

WATER PERMIT NO. 7852A-3

Name of Applicant: Sioux Rural Water System Inc.

Address: 45703 176th St, Watertown SD 57201

Phone: 57201

Amount of Water Claimed: no additional

Total Acres: NA

Source of Water Supply: groundwater

Water to be used for: rural water system use

County: Hamlin

Type of Waste Disposal System:

Location: 1/2 mile west of Castlewood

PRIORITY

Date Received: 7-17-18

Application/License Fee: \$ 100

Corrected Application Received:

Period of Annual Use: Jan 1 – Dec 31

Remarks: extension of time request

Diversion Point: SE 1/4 SW 1/4 Sec 34-T115N-
R52W

Land to be Irrigated: NA

Depth of Well: 40-50 feet deep

Well Driller:

Remarks:

Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 7-17-18

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

			34		
			⊗		

**SOUTH DAKOTA
WATER PERMIT NO. 7852A-3**

Date of first receipt of application July 17, 2018.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 7852A-3 to Sioux Rural Water System, Inc., 45703 176th St, Watertown SD 57201 authorizing the construction of the water use system and the placing of water to beneficial use subject to the following limitations, conditions and qualifications:

1. Water Permit No. 7852A-3 amends Water Permit No. 7852-3 to extend the length of time allowed to complete construction of works. Water Permit No. 7852-3 appropriates 600 acre-feet of water, increases the diversion rate authority an additional 1.33 cubic feet of water per second and authorizes two additional wells to be completed into the Big Sioux-Brookings Aquifer (35-45 feet deep). This permit serves to clarify the two wells will be located in the SE 1/4 SW 1/4 Section 34-T115N-R52W. The rural water system serves users in Hamlin, Codington, Deuel and Clark Counties. This site is located 1/2 mile west of Castlewood SD.
2. The water appropriated shall be used for the purpose of rural water systems use and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date of approval of Permit No. 7852A-3 is September 17, 2018.
5. The dates from which applicant may claim right are June 1, 1986 (390 acre-feet) and June 5, 2013 (210 acre-feet).
6. All construction is to be completed on or before August 26, 2019.
7. Water is to be put to beneficial use on or before August 26, 2022.
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 wells approved under Water Right No. 5098-3, Water Permit Nos. 5960-3, 7852-3 and 7852A-3 will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The two wells authorized by Permit Nos. 7852-3 and 7852A-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. Water Right No. 5098-3, Water Permit Nos. 5960-3, 7852-3 and 7852A-3, combined, authorize a total diversion of 2,100 acre feet of water annually from the Big Sioux:Brookings aquifer
4. Sioux Rural Water System shall report to the Chief Engineer annually the amount of water withdrawn from the Big Sioux:Brookings aquifer.

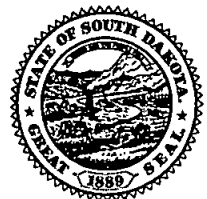
WATER MANAGEMENT BOARD

By: _____

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

SEP 25 2018

date



FORM 2: Application for uses other than irrigation

(type or print)

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>1852A-3</u>	(office use only) Hydrologic Unit <u>10170202</u>
	Basin <u>Sioux River</u>	
	Newspaper <u>see list</u>	

RECEIVED
JUL 17 2018
WATER RIGHTS
PROGRAM

Application For Permit To Appropriate Water Within The State Of South Dakota

Check use(s) of water:

☐ Municipal	☐ Water Distribution System	☐ Recreational	☐ Institutional
☒ Rural Water System	☐ Commercial	☐ Fish & Wildlife	☐ Geothermal
☐ Domestic (over 18 gpm)	☐ Industrial	☐ Other _____	

Type of Application: (check one)

☐ New	☐ Vested Right (Use predates Mar 2, 1955)	☐ Future Use Reservation
☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____		
☒ Amendment/Correction to Permit No. <u>7852-3</u>		

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

Extend construction period and clarify diversion point locations1. Name to Appear on Water Permit Sioux Rural Water System, Inc.

Mailing Address 45703 176th Street Watertown SD 57201
(Address) (City) (State) (Zip Code)

Phone (605) 882-1321 Mobile _____ Email manager@siouxruralwater.com

2. Amount of water claimed 1.33 *CFS or 600 **GPM and 600 ***AF or _____ Gallons
Flow rate and volume are both required. (*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use)

3. Source of water supply Groundwater - Big Sioux Aquifer

4. Location of point of diversion 2 wells in SE1/4 of SW1/4, Sec. 34, T115N, R52W County Hamlin
(example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)

If not a public water supply (e.g. municipal), will water be used outside of the area described above? ☐ Yes ☐ No

If "Yes," where will water be used? _____

(example - NW1/4 section 12-T104N-R53W)

5. County or counties where water will be used Hamlin, Codington, Deuel, Clark6. Annual period during which water is to be used Jan. 1 - Dec. 31

7. Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

See attached description.

I, Heath Thompson Manager, Sioux Rural Water, 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 2 Have test holes been drilled ☒ Yes ☐ No Drilled by Thein Well Company
(if yes, please provide copies of logs)

b) If existing wells, how many 6 Provide copy of log(s), if available. Drilled by Lacey - for logs, see existing permits

For either Existing or Proposed Wells:

c) Well Depth (required) 40-50' Depth to Top of Water Bearing Material 5' Depth to Water from Surface 5'

d) Distance to nearest domestic well on applicant's property NA Property owned by others over 3000'

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)

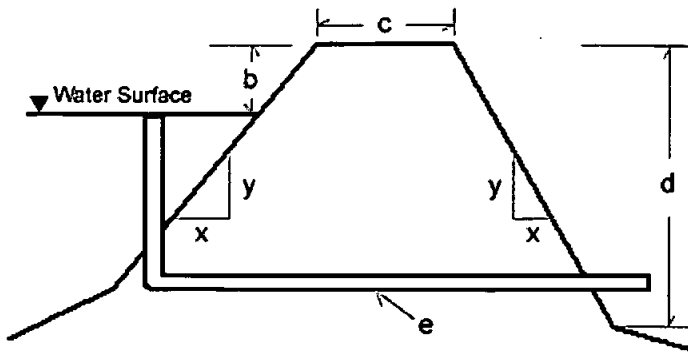
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



