

WATER PERMIT NO. 6225-3

Name of Applicant: Hiawatha Golf Club

Address: PO box 262, Canton SD 57013 Phone: 606 366-9008

Amount of Water Claimed: 0.67 cfs Total Acres: 58

Source of Water Supply: groundwater (one well)

Water to be used for: irrigation County: Lincoln

Type of Waste Disposal System:

Location: 1 1/2 miles east of Canton

PRIORITY Date Received: 2-28-13 Application/License Fee: \$ 700

Corrected Application Received: Period of Annual Use: March 1 - December 15

Remarks: Originally applied for July, 2000. Put on hold at applicants request.

Diversion Point: SE 1/4 SE 1/4 Sec 18-T98N-
R48W

Land to be Irrigated: S 1/2 SE 1/4, NE 1/4 SE 1/4
Sec 18-T98N-R48W

Depth of Well: 95 feet deep

Well Driller: Thein Well

Remarks:

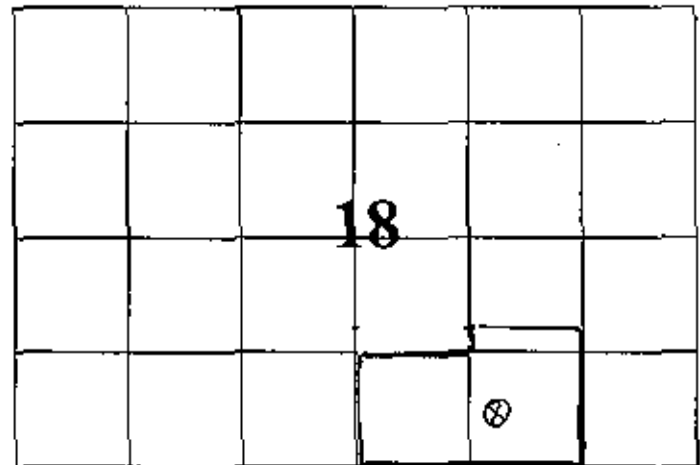
Type of Map: aerial

Prepared by:

Reviewed and the Number Assigned on: 2-28-13

By: Karen Schlaak

Notice of Hearing - date to intervene: _____



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FEB 28 2013

WATER RIGHTS
PROGRAM

Mail to: PMB 2020 DENR - Water Rights 523 E Capitol Ave Pierre, SD 57501-3182 ph. (605) 773-3352	No. <u>6225-3</u>	(office use only) Hydrologic Unit <u>10170203</u>
	Basin <u>Sioux River</u>	
	Newspaper <u>Sioux Valley News</u>	
	<u>Argus Leader</u>	

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 Hawatha Golf Club
 (check one) ☐ Owner ☒ Tenant/lessee ☐ Owner's Legal Agent _____
 (name and complete address if different than above name)
- Mailing Address PO Box 262 Carlton SD 57013
 (Address) (City) (State) (Zip Code)
- Home Phone 605-987-2474 Cell 605-366-9000 Email KSEILERS89@gmail.com
2. Amount of water claimed 0.67 *CFS or 300 **GPM ***AF Total Acreage 58
 (*Cubic Feet per Second) (**Gallons per Minute) (***) Acre Feet - storage capacity of dam/dugout or annual use if applicable)
3. Source of water supply Ground water
4. Location of point of diversion 1 well in SE 1/4 SE 1/4 of 98-48-18 at approx.
 (example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R51W)
Lat 43.302454 Long. -96.652748 County Lincoln
5. County or counties where water will be used Lincoln
6. Annual period during which water is to be used March 1 - December 15
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>NE 1/4 SE 1/4</u>	<u>5</u>		
<u>SE 1/4 SE 1/4</u>	<u>30</u>		
<u>SW 1/4 SE 1/4</u>	<u>23</u>		

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

Drill well to supplement water right # 5363-3

1. Kelly Eilers, the applicant, certify that I have read this application, have examined the attached map, and that the matters stated are true.

**SOUTH DAKOTA
WATER PERMIT NO. 6225-3**

Date of first receipt of application July 26, 2000.

Date of applicant requested the application be put on hold October 26, 2000.

Date of receipt of corrected application February 28, 2013.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 6225-3 to Hiawatha Golf Club, c/o Kelly Eilers, PO Box 262, Canton SD 57013 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. 6225-3 appropriates 0.67 cubic feet of water per second (cfs) from one well to be completed into the Big Sioux:South Aquifer (95 feet deep) located in the SE 1/4 SE 1/4 Section 18 for irrigation of 58 acres located in the S 1/2 SE 1/4, NE 1/4 SE 1/4 Section 18; all in T98N-R48W. Water from the well will be diverted to a dugout prior to being applied to the land. Water Right No. 5363-3 authorizes diversion of 0.41 cfs from this dugout for irrigation of 29 of the same acres. The permit holder is authorized an increase the diversion rate to 1.45 cfs from the dugout to a combined total of 58 irrigated acres.
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: March 1 – December 15.
3. The date from which applicant may claim right is February 28, 2013.
4. The date of approval of Permit No. 6225-3 is May 20, 2013.
5. One-fifth of the construction is to be completed on or before November 20, 2015.
6. All construction is to be completed on or before May 20, 2018.
7. Water is to be put to beneficial use on or before May 20, 2022.
8. Water rights obtained in compliance with the laws of the State of South Dakota may not be unlawfully impaired by this appropriation.

QUALIFICATIONS

1. The 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 authorized by Permit No. 6225-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.

(continued)

3. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Permit No. 6225-3 authorizes a maximum diversion rate from the dugout of 1.45 cfs for the irrigation of a combined total of 58 acres under Water Right No 5363-3 and Water Permit No. 6225-3 with an annual volume not to exceed 2 acre feet of water per acre per year.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

WATER MANAGEMENT BOARD

By: Jeanne Goodman

Jeanne Goodman, Chief Engineer

Water Rights Program

Department of Environment and Natural Resources

MAY 20 2013

date



Supplemental Information

(type or print)

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

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

b) If existing wells, how many Provide copy of log(s), if available. Drilled by

c) Well Depth 95' Depth to Top of Water Bearing Material 75' Depth to Water from Surface 30'

d) Distance to nearest existing domestic well:

