

WATER PERMIT NO. 8334-3

Name of Applicant: Gettysburg Country Club

Address: PO Box 115, Gettysburg SD 57442

Phone: 605 769-1774

Amount of Water Claimed: 0.28 cfs

Total Acres: 12.35 additional acres

Source of Water Supply: groundwater (1 well)

Water to be used for: irrigation

County: Potter

Type of Waste Disposal System:

Location: North edge of Gettysburg

PRIORITY Date Received: 1-17-18

Application/License Fee: \$ 700

Corrected Application Received: ~~2-28-18~~
3-2-18

Period of Annual Use: April 1- October 15

Remarks: additional diversion point and acres to Water Right No. 5901-3

Diversion Point: SW 1/4 SE 1/4 Sec 24-T118N-
R76W

Land to be Irrigated: E 1/2 SW 1/4, W 1/2 SE 1/4
Sec 24-T118N-R76W

			24		

Depth of Well: 2600 feet deep

Well Driller:

Remarks:

Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 2-28-18

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

SOUTH DAKOTA
WATER PERMIT NO. 8334-3

Date of first receipt of application January 17, 2018.

Date of return to applicant for corrections, amendments or changes January 18, 2018.

Date of receipt of corrected application March 2, 2018.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 8334-3 to Gettysburg Country Club, PO Box 115, Gettysburg SD 57442 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. 8334-3 appropriates 0.18 cubic feet of water per second (cfs) from a well to irrigate 13.05 acres. Currently, Gettysburg Country Club holds Water Right No. 5901-3 appropriating 0.17 cfs from runoff into a dugout located in the center of the N 1/2 SE 1/4 Section 24 to irrigate 0.7 acres (golf greens) located in the E 1/2 SW 1/4 and the W 1/2 SE 1/4 Section 24; all in T118N-R76W. This permit authorizes flow from an existing well completed into the Inyan Kara Aquifer (2,600 feet deep) located in the SW 1/4 NE 1/4 Section 24-T118N-R76W into the existing dugout authorized by Water Right No. 5901-3 for irrigation of 13.05 acres located in the area described above. Water will be diverted from the dugout at a maximum rate of 0.44 cfs and applied to the golf course. This permit and Water Right No. 5901-3 will authorize a total diversion of 0.44 cfs for irrigation of 13.05 acres from both surface runoff and groundwater.
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: April 1 – October 15.
3. The date from which applicant may claim right is March 2, 2018.
4. The date of approval of Permit No. 8334-3 is May 21, 2018.
5. One-fifth of the construction is to be completed on or before November 21, 2020.
6. All construction is to be completed on or before May 21, 2023.
7. Water is to be put to beneficial use on or before May 21, 2027.
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 this Permit 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 well approved under Permit No. 8334-3 shall be valved and the flow reduced to the amount needed or to a minimum when not being used. If this well is abandoned or the permit cancelled, the well must be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.

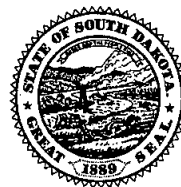
continued

3. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Water Right No. 5901-3 and Water Permit No. 8334-3 authorizes a maximum diversion rate from the dugout of 0.44 cfs for the irrigation of 13.05 acres with an annual volume not to exceed 2 acre feet of water per acre per year.
4. The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the Inyan Kara aquifer.

WATER MANAGEMENT BOARD

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

JUN 14 2018
date



RECEIVED

JAN 17 2018

WATER RIGHTS
PROGRAM

Mail to: DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>8334-3</u> (office use only) Hydrologic Unit <u>10130105</u>
	Basin <u>Missouri River</u>
	Newspaper <u>Potter County News</u>
	<u>Capital Journal</u>

Application For Permit To Appropriate Water For Irrigation

Type of Application: ☐ New ☐ Vested Right ☐ Amendment/Correction to Permit No. 5901-3
(Use predates Mar 2, 1955)

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

Additional irrigated acres1. Name to Appear on Irrigation Permit Guthrie County Club

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

Mailing Address PO Box 115 Guthrie SD 57442
(Address) (City) (State) (Zip Code)Phone 765-2656 Mobile 769-1774 Email Karpijan@vanhous.com.net2. Amount of water claimed 0.18 *CFS or 125 add'l **GPM ***AF Total Acreage 12.35 add'l
(*Cubic Feet per Second) (**Gallons per Minute) (***) Acre Feet - storage capacity of dam/dugout or annual use if applicable) acres3. Source of water supply dugout / off site well - SW 1/4 NE 1/4 Sec 244. Location of point of diversion NE 1/4 SE 1/4 Sec 24 - all T118N-R76W
(example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R53W)County Potter5. County or counties where water will be used Potter6. Annual period during which water is to be used April 1 through Oct 157. List below each forty acre division, or lot, or fraction thereof and show number of acres to be irrigated in each.
All in Sec 24, T118N, R76W (Attach sheet if more space is needed)

Land Description	Acres	Land Description	Acres
<u>NE 1/4 of SW 1/4</u>	<u>2.2</u>		
<u>SE 1/4 of SW 1/4</u>	<u>0.15</u>		
<u>NW 1/4 of SE 1/4</u>	<u>9.2</u>		
<u>SW 1/4 of SE 1/4</u>	<u>1.5</u>		

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

I, R. Karpijan Supt., 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.

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FEB 08 2018

WATER RIGHTS
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Form 2A

(Complete required and applicable portions only)

Supplemental Information

(type or print)

1. Well Information

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

→ Well is off site - we do not own.

