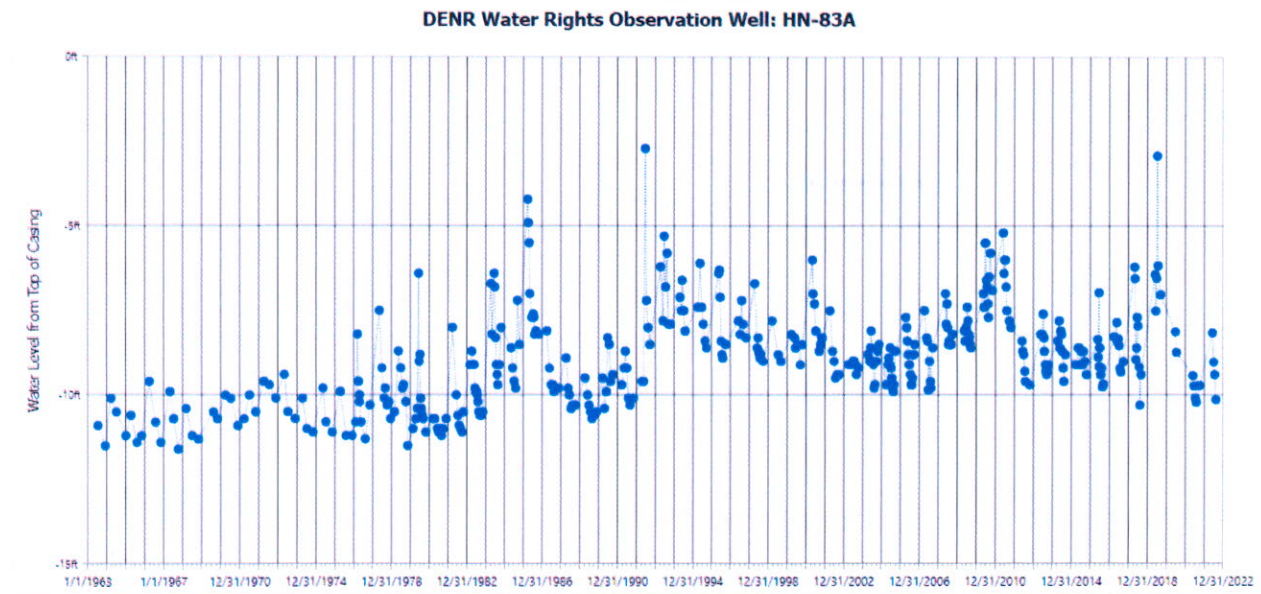


Figure 2. Hydrograph for observation well HN-83A (Water Rights, 2023b)

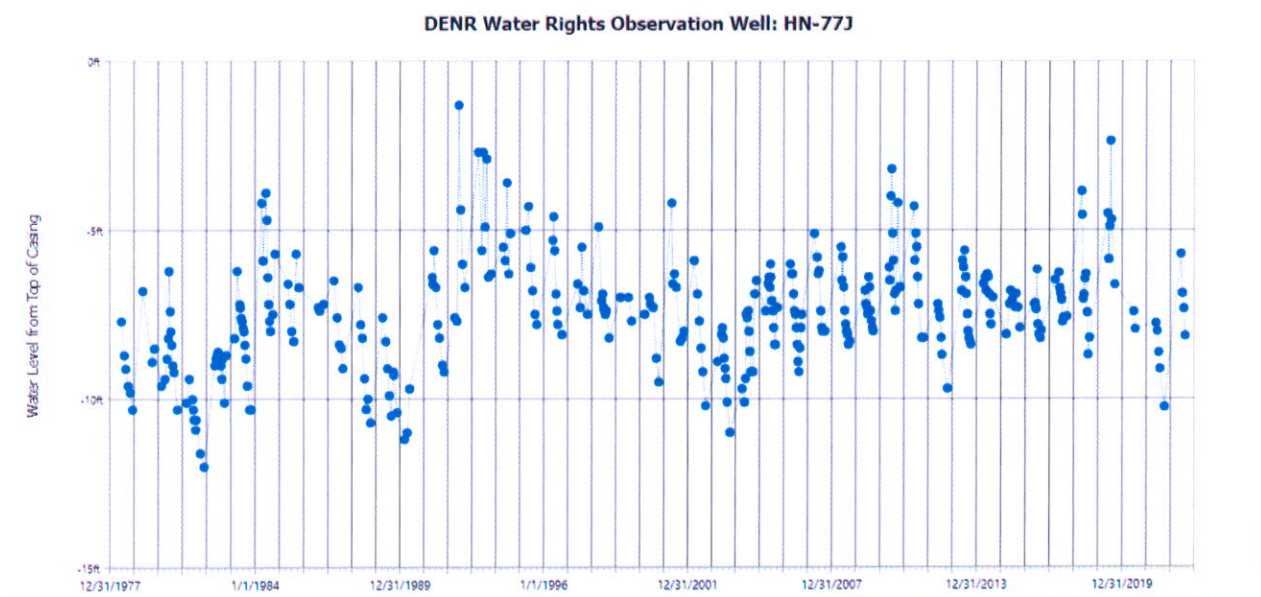


Figure 3. Hydrograph for observation well HN-77J (Water Rights, 2023b)