On applicant's property On property owned by others

2. Wastewater Disposal System Information

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

b) System Capacity (gallons) Year Constructed

c) Connected to the City of Sanitary System

3. Dugout Information

a) Surface Dimensions Depth

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

4. Water Storage Dams

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

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

b) Freeboard

c) Crest Width

Crest Length

d) Height

e) Primary Outlet Capacity

If pipe, diameter

f) Secondary Spillway Capacity

Spillway Width

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

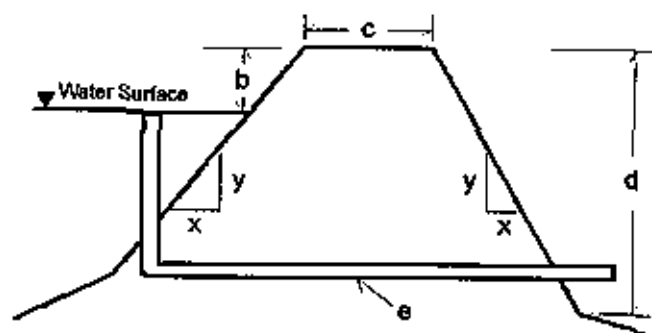
Upstream

Downstream

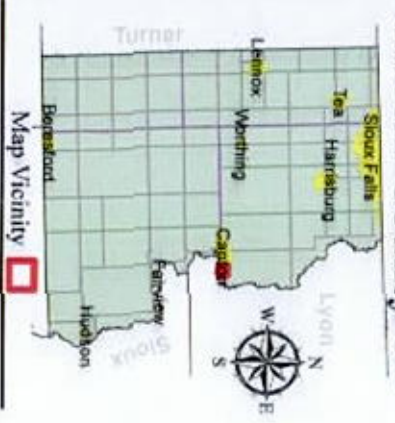
h) Surface Area of Impoundment

i) Storage Acre Feet

j) Drainage Area Above Dam Acres



Lincoln County SD



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- Road Centerline
- City Limits
- Parcel Boundary
- Water Course
- Main Channel
- Tributary
- Local Collector



Geographic Information Services
Map Updated: 2/15/2013



RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

No 416595

Pierre,

July 28, 2000

RECEIVED OF Hiawatha Golf Club, P.O. Box 262, Canton, SD 57013
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. 6225-3 to Appropriate Water, to construct
and to put water to beneficial use _____

150 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. 6225-3 _____

50 00

Fee for Filing Transfer Form _____

Fee for Filing Extension Request _____

Fee for _____

(Any Other Work Provided by Law)

Total

200 00

By

Chief Engineer

Harland Ellis

RECEIPT

WATER RIGHTS PROGRAM

South Dakota Department of Environment and Natural Resources

Date 2/28, 2013

RECEIVED OF Kiawatha Golf Club PO Box 262 Canton SD 57013

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

Fee for Application for Permit No. <u>6625-3</u> to appropriate water, to construct and to put water to beneficial use	350	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>6625-3</u>	150	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	500	00

No. 06187

By [Signature]
Chief Engineer



THEIN WELL

P.O. BOX 778, 11355 HWY. 71 NE (ACROSS FROM MINOC LAKE)
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www.theinwell.com • E-mail: theinwell@tds.net

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TEST HOLE - HIAWATHA GOLF CLUB - 1/8/13			
FORMATION	COLOR	FROM	TO
DIRT	BLK	0	6"
CLAY	YLW	6"	10'
CLAY	GRAY	10'	75'
SAND & GRAVEL		75'	95'
HARD CLAY		95'	160'
SANDY CLAY		160'	175'
CLAY	GRAY	175'	180'

CLARA CITY, MN 56222 (320) 847-3207 • MONTICELLO, MN 56362 (763) 271-4200 • ROCHESTER, MN 55906 (507) 298-6564

MEMBER
NGWA

CERTIFIED MASTER WATER WELL CONTRACTOR
Equal Opportunity Employer

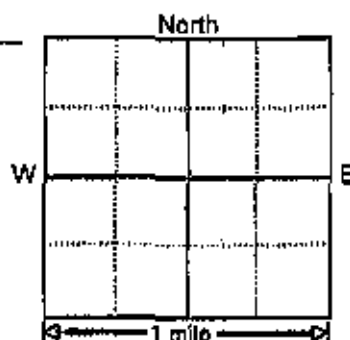
MEMBER
AWWA

SD EForm - 1622LD V1

SOUTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location NW 1/4 SE 1/4 Sec 18 Twp 46N Rg 48W

County Lincoln

Please mark well
location with an "X"

Plugging Completion Date 01-08-13

Well Owner:

Name: Hixson Golf Course

Address: 2400 E 5th St

City, State, Zip: Canton, SD 57013

Comments:

CHECK APPROPRIATE BOX

EXISTING WELL ☐TEST HOLE ☒

Well depth _____

Hole depth 180'

Casing material _____

Hole size 4"

Casing size(s) _____

Casing condition _____

Describe plugging procedure:

tremie piped

Describe grout or plugging material:

Volsay grout

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Type of non-slip plug: _____

This well or test hole was plugged under license # 4115 and this report is true and accurate.

Drilling firm: TWC

Signature of Licensed Representative: _____

Signature of Well Owner: _____

Date: _____

Gronlund, Eric

From: Gronlund, Eric
Sent: Monday, March 04, 2013 9:34 AM
To: kjeilers89@gmail.com
Subject: Hiawatha Golf Course water permit application

Kelly – based on our phone conversation, DENR has amended the application to include the maximum diversion rate from the dugout to the land is 650 gpm.

Also, you indicated the golf club may want to drill the well prior to spring thaw to minimize damage to the course. That would be prior to the water permit being in place. The golf club may request to drill a "test well" which is the cased well prior to the permit being in place. If you wish to do so, please let us know. The request would go to Ken Buhler, Water Rights Program, DENR, 523 E Capitol Avenue, Pierre SD 57501. Authorization to drill a test well prior to obtaining the water permit is not a guarantee that the permit will be granted.

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

(Type or print)

Mail to: Water Rights Program Joe Foss Building 523 E Capitol Pierre, SD 57501-3181 (605) 773-3352	(office use only)	
	No. _____	Hydrologic Unit _____
	Basin _____	
	Newspaper _____	



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.) _____

- Name of Applicant Hiawatha Golf Course Phone 987-2474
 Mailing Address PO Box 262 Canton State SD 57013
 (Check one) ☒ Owner ☐ Tenant/lessee
 (Street, RR, or Box and City) (Zip Code)
- Amount of water claimed 150 ^{*CFS or} ^{**GPM} ^{***AF} Total Acreage _____
 (*Cubic Feet per Second) (**Gallons per Minute) (**Acre Foot - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply Ground Water
- Location of point of diversion (example - 3 wells in SW 1/4 NE 1/4 section 12-T104N-R33W) 1 well in the NE 1/4
SE 1/4 18-98-48 (SE4 SE4 NE4 SE4 - 18-98-48)
 County Lincoln
- County or counties where water will be used Lincoln
- Annual period during which water is to be used March 10 - November 25
- 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>Acreages As in</u>			
<u>Water Rights # 5363-3</u>			

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

drill well to fill irrigation pond.