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 ____

For either Existing or Proposed Wells:

c) Well Depth (required) 2,600' Depth to Top of Water Bearing Material R. Poeppel Depth to Water from Surface 0

d) Distance to nearest domestic well on applicant's property N/A Property owned by others ____

2. Wastewater Disposal System Information

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

b) System Capacity (gallons) ____ Year Constructed ____

c) Connected to the City of ____ Sanitary System

3. Dugout Information

a) Surface Dimensions 164' x 46' 490' x 140' Depth 10'

b) Depth to water (ground surface to water level) 3' now (2' to 4')

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 10'

e) Primary Outlet Capacity ____

If pipe, diameter 4"

f) Secondary Spillway Capacity ____

Spillway Width 20'

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

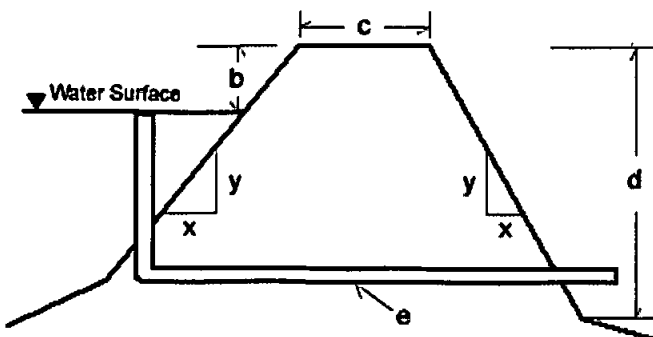
Upstream ____

Downstream ____

h) Surface Area of Impoundment 7,544 ft²

i) Storage ____ Acre Feet 69,1000

j) Drainage Area Above Dam ____ Acres



2015-10

- water flows from well to our holding pond during summer months. Pumped from there 25 hp elect. motor. (200 gpm) to golf course

Sec 14
T118N
R76W

Sec 13
T118N
R76W

Sec 18
T118N
R75W

Sec 23
T118N
R76W

Sec 24
T118N
R76W

Sec 19
T118N
R75W

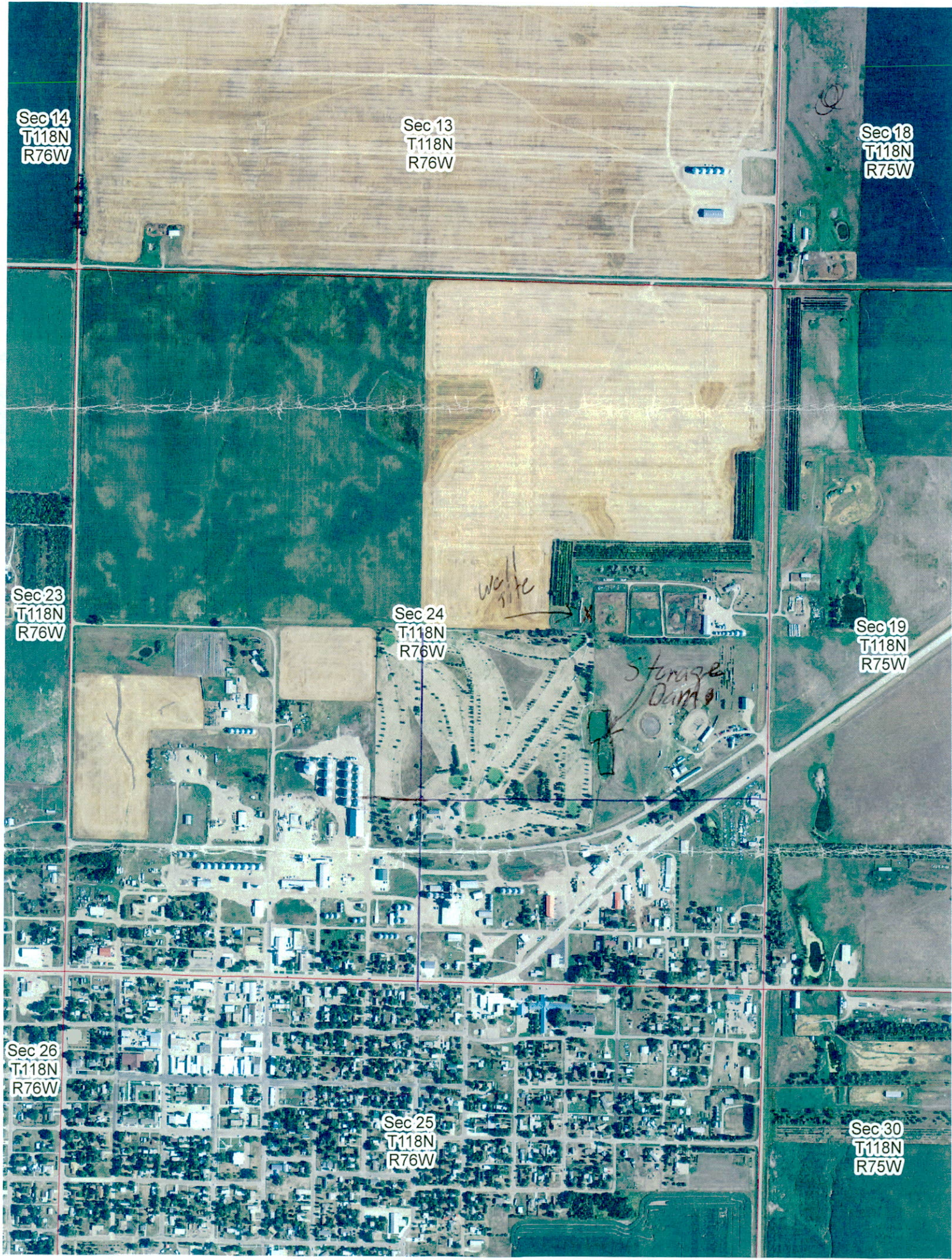
Sec 26
T118N
R76W

Sec 25
T118N
R76W

Sec 30
T118N
R75W

well site

Storage Dam



SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location 9E 1/4 Sec 24 Twp 118.8 Rg 764County
Potter

Well Completion Date

May 2013

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

? NONE ft. from (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Mud Rotary

CASING DATA:

If other describe Stainless Steel

PIPEWEIGHT LB/FT	DIAMETER IN	FROM FT	TO FT	HOLE DIAMETER IN
9ch 40.95	2	2200	2400	4 1/2
5ch 88.40	2	300	2200	4 1/2
250	5	0	300	7 1/8

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight Lb/gal	From Ft	To Ft
Portland	50	15	0	300

Describe grouting procedure

Pumped Through 5"

SCREEN:

☒ Perforated pipe
 ☐ Manufactured
Diameter 2 Inches Length 200 FeetMaterial Stainless SteelSlot Size 3/8 Set From 2200 Feet to 2400 Feet

Other information

WAS A PACKER OR SEAL USED?

☒ Yes ☐ No

If so, what material?

Describe packer(s) and location

Rubber above Perf.

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How?

Lab sample sent to for water quality analysis

☐ No, Why Not?

