

WATER PERMIT NO. 8453-3

Name of Applicant: City of Redfield

Address: 626 Main St, Redfield SD 57469 Phone: 605 460-1326

Amount of Water Claimed: 0.09 cfs Total Acres: 14.92

Source of Water Supply: groundwater (1 well)

Water to be used for: irrigation County: Spink

Type of Waste Disposal System:

Location: west edge of Redfield

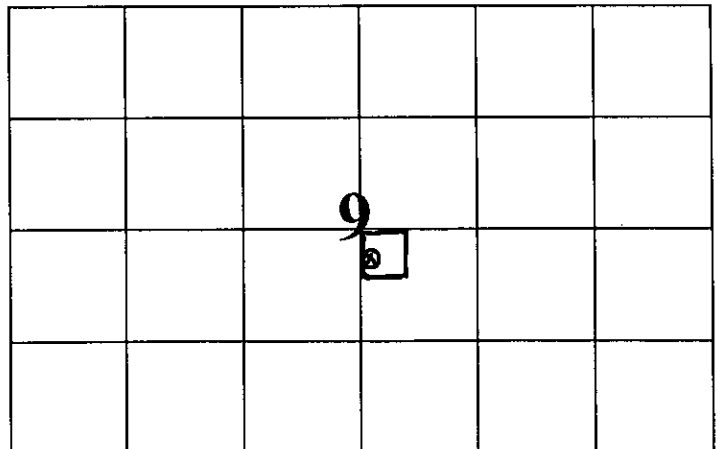
PRIORITY Date Received: 9-24-20 Application/License Fee: \$ 300

Corrected Application Received: 10-8-20 Period of Annual Use: May 1 – Sept 30

Remarks: Requesting diversion rate greater than statutory limit

Diversion Point: NW 1/4 SE 1/4 Sec 9-T116N-
R64W

Land to be Irrigated: NW 1/4 SE 1/4 Sec 9-
T116N-R64W



Depth of Well: 57 feet deep

Well Driller:

Remarks:

Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 10-8-20

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

**SOUTH DAKOTA
WATER PERMIT NO. 8453-3**

Date of first receipt of application September 24, 2020.

Date of return to applicant for corrections, amendments or changes September 24, 2020.

Date of receipt of corrected application October 8, 2020.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8453-3 to City of Redfield, Adam L Hansen, 626 Main St, Redfield SD 57469 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. 8453-3 appropriates 0.09 cubic feet of water per second from one well completed into the Quaternary Alluvium Aquifer (57 feet deep) located in the NW 1/4 SE 1/4 Section 9 for irrigation of 14.92 acres of the youth football/soccer field located in the NW 1/4 SE 1/4 Section 9; all in T116N-R64W. This site is located on the west side of Redfield 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 September 24, 2020.
4. The date of approval of Permit No. 8453-3 is December 28, 2020.
5. One-fifth of the construction is to be completed on or before June 28, 2023.
6. All construction is to be completed on or before December 28, 2025.
7. Water is to be put to beneficial use on or before December 28, 2029.
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. 8453-3 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. 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 Environment and Natural Resources

MAR 08 2021
date



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

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8453-3</u> (office use only) Hydrologic Unit <u>10160009</u>
	Basin <u>James River</u>
	Newspaper <u>Redfield Press</u>
	<u>Plainsman</u>

PAID
SEP 24 2020
Ck# 035827

Application For Permit To Appropriate Water For Irrigation

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

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

1. Name to Appear on Irrigation Permit City of Redfield

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

Mailing Address 626 Main St. Redfield SD 57469
(Address) (City) (State) (Zip Code)

Phone 605-472-4550 Mobile 605-460-1326 Email parkandrea@redfield-sd.com

2. Amount of water claimed 0.09 *CFS or 40 **GPM ***AF Total Acreage 14.92
(*Cubic Feet per Second) (**Gallons per Minute) (***)Acre Feet - storage capacity of dam/dugout or annual use if applicable)

3. Source of water supply Water Well

4. Location of point of diversion NW 1/4 SE 1/4 Sec 9-T116N-R64W
(example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)

County Spink

5. County or counties where water will be used Spink

6. Annual period during which water is to be used May - September 30

7. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
(Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>NW 1/4 SE 1/4 Sec 9-T116N-R64W</u>	<u>14.92</u>		

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

<u>Irrigation of a youth football/soccer field.</u>	RECEIVED SEP 24 2020 WATER RIGHTS PROGRAM
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I, Adam L Hansen City of Redfield Finance Officer, 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 _____ Have test holes been drilled ☐ Yes ☐ No Drilled by _____
(if yes, please provide copies of logs)

b) If existing wells, how many 1 Provide copy of log(s), if available. Drilled by Stretols Well Service Inc

For either Existing or Proposed Wells:

c) Well Depth (required) 57' Depth to Top of Water Bearing Material 31' Depth to Water from Surface 3.2'

d) Distance to nearest domestic well on applicant's property None Property owned by others City Block

2. Wastewater Disposal System Information

a) Type of System (i.e. septic tank, drain field) None

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)

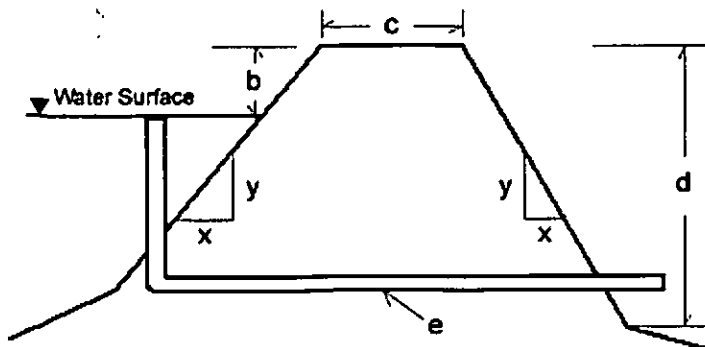
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres

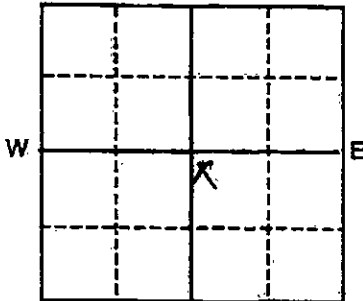


SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW 1/4 SE 1/4 Sec 9 Twp 116N Rg 64W
 County Spink 44.84, -98.52
 North

Please mark well
location with an "X"



Well Completion Date
6/05/2018

1 Mile

Distance to nearest potential pollution source (septic tank, abandoned well, feed lot, etc.)?
NONE ft. from _____ (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Mud Rotary

CASING DATA:

If other describe ☐ Steel ☒ Plastic ☐ Other

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	<u>5</u> IN	<u>0</u> FT	<u>27</u> FT	IN
LB/FT	<u>5</u> IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
<u>Portland</u>	<u>3</u>	<u>16</u> Lb/gal	<u>0</u> Ft	<u>27</u> Ft
		Lb/gal	Ft	Ft

Describe grouting procedure

Traverse Pipe

SCREEN:

Diameter 5 ☐ Perforated pipe ☒ Manufactured

Material PVC Length 30 Feet

Slot Size 25 Set From 27 Feet to 57 Feet

Other Information

WAS A PACKER OR SEAL USED?

If so, what material? Portland ☒ Yes ☐ No

Describe packer(s) and location

0-27'

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? Chlorine

Lab to which water quality sample sent for analysis ☐ No, Why Not?

Well Owner: Redfield Park & Rec
 Business Name: _____
 Address: _____
 City, State, Zip: _____

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>4</u>
<u>Clay</u>	<u>4</u>	<u>16</u>
<u>Blue Clay</u>	<u>16</u>	<u>27</u>
<u>Sand</u>	<u>27</u>	<u>57</u>

STATIC WATER LEVEL

3 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: Well Produced 2.45 GPF
☐ Bailed
☐ Other

Pumping Level Below Land Surface

15 Ft. After 2 Hrs. pumped 30 GPM

_____ Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

This well was drilled under license # 722 and this report is true and accurate.

Drilling firm: Stretch's Well Service Inc

Signature of License Representative:

Tom Galt

Signature of Well Owner or Equitable Property Holder:

Date:

Stretch's Well Service Inc. Drillers Log (605)266-2128

Page No.

SOCKET FIELD

Red Field SOCKET FIELD
Location Field

6-5-2018

Date

Rig No.

Foreman

Jt #	Depth	Time	Remarks
1	0-15	4.45	Gr - 1 Gravel TOP SOIL
2	15-30	5.13	1-3
3	30-45	6.00	3-4 Granite rock
	6-6		4-10 Brown clay Granite cuttings
4	45-60	9.50	10-14 Brown - lite gray clay Granite cuttings
5	60-75	10.11	14-16 Brown - Blue clay
			16-17 rock
			17-21 Blue clay
			21-22 sand and clay
			22-23 Blue
			23-25 fine sand
			25-26 rock drilling it down
1	0-15	K	26-31 Blue silty clay with pebbles
2	15-25	OC	drilling rock down
3	25-40	R	31-32 sand still drilling rock
4	40-55	R	32-34 Blue
			34-40 Blue clay streaks
			40-45 coarse little sharp
			41-45 sand
			45-50 drilled like sand clay streaks
			50-51 Blue clay
			51-53 sand
			53-55 Blue clay
			55-57 sand
			57-61 Blue silty clay
			61-66 shale
			66-70 shale with small brittle chunks
			WD-57 - WK 3.20
			29' 5" PVC well casing
			30' 5" PVC 25 slot screen
			2 bags bentonite
			2 5" PVC well caps
			Pea rock

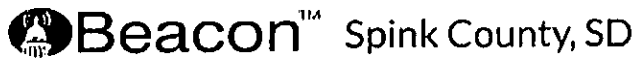
Bent //

Redfield Soccer Field STRETCH'S WELL SERVICE
PUMPING REPORT

	A	B	C	D	E
1	WD 57	Stretch's Pumping Log WL - 3.20			
2	Time	Gal. per Minute	Pumping Level	Draw Down	Gal. per Foot
3	8.25	37.50	12.95	9.75	3.84
4	8.30	37.50	13.35	10.15	3.69
5	8.35	37.50	13.70	10.50	3.57
6	8.40	37.50	14.	10.80	3.47
7	8.50	37.50	14.50	11.30	3.3
8	9.00	37.50	15.	11.80	3.17
9	9.10	37.50	15.25	12.05	3.11
10	9.20	37.50	15.45	12.25	3.1
11	9.30	37.50	15.70	12.50	3
12	9.40	37.50	15.90	12.70	2.95
13	9.50	37.50	16.30	13.10	2.86
14	10.00	37.50	16.70	13.50	2.77
15	10.10	37.50	16.75	13.55	2.76
16	10.20	37.50	16.80	13.60	2.75
17	10.30	37.50	17.	13.70	2.73
18	10.40	30	15.40	12.20	2.45
19	10.50	30	15.40	12.20	2.45
20	11.00	30	15.40	12.20	2.45
21	11.10	30	15.40	12.20	2.45
22	11.20	30	15.40	12.20	2.45
23					
24					

Start 8.20

Active box



Summary

Parcel ID 012309
Legal Description PRAIRIE WINDS ESTATES LOT D & PRAIRIE WINDS ESTATES 2ND S-D LOT 1 REDFIELD CITY
Location Section 09, T116N R64W
Deed Holder CITY OF REDFIELD
Contract Holder