STATE OF SOUTH DAKOTA) SS

County of Lincoln

Attachments: Attach Form 2A if diversion is from a well or dugout, or if storage of water is proposed. Attach map and any other technical information. (see instructions)

 I, Kelly Eilers, the applicant, certify that I have read this application, have examined the attached map and that the matters stated are true and that I intend, and am able to complete the necessary construction.
Applicant's signature Kelly EilersSubscribed and sworn to before me this 24th day of July, 2000
 Notary Public signature Terry Fitzke

08/23/00 FRI 11:37 FAX 005 770 1089

SD/DENR

Supplemental Information

Form 2A

(Complete applicable portions only)

(type or print in ink)



1. Well Information - Proposed Construction

- a) Drill Hole Diameter 8" Depth 130'
- b) Casing Type PVC Schedule 80 PVC Diameter 8" Thickness 1/2" sch. 80
- c) Screen Type Stainless Steel Diameter 5" Thickness 7/8"
- d) Gravel Pack Silica Sand Length of Gravel Pack 30'
- e) Depth to Top of Water Bearing Material 105'-110'
- f) Depth to Water (ground surface to water level) 60' +/-
- g) Distance to nearest existing domestic well:

On applicants property ~~0~~ 0 0On property owned by others < 1/2 mile

2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) _____
- b) System Capacity (gallons) _____ Year Constructed _____
- c) Connected to the City of _____ Sanitary System _____

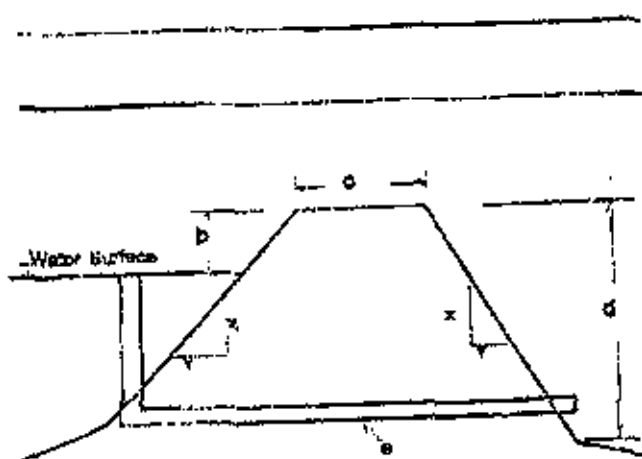
3. Dugout Information

- a) Surface Dimensions _____ Depth _____
- b) Depth to water (ground surface to water level) _____

4. Water Storage Dams

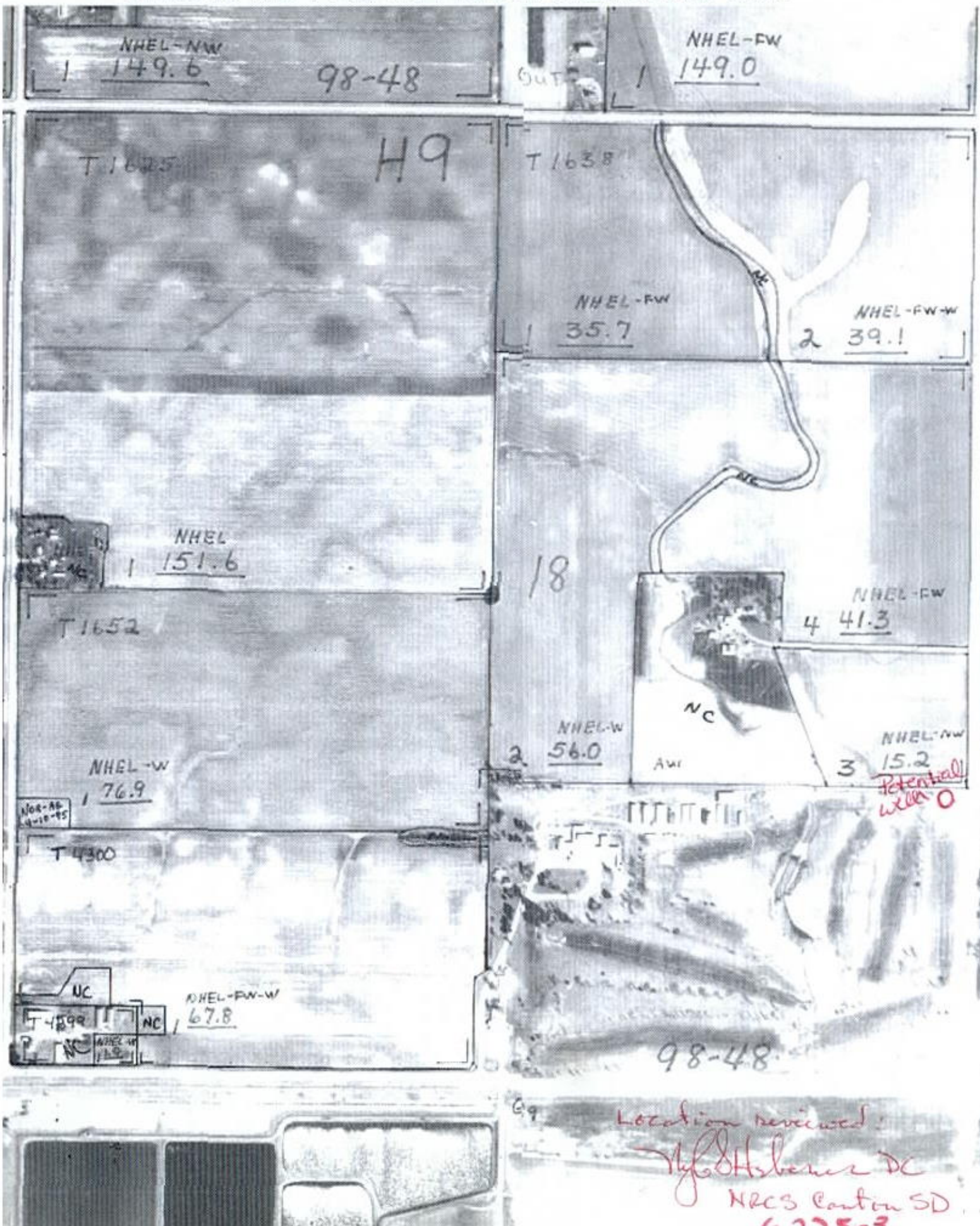
If the proposed water use system contains one or more storage dams, please furnish the information requested below for each dam. The locations of the dams need to be shown on the map submitted with the application.

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



- b) Freeboard _____
- c) Crest Width _____
Crest Length _____
- d) Height _____
- e) Primary Outlet Capacity _____
If pipe, diameter _____
- f) Secondary Spillway Capacity _____
Spillway Width _____
- g) X & Y Slope _____
Upstream _____
Downstream _____
- h) Surface Area of Impoundment _____
- i) Storage _____ Acres Feet
- j) Drainage Area Above Dam _____ Acres

MAP NOT TO SCALE
THIS IS NOT AN OFFICIAL WETLAND MAP



WATER RIGHTS DIVISION
JOE FOSS BUILDING
523 E. CAPITAL
PIERRE, SD 57501-3118

Dear DENR:

7-11-00

I am writing to you for permission to drill test wells for irrigation purposes. The well will be used to pump water into our dugout. For your information our permit # for that dugout is 5363-3. The springs are not filling it up, so we need another source to fill it up.

I am in the process of filling out my application for a new permit, but can't finish w/out test well to know how deep, where, or how much my well will produce.