July 10, 2018

The water right permit priority date for 7852-3 is August 26, 2013. The permit states that all construction is to be completed on or before August 26, 2018. Sioux Rural Water System requests a time extension to August 26, 2019 for completion of well construction. Abnormally frequent and heavy snowfall and rainfall through the spring and summer of 2018 have caused the ground in the well field to be saturated and at times covered by standing water. Sioux Rural Water System has a construction contract with a well driller, but the driller has been unable to access the well locations and begin construction work due to wet conditions.

This application also serves to clarify that both proposed wells will be located in the SE1/4 of the SW1/4 of Section 34, T115N R52W. See the attached map for details.



Well Log for **Sioux Rural Water** **TH-23**

Date: 1/29/2018

Well Size: 10'
Casing Length:
Screen Length:
Total Well Depth: 44'
SWL: 8'

Geological Material	Color	Hardness or Formation	From	To
Top Soils/Solids	BL	Hard/Med	0	4
Sandy clay/sand/ sand fine /med course mix	GRY	Med	4	6
Sandy clay/sand/ sand fine /med course mix	GRY/BR	Med/Hard	6	8
Sand Fine Med	BR	Med/Hard	8	10
Sand Peble Mix	BR/GRY	Med/Hard	10	12
Clean Sand small gravel Mix	GRY	Med	12	14
Sand Med Gravel Mix	GRY	Med/Hard	14	16
Sand small gravel mix to fine sand	GRY	Med	16	18
Fine sand to course sand	GRY	Med	18	20
Med course sand large	GRY	Med	20	22
Fine fine sand gravel lense	GRY	Med	22	24
Some sand/gravel	GRY/BR	Med	24	26
Gravel embedded in mixed sand	BR	Med	26	28
Med sand	BR	Med	28	30
Med sand with one large rock	BR	Med	30	32
Med sand /dirty sand gravel	BR	Med	32	34
Med course sand/gravel embedded in sand	Dirty BR	Med/Hard	34	36
Mixed sand with some large gravel	BR	Med/Hard	36	38
Clean small gravel /dirty large gravel	BR	Hard	38	40
Sand mixed	BR	Very Hard	40	42
Sand to gravel /large rocks	BR	Hard	42	44
Sand/small gravel/clay	BR	Hard	44	46

SW $\frac{1}{4}$ OF SECTION
34, T115N R52W

SE $\frac{1}{4}$ OF SECTION
34, T115N R52W

LEGEND

- EXISTING PIPELINE
- EXISTING WELL
- ⊗ PROPOSED WELL

NW $\frac{1}{4}$ OF SECTION
03, T114N R52W

NE $\frac{1}{4}$ OF SECTION
03, T114N R52W

T-1
(R7-1335)

T-2
(TH-23)

S-3

S-4

S-1

S-2

CASTLEWOOD WTP

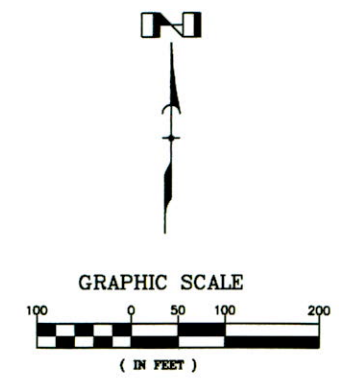
C-2

C-1

10"

6"

1.0 AC. OWNED BY
SIOUX RWS



2015 WATER SYSTEM IMPROVEMENTS
WELL FIELD EXPLORATION AND WELL CONSTRUCTION
SIOUX RURAL WATER SYSTEM
WATERTOWN, SOUTH DAKOTA

CASTLEWOOD WELL FIELD

REVISIONS

Project Manager: DLS
Designer: PCB
Project Number: 802807
Phone: (712) 472-2531



**TEST HOLE NO.: R7-1335**

OWNER: Sioux Rural Water System
LOCATION: Castlewood, SD
DRILLING CO: Thein Well Company
DRILLING METHOD: Geoprobe
SAMPLING METHOD: Direct Push

DATE COMPLETED: November 8, 2017
TOTAL DEPTH OF HOLE: 50 fbg
GEOLOGISTS: Mitch Kannenberg/Miranda Stefanich
GROUND SURFACE ELEV.: 1,688 feet