Well Owner:

Business Name:

Address:

City, State, Zip:

Rob Poeppel16343 311th AveGettysburg, SD 57442

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Top Soil	0	3
Yellow Clay	3	20
Blue Clay	20	145
Shale	145	1460
Greenhorn	1460	1480
Dakota	1780	1920
Lakota	2050	2070
Sundance	2195	2400

STATIC WATER LEVEL

If flowing: closed in pressure

GPM flow 75 through 2" inch pipeControlled by ☒ Valve ☐ Reducers ☐ OtherReduced flow rate 15 GPMCan well be completely shut in? yes

WELL TEST DATA:

☐ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

Ft. After _____ Hrs. pumped _____ GPM

Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

This well was drilled under license # 722

And this report is true and accurate.

Drilling firm:

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

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JUN 13 2013

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Drilling firm: Stretch's Well Service IncSignature of License Representative: Tom GrathenSignature of Well Owner or Equitable Property Holder: Robert A. PoeppelDate: 6/4/13

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date March 2

20 18

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Gettysburg Country Club PO Box 2115 Gettysburg, SD 57442

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

Fee for Application for Permit No. <u>8334-3</u> to Appropriate Water, to construct and to put water to beneficial use	500	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>8334-3</u>	200	00
Fee for Filing Transfer Form _____		
Fee for _____		
Fee for Issuing New Well Driller's License No. _____ for C.Y. _____		
Fee for Renewal of Well Driller's License No. _____ for C.Y. _____		
Fee for Issuing Well Pump Installer's License No. _____ for C.Y. _____		
Fee for Renewal of Well Pump Installer's License No. _____ for C.Y. _____		
(Any Other Work Provided by Law)	TOTAL	700 00

No. **08614**

By

Jeanne Goodman
Chief Engineer

vm



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

January 18, 2018

Gettysburg Country Club
c/o Kris Nafziger
PO Box 115
Gettysburg SD 57442

Dear Mr. Nafziger:

Thank you for submitting the *Application for a Permit to Appropriate Water* for irrigation of additional acres for the golf course. In order to complete the application, the following is required.

- Enclosed is the aerial photo map submitted with the application. On the map, please mark the well location with an "X".
- Enclosed is the Form 2A, Supplemental Information. On Item No. 1 regarding the Well Information, please complete c) Well Depth.
- Who is the owner of the well you are proposing to use?
- Please explain how the system will operate.
- Is the well water pumped directly to the dugout prior to being used for irrigation or is the well water pumped directly to the land?
- Water Right No. 5901-3 has a pump rate of 0.17 cubic feet of water per second (75 gallons per minute) from the dugout to apply water to the golf course. What is the pump or flow rate from the well?
- The application/license filing fee will be \$700.00.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak

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

enclosures

Water Rights Program - File Documentation

NAME: Kris Nafziger, Gettysburg Country Club

ADDRESS: Gettysburg SD

DATE: 3-2-18 **COUNTY:** PT **TELEPHONE:** 769-1774

RE: Pending application

COMMENTS:

Kris Nafziger reported the well owner Rob Poeppel told him the flow from the well is 80 gallons per minute. Mr. Poeppel uses the well water for livestock.



Karen Schlaak
Water Rights Program



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

denr.sd.gov

February 13, 2018

Gettysburg Country Club
c/o Kris Nafziger
PO Box 115
Gettysburg SD 57442

Dear Mr. Nafziger:

On February 8, 2018 we received your response to my letter dated January 18, 2018. It appears all the questions have been answered.

The remaining item required is the \$700.00 application/license fee.

If you have any questions, please contact me.

Sincerely,

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



**DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES**

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523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
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No. 5901-3

December 9, 2014

Kris Nafziger
Gettysburg Country Club
PO Box 115
Gettysburg SD 57442

Dear Mr. Nafziger:

Thank you for returning your 2014 irrigation questionnaire. A notation on the questionnaire said "Also water from deep well".

Water Right No. 5901-3 authorizes 0.17 cubic feet of water per second (75 gallons per minute) from a dugout located in the N 1/2 SE 1/4 Section 24 to irrigate 0.7 acres (golf greens) located in the E 1/2 SW 1/4 and W 1/2 SE 1/4 Section 24; all in T118N-R76W (copy enclosed).

Water rights in South Dakota are issued based on water source. Since the existing water right is for a dugout, the use of water from a well will require a new water permit application. Enclosed are application forms with an instruction sheet to complete and return.

For you use, I have enclosed an aerial photo map. Please mark the well location with an "X". If you plan to irrigate more than the golf greens, the additional acreage should be included on the application as well as any additional amount of water being used. Also, do you pump from the well to the dugout?

Obtaining a water permit that accurately reflects the country club's water use ultimately benefits the club by protecting its right to use water. If you have any questions, please contact Eric Gronlund or me.

Sincerely,

Karen Schlaak

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

enclosures



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

April 10, 2015

Kris Nafziger
Gettysburg Country Club
PO Box 115
Gettysburg SD 57442

Dear Mr. Nafzinger:

On December 9, 2014, forms for an *Application for Permit to Appropriate Water Within the State of South Dakota for Irrigation* were sent to you. Information submitted on the yearly irrigation questionnaire, indicated the golf course uses an additional water source other than the dugout authorized by Water Right No. 5901-3. A copy of that letter is enclosed.

As stated in the letter, obtaining a water permit that accurately reflects the county club's water use ultimately benefits the club by protecting its right to use water.

If you have any questions, please contact me.

Sincerely,

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

enclosure



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

denr.sd.gov

February 17, 2016

Kris Nafziger
31526 162nd St
Gettysburg SD 57442

RE: Gettysburg Country Club

Dear Mr. Nafziger:

Thank you for returning my call with reference to the irrigation questionnaire needed for Water Right No. 5901-3.

During our conversation you indicated the golf course has expanded irrigation of additional acreage over the years and may increase again over the coming years as finances permit. Currently, the Country Club holds Water Right No. 5901-3 which authorizes irrigation of the greens only (copy enclosed).

We would like to work with you to get the country club into compliance by obtaining a permit for the additional acreage and any acreage you feel may be added within the next five years. I have enclosed a set of application forms and an instruction sheet for your use. If you have any questions, please give us a call.

Sincerely,

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

enclosures: permit application forms & instruction sheet
copy of Water Right No. 5901-3



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. 8334-3, Gettysburg Country Club

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. 8334-3, Gettysburg Country Club, c/o Kris Nafziger, PO Box 115, Gettysburg SD 57442.