Thank You,
Kelly Eilers

Hiawatha Golf Club
PO Box 262
Canton, SD 57013





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

July 14, 2000

Kelly Eilers
Hiawatha Golf Club
PO Box 262
Canton, SD 57013

Dear Mr. Eilers:

As requested, pursuant to South Dakota Well Construction Standard 74:02:04:21, Hiawatha Golf Club is authorized to construct a test well prior to approval of a water permit. The test well is to be completed into the Big Sioux aquifer in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 18, T98N-R48W. The test well must be constructed in accordance with the SD Well Construction Standards. Any test holes that are abandoned must be plugged pursuant to the SD Well Construction Standards.

Very truly yours,



JAMES A. GOODMAN, P.E.
Natural Resources Engineer
for GARLAND ERBLE, Chief Engineer
Water Rights Program
(605) 773-3352

Water Rights Program - DENR
Conversation File Documentation

NAME OF PERSON OR FILE: Hiawatha Golf Course – Application No. 6225-3

ADDRESS: COUNTY: Lincoln

DATE: July 31, 2000 TELEPHONE: (605) 987-4309

RE: Discussion with Kelly Eilers

COMMENTS:

Mr. Eilers returned my phone call regarding the recently filed application for the golf course. He stated that water from the well would be diverted directly to the irrigation pond/dugout prior to being applied to the land.

Water from the pond/dugout is diverted from the dugout at a rate of 1.03 cfs (460 gpm) to irrigate the 29 acres. Originally, Water Right No. 5363-3 was issued for 0.41 cfs (184 gpm) based on the statutory limit of 1 cfs per 70 acres. They continue to divert at a rate of 460 gpm from the dugout. Mr. Eilers indicated that because they have a limited amount of time to operate the system, they need to apply water at the 460 gpm rate.

They are also in the process of drilling a test hole.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: Eric Aronson



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6225-3, *Hiawatha Golf Course***

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. 6226-3, Hiawatha Golf Course, c/o Kelly Eilers, P.O. Box 262, Canton, SD 57013.

The Chief Engineer is recommending APPROVAL of Application No. 6225-3 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 authorized by Permit No. 6225-3 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:28.
3. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Permit No. 6225-3 authorizes a maximum diversion rate of 1.03 cfs from the dugout authorized by Water Right No. 5363-3 for the irrigation of 29 acres with an annual volume not to exceed 2 acre feet of water per acre per year.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

Garland Erbele, Chief Engineer
October 20, 2000

REPORT ON WATER PERMIT APPLICATION NO. 6225-3
for Hiawatha Golf Course
September 6, 2000

Application No. 6225-3 proposes to appropriate 0.334 cfs (150 gpm) from one well approximately 130 feet deep located in the NE 1/4 SE 1/4 of section 18 to irrigate 29 acres located in the NE 1/4 SE 1/4, S 1/2 SE 1/4 of section 18; all in T98N R48W in Lincoln County. Water from the well will be diverted to a dugout prior to being applied to the land. Water Right No. 5363-3 authorizes diversion of 0.41 cfs from this dugout for irrigation of the same acreage. Currently, this application also seeks to increase the authorized diversion to 1.03 cfs from the dugout to the land. This diversion rate is in excess of one cfs for each 70 acres set forth by state law, however; pursuant to SDCL 46-5-6 this may be allowed provided the method of irrigation, time constraints on diversion of water, or the type of soil so requires.

AQUIFER - SHINDLER (SCH)

The Shindler is a buried outwash (sand and gravel) which is under confined or artesian conditions at this site. In all likelihood, the Shindler is hydraulically connected to the Big Sioux South aquifer in this area (Niehus, 1998). Ground water movement is from north to south toward the Big Sioux aquifer and Big Sioux River (Niehus, 1994). The Shindler underlies 130 square miles and contains an estimated 390,000 acre feet of water in storage in Lincoln County (Niehus, 1994).

The test hole log filed with Water Right No. 5363-3 indicates the aquifer top (sand) was encountered at a depth of 104 feet and extended to a depth of 130 feet below land surface. Overlying the aquifer was clay from the surface to a depth of 30 feet with gravel from 30 to 49 feet followed by silts from 49 to 80 feet, sand from 80 to 88 feet and clay from 88 to 104 feet below land surface.

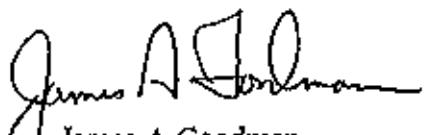
The Water Rights Program monitors an observation well completed into this same sequence of sand located about one mile east of this application. This is observation well LN-80N. Water levels for this well show good correlation with climatic conditions, that is, rising water levels during wet years and gradually declining water levels during dry years. A hydrograph of this observation well is included with this report. The water level record indicates that the aquifer is capable of sustaining additional withdrawals (Water Rights, 2000).

REVIEW OF EXISTING WATER PERMITS/RIGHTS

There are no other nearby permits or rights which obtain water from the Shindler water source. Under Water Right No. 5363-3, the golf course had originally intended to construct a well into the Shindler but did not complete a well and the permit was licensed for the dugout. Interference is not a concern. Drawdown created by pumping is not expected to be significant at the requested diversion rate of 0.33 cfs.

CONCLUSIONS

1. Water is available from the Shindler aquifer.
2. The aquifer is confined and under artesian conditions at this site. Drawdown will be created by pumping but should not be significant at this pumping rate. Interference is not a concern.
3. The well authorized by this application must be constructed in accordance with SD Well Construction Standards.
4. This application will increase the diversion rate authorized by Water Right No. 5363-3 to 1.03 cfs from the dugout to the land. This increase is in excess of one cfs for each 70 acres, however, this can be approved pursuant to SDCL 46-5-6 because the golf course has a limited amount of time to put water on the land. This portion of the application will have a new priority date and the permit will be limited to two acre feet per acre.