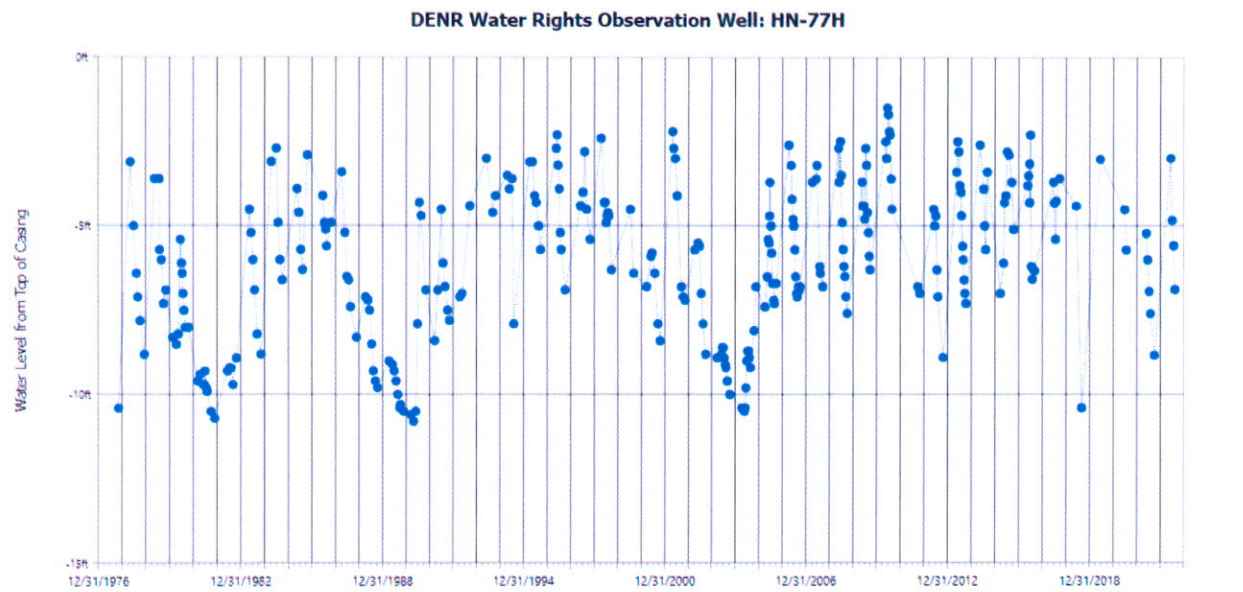


Figure 4. Hydrograph for observation well HN-77H (Water Rights, 2023b)

The hydrographs, Figures 2 to 4, for the observation wells display generally stable water levels which is representative to a majority of other observation wells in the Big Sioux: Brookings aquifer. The hydrographs for the Big Sioux: Brookings aquifer indicate that the aquifer responds well to climatic conditions because water levels are rising during wetter periods (early spring snowmelt and precipitation) and declining to a stable water level during drier periods.

Additionally, the water levels in the observation wells display that the amount of recharge to and natural discharge from the aquifer greatly exceeds pumping with the aquifer returning to pre-pumping conditions between irrigation seasons. Aquifer recovery indicates that climatic conditions and therefore, the effects of recharge to and natural discharges from the aquifer govern the long-term fluctuations of waters levels in the aquifer rather than the impacts of pumping from the Big Sioux: Brookings aquifer. By recognizing that both recharge to and natural discharge from an aquifer can be captured for pumping, the observation well hydrographs demonstrate unappropriated water is available for the proposed appropriation.

POTENTIAL FOR UNLAWFUL IMPAIRMENT OF EXISTING WATER RIGHTS:

Water rights/permits in the general vicinity of the proposed well site for this application are shown in Figure 5 and summarized in Table 4 (Water Rights, 2023c). The closest water right/permit to the diversion point is Water Right No. 3237-3 which is held by Kenneth Foster. The diversion point for Water Right No. 3237-3 is located approximately 0.4 miles south of the diversion point for this application (Water Rights, 2023c). There are domestic wells on file with the DANR-Water Rights Program that are completed into the Big Sioux: Brookings aquifer, with the closest domestic well on file (not held by the applicant) approximately 0.5 miles southeast of the diversion point based on the well completion report submitted by the driller (Water Rights, 2023d). The location of the domestic wells is based on the information provided by the well driller on the submitted well completion report. There could potentially be other domestic wells

completed into the Big Sioux: Brookings aquifer near the diversion point that are not on file with the DANR-Water Rights Program.