The Chief Engineer is recommending APPROVAL of Application No. 8334-3 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 this Permit 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 well approved under Permit No. 8334-3 shall be valved and the flow reduced to the amount needed or to a minimum when not being used. If this well is abandoned or the permit cancelled, the well must be plugged in accordance with Water Management Board Rules, Chapter 74:02:04.
3. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Water Right No. 5901-3 and Water Permit No. 8334-3 authorizes a maximum diversion rate from the dugout of 0.44 cfs for the irrigation of 13.05 acres with an annual volume not to exceed 2 acre feet of water per acre per year.
4. The Permit holder shall report to the Chief Engineer annually the amount of water withdrawn from the ~~Niobrara~~ ^{Niobrara} aquifer.

Inyan Kara ESS

See report on application for additional information.

Jeanne Goodman
Jeanne Goodman, Chief Engineer
May 1, 2018

(continued)

NOTE: The well to be used under this permit was constructed with an alternative well construction known as "slim hole" construction allowable only for private and reasonable domestic use and not for irrigation intended by this application. Should the well fail and need to be replaced, the replacement well will need to be constructed in accordance with well construction standards for irrigation use.

Condition No. 2 requires the well to be valved and the flow reduced to the amount needed or to a minimum when not being used. DENR interprets this to mean that the well needs to be controlled when the dugout is full to the amount needed by the well owner Mr. Rob Poeppel for his domestic use.

Report to the Chief Engineer
Water Permit Application No. 8334-3
Gettysburg Country Club
April 25, 2018

Water Permit Application No. 8334-3 for Gettysburg Country Club c/o Kris Nafziger proposes to appropriate water at a maximum instantaneous diversion rate of 0.18 cubic feet per second (cfs) from an existing flowing well completed into the Inyan Kara aquifer that flows into a dugout for the irrigation of 13.05 acres. The well is located in the SW $\frac{1}{4}$ NE $\frac{1}{4}$ Section 24-T118N-R76W on land not owned by the applicant near the north edge of Gettysburg in Potter County, SD. Water Right No. 5901-3 authorizes a maximum diversion rate from surface water runoff into the same dugout located in the center of the N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 24 for the irrigation of 0.7 acres of golf greens located in the E $\frac{1}{2}$ SW $\frac{1}{4}$ and the W $\frac{1}{2}$ SE $\frac{1}{4}$ Section 24; all in T118N-R76W. This application, if approved, and Water Right No. 5901-3 will authorize a total diversion rate of 0.44 cfs for the irrigation of 13.05 acres from a dugout filled by both runoff and groundwater.

Aquifer: Inyan Kara (INKR)

Aquifer Characteristics

The Inyan Kara is a large regional geologic group that underlies portions of South Dakota, North Dakota, Wyoming, and Nebraska. The Inyan Kara aquifer consists of the permeable and porous portions of the Lower Cretaceous aged Inyan Kara Group. The Inyan Kara Group is composed of a sequence of interbedded sandstones, siltstones and mudstones contained in the Lakota Formation, and the overlying Fall River Formation (Martin et al., 2004). For the purpose of appropriations, the Water Management Board and the DENR-Water Rights Program has considered the permeable and porous portions of the Inyan Kara Group a single aquifer.

In an examination of geology in Walworth County (borders Potter to the north), Hedges (1987) noted that well drillers in the area typically utilize older geologic nomenclature in describing area geology and under the older nomenclature the Inyan Kara Group would be referred to as Sundance. In examining the water resources of Walworth County Kume and Howells (1987) identify the Inyan Kara and Sundance as separate aquifers. Hedges (1987) does not note the Sundance as being different from the Inyan Kara. In this area the DENR-Water Rights Program has historically interpreted the Sundance to be part of the Inyan Kara aquifer following the geology of Hedges (1987) (Water Rights, 2018b). Hedges et al. (1982) indicates the Inyan Kara aquifer underlies all of Potter County and estimates about 7,543,200 acre-feet of water in storage in Potter County.

The well completion report for this application reports that "Sundance" was encountered from 2195 to 2400 feet below grade. The well at the time of completion (May 2013) had a closed in pressure of 38 psi and was capable of free flowing at 75 gallons per minute. A review of this

well log indicates that the well was constructed in accordance with Administrative Rule of South Dakota (ARSD) 74:02:04:36 for alternative well construction for Inyan Kara wells, otherwise known as “slim hole” well construction. “Slim hole” construction is a less expensive well construction that does not require the casing to be grouted from the top of the aquifer to the ground surface. This method of construction is allowable for private and reasonable domestic use and for noncommercial livestock only. This well construction is considered more likely to fail since the success of this type of well construction is dependent upon the shale above the production aquifer sloughing off and filling and sealing the drill hole annulus outside the casing in order to (1) prevent movement of high-pressure production aquifer water outside the casing, (2) prevent movement of other aquifer water, mud, or silt into the production aquifer, or (3) prevent movement of other aquifer water between aquifers. However, a review of the information provided with this application indicates that this well was originally drilled for private and reasonable domestic use or for noncommercial livestock only, and that the water that is not being put to this use is what runs into the dugout and is used for irrigation at the golf course. However, should this well need to be replaced while still serving as a well for irrigation use requiring a water permit, the alternative construction of ARSD 74:02:04:36 could not be used for the replacement well.

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 the 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 existing rights from the aquifer that are pertinent to this application.

Water Availability

Water Permit Application No. 8334-3 proposes to appropriate water from the Inyan Kara aquifer for irrigation use. The probability of unappropriated water being available from an 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.” If the source of the water is older or lower than the Greenhorn Formation and the application is for a water distribution system defined pursuant to SDCL 46-1-6 (17), the Board need not consider the recharge/withdrawal issue. Here, the Inyan Kara aquifer is older or lower than the Greenhorn Formation, however a water distribution system is not involved, therefore the withdrawal/recharge issue must be considered.

Hydrologic Budget

Recharge

The average annual recharge to the Inyan Kara aquifer in its entirety has not been quantified. However, using data from 1950-1998 the precipitation component of the recharge from the Black Hills outcrop area in South Dakota was estimated to be 11,600 acre-ft per year by Driscoll and Carter (2001). This estimate was only for the outcrop area located in South Dakota, so there may be additional precipitation recharge to the Inyan Kara aquifer from outcrops in other states. The well site for this application is located approximately 170 miles from the nearest area of Inyan Kara outcrop. Locally in adjacent Walworth County, Kume and Howells (1987) note potential for recharge to the Inyan Kara from underlying aquifers, and groundwater inflow from the west.