APPROX. ELEVATION (feet AMSL)	DEPTH (in feet)	GRAPHIC	DESCRIPTION	FROM	TO	REC (feet)	DEPTH (in feet)
	0		TOPSOIL: dark brown; organics and roots.	0	2		0
1685			CLAY: dark brown; trace sand.	2	4.5	2.5	
	-5		SAND: dark gray (10YR 4/1), coarse; some clay; trace cobbles; little gravel. @ 5 fbg, gray (10YR 5/1), medium to coarse, subrounded; little gravel. @ 6½ fbg, fine to medium sand lens. @ 7 fbg, gray (10YR 5/1), coarse to very coarse; little gravel; little fine to medium sand.	4.5 5	5 7		-5
1680				7	10	4.0	
	-10		@ 12 to 13 fbg, 1-foot layer of gravel; trace cobbles. @ 13 fbg, very dark grayish-brown (10YR 3/2), medium; little fine sand; trace gravel.	10	13		-10
1675				13	15	3.5	
	-15		@ 15 fbg, very dark gray (10YR 3/1) coarse, subrounded to subangular; little gravel; trace cobbles.	15	20		-15
1670						3.0	
	-20		@ 19½ fbg, 4-inch fine to medium sand lens. @ 20 fbg, dark gray (10YR 4/1), fine to medium, subrounded to subangular.	20	23		-20
1665			GRAVEL: grayish-brown (10YR 5/2); some medium to very coarse sand; trace silt; trace cobbles.	23	25	4.0	
	-25		@ 25 fbg, increasing silt.	25	30		-25
1660			@ 27½ fbg, 4-inch coarse sand lens. @ 28 fbg, 6-inch clay lens; trace silt.			3.0	
	-30		@ 30 fbg, 1-foot fine to coarse sand lens.	30	35		-30
1655						2.0	
	-35		@ 34 fbg, cobbles. @ 35 fbg, brown (10YR 4/3).	35	40		-35
1650						3.0	
	-40		SAND: grayish-brown (10YR 5/2), coarse, subrounded to subangular; trace gravel, subangular to angular; trace cobbles.	40	41.5		-40
1645			GRAVEL: grayish-brown (10YR 5/3);some fine to very coarse sand; little cobbles.	41.5	45	3.0	
	-45		@ 44½ fbg, trace clay; increasing cobbles. @ 47 fbg, gravel, little clay and silt.	45	47.5		-45
1640			CLAY: dark brown/brown mottled; trace gravel; dense; till.	47.5	50	4.5	
	-50		END OF BORING				-50

NOTES: fbg - feet below grade AMSL - above mean sea level

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date July 17, 20 18

Sioux Rural Water System, Inc. 45703 176th St Watertown, SD 57201-7188

RECEIVED OF _____

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

Fee for Application for Permit No. <u>7852A-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. _____		
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	100 00

No. 08722

By Jeanne Goodman
Chief Engineer Jm



**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. 7852A-3, Sioux Rural Water System**

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. 7852A-3, Sioux Rural Water System, c/o Heath Thompson, 45703 176th Street, Watertown SD 57201.

The Chief Engineer is recommending APPROVAL of Application No. 7852A-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. The wells approved under Water Right No. 5098-3, Water Permit Nos. 5960-3, 7852-3 and 7852A-3 will be located near domestic wells and other wells which may obtain water from the same aquifer. The well owner under this Permit shall control his withdrawals so there is not a reduction of needed water supplies in adequate domestic wells or in adequate wells having prior water rights.
2. The two wells authorized by Permit Nos. 7852-3 and 7852A-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. Water Right No. 5098-3, Water Permit Nos. 5960-3, 7852-3 and 7852A-3, combined, authorize a total diversion of 2,100 acre feet of water annually from the Big Sioux:Brookings aquifer
4. Sioux Rural Water System shall report to the Chief Engineer annually the amount of water withdrawn from the Big Sioux:Brookings aquifer.

See report on application for additional information.

Jeanne Goodman, Chief Engineer
August 28, 2018

REPORT ON PERMIT APPLICATION NO. 7852A-3

Sioux Rural Water System, Inc.

August 20, 2018

This application is requesting an extension of time for construction of Water Permit No. 7852-3. The application states abnormally frequent and heavy snowfall and rainfall through the spring and summer of 2018 has caused the ground in the well field to become saturated and at times covered in standing water. Due to these wet conditions in the area, the driller is unable to access the well location and subsequently cannot begin construction work.

Water Permit No. 7852-3 appropriates 210 acre-feet (ac-ft) annually, places 390 ac-ft of water per year reserved by Future Use Permit No. 5094-3 to beneficial use, increases diversion rate authority of 1.33 cubic feet per second (cfs) and requests two additional wells to Water Right No. 5098-3 and Water Permit No. 5960-3. This application also clarifies the location of two wells located in the SE ¼ SW ¼ Section 34 T115N R52W. The water source is the Brookings management unit of the Big Sioux aquifer. The Sioux Rural Water System serves users in Hamlin, Codington, Deuel and Clark Counties. This site is in Hamlin County located a half mile west of Castlewood, SD.

Water Permit No. 7852-3 has a priority date of June 1, 1986, and a construction completion date of August 26, 2018. Water is to be put to beneficial use by August 26, 2022. Water Permit 7852A-3, if approved, will extend the date to complete construction to August 26, 2019, and Water Permit No. 7852-3 will retain the June 1, 1986 (390 ac-ft) and June 5, 2013, (210 ac-ft) priority dates assigned.

Discussion

Pursuant to South Dakota Codified Law (SDCL) 46-5-26 a permit may be amended to extend the construction period, "but only on account of delays due to physical or engineering difficulties which could not have been reasonably anticipated, due to operation of law beyond the power of the applicant to avoid, or due to other exigent circumstances identified by the Water Management Board." The application cites delays due to unanticipated weather that was beyond the power of the applicant to reasonably anticipate.

In reviewing the application, SDCL 46-2A-12 and 46-5-30.4 provide guidance regarding the extent of review. SDCL 46-2A-12 provides for amendment of a permit or license "only if the change does not unlawfully impair existing rights and is for beneficial use and in the public interest. SDCL 46-5-30.4 provides that an amendment may not increase the rate of diversion or increase the volume of water to be appropriated under the original water permit and the amendment may not impair existing rights.

Existing Water Rights

There are 9 water rights/permits currently authorized to withdraw water from the Big Sioux: Brookings aquifer (BS: B) within approximately a two mile radius of the proposed application as shown in Figure 1 and summarized in Table 1. The nearest water permit is about 0.3 miles to the southwest of the proposed application (Water Rights, 2018a). There are a number of domestic wells on file with SD DENR-Water Rights Program within approximately 2 miles of Application No. 7852A-3 (Water Rights, 2018c). The nearest well is approximately 0.14 miles to the southwest.