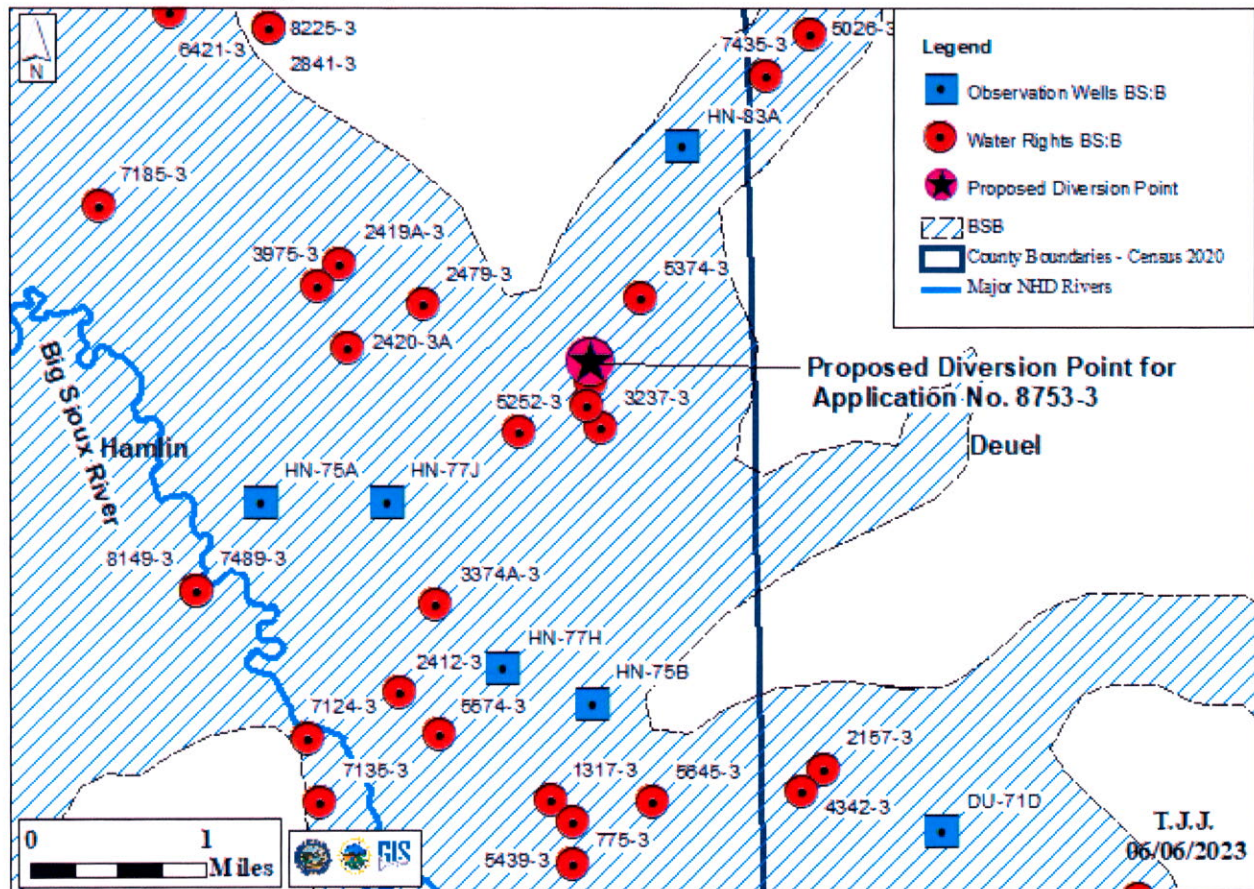


Figure 5. Map of the Big Sioux: Brookings aquifer water rights/permits within 4 miles of the proposed diversion point (Water Rights, 2023b and 2023c), and the location of diversion point for Water Permit Application No. 8753-3.

Table 4. List of water rights/permits shown in Figure 5.

Permit	Name/Business	Priority	Status	Use Type	CFS	Acres
775-3	Mark N/ Mary M Mack	04/24/1961	License	Irrigation	2.19	153
1317-3	City of Estelline	01/01/1910	License	Municipal	1.10	0
2157-3	Todd Jongeling	12/02/1974	License	Irrigation	0.67	64
2412-3	Pine Knoll Inc.	10/16/1975	License	Irrigation	1.55	129
2419A-3	GTS	10/15/1975	License	Irrigation	1.00	70
2420-3A	Gerald L Spilde	10/15/1975	License	Irrigation	1.89	132
2479-3	Pine Knoll Inc.	12/15/1975	License	Irrigation	2.00	258
2841-3	Wayne Janssen	06/29/1976	License	Irrigation	1.78	124
3237-3	Kenneth Foster	10/15/1976	License	Irrigation	1.16	225
3374A-3	Bill Sanderson	12/08/1976	License	Irrigation	2.00	339
3975-3	GTS	05/24/1977	License	Irrigation	2.95	207
4342-3	Pine Knoll Inc.	12/16/1976	License	Irrigation	1.71	120
5026-3	Poinsett Htrn Brth	05/23/1984	License	Irrigation	1.55	122.5
5252-3	Dale Williams	11/08/1988	License	Irrigation	1.78	200
5374-3	Kenneth/Judith Foster	11/27/1989	License	Irrigation	1.89	132
5439-3	Ross Ritchie	04/13/1990	License	Irrigation	0.67	3.6
5574-3	Pine Knoll Inc.	07/15/1991	License	Irrigation	1.50	105
5645-3	City of Estelline	03/05/1992	License	Municipal	0.66	0
6421-3	Keith Ebberts	05/29/2003	License	Irrigation	1.11	125
7124-3	Jim Tesch	03/12/2009	License	Irrigation	0.89	70
7135-3	Russell Tesch	05/01/2009	License	Irrigation	0.71	50
7185-3	Tom Jongeling	02/23/2010	License	Irrigation	1.56	132
7435-3	Poinsett Htrn Brth	09/14/2012	License	Irrigation	1.22	76
7489-3	Dale G Williams	10/29/2012	License	Irrigation	1.78	134
8149-3	Dale G Williams	04/28/2015	License	Irrigation	0.66	65.4
8154-3	Dale G Williams	03/16/1989	License	Irrigation	1.78	230.5
8225-3	Ralland Janssen	05/12/2016	License	Irrigation	0.11	127