Discharge

In north central South Dakota discharge from the aquifer is from well withdrawals, uncontrolled flowing wells, flow between aquifers where wells have failed, groundwater outflow, and natural leakage to other bedrock aquifers (Kume and Howells, 1987).

Farmer (2018) recently estimated average annual withdrawals from the Inyan Kara aquifer in South Dakota to be 10,451.2 acre-feet per year including an application currently undergoing public notice. The estimate of Farmer (2018) was based on updating the estimate of Buhler (2012) which based a water use estimate on: (1) annual water use reported in the latest public water system survey for municipal, rural water system, and suburban housing development appropriations where applicable; (2) calculated annual use based on permitted animals and rates of 20 gallons per day (gpd) for beef cattle, 5 gpd for swine, 15 gpd per 100 turkeys, and 9 gpd per 100 chickens for large confinement operations permitted by the DENR; (3) irrigation questionnaire reporting for irrigation permits when available; (4) the most current water use reported for non-irrigation appropriations that are required to report, and (5) assuming unreported water rights/permits limited to an annual volume will be used to the maximum and water rights/permits limited by diversion rate will be used 60% of continuous pumping at the maximum diversion rate for their annual use period.

For a local prospective the water use for water rights/permits completed into the Inyan Kara aquifer in Potter County are summarized in Table 1. Average annual use for the Inyan Kara water rights/permits in Potter County is also presented in Table 1. Estimates assume that water rights/permits limited by maximum instantaneous diversion rate historically use less than 60% of the permitted diversion rate annually, and water rights/permit limited by an annual volume are assumed to use the full annual volume (Water Rights, 2018b). Water Right No. 703-3 for the City of Gettysburg is identified as being for the Dakota aquifer (Water Rights, 2018b). But there is some well information on file with the Water Rights Program that indicates well depth in relation to land surface that indicates the potential for an Inyan Kara well or to have had an Inyan Kara well at one time (Water Rights, 2018c). However, Gettysburg obtains its drinking water from the Mid-Dakota Rural Water (Drinking Water Program, 2017). Municipalities connected to

rural water systems are not typically expected to use much or any water from their wells. There is some limited well information on file with the Water Rights Program (Water Rights, 2018c).

Table 1: Summary of Water Rights Currently Authorized to Appropriate Water from the Inyan Kara aquifer (Water Rights, 2018b)

Permit No.	Name	Status	Use	Rate (cfs)	Estimated water use (acre feet per year)
5001-3	KEITH A. EIDAM	LC	COM & DOM	0.1	43.4
5682-3	RANDY HARER	LC	COM & DOM	0.2	86.9
7034-3	VOGEL & SAUTNER FARMS	LC	COM	0.123	53.4
7209-3	PAUL OBERLITNER	LC	COM	0.04	17.4
Total					201.1
COM- commercial, LC-licensed, , DOM-domestic,					

There are a large number of completion reports for domestic wells completed into the Inyan Kara aquifer that are on file with the Water Rights Program (Water Rights, 2018c). The current status of these domestic wells is unknown and could range anywhere from controlled and in use to uncontrolled with some beneficial use. There are also a number of uncontrolled flowing Inyan Kara wells that flow to waste. The volume of water flowing to waste from the Inyan Kara aquifer has not and will likely never be quantified. The issue of water availability in relation to uncontrolled flowing wells has been considered by the Water Management Board in relation to the Dakota aquifer, and the Board has historically found water being discharged without beneficial use from uncontrolled flowing wells is not considered an appropriation pursuant to SDCL 46-6-3.1 (Water Rights, 1987 and 2010). Therefore, water flowing from uncontrolled flowing wells should be available for capture and use by appropriate users.

Hydrologic Budget

SDCL 46-5-6 typically limits irrigation appropriations to not exceeding two acre feet annually for each acre of land. This application, if approved, is estimated to have an average annual use of less than 26.1 acre-feet. This results in an estimated average annual withdrawal from the Inyan Kara being less than 10,477.3 acre-feet per year. When compared to just the estimated precipitation recharge to the outcrop in South Dakota of 11,600 acre-ft per year, estimated average annual recharge exceeds estimated average annual withdrawals.

Observation Well Data

In determining the availability of unappropriated water for a permit application Administrative Rule 74:02:05:07 requires the Water Management Board to rely on 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 annual recharge.

The Water Rights Program monitors nine observation wells completed into the Inyan Kara aquifer; eight of which are located in and around the Black Hills. The nearest observation well to the well for this application is ED-85B located about 65 miles to the northeast. The hydrograph for this observation well is shown in Figure 1. Due to the distance between the well

for this application and observation well ED-85B, ED-85B may not be reflective of local conditions in the aquifer in the area of the well site for this application. Winter (1994) presented water level information for a stock well completed into Inyan Kara, “Sundance,” and Minnelusa aquifers located about 10 miles north of the well for this application. The hydrograph for that well is shown in Figure 2. Both of these hydrographs show declining artesian head pressure. Similar to the Dakota aquifer the Inyan Kara is likely still in the process of reaching a new equilibrium in relation to withdrawals and uncontrolled flowing wells. The cause of the dips in the hydrograph for ED-85B between 2008 and 2012 is unknown. Buhler (2016) also discussed that declining artesian head pressure in the Dakota aquifer could be driving increased leakage from the Inyan Kara aquifer to the Dakota aquifer, and the Inyan Kara aquifer is also likely still in the process of equilibrating to this.