Gross Acres 14.92
ROW Acres 0.00
Gross Taxable Acres 14.92
Exempt Acres 0.00
Net Taxable Acres 14.92 (Gross Taxable Acres - Exempt Land)
Average Rating 0.563

Agriculture Active Config 2020

Sub Parcel Summary

Description	Acres	Average Rating
100% Value	14.92	0.563
Total	14.92	

Soil Summary

Soil Name	SMS	Land Use	PFC	Rating	Total Acres
HENKIN-BLENDON	HsB	Crop	3e	0.537	1.28
STICKNEY-DUDLEY	St	Crop	3s/4s	0.560	6.70
WOONSOCKET-WHITELAKE	Ws	Crop	3e/4e	0.571	6.94
Total					14.92

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Developed by

Version 2.3.85



Beacon™ Spink County, SD

Please use the map's print tool.

Parcel ID	012309	Alternate ID	n/a	Owner	CITY OF REDFIELD
Sec/Twp/Rng	n/a	ID		Address	626 MAIN STREET
Property	845 10TH	Class	D		REDFIELD SD 57469-
Address	AVENUE	Acreage	14.92		1127
District	56-4				
Brief	PRAIRIE WINDS ESTATES LOT D & PRAIRIE WINDS ESTATES 2ND S-D LOT				
Tax Description	1 REDFIELD CITY				
	(Note: Not to be used on legal documents)				

BeaconTM Spink County, SD

Parcel Summary

Parcel ID 012309
 Property Address 845 10th Avenue
 Redfield City
 Sec/Twp/Rng 6 / 1 /
 Brief Tax Description PRAIRIE WINDS ESTATES LOT D & PRAIRIE WINDS ESTATES 2ND S-D LOT 1 REDFIELD CITY
 (Note: Not to be used on legal documents)
 Gross Acres 014.92
 Lot Size N/A
 School District 56-4
 Land Code D

Owners

Deed Holder
City Of Redfield
 626 Main Street
 Redfield SD 57469-1127

Contract Holder

Sales

Remarks	Grantor	Grantee	Book	Page	Sales Date	Filing Date	Selling Price
NO MONEY	REDFIELD SOCCER ASSOC	CITY OF REDFIELD	420	283	09/30/2013	10/08/2013	0
NO MONEY	REDFIELD INDUSTRIAL DEVELOPMENT CORPORATION	REDFIELD CORPORATION	420	210	08/04/2013	08/22/2013	0
NO MONEY	REDFIELD CORPORATION	REDFIELD SOCCER ASSOCIATION, INC.	420	211	08/04/2013	08/22/2013	0
AMENDED CONTRACT FOR DEED	REDFIELD CORP	REDFIELD SOCCER ASSOC	519	935	08/04/2006	08/08/2006	0

Valuation

	2020	2019	2018	2017	2016
+ Assessed Building Value	\$0	\$0	\$0	\$0	\$0
+ Assessed Dwelling Value	\$0	\$0	\$0	\$0	\$0
+ Assessed Land Value	\$0	\$0	\$0	\$0	\$0
= Total Assessed Value	\$0	\$0	\$0	\$0	\$0

Map



No data available for the following modules: Buildings, Farm Buildings, Tax History, Photos, Sketches.

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116N 64W
Section: 05

116N 64W
Section: 04

116N 64W
Section: 03

116N 64W
Section: 08

116N 64W
Section: 09

116N 64W
Section: 10

116N 64W
Section: 17

116N 64W
Section: 16

116N 64W
Section: 15

SEP 28 2020



DENR
SOUTH DAKOTA

BY: _____

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING

523 EAST CAPITOL

PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

September 24, 2020

City of Redfield
Adam L. Hanson, Finance Officer
626 Main St
Redfield SD 57469

Dear Mr. Hanson:

Thank you for submitting the *Application for a Permit to Appropriate Water* for irrigation of the football/soccer field. In order to complete the application, the following is required.

- A map needs to be submitted that references a government section corner or quarter corner including section, township and range. The map submitted did not have the section corners designated. For your use, I have enclosed a map with those designations. Please outline the acres to be irrigated and mark the well location with an "X".

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

Karen Schlaak
Water Rights Program
605 773-3352
karen.schlaak@state.sd.us

enclosure

Schlaak, Karen

From: Schlaak, Karen
Sent: Thursday, October 8, 2020 9:04 AM
To: Adam Hansen
Subject: RE: [EXT] Irrigation Application City of Redfield

Mr. Hansen,
Received the map and I'm sorry for the incorrect spelling of your last name. You will be notified when the report, chief engineer recommendation and public notice are complete. We will send a letter with instructions at that time.

Karen Schlaak
Water Rights Program
(605) 773-3352



From: Adam Hansen <alhansen@redfield-sd.com>
Sent: Thursday, October 8, 2020 8:02 AM
To: Schlaak, Karen <Karen.Schlaak@state.sd.us>
Cc: Adam Hansen <alhansen@redfield-sd.com>
Subject: [EXT] Irrigation Application City of Redfield

Karen,

See attached.

Thanks

Adam L. Hansen
Finance Officer
City of Redfield
626 Main Street
Redfield, SD 57469
(605) 472-4550 Office
(605) 472-4553 Fax

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date September 24, 2020

RECEIVED OF City of Redfield 626 Main St. Redfield SD 57469

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

Fee for Application for Permit No. <u>8453-3</u> to Appropriate Water, to construct and to put water to beneficial use	\$100.00
Fee for Application for Permit No. _____ to Appropriate Water for Future use	\$
Fee to retain Future Use Permit No. _____ after period of seven years.	\$
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>8453-3</u>	\$200.00
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	\$300.00

By Eric Gronlund
Chief Engineer
EGM



DENR
SOUTH DAKOTA

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 8453-3, City of Redfield**

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. 8453-3, City of Redfield, c/o Adam L Hansen, Finance Officer, 626 Main Street, Redfield SD 57469.