The Big Sioux: Brookings aquifer is primarily under unconfined conditions. In an unconfined aquifer, drawdown created by pumping does not extend far from the pumped well. The Water Management Board recognizes that putting water to beneficial use requires a certain amount of drawdown to occur. The Board has developed rules to allow water to be placed to maximum beneficial use without the necessity of maintaining artesian head pressure for domestic use. The Water Management Board defined an “adversely impacted domestic well” in ARSD 74:02:04:20(7) as:

“A well in which the pump intake was set at least 20 feet below the top of the aquifer at the time of construction or, if the aquifer is less than 20 feet thick, is as near to the bottom of the aquifer as is practical and the water level of the aquifer has declined to a level that the pump will no longer deliver sufficient water for the well owner’s needs.”

In Hamlin and Deuel Counties, the Big Sioux aquifer has an average saturated aquifer thickness of approximately 30 feet (Kume, 1985). Drawdown is likely to occur in the Big Sioux: Brookings aquifer. However, precise drawdown in the aquifer cannot be known without an aquifer performance test. While the best information available indicates that there is a reasonable probability average annual recharge exceeds average annual withdrawals in the aquifer,

conditions can occur where withdrawals in the aquifer exceed recharge for a period of time. Situations may occur where pumping from a thicker part of an unconfined aquifer could cause drawdown impacting adequate wells in a thinner part of the aquifer. Under such conditions an unlawful impairment of senior water rights/permits or adequate domestic wells may occur. Therefore, the applicant should control their withdrawals so that nearby adequate domestic wells and senior water rights/permits are able to access needed water. When considering the statutes (SDCL 46-1-4 and 46-6-6.1), rules (ARSD 74:02:04:20 (6) and (7)), the saturated aquifer thickness near the diversion point, the lack of well interference complaints for adequate wells completed into the Big Sioux: Brookings aquifer in Hamlin County (Water Rights, 2023e), any drawdown created from the diversion is not expected to cause an unlawful impairment on existing water right/permit holders or domestic users with adequate wells. Therefore, there is a reasonable probability that any interference from the proposed appropriation will not impose unlawful impairments on existing users with adequate wells.

SDCL 46-5-6:

Pursuant to SDCL 46-5-6, the diversion rate for an irrigation appropriation cannot be in excess of 1.0 cfs per 70 acres or “the equivalent thereof.” The statute does provide 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...”

Water Permit Application No. 8753-3 indicates the planned method of irrigation is subirrigation. If approved, the permit would authorize a maximum instantaneous diversion rate of 0.67 cfs from one well for the irrigation of 20 acres. This rate may be useful for quickly filling the tile lines with water but the sustained flow rate will be significantly less as the crop uses the water. While not indicated on the application, if subirrigation irrigation cannot be successfully implemented, then the applied for 0.67 cfs may be needed to place a small center pivot on the property which will complete a partial rotation. For example, a full quarter-section sized center pivot requires 1.78 cfs to operate regardless of swinging a partial or full circle. This reason has been acceptable to the Water Rights Program and the Water Management Board in the past.

CONCLUSIONS:

1. Water Permit Application No. 8753-3 proposes to appropriate 0.67 cfs from two wells to be completed into the Big Sioux: Brookings aquifer located in the W ½ NW ¼ Section 12 for the irrigation of 20 acres located in the NW ¼ NW ¼ Section 12; all in T113N-R51W. The site of interest is located approximately 2.5 miles north of Estelline, SD.
2. Based on observation well data and the hydrologic budget, there is a reasonable probability that unappropriated water is available from the Big Sioux: Brookings aquifer to supply the proposed appropriation.
3. There is a reasonable probability that the diversion by Water Permit Application No. 8753-3 will not unlawfully impair adequate wells for existing water rights/permits and domestic uses.



Tyler Jensen
Natural Resources Engineer I
SD DANR - Water Rights Program

Reviewed by:



Adam Mathiowetz, PE
Natural Resources Engineer IV
SD DANR - Water Rights Program

References

- Hamilton, L.J., 1989. Water Resources of Brookings and Kingsbury Counties, South Dakota: Water-Resources Investigation Report 88-4185. USGS, Huron, South Dakota: U.S. Geological Survey.
- Hedges, L.S., Allen, J., Holly, D.E., 1985. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 7: Ground Water Recharge; United States Army Corps of Engineers Contract DACW 45-80-C-0185.
- Hedges, L.S., Burch, S.L., Iles, D.L., Barari, R.A., and Schoon, R.A. 1982. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 1: Bed rock Topography and Distribution, Task 2: Extent of Aquifers, Task 3 Ground-Water Storage, Task 4: Computerized Data Base. United States Army Corps of Engineers Contract DACW 45-80-C-0185.
- Kume J., 1985. Water Resources of Deuel and Hamlin Counties, South Dakota; Water-Resources Investigations Report 84-4069 SDGS, Huron, South Dakota.
- SDGS, 2023. South Dakota Geological Survey Lithologic Logs Database. Accessed June 6, 2023. <http://cf.sddanr.net/lithdb/>.
- Stonesifer, J.R., 2013. Report to the Chief Engineer, Water Permit Application No. 7854-3, David Ulverstad, August 23, 2013. SD DENR-Water Rights Program, Joe Foss Bldg, Pierre, SD.
- Water Rights, 1995. Findings of Fact, Conclusions of Law, and Final Decision in the Matter of Water Permit Application No. 2313-2, Coca-Cola Bottling Company of the Black Hills. DANR-Water Rights Program file for Water Right No. 2313-2. Pierre, SD.
- Water Rights, 2023a. "1979-2022 Irrigation Summaries by Aquifer", SD DANR-Water Rights Program, Joe Foss Building, Pierre, SD.
- Water Rights, 2023b. Observation Well Data, SD DANR-Water Rights Program, Joe Foss Bldg, Pierre, SD.
- Water Rights, 2023c. Water Right/Permit Files, SD DANR-Water Rights Program, Joe Foss Bldg, Pierre, SD.
- Water Rights, 2023d. Well Completion Reports, SD DANR-Water Rights Program, Joe Foss Bldg, Pierre, SD.
- Water Rights, 2023e. County Files, SD DANR-Water Rights Program, Joe Foss Bldg, Pierre, SD.



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

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

June 21, 2023

Dale G Williams
19151 465th Ave
Estelline SD 57234

Dear Mr. Williams:

Water Permit Application No. 8753-3 for irrigation use have been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Hamlin County Herald Enterprise printed at Hayti SD (Ph # 605 783-3636) and the Public Opinion printed at Watertown SD (see attachment for contact number). You will need to contact the newspapers 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 newspapers to authorize publication of your Notice and to arrange for payment. Early contact with the papers can eliminate delays. Upon receiving authorization from you, the publishers have been instructed to publish your notice. The newspapers have 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,

Rachel Rodriguez

Rachel Rodriguez
Water Rights Program
(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.

NOTICE OF APPLICATION NO. 8753-3 to Appropriate Water

Notice is given that Dale G Williams, 19151 465th Avenue, Estelline SD 57234 has filed an application for a water permit to appropriate 0.67 cubic feet of water per second (cfs) from one well to be completed into the Big Sioux: Brookings Aquifer (approximately 37 feet deep) located in the W 1/2 NW 1/4 Section 12 for irrigation of 20 acres located in the NW 1/4 NW 1/4 Section 12; all in T113N-R51W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres. This site is located approximately 2.5 miles north of Estelline SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8753-3 with qualifications because 1) unappropriated water is available, 2) existing domestic water uses and water rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest as it pertains to matters within the regulatory authority of the Water Management Board. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <https://danr.sd.gov/public> or contact Ron Duvall for this information, or other information, at the Water Rights Program address provided below.

Any person interested in opposing this application or recommendation shall allege that the application, upon approval, will cause injury to the person that is unique from any injury suffered by the public in general. The injury must concern a matter either within the regulatory authority found in SDCL 46-2A-9 for approval or denial of the application, or other matter concerning the application within the regulatory authority of the board to act upon as defined by SDCL 46-2-9 and 46-2-11, or both. Any person meeting the petitioner requirements and wishing to be a party of record in a contested case hearing shall file a written petition to oppose the application with BOTH the applicant and Chief Engineer. A petition opposing the application shall be filed on a form provided by the Chief Engineer. The petition form is available online at <https://danr.sd.gov/public> or by contacting the Chief Engineer. The Chief Engineer's address is "Water Rights Program, Foss Building, 523 E Capitol, Pierre SD 57501" or call (605) 773-3352. The applicant's mailing address is given above. If contesting the Chief Engineer's recommendation, the applicant shall also file a petition. A petition filed by either an interested person or the applicant must be filed by July 17, 2023.

The petition shall include a statement describing the unique injury upon approval of the application on the petitioner, the petitioner's reasons for opposing the application, and the name and mailing address of the petitioner or the petitioner's legal counsel, if legal counsel is obtained.

Any interested person may file a comment on the application with the Chief Engineer. The comment shall be filed on a form provided by the Chief Engineer and is available online at <https://danr.sd.gov/public> or by calling (605) 773-3352 or writing the Chief Engineer at the address provided above. Filing a comment does not make the commenter a party of record or a participant in any hearing that may be held. Any comment must be filed by July 17, 2023.

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.

Published once at the total approximate cost of _

Rodriguez, Rachel

Handwritten: 8/24

From: Rodriguez, Rachel
Sent: Tuesday, June 20, 2023 3:09 PM
To: LeeAnne Dufek
Subject: 8753-3 Dale G Williams - Public Notice
Attachments: 8753-3 public.short_final.docx; FORM8.FRM.doc

Attached is a notice to be published on July 5, 2023.

Dale G Williams, 19151 465th Avenue, Estelline SD 57234, (605 873-9319 or 605 690-2265)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.

Thank you,

Rachel Rodriguez
DANR | Program Assistant
Rachel.Rodriguez@state.sd.us



Rodriguez, Rachel

From: Rodriguez, Rachel
Sent: Tuesday, June 20, 2023 3:11 PM
To: legals@thepublicopinion.com
Subject: FW: 8753-3 Dale G Williams - Public Notice
Attachments: 8753-3 public.short_final.docx; FORM8.FRM.doc

Attached is a notice to be published on July 5, 2023.