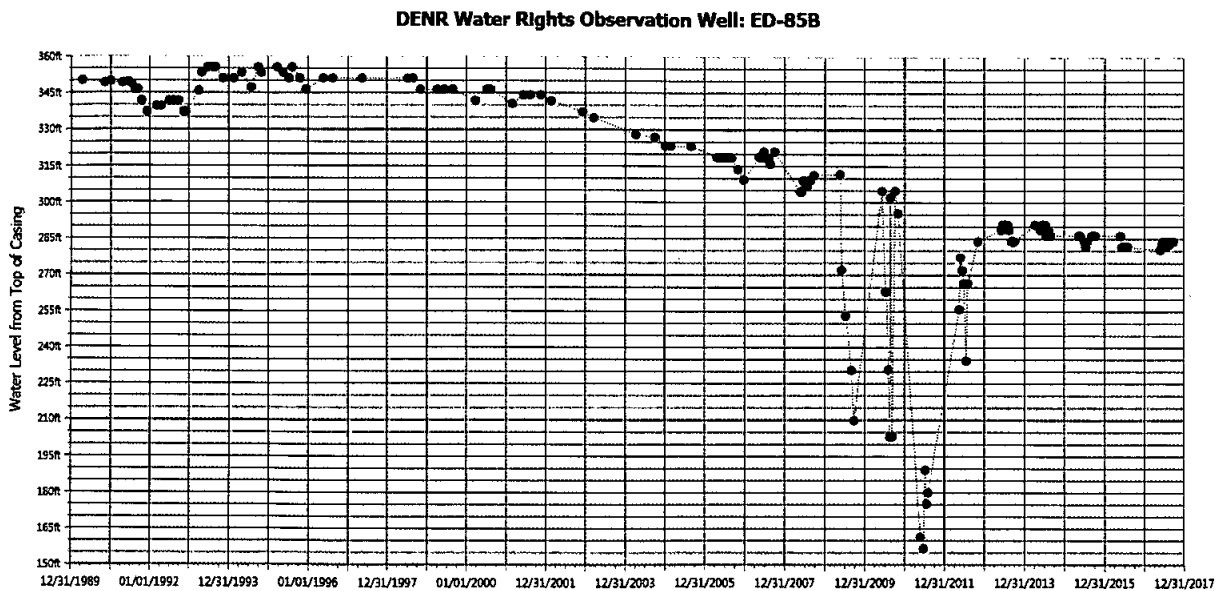


Figure 1: Hydrograph of observation well ED-85B (Water Rights. 2018a)

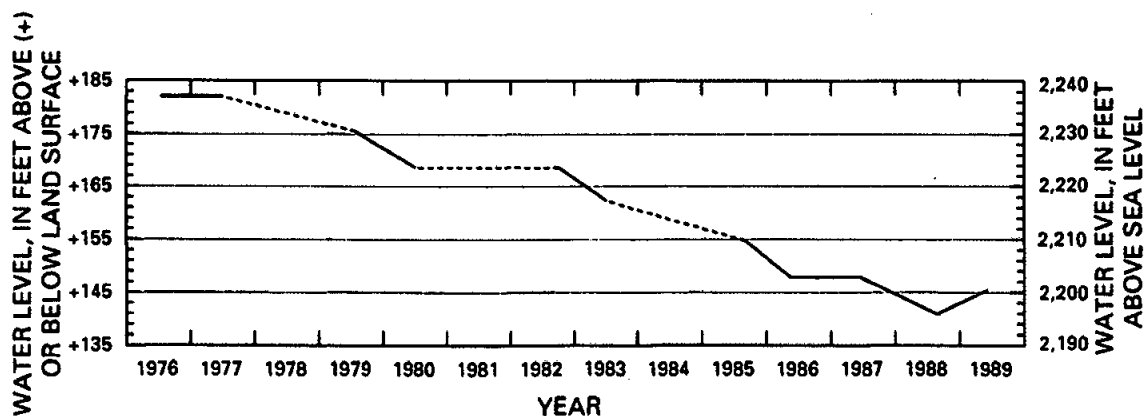


Figure 2: Hydrograph for a stock well in Potter County in the Inyan Kara, “Sundance,” and Minnelusa aquifers (Winter, 1994)

Existing Water Rights

Figure 3 shows area water rights/permits currently authorized to appropriate water from the Inyan Kara aquifer in the area of this application, and these Water Rights are summarized in Table 2. Within one mile of this application the only likely Inyan Kara wells with well information on file with the Water Rights Program are for the City of Gettysburg (Water Rights, 2018c). However, since the availability of well completion records prior to the mid-1980s is limited and the exact location of domestic wells are not verified there could be additional Inyan Kara wells in the area. But due to the proximity of the well site to the City of Gettysburg, the number of these wells (if any exist) for use for household drinking water is likely limited.