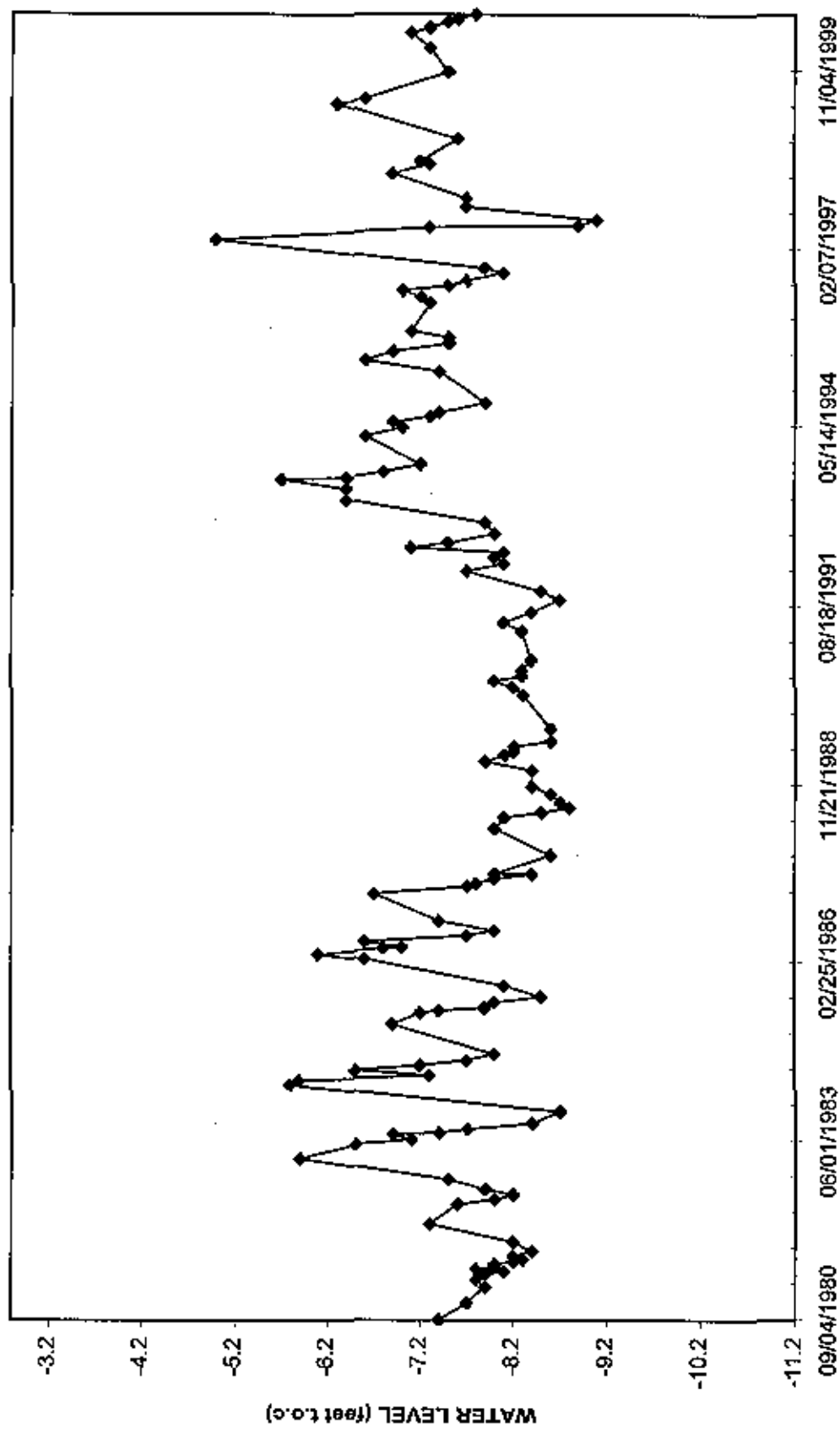


James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

- Niehus, C.A., R.F. Thompson, 1998, Appraisal of the Water Resources of the Big Sioux Aquifer, Lincoln and Union Counties, South Dakota, WRI 97-4161, USGS, Rapid City, SD, 57702.
- Niehus, C.A., 1994, Water Resources of Lincoln and Union Counties, South Dakota, WRI 93-4195, USGS, Rapid City, SD, 57702.
- Water Rights, 2000, Unpublished Observation Well Data for Lincoln County, SD DENR, DES, Water Rights Program, Pierre, SD, 57501.

WATER RIGHTS' OBSERVATION WELL
LN-80N



Schlaak, Karen

From: Grönlund, Eric
Sent: Thursday, October 26, 2000 1:46 PM
To: Schlaak, Karen; Goodman, Jim
Subject: Hiawath Golf Course - Application No. 6225-3

Kelly Eilers called to say their test drilling in the the ?Schindler Aquifer? did not show enough water to be worth their while. They are now planning to go to the Big Sioux Aquifer approx. 3/4 mile away. He will be sending a request to amend the application, proposed well construction and a map.

We'd just sent this out for public notice yesterday. Mr. Eilers was going to call the paper and specifically tell them not to publish.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

April 6, 2001

Hiawatha Golf Course
Kelly Eilers
PO Box 262
Canton SD 57013

Dear Mr. Eilers:

On July 26, 2000, you submitted an Application for Permit to Appropriate Water Within the State of South Dakota for irrigation of the golf course. Prior to publication of the Notice of *Hearing in November*, you *contacted us stating you did not wish to proceed with the application at that time.* You indicated that test drilling into the Shindler Aquifer found it to be an inadequate source of water.

What are your intentions regarding this application? If you plan to amend the application, we will need to know 1) the location of the well, 2) the enclosed Form 2A, Supplemental Information regarding the proposed well construction, and 3) submit an aerial photo showing the location of the new well location. The aerial photo must be signed by one of the following: Registered Land Surveyor, Registered Professional Engineer or by any other government employee who normally prepares maps as a part of his assigned duties (i.e. local NRCS office).

If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Water Rights Program
Phone: (605) 773-3352

enclosure



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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PIERRE, SOUTH DAKOTA 57501-3182
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Hiawatha Golf Course
Kelly Eilers
PO Box 262
Canton SD 57013

Dear Mr. Eilers:

On July 26, 2000, you submitted an *Application for Permit to Appropriate Water Within the State of South Dakota* for Hiawatha Golf Course. The application requested to appropriate 150 gallons per minute from a 130 feet deep well located in the Shindler Aquifer to be diverted to a dugout prior to application to the land. Water Right No. 5363-3 authorizes diversion from this dugout for irrigation of the golf course.

Prior to publication of the public notice, you contacted us stating you did not wish to proceed with the application. You indicated test drilling into the Shindler Aquifer found it to be an inadequate source of water. What is the current status of this project? Was any further test drilling completed?

Currently, the dugout is the only source of water authorized by Water Right No. 5363-3. Please let us know the status of this pending application.

If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Water Rights Program
Phone: (605) 773-3352

Water Rights Program - File Documentation

NAME: Kelly Eiler, Hiawatha Golf Course

ADDRESS: Canton

DATE: 4-16-2002 **COUNTY:** LN **TELEPHONE:** 605 987-4309

RE: Pending application

COMMENTS:

Kelly Eilers called regarding my April 12th letter. Mr. Eilers indicated they have not done any further test drilling. At this time, they will not be proceeding with the application, but that is not to say they may not sometime in the future.

I told Mr. Eilers we would hold the application and check with them in another year regarding it's status.



Karen Schlaak
Environmental Scientist



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 9, 2003

Hiawatha Golf Course
Kelly Eilers
PO Box 262
Canton SD 57013

Dear Mr. Eilers:

I am writing to inquire on the status of the *Application for a Permit to Appropriate Water* for the golf course submitted in July, 2001. Prior to publication of the Notice of Hearing in November, 2001, you contacted us stating you did not wish to proceed with the application at that time. Test drilling in the Shindler Aquifer found it to be an inadequate source of water. Last year you indicated the golf course would not be proceeding with the application at that time.