Dale G Williams, 19151 465th Avenue, Estelline SD 57234, (605 873-9319 or 605 690-2265)has been notified to contact you to authorize publication and arrange for payment.

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

Thank you,

Rachel Rodriguez
DANR | Program Assistant
Rachel.Rodriguez@state.sd.us



Rodriguez, Rachel

From: LeeAnne Dufek <hcp@itctel.com>
Sent: Tuesday, June 20, 2023 4:39 PM
To: Rodriguez, Rachel
Subject: Re: [EXT] 8753-3 Dale G Williams - Public Notice

No you don't need to - I will put it on the schedule for next week.

On Jun 20, 2023, at 4:37 PM, Rodriguez, Rachel <Rachel.Rodriguez@state.sd.us> wrote:

Okay, then please public on June 28, 2023. Do you need me to send the updated document with the new date?

Thank you,

Rachel Rodriguez
DANR | Program Assistant
Rachel.Rodriguez@state.sd.us
<image001.png>

From: LeeAnne Dufek <hcp@itctel.com>
Sent: Tuesday, June 20, 2023 4:25 PM
To: Rodriguez, Rachel <Rachel.Rodriguez@state.sd.us>
Subject: Re: [EXT] 8753-3 Dale G Williams - Public Notice

We do not publish July 5 due to the 4th of July holiday. I can publish it June 28 or July 12.

On Jun 20, 2023, at 3:09 PM, Rodriguez, Rachel <Rachel.Rodriguez@state.sd.us> wrote:

Attached is a notice to be published on July 5, 2023.

Dale G Williams, 19151 465th Avenue, Estelline SD 57234, (605 873-9319 or 605 690-2265)has been notified to contact you to authorize publication and arrange for payment.

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

Thank you,

Rachel Rodriguez
DANR | Program Assistant

Rodriguez, Rachel

From: Gannett Legals Public Notices 4 <ganlegpubnotices4@gannett.com>
Sent: Tuesday, June 20, 2023 4:17 PM
To: Rodriguez, Rachel
Subject: RE: [EXT] 8968608 FW: 8753-3 Dale G Williams - Public Notice
Attachments: Order_Confirmation_Liners - 2023-06-20T161620.081.pdf

Greetings,

NOTE: We are not legally trained and it is your responsibility to make sure your Ad meets the requirements of your State/Court, this includes wording and publication times. Please verify all information is there and correct. Anything missing and/or incorrect can cause your publication to be rejected in which you will be responsible for all fees to republish. If any changes or revisions are needed please specify these changes and send an updated document.

Please find attached your order confirmation and proof of the ad. **Please note that prepayment is required.**

Your ad is set to run in: The Public Opinion on July 5th 2023

The total cost is \$51.48 which includes an affidavit, which will be mailed to you after the ad publishes. Please call the number below by 6/30 by 5:00 pm **for PAYMENT of the ad in order to run.** You may reference ad# **8968608**. You will be able to receive an affidavit 7-10 business days after the last day of printing.

Thanks,
Daniel Schmidt
Public Notice Representative



Office: 844-678-3462

From: Rodriguez, Rachel <Rachel.Rodriguez@state.sd.us>
Sent: Tuesday, June 20, 2023 3:11 PM
To: SD-Watertown Legals <legals@thepublicopinion.com>
Subject: 8968608 FW: 8753-3 Dale G Williams - Public Notice

Attached is a notice to be published on July 5, 2023.

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

Thank you,

Rachel Rodriguez
DANR | Program Assistant

LOCALiQ

Aberdeen News
Watertown Public Opinion

PO Box 630567 Cincinnati, OH 45263-0567

PROOF OF PUBLICATION

Rodriguez
Dale G Williams
19151 465Th AVE
Estelline SD 57234-6029

STATE OF SOUTH DAKOTA, COUNTY OF CODINGTON

The Watertown Public Opinion is, and during all the times hereafter mentioned was, a daily legal newspaper as defined in SDCL 17-2-2.1 through 17-2-2.4, as amended, published at Watertown, Codington County, South Dakota, by Watertown Public Opinion; that the notice, order or advertisement, a printed copy of which is attached, was published in said newspaper in the issue dated:

07/05/2023

and that the fees charged are legal.
Sworn to and subscribed before on 07/05/2023

Legal Clerk

Notary, State of WI, County of Brown

My commission expires

Publication Cost: \$51.48

Order No: 8968608

of Copies:

Customer No: 968970

1

PO #:

THIS IS NOT AN INVOICE!

Please do not use this form for payment remittance.

VICKY FELTY
Notary Public
State of Wisconsin

NOTICE OF
APPLICATION NO. 8753-3
to Appropriate Water

Notice is given that Dale G Williams, 19151 465th Avenue, Estelline SD 57234 has filed an application for a water permit to appropriate 0.67 cubic feet of water per second (cfs) from one well to be completed into the Big Sioux: Brookings Aquifer (approximately 37 feet deep) located in the W 1/2 NW 1/4 Section 12 for irrigation of 20 acres located in the NW 1/4 NW 1/4 Section 12; all in T113N-R51W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres. This site is located approximately 2.5 miles north of Estelline SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8753-3 with qualifications because 1) unappropriated water is available, 2) existing domestic water uses and water rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest as it pertains to matters within the regulatory authority of the Water Management Board. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <https://danr.sd.gov/public> or contact Ron Duvall for this information, or other information, at the Water Rights Program address provided below.