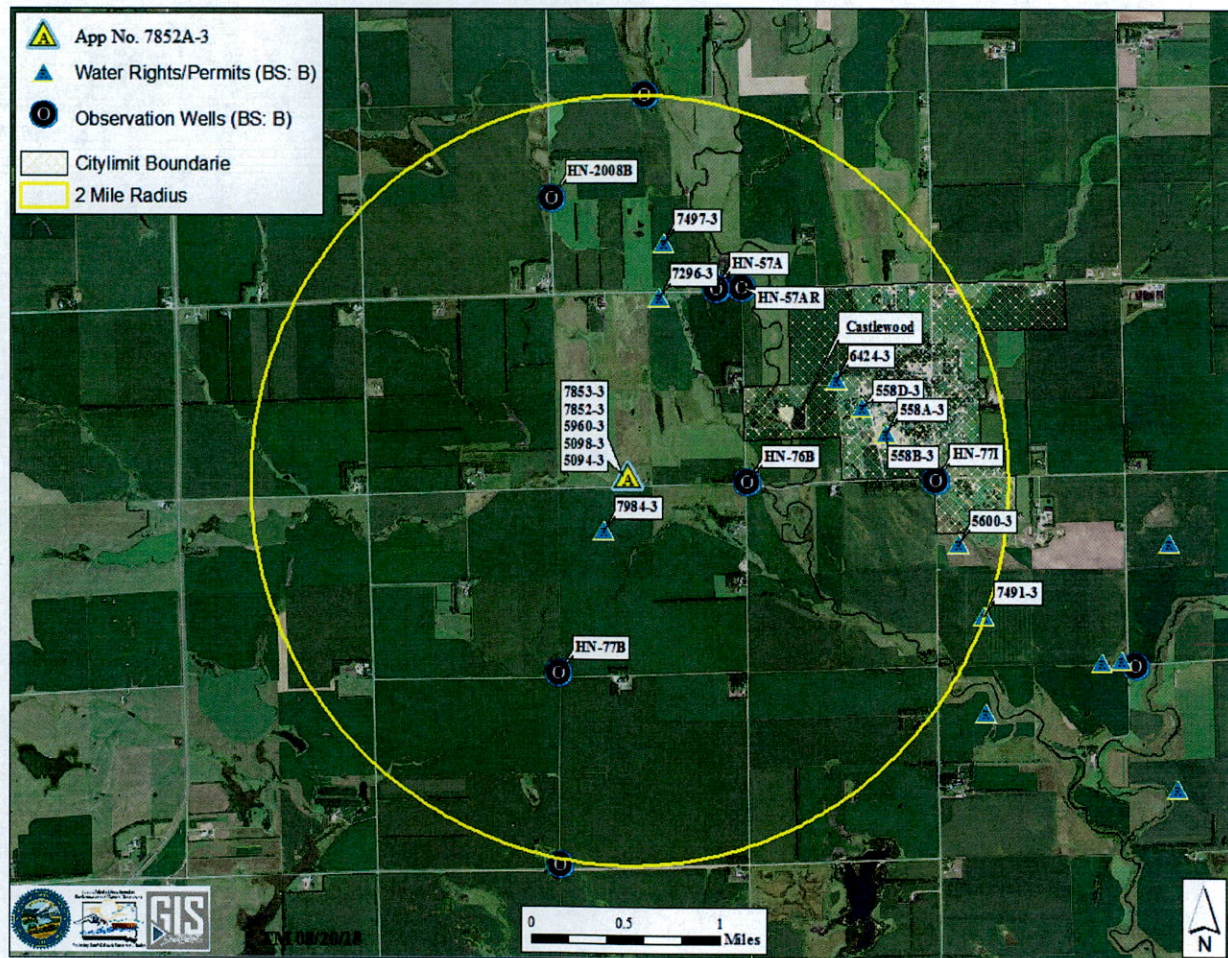


Figure 1: Proposed diversion points for Water Permit Application No. 7852A-3, water rights/permits, and observation wells completed into the Big Sioux: Brookings aquifer within approximately a two mile radius. (Water Rights, 2018b; Water Rights, 2018a)

Permit No.	Name	Status	Use	Rate (cfs)	acre-feet	Acres
558A-3	City Of Castlewood	FU	MUN	2.11	123	
558B-3	City Of Castlewood	LC	MUN	0.56		
558D-3	City Of Castlewood	LC	MUN	0.33		
5094-3	Sioux Rural Water System	FU	RWS		990	
5098-3	Sioux Rural Water System	LC	RWS	2		
5600-3	Castlewood Golf Course	LC	IRR	0.88		78
5960-3	Sioux Rural Water System	PE	RWS	1.33	600	
6424-3	Claremont Htrn Brethren	LC	IRR	0.91		64
7296-3	Ed Aderhold	LC	IRR	1.33		110
7491-3	Claremont Htrn Brth	LC	IRR	1.56		136
7497-3	Larry Aderhold	LC	IRR	1.67		117
7852-3	Sioux Rural Water System	PE	RWS	1.33	600	
7853-3	Sioux Rural Water System	FU	RWS		2400	
7984-3	Owen & Lamont Peterson	PE	IRR	1.78		147.02
LC = water right, PE = water permit, FU = future use, MUN = municipal, IRR = irrigation, RWS = rural water system						

Table 1: Water rights/permits appropriating water from the Big Sioux: Brookings aquifer in approximately a two mile radius of Application No. 7852A-3 (Water Rights, 2018a).

Observation Well Data

The Big Sioux: Brookings aquifer is primarily under water table conditions in the area of this application (Koch, 1980). The water table conditions and the proximity to the Big Sioux River dictate that drawdown is not expected to be significant far from the proposed well site. The DENR-Water Rights Program monitors six observation wells within a two mile radius completed into the Big Sioux: Brookings aquifer (Water Rights, 2018b). These observation wells provide data on how the aquifer reacts to regional climatic conditions and local pumping.