Does the golf course have any intentions of pursuing this application? If the application is withdrawn, the \$200 application/license fee can be refunded.

Currently, Water Right No. 5363-3 authorizes diversion from a dugout to irrigate the golf course. If you have any questions, please contact me.

Sincerely,

Karen Schlaak
Water Rights Program
Phone: (605) 773-3352

Water Rights Program - File Documentation

NAME: Kelly Eilers, Hiawatha Golf Course

ADDRESS: Canton

DATE: 1-14-2003 **COUNTY:** LN **TELEPHONE:** 605 987-4309

RE: Pending application

COMMENTS:

Kelly Eilers called stating he was aware they still had this pending application and would like it to remain on hold for the time being.

Karen Schlaak

Karen Schlaak
Environmental Scientist



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
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PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

May 12, 2006

Hiawatha Golf Club
c/o Kelly Eilers
PO Box 262
Canton SD 57013-0262

Dear Mr. Eilers:

Several years ago an *Application for Permit to Appropriate Water Within the State of South Dakota* was submitted for irrigation of the golf course from a well. At your request, the application has been on hold since that time.

Does the golf course have any intentions of pursuing this application in the near future? If not, the application should be withdrawn and the \$200 application/license fee can be refunded.

Currently, Water Right No. 5363-3 authorizes diversion from a dugout to irrigate the golf course. If you have any questions, please contact me.

Sincerely,

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



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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Hiawatha Golf Club
c/o Kelly Eilers
PO Box 262
Canton SD 57013-0262

Dear Mr. Eilers:

On July 26, 2000, you submitted an Application for Permit to Appropriate Water For Irrigation of the golf course from a well. At your request, the application has been on hold since that time.

Currently, the golf course holds Water Right No. 5363-3 to divert from a dugout to irrigate 29 acres of the golf course. Again, we are asking if the golf course has any intentions of pursuing this application for a well. If we do not hear from you within 30 days, we will consider the application withdrawn and refund the \$200 application/license filing fee.

Withdrawing the application does not prevent you from reapplying at some future date. If you have any questions, please contact me.

Sincerely,

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

Water Rights Program - File Documentation

NAME: Hiawatha Golf Club

ADDRESS: Canton SD

DATE: 7-2-07 **COUNTY:** LN **TELEPHONE:**

RE: Pending application

COMMENTS:

Kelly called from the Hiawatha Golf Club and indicated he would like the application to remain on file. He will talk with his board and get back to us. I told him at the time they proceed with the application, the application will receive that priority date.


Karen Schlaak
Environmental Scientist



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

September 11, 2009

Hiawatha Golf Course
c/o Kelly Eilers
PO Box 262
Canton SD 57013-0262

Dear Mr. Eilers:

Several years ago you submitted an *Application for Permit to Appropriate Water Within the State of South Dakota* for irrigation of the golf course from a well. The project proposed to divert water from a well to the dugout prior to being applied to the land (copy enclosed). Prior to the public notice, you contacted our office indicating the test drilling found the Shindler Aquifer an inadequate source of water. At your request, the application has been on hold since the fall of 2000.

Does the golf course have any intention of pursuing this application? If the application is withdrawn, the \$200 application/license filing fee can be refunded. Withdrawing the application does not prevent applying at some future date.

Please let us know the status of this project. 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

PMB 2020
JOE FOSS BUILDING
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PIERRE, SOUTH DAKOTA 57501-3182

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**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 6225-3, Hiawatha Golf 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. 6225-3, Hiawatha Golf Club, c/o Kelly Eilers, PO Box 262, Canton SD 57013.

The Chief Engineer is recommending APPROVAL of Application No. 6225-3 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 authorized by Permit No. 6225-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28.
3. Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints, or type of soils so requires, Permit No. 6225-3 authorizes a maximum diversion rate from the dugout of 1.45 cfs for the irrigation of a combined total of 58 acres under Water Right No 5363-3 and Water Permit No. 6225-3 with an annual volume not to exceed 2 acre feet of water per acre per year.
4. This Permit is approved subject to the irrigation water use questionnaire being submitted each year.

See report on application for additional information.

for 
Jeanne Goodman, Chief Engineer
April 26, 2013

REPORT TO THE CHIEF ENGINEER

WATER PERMIT APPLICATION NO. 6225-3

Hiawatha Golf Club c/o Kelly Eilers

March 28, 2013

Water Permit Application No. 6225-3 proposes to withdraw groundwater at a maximum diversion rate of 0.67 cubic feet of water per second (cfs) from one well to be completed into the South management unit of the Big Sioux aquifer. The well is expected to be 95 feet deep and is to be located in the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 18, T98N-R48W. Water will be used to irrigate 58 acres located in the S $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 18, T98N-R48W, in Lincoln County. Water from the well will be diverted to a dugout prior to being applied to the land. Water Right No. 5363-3 authorizes a maximum diversion rate of 0.41 cfs from this dugout for irrigation of 29 acres located in the S $\frac{1}{2}$ SE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 18, T98N-R48W. This water permit application also proposes to increase the maximum diversion rate from the dugout to 1.45 cfs, resulting in a diversion rate greater than the statutory limit.

AQUIFER: South management unit of the Big Sioux aquifer (BS:S)

GEOLOGY AND AQUIFER CHARACTERISTICS:

The test hole log submitted with the application documents sand and gravel from 75 to 90 feet below ground surface, with clay over and underlain. Translated to elevation, these aquifer materials occur from 1,185 to 1,170 feet mean sea level (msl).

In the area of the proposed well site, two layers of surficial aquifer materials are present, which is often separated by at least 20 feet of till (SD Geological Survey, 2013). The uppermost has been designated the Big Sioux: South aquifer, consisting of sand and gravel glacial outwash and river deposits (Niehus, 1997). The Big Sioux: South generally lies in the 1,250 to 1,200 feet msl elevation interval in the area of the proposed well site. The underlying deposit often contains green minerals and quartz, and generally lies in the 1,200 to 1,150 feet msl elevation interval (Geologic Survey, 2013). These green mineral deposits, which occur sporadically throughout eastern South Dakota, are western derived sands that have been reworked and redeposited with the glacial outwashes (Iles). The applicant proposes to divert water from this underlying deposit; the overlying deposit is not present in this area.

The underlying deposit was labeled the Pleistocene Series: Unnamed aquifer for Water Right No. 5383-3 for a proposed well that was not developed (Jorgensen, 1989). A previous report for this water permit application labeled this deposit the Shindler aquifer (Goodman, 2000).

Recently, test holes for the groundwater study for the Sioux Falls-Brandon area currently in preparation indicate that these two surficial deposits, while of different compositions, are likely in strong hydraulic connection and could in fact be part of the same aquifer, namely the Big Sioux: South (Geologic Survey, 2013; Iles). Additionally, a nearby observation well, LN-80N, is labeled as *monitoring water levels of the Big Sioux: South aquifer*, and is actually completed into this underlying deposit. This observation well documents similar water levels as other observation wells completed into the Big Sioux: South aquifer, demonstrating the expected

hydraulic connection (Water Rights, 2013a). Furthermore, Niehus (1997) documented in one test hole in the area of the proposed well site that the Big Sioux aquifer occurs in two layers. In conclusion, based on the best data reasonably available, these deposits are both the Big Sioux: South aquifer.