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recommendation, the applicant shall also file a petition. A petition filed by either an interested person or the applicant must be filed by July 17, 2023.

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Published once at the total approximate cost of \$48.40

RECEIVED

Form 8

JUL 05 2023

OFFICE OF
WATER

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County of Hamlin) SS

I, Leanne Dufek

certify that the attached printed Notice was taken
from the Estelline Journal

printed and published in Estelline

County of Hamlin and
state of South Dakota. The notice was published

in the newspaper on the following date:

June 28, 2023

Cost of Printing \$40.00

Leanne Dufek
(Signature)

Owner
(Title)

6-28-23
(Date Signed)

NOTICE OF APPLICATION NO.
8753-3 TO APPROPRIATE WATER

Notice is given that Dale G Williams, 19151 465th Avenue, Estelline SD 57234 has filed an application for a water permit to appropriate 0.67 cubic feet of water per second (cfs) from one well to be completed into the Big Sioux: Brookings Aquifer (approximately 37 feet deep) located in the W 1/2 NW 1/4 Section 12 for irrigation of 20 acres located in the NW 1/4 NW 1/4 Section 12; all in T113N-R51W. The applicant is requesting a diversion rate greater than the statutory limit of 1 cfs per 70 acres. This site is located approximately 2.5 miles north of Estelline SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8753-3 with qualifications because 1) unappropriated water is available, 2) existing domestic water uses and water rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest as it pertains to matters within the regulatory authority of the Water Management Board. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <https://danr.sd.gov/public> or contact Ron Duvall for this information, or other information, at the Water Rights Program address provided below.

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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.

Published June 28, 2023, at total cost of \$40.00 and may be viewed online at www.sdpublicnotices.com

All public notices in South Dakota newspapers
accessible at the website: sdpublicnotices.com

Rodriguez, Rachel

From: Rodriguez, Rachel
Sent: Tuesday, June 20, 2023 4:59 PM
To: dmwilliams21@hotmail.com
Subject: 8753-3 Dale G Williams - Public Notice
Attachments: 8753-3_rec.pdf; 8753-3_Williams Ltr.pdf; 8753-3 public.short_final.docx; WatertownPublic Opinion.pdf

Attached is a copy of the report, chief engineer recommendation and information regarding the public notice for your water permit application. As stated in the letter, **please contact the paper(s) as soon as possible to authorize publication and arrange for payment**. This information is being mailed to you today.

Thank you,

Rachel Rodriguez
DANR | Program Assistant
Rachel.Rodriguez@state.sd.us





**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

JUL 21 2023

Mr. Dale G. Williams
19151 465th Avenue
Estelline SD 57234

Dear Mr. Williams:

Enclosed is Water Permit No. 8753-3 authorizing construction of the water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

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

Sincerely,

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

enclosures



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF HUGHES)

**Affidavit of Public Notice
on DANR Website**

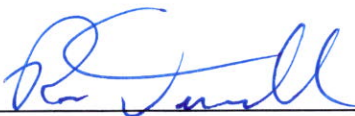
Pursuant to SDCL § 46-2A-4, public notice of the following application was posted on the DANR web site at <https://danr.sd.gov/public>. The posted public notice is the same notice as published in the pertinent newspaper(s) and a copy of the public notice is maintained in the application file. If the application is contested, the posting is moved to the DANR contested case website at <https://danr.sd.gov/public/ContestedCase.aspx> until final action is taken on the application pursuant to SDCL § 46-2A-4.

Application No.: 8753-3

Name of Applicant: Dale G. Williams

Date of Posting: 7/5/2023

Date of Removal: 7/21/2023



Ron Duvall, Water Rights Permitting Administrator

7/21/23

Date

Subscribed and sworn to before me, a notary public, this 21 day of July, 2023.



Notary Public - South Dakota
My commission expires:
Rachel Rodriguez
My Commission Expires
May 16, 2029

(SEAL)



8753-3



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

November 7, 2023

8753-3

Jeff Williams, Operator
19132 465th Ave
Estelline SD 57234

Dear Mr. Williams:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know that you are completed with your water use system.

The system is now ready for inspection. Inspections are done on a county-by-county basis as staff time permits. You have done everything you need to do and the intervening time between the completion of your project and the staff inspection has no bearing on your water permit.

Someone from our office will contact you prior to the inspection to set up a time that is convenient for you. If you have any questions, please contact me.