The hydrographs for these wells are shown in Figure 2. The hydrographs show that the aquifer responds well to hydrologic conditions, recharging during wetter periods and declining during drier periods. The water levels in the observation wells show that the recharge rate exceeds pumping rates. Based on the hydrographs and water table conditions it is not anticipated that granting an extension of time to develop these wells will result in impairment of existing water rights/permits.

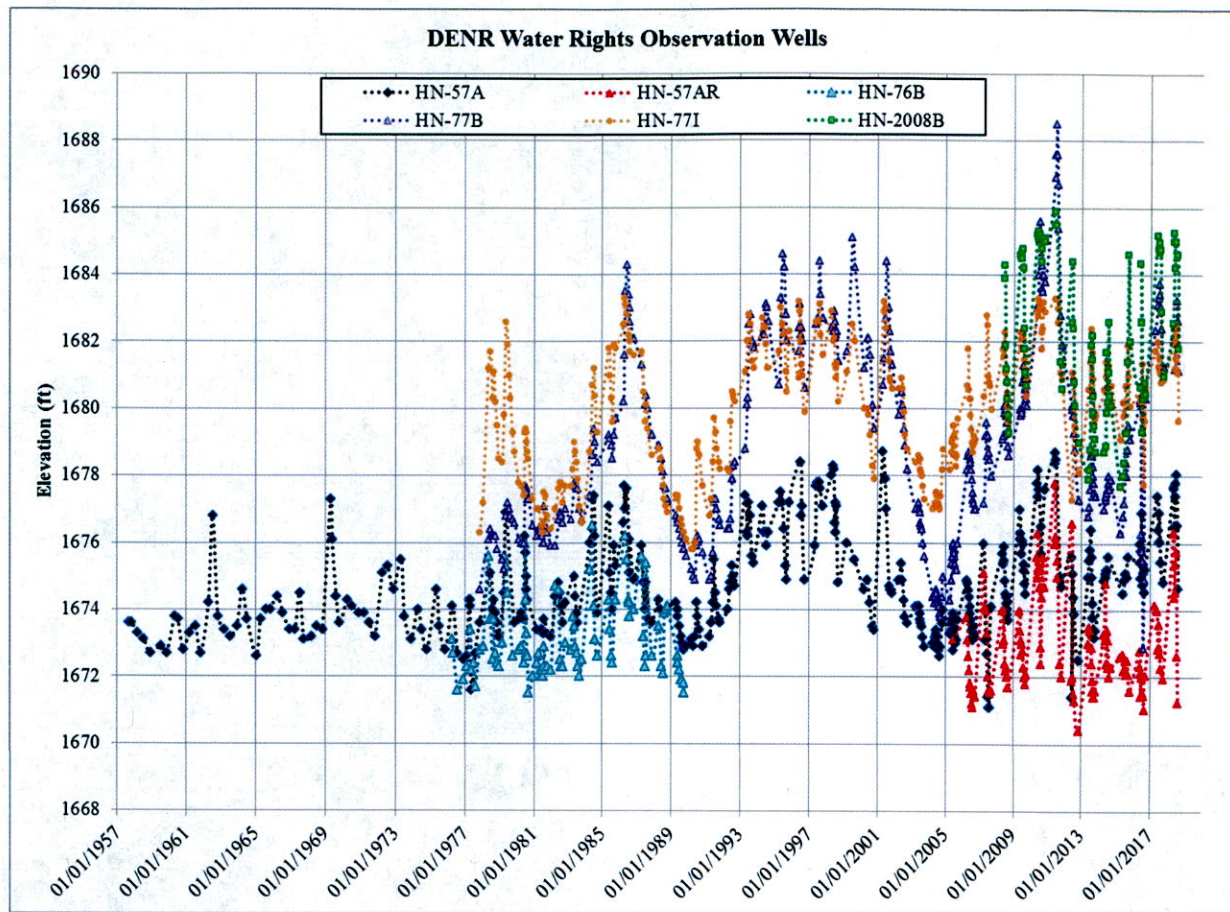
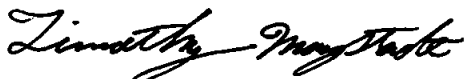


Figure 2: Hydrographs for Observation Wells HN-57A, HN-57AR, HN-76B, HN-77B, HN-77I, and HN-2008B. (Water Rights, 2018b)

Conclusions

1. Water Permit Application No. 7852A-3 proposes to extend the construction period for Water Permit No. 7852-3 from August 26, 2018, to August 26, 2019.
2. Water Permit No. 7852-3 appropriates 210 ac-ft annually, places 390 ac-ft of water per year reserved by Future Use Permit No. 5094-3 to beneficial use, increases diversion rate authority of 1.33 cfs and requests two additional wells to Water Right No. 5098-3 and Water Permit No. 5960-3.
3. This application clarifies the location of two wells located in the SE ¼ SW ¼ Section 34 T115N R52W.
4. If approved, Water Permit No. 7852A-3 will retain its June 1, 1986, (390 ac-ft) and June 5, 2013, (210 ac-ft) priority dates assigned to Permit No. 7852-3.
5. The applicant states the basis for requesting the extension of time is due to abnormally frequent and heavy snowfall and rainfall through the spring and summer of 2018 that has caused the ground in the well field to be saturated and at times covered in standing water. Due to these wet conditions in the area, the driller is unable to access the well location and subsequently cannot begin construction work.
6. There is a reasonable probability that this application will not impair existing water rights/permits with adequate wells



Timothy Magstadt

SD DENR – Water Rights Program

References

- Koch, Neil C. Appraisal of the Water Resources of the Big Sioux Aquifer, Brookings, Deuel, and Hamlin Counties, South Dakota . U.S. Geological Survey, U.S. Dept. of the Interior, 1980.
- Water Rights. 2018a. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2018b. "Observation Well Database." SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2018c. Well, Completion Report Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.

Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, August 28, 2018 11:57 AM
To: Heath Thompson (manager@siouxruralwater.com)
Cc: 'peter.baudhuin@dgr.com'
Subject: Water Permit Application No. 7852A-3
Attachments: 7852A-3.pdf

Attached is the cover letter, public notice, report and recommendation for Water Permit Application No. 7852A-3. With the Labor Day holiday coming up, it is important to contact the papers to authorize publication and arrange for payment ASAP. Paper copies being mailed today.

Karen Schlaak

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





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 NEWSPAPERS RIGHT AWAY.**

August 28, 2018

Sioux Rural Water System Inc
c/o Heath Thompson
45703 176th St
Watertown SD 57201

Dear Mr. Thompson:

Water Permit Application No. 7852A-3 for rural water system use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the following papers:

Hamlin County Republican, Castlewood 605 793-2293
Public Opinion, Watertown 605 886-6901
Clark County Courier, Clark 605 532-3654
Clear Lake Courier, Clear Lake 605 874-2499

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 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: Tuesday, August 28, 2018 11:47 AM
To: Clear Lake Courier (clprint1@itctel.com)
Subject: 7852A-3, Sioux Rural Water System
Attachments: 7852A-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on September 5, 2018.

Sioux Rural Water System Inc, c/o Heath Thompson, 45703 176th St, Watertown SD 57201 (605 882-1321) 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



Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, August 28, 2018 11:47 AM
To: courier@itctel.com
Subject: 7852A-3, Sioux Rural Water System
Attachments: 7852A-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on September 5, 2018.

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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



Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, August 28, 2018 11:46 AM
To: Hamlin County Publishing (hcp@itctel.com)
Subject: 7852A-3, Sioux Rural Water System
Attachments: 7852A-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on September 5, 2018 in the Hamlin County Republican.

Sioux Rural Water System Inc, c/o Heath Thompson, 45703 176th St, Watertown SD 57201 (605 882-1321) 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



Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, August 28, 2018 11:45 AM
To: legals@thepublicopinion.com
Subject: 7852A-3, Sioux Rural Water System
Attachments: 7852A-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on September 5, 2018.

Sioux Rural Water System Inc, c/o Heath Thompson, 45703 176th St, Watertown SD 57201 (605 882-1321) 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. 7852A-3 to Amend Water Permit No. 7852-3

Notice is given that Sioux Rural Water System, Inc., c/o Heath Thompson, 45703 176th St, Watertown SD 57201 has filed an application for a water permit to amend Water Permit No. 7852-3 to extend the length of time allowed to complete construction of works. Water Permit No. 7852-3 appropriates 600 acre-feet of water, increases the diversion rate authority an additional 1.33 cubic feet of water per second and authorizes two additional wells to be completed into the Big Sioux-Brookings Aquifer (35-45 feet deep). This application serves to clarify the two wells will be located in the SE 1/4 SW 1/4 Section 34-T115N-R52W. The rural water system serves users in Hamlin, Codrington, Deuel and Clark Counties. This site is located 1/2 mile west of Castlewood SD.

Water Permit No. 7852-3 was approved August 26, 2013, and the proposed project was to be completed by August 26, 2018, with water being put to beneficial use by August 26, 2022. Application No. 7852A-3 requests to extend the length of time allowed to complete construction of the project from August 26, 2018, to August 26, 2019. Application No. 7852A-3, if approved, will retain the June 1, 1986 (390 acre-feet) and June 5, 2013 (210 acre-feet) priority dates assigned to Permit No. 7852-3.

Pursuant to SDCL 46-5-26 a permit may be amended to extend the time for completion of construction due to delays caused by engineering difficulties, delays caused by operation of law or delays caused by other exigent circumstances as identified by the Water Management Board. This application is requesting an extension of time because with the wet conditions in the area, the driller has been unable to access the well location site until recently which postponed completion of construction.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7852A-3 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 September 17, 2018.

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 _____.

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SEP 19 2018

WATER RIGHTS
PROGRAM

Form 8

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 CastnewoodCounty of Hamlin and

state of South Dakota. The notice was published

in the newspaper on the following date:

Sept. 5, 2018Cost of Printing \$38.42LeeAnne Dufek
(Signature)Owner
(Title)9-19-2018
(Date Signed)NOTICE OF APPLICATION
NO. 7852A-3 TO AMEND WATER
PERMIT NO. 7852-3

Notice is given that Sioux Rural Water System, Inc., c/o Heath Thompson, 45703 176th St, Watertown SD 57201 has filed an application for a water permit to amend Water Permit No. 7852-3 to extend the length of time allowed to complete construction of works. Water Permit No. 7852-3 appropriates 600 acre-feet of water, increases the diversion rate authority an additional 1.33 cubic feet of water per second and authorizes two additional wells to be completed into the Big Sioux-Brookings Aquifer (35-45 feet deep). This application serves to clarify the two wells will be located in the SE 1/4 SW 1/4 Section 34-T115N-R52W. The rural water system serves users in Hamlin, Codington, Deuel and Clark Counties. This site is located 1/2 mile west of Castlewood SD.

Water Permit No. 7852-3 was approved August 26, 2013, and the proposed project was to be completed by August 26, 2018, with water being put to beneficial use by August 26, 2022. Application No. 7852A-3 requests to extend the length of time allowed to complete construction of the project from August 26, 2018, to August 26, 2019. Application No. 7852A-3, if approved, will retain the June 1, 1986 (390 acre-feet) and June 5, 2013 (210 acre-feet) priority dates assigned to Permit No. 7852-3.

Pursuant to SDCL 46-5-26 a permit may be amended to extend the time for completion of construction due to delays caused by engineering difficulties, delays caused by operation of law or delays caused by other exigent circumstances as identified by the Water Management Board. This application is requesting an extension of time because with the wet conditions in the area, the driller has been unable to access the well location site until recently which postponed completion of construction.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7852A-3

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 September 17, 2018.

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 Sept. 5, 2018, at total cost of \$38.42.