The Big Sioux: South aquifer is estimated to underlie 49,000 acres and contain 163,740 acre-feet of recoverable water in storage, lying throughout Lincoln, Minnehaha, and Union Counties generally under the floodplain of the Big Sioux River (Hedges and others, 1982; Niehus, 1997). The aquifer is hydraulically connected to the Shindler, Newton Hills, and Missouri aquifers as well as the Big Sioux River. Water in the aquifer generally flows southward and locally toward the river. The aquifer is primarily under water-table conditions, but can be confined locally (Niehus, 1997)

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 from the aquifer and the potential for impairment of existing rights.

WATER AVAILABILITY:

If this application is approved, the actual water use will likely be less than 116 acre-feet per year (ac-ft/yr). The probability of unappropriated water 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 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."

Hydrologic Budget:

Recharge:

Recharge to the Big Sioux aquifer occurs through infiltration of precipitation, from the Shindler aquifer upstream and the Newton Hills and possibly the Brule Creek aquifers downstream, and inflow from the Big Sioux River during wet years (Niehus, 1997). Hedges and others (1985) estimated recharge to the Big Sioux aquifer to be 2.7 to 6.9 inches per year (in/yr), which equates to 11,025 to 28,175 ac-ft/yr when applying the estimated area.

Discharge:

Discharge from the Big Sioux occurs through evapotranspiration where the aquifer is near land surface, outflow to the Big Sioux River during dry years, outflow to the down gradient Missouri: Elk Point aquifer, and well withdrawals (Niehus, 1997). There are currently 54 water rights/permits appropriating water and two future use permits reserving water from the Big Sioux: South aquifer. There is also one pending water permit application and one known water permit application being processed for this aquifer (Water Rights, 2013b).

The future use permits, Nos. 4002-3 and 6696-3, are all held by the City of Brandon, reserving a total of 1912.7 ac-ft from the aquifer (Water Rights, 2013b). Full development of future use permits is assumed.

The amount of water than can be expected to be withdrawn by the remaining non-irrigation use water rights/permits at the current appropriation amount can be estimated by assuming water rights/permits limited by an annual volume will pump the entire volume appropriated annually, and water rights/permits limited only by diversion rate will pump at the maximum permitted diversion rate 60 percent of the time. Several water rights are authorized to municipalities that are now on a rural water system and the water rights are maintained for stand-by purposes. To be conservative, use of these water rights is assumed. Water Right No. 4842-3 is for non-consumptive use, indicating no actual net withdrawal from the aquifer. Therefore, the total annual withdrawal from the Big Sioux: South aquifer by non-irrigation use is currently expected to be 7,231 ac-ft/yr (Water Rights, 2012b).

The irrigation development of the Big Sioux: South aquifer has remained fairly steady over the period of record, 1979 to 2011. The annual withdrawal from the aquifer fluctuates, which is probably mostly dependent on annual growing season climatic conditions. Figure 1 shows the total annual pumpage reported from this portion of the aquifer over the period of record. The average pumpage reported is 1,019 ac-ft/yr (Water Rights, 1980-2012).

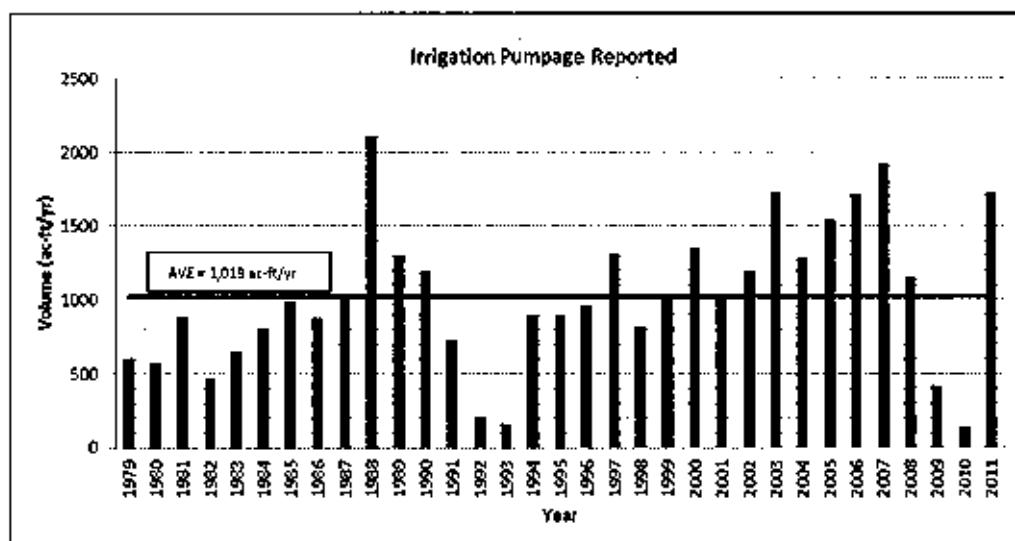


Figure 1: Historic irrigation water use from the Big Sioux: South aquifer (Water Rights, 1980-2012)

In addition, there are many well completion reports on file with the SD DENR-Water Rights Program for domestic wells that appear to be completed into the Big Sioux: South aquifer (Water Rights, 2013c). The withdrawal due to domestic use is not significant to the hydrologic budget.

Water Balance:

Total withdrawal from the Big Sioux: South aquifer is estimated to be 8,250 ac-ft/yr, while recharge is estimated to be at minimum 11,025 ac-ft/yr. Therefore, there is a reasonable probability that unappropriated water is available from the Big Sioux: South aquifer.

aquifer in this area dictate that drawdown due to pumping would probably not be significant far from the proposed well site (SD Geological Survey, 2013). The precise drawdown cannot be quantified without aquifer testing.

The Water Management Board has consistently recognized that to place water to maximum beneficial use a certain amount of drawdown may occur. However, reasonable domestic use must be assured before irrigation use is allowed. At the distances involved, a nearby adequate well defined by ARSD 74:02:20(7) is not expected to be adversely or unlawfully impaired.

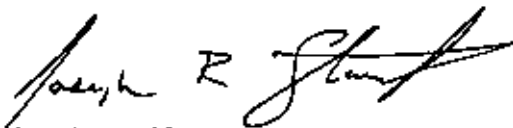
SDCL 46-5-6

Pursuant to SDCL 46-5-6, the diversion rate for an irrigation appropriation cannot be in excess of one cubic foot of water per second for every seventy acres, or "the equivalent thereof." The statute provides that the Water Management Board may allow a greater diversion if the method of irrigation so requires.

This water permit application proposes to divert at a rate of 1.45 cfs per 58 acres, equaling 1.75 cfs per 70 acres. The application indicates that the proposed diversion will be used to irrigate a golf course, not for typical agriculture use with a pivot system.