The Chief Engineer is recommending APPROVAL of Application No. 8453-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) it is in the public interest with the following qualifications:

1. The well approved under Water Permit No. 8453-3 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. 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
December 8, 2020

REPORT TO THE CHIEF ENGINEER
ON
WATER PERMIT APPLICATION NO. 8453-3
CITY OF REDFIELD
C/O ADAM L. HANSEN, FINANCE OFFICER
DECEMBER 7, 2020

Water Permit Application No. 8453-3 proposes to irrigate 14.92 acres at a maximum instantaneous diversion rate of 0.09 cubic feet of water per second (cfs) (30 gallons per minute) from an existing well (57 feet deep) completed into the Quaternary Alluvium along Redfield Lake and Turtle Creek in Spink County. The well and the land to be irrigated are located in the NW ¼ SE ¼ Sec. 9-T116N-R64W. This site is located on the west side of Redfield on the south side of Redfield Lake.

AQUIFER: Quaternary Alluvium (ALQ)

Aquifer Characteristics:

At the location of the well the applicant intends to use, no major surficial aquifers have been identified (Benson, 1997; Water Rights, 2020b, 2020c, and 2020d). The first occurrence of aquifer materials map for Spink County (Schulz, 2001), lithologic logs (SDGS, 2020), and area well completion reports (Water Rights, 2020d) show that the well was completed into the Quaternary aged alluvium adjacent to Redfield Lake. The Quaternary Alluvium aquifer is a general name for aquifers that occur in the material deposited by streams, alluvium, and is not considered contiguous with a larger named aquifer (Water Rights, 2020b and 2020c). The alluvium that comprises this aquifer underlies and is adjacent to Redfield Lake, Turtle Creek, and the tributaries to Turtle Creek (Schulz, 2001; Todd, 1909). Figure 1 shows the portion of the alluvium from which the well can obtain water and is not considered a portion of another aquifer. The southwestern extent of the alluvium is bounded by the Water Management Board accepted extent of the Tulare: Western Spink-Hitchcock aquifer. The eastern extent was determined based on review of well completion reports (Water Rights, 2020d), lithologic logs (SDGS, 2020), consideration of the area where the alluvium may be in hydrologic connection with discontinuous bodies of outwash (Schulz, 2001), the location of the dam that created Redfield Lake, and the location of the well the applicant intends to use. The remainder of the areal extent is based on the mapped alluvium shown in the Spink County first occurrence of aquifer materials map (Schulz, 2001). The mapped alluvium in the first occurrence map continues further upstream to the west and downstream along Turtle Creek eventually reaching the James River further to the east (Schulz, 2001).

The areal extent of the Quaternary Alluvium aquifer shown in Figure 1 is approximately 1,290 acres (modified from: Schulz, 2001). Quaternary aged alluvium is primarily comprised of clay and silt with some sand and gravel. The 30-minute Redfield Quadrangle (Todd, 1909) shows there are also "Old stream deposits" some of which have been more recently interpreted as sand and gravel that may be discontinuous (Schulz, 2001). In general, the direction of water movement in alluvium is in the direction of the surface water flow and towards the surface water body. The well location is above the historic stream channel for Turtle Creek prior to the construction of the dam to impound water for Redfield Lake (Todd, 1909). The lithology of the well was topsoil from 0 to 4 feet below ground surface, clay from 4 to 16 feet, blue clay from 16 to 27 feet, and sand from 27

to 57 feet below ground surface. The static water level at the time of completion was 3 feet below ground surface in June 2018.