Sincerely,

Amanda Dewell
Water Rights Program
(605) 773-3352
email: Amanda.Dewell@state.sd.us



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

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

TO: Water Rights Program, DANR
523 E. Capitol Ave.
Pierre, SD 57501-3182
or via email to DANRmail@state.sd.us

Date 11/6/2023

FROM: Jeff Williams

(name)

6056092265

(phone)

19132 465th ave

(address)

jtwilson@itctel.com

(email)

Estelline S.D. 57234

(city, state, zip)

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

Water Permit No. 8753-3 states that the water use system is to be constructed by

07/17/2028

(date)

, and water is to be put to beneficial use by

07/17/2032

(date)

The water use system was completed on 09/12/2023

(date)

Applying the water to beneficial use was completed on

??/??/2024

(date)

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

11/6/23: spoke w/ Jeff on the phone. He said water was ready to be put to use now but wouldn't be used until May 2024. AMD

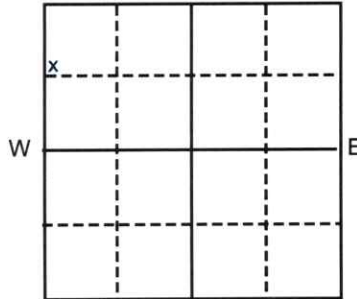
8753-3

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW 1/4 NW 1/4 Sec 12 Twp 113 Rg 51County Hamlin

North

Please mark well
location with an "X"

Well Completion Date

05/31/2023

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?

100 ft. from Creek (identify source)

PROPOSED USE:

☐ Domestic/Stock
☒ Irrigation
☐ Municipal
☐ Industrial
☐ Business
☐ Institutional
☐ Test holes
☐ Monitoring well

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☐ Plastic ☐ Other
 If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	<u>12</u> IN	<u>0</u> FT	<u>26</u> FT	IN
LB/FT	<u>12</u> IN	<u>36</u> FT	<u>46</u> FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>H.S. BENT</u>	<u>3</u>	Lb/gal	<u>0.0</u> Ft	<u>15</u> Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

Tremmy

SCREEN:

☐ Perforated pipe ☒ Manufactured
 Diameter 12 Inches Length 10 Feet
Material Stainless SteelSlot Size 100 Set From 26 Feet to 36 Feet

Other information

WAS A PACKER OR SEAL USED? ☐ Yes ☒ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorine☐ No, Why Not?Lab to which water
quality sample sent for analysisWell Owner: Jeff Williams

Business Name:

Address: 19132 465th AveCity, State, Zip: Estelline ☒ SD ☒ 57234

WELL LOG:

			DEPTH	
FORMATION			FROM	TO
TOP SOIL	BLK		0	1
CLAY	YLW	SOFT	1	14
SAND/GRAVEL		SOFT	14	36
CLAY	YLW	H/GUMMY	36	46

STATIC WATER LEVEL 12 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☐ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

25.4 Ft. After 1 Hrs. pumped 525 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

Irr Well (TH#2) SEC 12

GPS:

44 36 44.43N

96 54 17.55W

This well was drilled under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump Inc

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

RECEIVED

DEC 20 2023

Date:

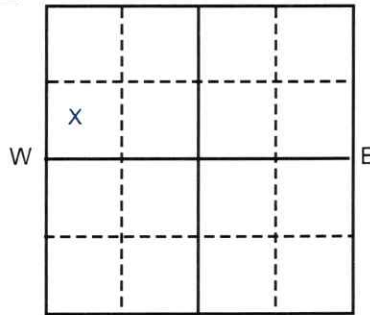
OFFICE OF
WATER

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec 12 Twp 113 Rg 51County Hamlin

North

Please mark well
location with an "X"

Well Completion Date

12/11/2023

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?

800 ft. from Septic (identify source)

PROPOSED USE:

☐ Domestic/Stock ☐ Municipal ☐ Business ☐ Test holes
☒ Irrigation ☐ Industrial ☐ Institutional ☐ Monitoring well

METHOD OF DRILLING:

Mud Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	<u>12</u> IN	<u>0</u> FT	<u>28</u> FT	<u>17.5</u> IN
LB/FT	<u>12</u> IN	<u>38</u> FT	<u>48</u> FT	<u>17.5</u> IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>H.S. BENT</u>	<u>9</u>	Lb/gal	<u>0.0</u> Ft	<u>20</u> Ft
		Lb/gal	Ft	Ft

Describe grouting procedure _____

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 12 Inches Length 10 FeetMaterial Stainless SteelSlot Size 100 Set From 28 Feet to 38 Feet

Other information _____

WAS A PACKER OR SEAL USED?

☐ Yes ☒ No

If so, what material? _____

Describe packer(s) and location _____

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorine
☐ No, Why Not? _____
Lab to which water
quality sample sent for analysisWell Owner: Jeff Williams

Business Name: _____

Address: 19132 465th AveCity, State, Zip: Estelline ☐ SD ☐ 57234

WELL LOG:

FORMATION			DEPTH	
			FROM	TO
Top Soil	Black		0	1
Clay	Tan	M	1	5
Gravl	Tan	Course	5	38
Clay	Gray	M-H Gummy	38	48

STATIC WATER LEVEL 12.8 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other _____

Reduced flow rate _____ GPM

Can well be completely shut in? _____

WELL TEST DATA:

☒ Pumped Describe: Submersible
☐ Bailed

☐ Other

Pumping Level Below Land Surface

30.5 Ft. After 24.25 Hrs. pumped 896 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

IRR WELL #5 (TH #10)

44 36 42.70N

96 54 14.91W

RECEIVED

DEC 31 2024

OFFICE OF
WATERThis well was drilled under license # 463 and this report is true and accurate.Drilling firm: Steffl Drilling & Pump Inc

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: 2-28-2024