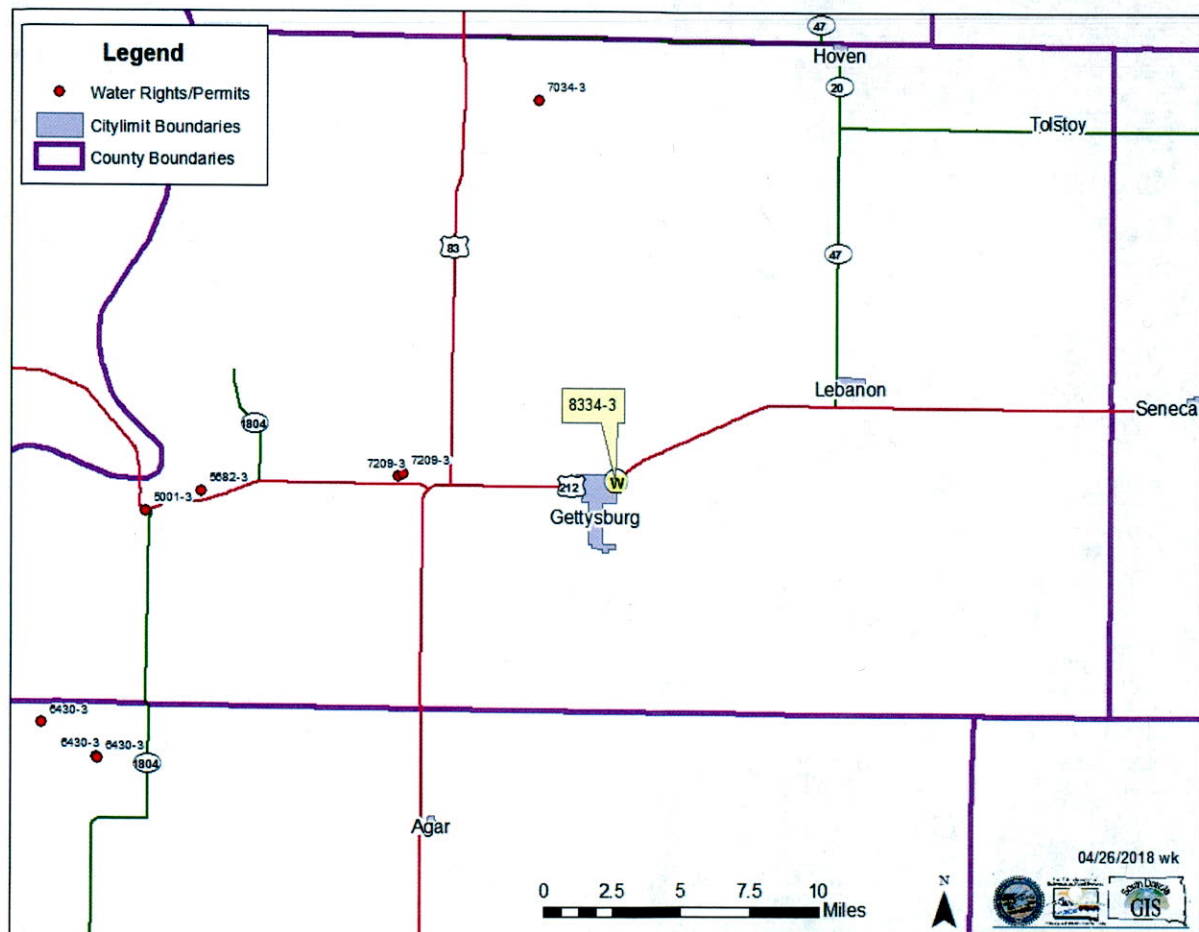


Figure 3: Water rights in the area of the well for this application currently authorized to appropriate water from the Inyan Kara aquifer (Water Rights, 2018b)

Table 2: Summary of Water Rights Shown in Figure 3 (Water Rights, 2018b)

Permit No.	Name	Status	Use	Rate (cfs)
5001-3	KEITH A. EIDAM	LC	COM & DOM	0.1
5682-3	RANDY HARER	LC	COM & DOM	0.2
6430-3	SUTTON BAY GOLF LLC	LC	FWP & REC	0.04
7034-3	VOGEL & SAUTNER FARMS	LC	COM	0.123
7209-3	PAUL OBERLITNER	LC	COM	0.04
COM- commercial, LC-licensed, , DOM-domestic,				

The Inyan Kara aquifer is an artesian aquifer in this area, and due to the physics of artesian head pressure, the effects of a flowing well on artesian head pressure may extend a considerable distance from the flowing well. The exact impacts of this application on the artesian head pressure in the area are unknown without aquifer testing. However, this is an after the fact application, and there does not appear to be a record of complaints related to this well. Given the amount of artesian head pressure in the lower portion of the Inyan Kara aquifer at this well location (in excess of 2,195 feet) and the relatively low diversion rate requested by this application, this permit, if approved, would not be expected to adversely impact adequate wells in the area. Administrative Rule of South Dakota (ARSD) 74:02:04:20 (6) defines an adequate well as “a well constructed or rehabilitated to allow various withdrawal methods to be used, to allow the inlet to the pump to be placed not less than 20 feet into the saturated aquifer or formation material when the well is constructed, or to allow the pump to be placed as near to the bottom of the aquifer as is practical if the aquifer thickness is less than 20 feet.” However, it should be noted that due to expense, many domestic Inyan Kara wells in the area are likely of “slim hole” style construction and therefore would not meet the definition of an adequate well.

The Water Management Board has promulgated rules that allow water to be placed to maximum beneficial use without the necessity of maintaining artesian head pressure for domestic use. The Board has defined an adversely impacted domestic well as “a well in which the pump intake was set at least 20 feet below the top of the aquifer at the time of construction or, if the aquifer is less than 20 feet thick, is as near to the bottom of the aquifer as is practical and the water level of the aquifer has declined to a level that the pump will no longer deliver sufficient water for the well owner's needs.” In the case of Water Permit Application No. 2313-2 for the Coca-Cola Bottling Company of the Black Hills the Water Management Board adopted findings that noted that if the increased costs or decreased production as a result of the impacts of legitimate users on artesian head pressure could be considered an adverse impact it would conflict with SDCL 46-1-4 (Water Rights, 1995). SDCL 46-1-4 requires the water resources of the state be put to beneficial use to the maximum extent of which they are capable (Water Rights, 1995).

Additional Considerations

Recent water rights/permits that involve flowing wells typically include a qualification of some type to limit the amount of water that flows to waste (Water Rights, 2018b).

Conclusions

1. Water Permit Application No. 8334-3 for Gettysburg Country Club proposes to appropriate water at a maximum instantaneous diversion rate of 0.18 cfs from an existing flowing well completed into the Inyan Kara aquifer that flows into a dugout for the irrigation of 13.05 acres.
2. Water Right No. 5901-3 authorizes a maximum diversion rate from runoff into a dugout located in the center of the N $\frac{1}{2}$ SE $\frac{1}{4}$ Section 24 for the irrigation of 0.7 acres of golf greens located in the E $\frac{1}{2}$ SW $\frac{1}{4}$ and the W $\frac{1}{2}$ SE $\frac{1}{4}$ Section 24; all in T118N-R76W. This application, if approved, and Water Right No. 5901-3 will authorize a total diversion rate of 0.44 cfs for the irrigation of 13.05 acres from a dugout filled by both runoff and groundwater.
3. Based on the hydrologic budget, there is a reasonable probability that unappropriated water is available from the Inyan Kara aquifer for this application.
4. There is a reasonable probability the diversion proposed by this application from the Inyan Kara aquifer can be made without adversely impacting existing appropriative users of the Inyan Kara aquifer or domestic users of the Inyan Kara aquifer with adequate wells.


Whitney Kilts

SDDENR-Water Rights Program

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RECEIVED

JUN - 4 2018

WATER RIGHTS
PROGRAM

Notice of application to appropriate water

NOTICE OF APPLICATION NO.
8334-3 to Appropriate Water

Notice is given that Gettysburg Country Club, c/o Kris Nafziger, PO Box 115, Gettysburg SD 57442 has filed an application for a water permit to appropriate 0.18 cubic feet of water per second (cfs) from a well to irrigate 13.05 acres. Currently, Gettysburg Country Club holds Water Right No. 5901-3 appropriating 0.17 cfs from runoff into a dugout located in the center of the N 1/2 SE 1/4 Section 24 to irrigate 0.7 acres (golf greens) located in the E 1/2 SW 1/4 and the W 1/2 SE 1/4 Section 24; all in T118N-R76W. This application proposes to authorize flow from an existing well completed into the Inyan Kara Aquifer (2,600 feet deep) located in the SW 1/4 NE 1/4 Section 24-T118N-R76W into the existing dugout authorized by Water Right No. 5901-3 for irrigation of 13.05 acres located in the area described above. Water will be diverted from the dugout at a maximum rate of 0.44 cfs and applied to the golf course. This application, if approved, and Water Right No. 5901-3 will authorize a total diversion of 0.44 cfs for irrigation of 13.05 acres from both surface runoff and groundwater.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8334-3 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 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 May 21, 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 \$34.55

-051018

Affidavit of Publication

STATE OF SOUTH DAKOTA,
COUNTY OF POTTER, ss.