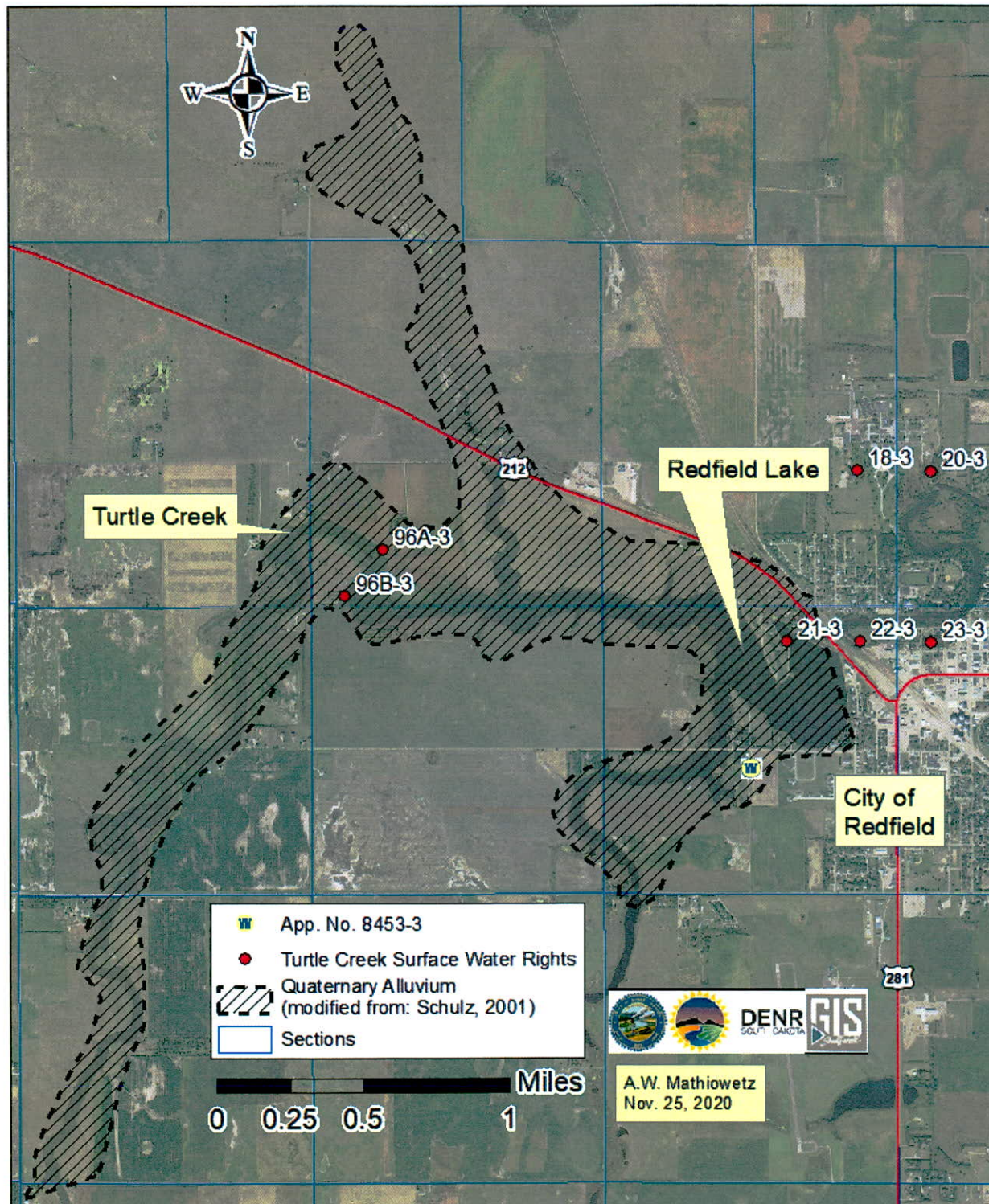


Figure 1- Approximate areal extent of the Quaternary Alluvium aquifer for Application No. 8453-3 and the surface water rights for Turtle Creek in the area (Water Rights, 2020c; modified from: Schulz, 2001)

Table 1- Turtle Creek water rights/permits in the area of the Quaternary Alluvium aquifer shown in Figure 1 (Water Rights, 2020c)

Permit No.	Name	Priority Date	Status	Use	CFS	Acres	Permitted Storage Volume (ac-ft)
18-3	SD DEVELOPMENT CENTER	09/04/1939	LC	IRR	0.89	133	
20-3	GREENLAWN CEMETERY ASSN	05/16/1940	LC	IRR	0.01	13	
21-3	CITY OF REDFIELD	03/06/1940	LC	MUN	n/a	n/a	1,568
22-3*	CITY OF REDFIELD	03/06/1940	LC	MUN	n/a	n/a	
23-3	CITY OF REDFIELD	03/06/1940	LC	IRR	0.42	47	
96A-3	JERAD JUNGWIRTH	02/11/1953	LC	IRR	1.68	117.5	
96B-3	JANE M KEGLER	02/11/1953	LC	IRR	0.32	22.5	
* Authorizes the diversion of water from Turtle Creek for fire suppression							

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 there is unappropriated water available for this applicant's proposed use, that the proposed diversion can be developed without unlawful impairment of existing rights and that the proposed use is a beneficial use and in the public interest. This report will address the availability of unappropriated water and effects on existing rights from the aquifer that are pertinent to this application.

WATER AVAILABILITY:

This application proposes to appropriate water from the Quaternary Alluvium aquifer. The probability of unappropriated water 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 Quaternary Alluvium aquifer is not stratigraphically lower/older than the Greenhorn Formation, and the application is not for supplying a water distribution system as defined in SDCL 46-1-6(17). Therefore, a comparison of average annual recharge and average annual withdrawals from the Quaternary Alluvium aquifer is required for this application.

Hydrologic Budget

Recharge

This particular portion of the Quaternary Alluvium aquifer likely receives recharge from direct infiltration of precipitation and snowmelt, infiltration of runoff from the watershed that supplies Redfield Lake and Turtle Creek, inflow from upgradient alluvium, and leakage from Turtle Creek and Redfield Lake. There has been no direct estimation of recharge to this portion of the

Quaternary Alluvium aquifer. However, Hedges and others (1985) estimated a range of recharge rates to non-buried, unconfined glacial aquifers from 2.0 to 5.6 inches/year (in/yr). That is a recharge range of 215 to 602 acre-feet per year to this portion of the Quaternary Alluvium aquifer. The annual 1981-2010 normal precipitation at Redfield, South Dakota is 21.93 in/yr (NCDC, 2020). The recharge rate estimate from Hedges and others (1985) would require an infiltration rate of 9.1 to 25.5 percent of the precipitation that falls directly on the surface of the aquifer. That does not account for any inflow from upgradient alluvium or infiltration of surface runoff from the watershed that feeds or or leakage from Redfield Lake and Turtle Creek. Therefore, it is reasonable to assume there is at least 2 in/yr of recharge to this portion of the Quaternary Alluvium aquifer.

Discharge:

Discharge from this portion of the Quaternary Alluvium aquifer is likely through outflow to downgradient alluvium, baseflow to Turtle Creek, evapotranspiration where the aquifer is at or near land surface, and well withdrawals. There are no water rights/permits authorized to withdraw water from this portion of the Quaternary Alluvium aquifer (Water Rights, 2020c). The withdrawals by the surface water rights for Turtle Creek shown in Figure 1 and listed in Table 1 are expected to have negligible effect on the availability of water in the Quaternary Alluvium. This application proposes to irrigate 14.92 acres. Irrigation permits in South Dakota are limited to two feet of water per acre. That is a total of 29.84 ac-ft/yr. Typical crop irrigation in the eastern half of South Dakota applies 10 in/yr on average. However, sod farms, golf courses, and athletic fields, such as this application, often apply closer to two feet or more of water. Therefore, it is assumed this applicant will apply the full two feet of water per acre.