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SEP 18 2018

WATER RIGHTS
PROGRAM

Watertown Public Opinion AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA

COUNTY OF CODINGTON } :

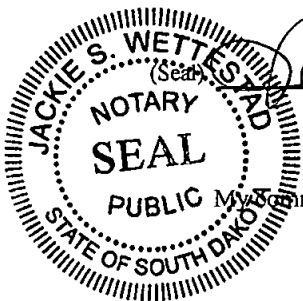
Kevin Shaw being duly sworn says: That Watertown Public Opinion is, and during all the times hereafter mentioned was, a daily legal newspaper as defined in SDCL 17-2-2.1 through 17-2-2.4, as amended, published at Watertown, Codington County, South Dakota, by Watertown Public Opinion; that affiant is 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 attached, was published in said newspaper upon:

Wednesday the 5th day of September 2018,

that the full amount of the fee charged for publishing the same, including a \$5.00 affidavit fee, to-wit, the sum of \$74.68 insures solely to the benefit of the publisher of said newspaper; that no agreement or understanding for the division of the fee has been made with any person, and that no part of the fee has been agreed to be paid to any other person.

Kevin Shaw

Subscribed and sworn to before me this 5th day of September A.D. 2018.



Notary Public, South Dakota

My Commission expires October 20, 2022.

SD DENR

NOTICE OF APPLICATION NO. 7852A-3 to Amend Water Permit No. 7852-3

Notice is given that Sioux Rural Water System, Inc., c/o Heath Thompson, 45703 176th St, Watertown SD 57201 has filed an application for a water permit to amend Water Permit No. 7852-3 to extend the length of time allowed to complete construction of works. Water Permit No. 7852-3 appropriates 600 acre-feet of water, increases the diversion rate authority an additional 1.33 cubic feet of water per second and authorizes two additional wells to be completed into the Big Sioux-Brookings Aquifer (35-45 feet deep). This application serves to clarify the two wells will be located in the SE 1/4 SW 1/4 Section 34-T115N-R52W. The rural water system serves users in Hamlin, Codington, Deuel and Clark Counties. This site is located 1/2 mile west of Castlewood SD. Water Permit No. 7852-3 was approved August 26, 2013, and the proposed project was to be completed by August 26, 2018, with water being put to beneficial use by August 26, 2022. Application No. 7852A-3 requests to extend the length of time allowed to complete construction of the project from August 26, 2018, to August 26, 2019. Application No. 7852A-3, if approved, will retain the June 1, 1986 (390 acre-feet) and June 5, 2013 (210 acre-feet) priority dates assigned to Permit No. 7852-3. Pursuant to SDCL 46-5-26 a permit may be amended to extend the time for completion of construction due to delays caused by engineering difficulties, delays caused by operation of law or delays caused by other exigent circumstances as identified by the Water Management Board. This application is requesting an extension of time because with the wet conditions in the area, the driller has been unable to access the well location site until recently which postponed completion of construction. Pursuant to SDCL 46-2A-2, the Chief Engineer recommends

APPROVAL of Application No. 7852A-3 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 September 17, 2018. 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. Pimer, Secretary, Department of Environment and Natural Resources, Published once at the total approximate cost of \$69.68. (September 5, 2018)

**NOTICE OF APPLICATION NO. 7852A-3
to Amend Water Permit No. 7852-3**

Notice is given that Sioux Rural Water System, Inc., c/o Heath Thompson, 45703 176th St, Watertown SD 57201 has filed an application for a water permit to amend Water Permit No. 7852-3 to extend the length of time allowed to complete construction of works. Water Permit No. 7852-3 appropriates 600 acre-feet of water, increases the diversion rate authority an additional 1.33 cubic feet of water per second and authorizes two additional wells to be completed into the Big Sioux-Brookings Aquifer (35-45 feet deep). This application serves to clarify the two wells will be located in the SE 1/4 SW 1/4 Section 34-T115N-R52W. The rural water system serves users in Hamlin, Codington, Deuel and Clark Counties. This site is located 1/2 mile west of Castlewood SD.

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Pursuant to SDCL 46-5-26 a permit may be amended to extend the time for completion of construction due to delays caused by engineering difficulties, delays caused by operation of law or delays caused by other exigent circumstances as identified by the Water Management Board. This application is requesting an extension of time because with the wet conditions in the area, the driller has been unable to access the well location site until recently which postponed completion of construction.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 7852A-3 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 September 17, 2018.

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

Published once at the
total approximate cost of \$41.06.
9-5-1t

Affidavit of Publication

State of South Dakota

§

County of Clark

William J. Krikac of said county, being first duly sworn, on oath says that he is the publisher of the **Clark County Courier**, a weekly newspaper printed and published in Clark in said County of Clark and has a full and personal knowledge of all the facts therein stated; that said newspaper is a legal newspaper and has a bona-fide circulation of at least two hundred copies weekly, and has been published within said County for fifty-two successive 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

Sioux Rural Water System, Inc

a printed copy of which taken from the paper in which 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

One

successive week(s), on the day of each week on which said newspaper was regularly published, to wit:

September 5, 2018

that the full amount of the fees for the publication of the annexed notice is

\$41.06

William J. Krikac

Subscribed and sworn to before me this

5th day of September, 2018

Ann Helke

Notary Public
Clark County, South Dakota

My Commission expires: 06/04/2019

RECEIVED

SEP 06 2018

**WATER RIGHTS
PROGRAM**

AFFIDAVIT OF PUBLICATION

STATE OF SOUTH DAKOTA
COUNTY OF DEUEL

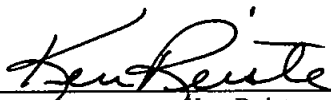
Ken Reiste being first duly sworn, on oath says: That he is publisher of the Clear Lake Courier, a weekly newspaper published in the City of Clear Lake, Deuel County, South Dakota; that he has full and personal knowledge of all facts herein stated; that said newspaper is a legal newspaper as defined in SDCL 17-2-2.1 through 17-2-2.4 inclusive; that said newspaper has been published within the said County of Deuel and State of South Dakota, for at least one year next prior to the first publication of the attached public notice, and that