I, Lacey Johnson being first duly sworn, on oath

says, that she is the bookkeeper of the POTTER COUNTY NEWS, a
weekly newspaper published in Gettysburg, County

of Potter, and has full and personal knowledge of all the facts
herein stated; that said newspaper is a legal newspaper and has
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; that the

Notice of application to appropriate water

Gettysburg Country Club

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 each week for 1

successive weeks, on the day of each week on which said
newspaper was regularly published to-wit:

May 10, 2018

That the full amount of the fees for the

publication of the annexed notice is \$34.55

Lacey Johnson

Subscribed and sworn to before me this ____ 16th ____

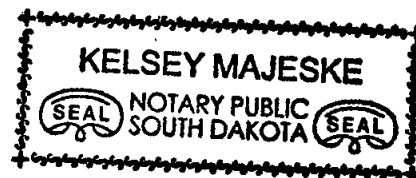
day of ____ May ____, 2018

Kelsey Majeske

Kelsey Majeske, Notary Public

State of South Dakota

My commission expires September 17, 2018



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County of Hughes) SSI, Marylinn Baker

certify that the attached printed Notice was taken

from the Capital Journalprinted and published in PierreCounty of Hughes and

state of South Dakota. The notice was published

in the newspaper on the following date:

5-10-18

Cost of Printing

\$35.84

Marylinn Baker
(Signature)

Business Office Asst.
(Title)

5-11-18

(Date Signed)

PHAXLP18030

1000 5710

NOTICE OF APPLICATION NO. 8334-3 to Appropriate Water

Notice is given that Gettysburg Country Club, c/o Kim Natziger, PO Box 115, Gettysburg SD 57442 has filed an application for a water permit to appropriate 0.18 cubic feet of water per second (cfs) from a well to irrigate 13.05 acres. Currently, Gettysburg Country Club holds Water Right No. 5901-3 appropriating 0.17 cfs from runoff into a dugout located in the center of the N 1/2 SE 1/4 Section 24 to irrigate 0.7 acres (golf greens) located in the E 1/2 SW 1/4 and the W 1/2 SE 1/4 Section 24, all in T118N-R76W. The application proposes to authorize flow from an existing well completed into the Inyan Kara Aquifer (2,600 feet deep) located in the SW 1/4 NE 1/4 Section 24-T118N-R76W into the existing dugout authorized by Water Right No. 5901-3 for irrigation of 13.05 acres located in the area described above. Water will be diverted from the dugout at a maximum rate of 0.44 cfs and applied to the golf course. This application, if approved, and Water Right No. 5901-3 will authorize a total diversion of 0.44 cfs for irrigation of 13.05 acres from both surface runoff and groundwater.

Pursuant to SDCL 46-24-2, the Chief Engineer recommends APPROVAL of Application No. 8334-3 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 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 May 21, 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

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Public Notice

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. Pinner,
Secretary,
Department of Environment
and Natural Resources

Published once at the total
approximate cost of \$35.84.

Schlaak, Karen

From: Schlaak, Karen
Sent: Tuesday, May 01, 2018 8:23 AM
To: legals@capjournal.com
Subject: 8334-3, Gettysburg Country Club
Attachments: 8334-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on May 10, 2018.

Gettysburg Country Club, c/o Kris Nafziger, PO Box 115, Gettysburg SD 57442, (605 769-1774) 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, May 01, 2018 8:22 AM
To: pcnews@pottercountynews.com
Subject: 8334-3, Gettysburg Country Club
Attachments: 8334-3public.short.docx; FORM8.FRM.doc

Attached is a notice to be published on May 10, 2018.

Gettysburg Country Club, c/o Kris Nafziger, PO Box 115, Gettysburg SD 57442, (605 769-1774) has been notified to contact you to authorize publication and arrange for payment.

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

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.**

May 1, 2018

Gettysburg Country Club
c/o Kris Nafziger
PO Box 115
Gettysburg SD 57442

Dear Mr. Nafziger:

Water Permit Application No. 8334-3 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 Potter County News printed at Gettysburg SD (Ph # 605-765-2464) and the Capitol Journal printed at Pierre SD (Ph # 605-224-7301). 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.

c: Rob Poeppel, 16343 311th Ave, Gettysburg SD 57442

NOTICE OF APPLICATION NO. 8334-3 to Appropriate Water

Notice is given that Gettysburg Country Club, c/o Kris Nafziger, PO Box 115, Gettysburg SD 57442 has filed an application for a water permit to appropriate 0.18 cubic feet of water per second (cfs) from a well to irrigate 13.05 acres. Currently, Gettysburg Country Club holds Water Right No. 5901-3 appropriating 0.17 cfs from runoff into a dugout located in the center of the N 1/2 SE 1/4 Section 24 to irrigate 0.7 acres (golf greens) located in the E 1/2 SW 1/4 and the W 1/2 SE 1/4 Section 24; all in T118N-R76W. This application proposes to authorize flow from an existing well completed into the Inyan Kara Aquifer (2,600 feet deep) located in the SW 1/4 NE 1/4 Section 24-T118N-R76W into the existing dugout authorized by Water Right No. 5901-3 for irrigation of 13.05 acres located in the area described above. Water will be diverted from the dugout at a maximum rate of 0.44 cfs and applied to the golf course. This application, if approved, and Water Right No. 5901-3 will authorize a total diversion of 0.44 cfs for irrigation of 13.05 acres from both surface runoff and groundwater.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 8334-3 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 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 May 21, 2018.

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

JUN 14 2018

Gettysburg Country Club
c/o Kris Nafzinger
PO Box 115
Gettysburg SD 57442

Dear Mr. Nafzinger:

Enclosed is Water Permit No. 8334-3 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,


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

enclosures

Note: Qualification No. 4 requires reporting the amount of water withdrawn from the Inyan Kara Aquifer into the dugout. In January each year, you will receive a letter requesting the amount of water diverted from the well into the dugout. Please maintain the appropriate records. You will still receive an irrigation questionnaire in October each year for reporting water use from the dugout as authorized under Water Right No. 5901-3.