There are three domestic wells on file with the DENR-Water Rights Program that appear to be completed into the portion of the Quaternary Alluvium aquifer the applicant intends to use (Water Rights, 2020d). Carter and Neitzert (2008) estimated water use in South Dakota for 2005. The average self-supplied water use per capita for the State of South Dakota was 70 gallons per day (Carter and Neitzert, 2008). Assuming 2.5 residents for the three domestic wells on file with the DENR-Water Rights Program that may be completed into this portion of the Quaternary Alluvium aquifer, the domestic wells are estimated to pump 0.6 ac-ft/yr. There may be other domestic wells completed into this portion of the Quaternary Alluvium aquifer. However, the presence of the City of Redfield municipal water system means it is not likely there are many domestic users.

Balance of Hydrologic Budget

The best information available indicates the recharge rate to this portion of the Quaternary Alluvium aquifer is likely at least 2 in/yr for an estimated average annual recharge of at least 215 acre-feet. This application, if approved, will be limited to pumping no more than 29.86 ac-ft/yr. The three domestic wells on file are assumed to pump 0.6 ac-ft/yr. The required recharge rate to supply this application and the three domestic wells on file over the approximately 1,290 acre areal extent is 0.28 in/yr. Therefore, there is a reasonable probability that unappropriated water is available for this proposed appropriation.

Observation Well Data:

Administrative Rule of South Dakota Section 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.

There are no DENR-Water Rights Program observation wells completed into this portion of the Quaternary Alluvium aquifer (Water Rights, 2020b). The nearest DENR-Water Rights Program observation wells are over three miles away and measure confined glacial aquifers. Furthermore, there is very limited data for domestic wells completed into the Quaternary Alluvium aquifer in this area to attempt to assess the longer-term trends of water level based on domestic wells. Therefore, there is no observation well data or other water level data available to assess the Quaternary Alluvium aquifer for this application.

POTENTIAL FOR UNLAWFUL IMPAIRMENT OF EXISTING WATER RIGHTS:

As shown in Figure 1, there are no other water rights/permits authorized to withdraw water from this portion of the Quaternary Alluvium aquifer (Water Rights, 2020c). The water rights listed in Table 1 are authorized to withdraw water from Turtle Creek or impound water to create Redfield Lake. The approximate extent of Redfield Lake when the impoundment is full is 170 acres (Water Rights, 2020e). The pumping from this application could at most drawdown the impoundment 0.4 inches over that extent. The annual free water surface evaporation from a shallow lake for 1956-1970 in this area is approximately 43 in/yr (Farnsworth, Thompson, and Peck, 1982). The water lost to evaporation is significantly greater than the possible effect from pumping this proposed diversion could have on the surface water rights. Therefore, pumping the well for this proposed diversion would have negligible effects on existing Turtle Creek water rights.

The three domestic wells on file that are likely completed into this portion of the Quaternary Alluvium aquifer are all within 0.25 miles with the closest likely within 0.1 miles of the well the applicant intends to use (Water Rights, 2020d). The well the applicant intends to use is confined and the three domestic wells on file with the Water Rights Program that are likely completed into this portion of the Quaternary Alluvium aquifer. The section of the aquifer the applicant and other nearby domestic wells are completed in is under confined conditions with 20 to 50 feet of artesian head above the top of the aquifer in the respective wells. However, the Quaternary Alluvium aquifer is likely connected to Redfield Lake, the lake will likely act as a recharge boundary and limit the effects of drawdown created by pumping. In general, the Quaternary Alluvium aquifer is under unconfined conditions and drawdown from pumping does not extend far from pumped wells in unconfined aquifers.

South Dakota Codified Law (SDCL) 46-6-6.1 does not necessarily protect artesian head pressure as a means of delivery, and the Water Management Board has recognized in the past to place water to maximum beneficial use, a certain amount of drawdown may occur. In order to balance interests between appropriative use and delivery of water by artesian head pressure, the Water Management Board defined an “adversely impacted domestic well” in Administrative Rule of South Dakota (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".

The Water Management Board considered the delivery of water by artesian head pressure versus maximum beneficial use of water issue for Water Right No. 2313-2 for Coca-Cola Bottling Company of the Black Hills (Water Rights, 1995). The Water Management Board adopted Findings of Facts and Conclusions of Law that noted reservation of artesian head pressure for delivery of water would be inconsistent with SDCL 46-1-4 which states, "general welfare requires that the water resources of the state be put to beneficial use to the fullest extent of which they are capable..." (Water Rights, 1995). Furthermore, the Water Management Board found if increased cost or decreased production as a result of impacts on artesian head pressure by legitimate users is to be considered an adverse impact it would also be in conflict with SDCL 46-1-4 (Water Rights, 1995). With that in mind, some existing well owners may need to lower their pumps to accommodate for deeper water levels. There are no complaints on file with the DENR-Water Rights Program regarding well interference issues from the Quaternary Alluvium aquifer in Spink County (Water Rights, 2020a). However, when considering the statute (SDCL 46-6-6.1), rule (ARSD 74:02:04:20(7)), the artesian head pressure, the hydrologic connection to Redfield Lake, there is a reasonable probability that any drawdown created by pumping this proposed diversion will not unlawfully impair existing domestic users with adequate wells. Furthermore, any potential drawdown created by pumping this application is not is not expected to be distinguishable from natural evaporation on Redfield Lake and Turtle Creek. Therefore, there is a reasonable probability this application will not unlawfully impair existing surface water appropriators.