Notice Of Application
No.7852A-3 to Amend Water Permit
No.7852-3

a printed copy of which, taken from the paper in which the same was published, and which is hereto attached and made a part of this affidavit, was published in said newspaper for one successive week(s) to wit:

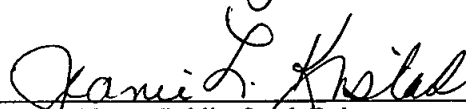
September 5,2018

That the full amount of the fee charged for publication of the attached public notice insures to the sole benefit of the publisher; 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: \$40.90


Ken Reiste

Subscribed and sworn to before me

this 5th day of September
2018


Notary Public, South Dakota
My commission expires 12/20/2023

JEANIE L. KJENSTAD

SEAL NOTARY PUBLIC SEAL
SOUTH DAKOTA

Public notice

NOTICE OF APPLICATION
NO. 7852A-3 to Amend
Water Permit No. 7852-3

Notice is given that Sioux Rural Water System, Inc., c/o Heath Thompson, 45703 176th St, Watertown SD 57201 has filed an application for a water permit to amend Water Permit No. 7852-3 to extend the length of time allowed to complete construction of works. Water Permit No. 7852-3 appropriates 600 acre-feet of water, increases the diversion rate authority an additional 1.33 cubic feet of water per second and authorizes two additional wells to be completed into the Big Sioux-Brookings Aquifer (35-45 feet deep). This application serves to clarify the two wells will be located in the SE 1/4 SW 1/4 Section 34-T115N-R52W. The rural water system serves users in Hamlin, Codington, Deuel and Clark Counties. This site is located 1/2 mile west of Castlewood SD.

Water Permit No. 7852-3 was approved August 26, 2013, and the proposed project was to be completed by August 26, 2018, with water being put to beneficial use by August 26, 2022. Application No. 7852A-3 requests to extend the length of time allowed to complete construction of the project from August 26, 2018, to August 26, 2019. Application No. 7852A-3, if approved, will retain the June 1, 1986 (390 acre-feet) and June 5, 2013 (210 acre-feet) priority dates assigned to Permit No. 7852-3.

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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

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SEP 06 2018

WATER RIGHTS
PROGRAM

filed by either an interested person or the applicant must be filed by September 17, 2018.

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Steven M. Pirner, Secretary,
Department of Environment
and Natural Resources
Published once at the total approximate cost of \$40.90. (29-1/121)



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

SEP 25 2018

Sioux Rural Water System Inc
c/o Heath Thompson, Manager
45703 176th St
Watertown SD 57201

Dear Mr. Thompson:

Enclosed is Water Permit No. 7852A-3 to extend the length of time allowed to construct 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,

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

enclosures

7852A3

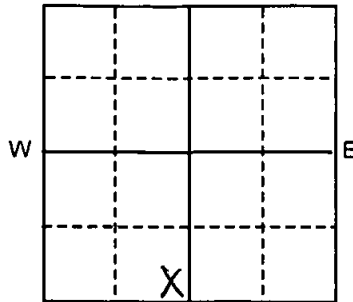
SD EForm - 1621LD V1

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location SE ¼ SW ¼ Sec 34 Twp 115 Rg 52County HAMLIN

North

Please mark well
location with an "X"

Well Completion Date

November 28, 2018

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
2,800.0 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	12.00 IN	0.0 FT	28.0 FT	17.75 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
BENTONITE	6	Lb/gal	0.0 Ft	20.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

TRIMIE PIPED

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 12.00 Inches Length 15.0 FeetMaterial STAINLESS STEELSlot Size .050 Set From 28.0 Feet to 43.0 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? CHLORINATED☐ No, Why Not?Lab to which water
quality sample sent for analysisWell Owner: SIOUX RURAL WATER SYSTEMS

Business Name:

Address: 45703 176TH STREETCity, State, Zip: WATERTOWN SD 57201

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
TOP SOIL	0	14
GRAVEL, SOME CLAY	14	27
SAND - MED	27	32
GRAVEL- ROCKS / A FEW THIN	32	
CLAY LAYERS		34
GRAVEL COARSE	38	44
CLAY- BROWN, SANDY	44	51

STATIC WATER LEVEL

6.0 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

16.0 Ft. After 8.0 Hrs. pumped 300.0 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

GPS N 44 43.116 W 97 03.453

NEW S2 12" WELL

This well was drilled under license # 475 and this report is true and accurate.Drilling firm: THEIN WELL COMPANY, INC

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder

RECEIVED

JAN 16 2019

Date:

WATER RIGHTS
PROGRAM

Untitled

Legend

Alterna

R4 825

TH 19 MW

R5 870

TH 20

R6 970 MW

TH 21 MW

R7 1335

R7 1280 MW

Sioux Rural Water NEW S2 12" well 43'

Th 23

184th-St

TH 22

R8 125

R 8 1450

458th-Ave

Google Earth

© 2018 Google



2000 ft

7852A-3

RECEIVED

DEC 21 2020

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

MAIL TO: PMB 2020
DENR - Water Rights Program
523 E Capitol Ave
Pierre, SD 57501-3182
ph. (605) 773-3352

Date 12-15-20FROM: Sioux Rural Water System
(name)45703 176th ST
(address)Watertown SD 57201 605-882-1321
(city) (state) (zip) (phone)

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

Water Permit No. 7852A-3 states that the water use system is to be constructed by

8-26-2019, and water is to be put to beneficial use by 8-26-2022
(date) (date)

The water use system was completed on 2-7-2019
(date)

Applying the water to beneficial use was completed on 3-24-2020
(date)

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