CONCLUSIONS:

1. Application No. 8453-3 proposes to irrigate 14.92 acres at a maximum instantaneous diversion rate of 0.09 cfs (30 gpm) from an existing well completed into a portion of the Quaternary Alluvium aquifer.
2. Based on a hydrologic budget, there is a reasonable probability unappropriated water is available for this proposed appropriation.
3. There is a reasonable probability that pumping this proposed diversion will not unlawfully impair existing users with adequate wells or nearby appropriative users of Turtle Creek and Redfield Lake.



Adam Mathiowetz, PE
SD DENR-Water Rights Program

REFERENCES:

- Benson, R.D. 1997. Major Aquifers in Spink County, South Dakota. Information Pamphlet No. 50. SD DENR-Geological Survey. Vermillion, South Dakota.
- Carter, J.M. and Neitzert, K.M. 2008. Estimated Use of Water in South Dakota, 2005. Scientific Investigations Report 2008-5216. U.S. Geological Survey. Rapid City, South Dakota.

- Farnsworth, R.K., Thompson, E.S. and Peck, E.L. 1982. Evaporation Atlas for the Contiguous 48 United States. NOAA Technical Report NWS 33. National Weather Service, National Oceanic and Atmospheric Administration. Washington D.C.
- 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; U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- NCDC. 2020. *Climate Data Online Tools: 1981-2010 Normals*. <<https://www.ncdc.noaa.gov/cdo-web/datatools/normals>>. Accessed November 25, 2020. National Climatic Data Center, National Oceanic and Atmospheric Administration. Washington D.C.
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- SDGS. 2020a. Lithologic Logs Database. <<http://cf.sddenr.net/lithdb/>>. Accessed: November 25, 2020. SD DENR-Geological Survey Program.
- Todd, J.E, 1909. Aberdeen-Redfield folio, Northville, Aberdeen, Redfield, and Byron quadrangles, South Dakota. Folios of the Geologic Atlas 165. U.S. Geological Survey.
- Water Rights. 2020a. County Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2020b. Observation Well Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2020c. Water Right/Permit Files. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2020d. Well Completion Reports. SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2020e. SNATDAM (Dam Safety Program database). SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- 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. DENR-Water Rights Program file for Water Right No. 2313-2. Pierre, South Dakota.

Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, December 9, 2020 8:47 AM
To: Adam Hansen
Subject: Water Permit Application No. 8453-3
Attachments: 0170.pdf

Attached is a copy of the report, chief engineer recommendation and information regarding the public notice for the city's 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.

Karen Schlaak
Water Rights Program
(605) 773-3352



PRINTER'S AFFIDAVIT

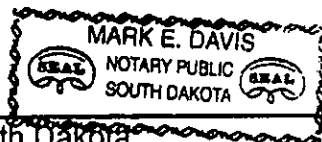
CITY OF REDFIELD: ss

I, KIM DAVIS, being duly sworn on oath say that the PLAINSMAN is a daily paper published at Huron, Beadle County, South Dakota, and that said newspaper has a bona fide circulation of at least 250 copies daily; that said newspaper has been published within said county for fifty-two consecutive weeks immediately prior to this date, that said newspaper is printed in whole or in part, in an office maintained at said place of publication; that I am Legal Advertising Coordinator of said newspaper and know the facts herein state. The annexed notice headed:

**NOTICE OF APPLICATION TO
APPROPRIATE WATER**

was published for one day, in said newspaper, and not in any supplement of the said newspaper. The first publication being the 16th day of DECEMBER 2020 That the full amount of the fee charged for publishing is: TWENTY NINE & 03/100 dollars insures to the benefit of the publisher of said newspaper; that no agreement or understanding for the division thereof has been made with any other person, and that no part thereof has been agreed to be paid to any person whom so ever.

Subscribed and sworn to me before this 14TH day of JANUARY 2021.



Notary Public, South Dakota

My term expires 12/24/2024

RECEIVED

JAN 14 2021

WATER RIGHTS
PROGRAM

2000-1-0001

F.P. 0-10-00

NOTICE OF

APPLICATION

NO. 04533 to

Appropriate Water

It is given that

the City of Redfield,

c/o Adam L. Hansen,

Finance Officer, 626

Main St., Redfield SD

57468 has filed an

application for a water

right to appropriate

0.09 cubic feet of water

per second from one

well completed into the

Quaternary Alluvium

under 157 feet deep

located in the NW 1/4

SE 1/4 Section 6 to

irrigation of 14.83 acres

of the south located

soccer field located

in the NW 1/4 SE 1/4

Section 6, 20 in T10N-

R6W. The site is

located on the west side

of Redfield SD

Pursuant to

SDCL

46-2A-2, the Chief

Engineer recommends

APPROPRIAL

Application

No.

04533-G

with

qualifications because

it is unappropriated

water is available, 2)

existing rights will not

be unreasonably impaired,

3) it is a beneficial use

of water, and 4) it is

in the public interest.

The Chief Engineer's

recommendation with

qualifications, the

application, and staff

report are available at

<http://dshs.sd.gov/>

public or contact

Ron Duvall for the

information, or other

information, at the Water

Rights Program address

provided below.

Any person interested in

appearing 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, Post Office

Box 623, Rapid City SD

57701 (605) 773-3337

and the applicant's

mailing address is given

above. A petition filed

by either an interested

person or the applicant

must be filed by

December 28, 2020.

The petition may be

internal but must include

a statement describing

the petitioner's interest

in the application, the

petitioner's reasons for

appearing or supporting

the application, and the

signature and mailing

address of the petitioner

or the petitioner's legal

counsel, if legal counsel

is retained.

E. The applicant

does not contest the

recommendation of

the Chief Engineer

and no action to

contest the application

is required. The Chief

Engineer shall act on

the application pursuant

to the recommendation

with no hearing held

before the Water

Management Board if

a petition contesting the

recommendation is

filed, then a hearing

will be scheduled, and

the Water Management

Board will consider the

application, all of

the hearing will be given

to the applicant and any

person filing a petition.

(Re SDCL (a)(1))

(Published once at the

total approximate cost of

\$29.00.)

RECEIVED

JAN 08 2021

WATER RIGHTS
PROGRAM**Notice of
Application**

#3975

**NOTICE OF APPLICATION NO.
8453-3 to Appropriate Water**

Notice is given that the City of Redfield, c/o Adam L. Hansen, Finance Officer, 626 Main St., Redfield SD 57469 has filed an application for a water permit to appropriate 0.09 cubic feet of water per second from one well completed into the Quaternary Alluvium Aquifer (57 feet deep) located in the NW 1/4 SE 1/4 Section 9 for irrigation of 14.92 acres of the youth football/soccer field located in the NW 1/4 SE 1/4 Section 9; all in T116N-R64W. This site is located on the west side of Redfield SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8453-3 with qualifications because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.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 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 December 28, 2020.

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.

Published once at the total approximate cost of \$23.36. (Dec. 16)

Affidavit of Publication

STATE OF SOUTH DAKOTA,
County of Spink: ss.

I, Deborah Leesch, being duly sworn on oath, say that THE REDFIELD PRESS is a weekly newspaper as defined in Sec. 65.0508 South Dakota Code 1939, as amended by Chapter 298 of the Session of Laws of 1939, printed and published in the English language in the City of Redfield, in said County and State, by THE REDFIELD PRESS. I, Deborah Leesch, am Legal Advertising Coordinator of said newspaper and know the facts herein state. The annexed notice headed:

#3975 NOTICE OF APPLICATION

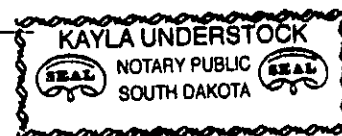
was printed and published in said newspaper in 1 issue, to wit: The first publication being made on DECEMBER 16TH 2020. That the full amount of the fee charged for publishing Twenty-three and .36/100 Dollars, insures to the benefit of the publisher of THE REDFIELD PRESS, that no agreement or understanding 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.

Deborah Leesch

Subscribed and sworn to before me this 16th day of DECEMBER 2020

Kayla Understock

Notary Public, South Dakota



My commission expires 09/26/2024

Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, December 9, 2020 8:43 AM
To: Stacy Carroll (scarroll@redfieldpress.com)
Subject: 8453-3, City of Redfield
Attachments: 8453-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on December 16, 2020.

City of Redfield, c/o Adam L Hansen, Finance Officer, 626 Main St, Redfield SD 57469 (605 472-4550) 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

Water Rights Program
(605) 773-3352



DENR
SOUTH DAKOTA

Schlaak, Karen

From: Schlaak, Karen
Sent: Wednesday, December 9, 2020 8:44 AM
To: 'rcrandall@plainsman.com'
Subject: 8453-3, City of Redfield
Attachments: 8453-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on December 16, 2020.

City of Redfield, c/o Adam L Hansen, Finance Officer, 626 Main St, Redfield SD 57469 (605 472-4550) 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

Water Rights Program
(605) 773-3352



DENR
SOUTH DAKOTA



DENR
SOUTH DAKOTA

**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.**

December 9, 2020

City of Redfield
Adam L Hansen, Finance Officer
626 Main St
Redfield SD 57469

Dear Mr. Hansen:

Water Permit Application No. 8453-3 for irrigation use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice has been sent to the Redfield Press printed at Redfield SD (Ph # 605 472-0822) and the Plainsman printed at Huron SD (Ph # 605 353-7414). 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,

Karen Schlaak

Karen Schlaak
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. 8453-3 to Appropriate Water

Notice is given that the City of Redfield, c/o Adam L Hansen, Finance Officer, 626 Main St, Redfield SD 57469 has filed an application for a water permit to appropriate 0.09 cubic feet of water per second from one well completed into the Quaternary Alluvium Aquifer (57 feet deep) located in the NW 1/4 SE 1/4 Section 9 for irrigation of 14.92 acres of the youth football/soccer field located in the NW 1/4 SE 1/4 Section 9; all in T116N-R64W. This site is located on the west side of Redfield SD.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8453-3 with qualifications because 1) unappropriated water is available, 2) existing rights will not be unlawfully impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. The Chief Engineer's recommendation with qualifications, the application, and staff report are available at <http://denr.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 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 December 28, 2020.

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.

Published once at the total approximate cost of_



DENR
SOUTH DAKOTA

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
denr.sd.gov

MAR 03 2021

City of Redfield
c/o Adam L Hansen, Finance Officer
626 Main St
Redfield SD 57469

Dear Mr. Hansen:

Enclosed is Water Permit No. 8453-3 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

8453-3
RECEIVED

DEC - 3 2021

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USEDate 12-1-2021TO: Water Rights Program, DENR
523 E. Capitol
Pierre, SD 57501-3181FROM: City of Redfield
(name)626 Main Street
(address)Redfield, SD 57469
(city, state, zip)605-472-4550
(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. 8453-3 states that the water use system is to be constructed by12-28-2025, and water is to be put to beneficial use by 12-28-2029.
(date) (date)The water use system was completed on 7-1-2021.
(date)Applying the water to beneficial use was completed on 8-16-2021.
(date)

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



(signature)





8453-3

**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

December 7, 2021

8453-3

Adam Hansen
City of Redfield
626 Main St
Redfield SD 57469

Dear Mr. Hansen:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know the city has completed the irrigation system authorized under Water Permit No. 8453-3.

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,

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