CONCLUSIONS:

1. The water permit application proposes to withdraw groundwater at a maximum diversion rate of 1.45 cfs from one well to be completed into the Big Sioux: South aquifer for the irrigation of 58 acres. Water will be first diverted to a dugout authorized by Water Right No. 5363-3 before applying to the land.
2. The proposed well will be completed in the underlying layer of the Big Sioux: South aquifer found in the area.
3. There is a reasonable probability that unappropriated water is available from the Big Sioux: South aquifer to supply the proposed appropriation.
4. There is a reasonable probability that this proposed diversion will not adversely or unlawfully impair existing nearby wells.
5. This application has requested an additional diversion rate in excess of one cfs per 70 acres to irrigate a golf course.


Joseph R. Stonesifer
SD DENR-Water Rights Program

Approved by


Ken Buhler
SD DENR-Water Rights Program

REFERENCES:

- Goodman, J.A. 2000. Report on Water Permit Application No. 6225-3, Hiawatha Golf Course. SD DENR-Water Rights Program. Joe Foss Bldg., Pierre, South Dakota.
- Hedges, L.S., S.L. Burch, D.L. Iles, R.A. Barari, and R.A. Schoon. 1982. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 1: Bedrock Topography and Distribution, Task 2: Extent of Aquifers, Task 3: Ground-Water Storage, Task 4: Computerized Data Base, Final Report. U.S. Army Corps of Engineers Contract DACW 45-80-C-0185.
- Hedges, L.S. J. Allen, and D.E. Holly. 1985. Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa, Task 7: Ground Water Recharge. South Dakota DENR-Geological Survey, Vermillion, South Dakota.
- SD Geological Survey. 2013. Lithologic Logs Database, South Dakota Department of Environment & Natural Resources Geological Survey, Vermillion, South Dakota.
- Iles, D. South Dakota State Geologist, SD DENR-Geological Survey. Personal communication. 27 March, 2013.
- Jorgensen, T.L. 1989. Report on Water Permit Application No. 5383-3, Hiawatha Golf Club. SD DENR-Water Rights Program. Joe Foss Bldg., Pierre, South Dakota.
- Niehus, C.A., Thompson, R.F., 1997, Major Aquifers in Lincoln and Union Counties, South Dakota: U.S. Geological Survey Water-Information Pamphlet 49. Vermillion, South Dakota.
- Water Rights, 1980-2012. "Irrigation Report Summaries." SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2013a. Observation Well Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2013b. Water Right/Permit Files, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.
- Water Rights. 2013c. Water Well Completion Reports, SD DENR-Water Rights Program, Joe Foss Bldg., Pierre, South Dakota.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

NOTE: TO BE SURE OF PUBLICATION ON
THE CORRECT DATE, CONTACT
THE NEWSPAPER(S) RIGHT AWAY.

April 29, 2013

Hiawatha Golf Club
Kelly Eilers
PO Box 262
Canton SD 57013

Dear Mr. Eilers:

Water Permit Application No. 6225-3 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 Sioux Valley News printed at Canton SD (Ph # 605-764-2000) and the Argus Leader printed at Sioux Falls SD (Ph # 605-331-2200). You will need to contact the newspaper(s) and authorize publication of this notice. For your information, a copy of the notice, the recommendation of the Chief Engineer and report on the application are enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper(s) to authorize publication of your Notice and to arrange for payment. Early contact with the paper(s) 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.



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

April 29, 2013

Argus Leader
PO Box 5034
Sioux Falls SD 57117

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 622S-3 to Appropriate Water. Please publish the notice once on May 9, 2013. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. Please **BILL** the **APPLICANT** for the cost of publication. The **APPLICANT** is Hiawatha Golf Club, c/o Kelly Eilers, PO Box 262, Canton SD 57013 (Ph # 605-987-2474).

Please send the Water Rights Program an affidavit or the enclosed Proof of Publication form immediately.

The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

Instruction to Newspaper - Publish the Notice on May 9, 2013. The applicant is responsible for payment. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352 or email: Karen.schlaak@state.sd.us.

NOTICE OF APPLICATION NO. 6225-3 to Appropriate Water

Notice is given that Hiawatha Golf Club, c/o Kelly Eilers, PO Box 262, Canton SD 57013 has filed an application for a water permit to appropriate 0.67 cubic feet of water per second (cfs) from one well to be completed into the Big Sioux/South Aquifer (95 feet deep) located in the SE 1/4 SE 1/4 Section 18 for irrigation of 58 acres located in the S 1/2 SE 1/4, NE 1/4 SE 1/4 Section 18; all in T98N-R48W. Water from the well will be diverted to a dugout prior to being applied to the land. Water Right No. 5363-3 authorizes diversion of 0.41 cfs from this dugout for irrigation of 29 of the same acres. The applicant also seeks to increase the diversion rate to 1.45 cfs from the dugout to a combined total of 58 irrigated acres. The applicant is requesting a diversion rate greater than the statutory limit.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6225-3 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. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. 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.

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 20, 2013.

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. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pirner, Secretary, Department of Environment and Natural Resources.

Published once at the total approximate cost of _____.



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

April 29, 2013

Sioux Valley News
PO Box 255
Canton SD 57013

ATTENTION: Legal Public Notice

Enclosed is a Notice on Application No. 6225-3 to Appropriate Water. Please publish the notice once on May 9, 2013. The text of the notice can be e-mailed to your paper by contacting Karen Schlaak at (605) 773-3352.

The applicant must verify to you that the notice is to be published and arrange for payment. Please **BILL the APPLICANT for the cost of publication.** The APPLICANT is Hiawatha Golf Club, c/o Kelly Eilers, PO Box 262, Canton SD 57013 (Ph # 605-987-2474).

Please send the Water Rights Program an affidavit or the enclosed Proof of Publication form immediately.

The applicant pays the cost of publication, but the Water Rights Program records require an affidavit or Proof of Publication. Delays in receiving the affidavit can be costly to the applicant.

Sincerely,

Eric Gronlund
Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

Affidavit of Publication

STATE OF SOUTH DAKOTA
COUNTY OF LINCOLN

ANDY WILCOX

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

DENR

Notice of Application NO 6225-3

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

May 9, 2013

that the full amount of the fees charged for publishing the same to-wit: the sum of \$27.08 inures solely to the benefit of the publishers of said newspaper; that no agreement or understanding for any division of this sum has been made with any other person; and that no part of said sum has been agreed to be paid to any person whomsoever.

Subscribed and sworn to before me this 9th day of May, 2013.

Notary Public, South Dakota

(Seal)



My Commission Expires
12/9/2014

RECEIVED

MAY 24 2013

WATER RIGHTS
PROGRAM

NOTICE OF APPLICATION NO.

6225-3 to Appropriate Water

Notice is given that Hiawatha Golf Club, c/o Kelly Eilers, PO Box 262, Canton SD 57013 has filed an application for a water permit to appropriate 0.67 cubic feet of water per second (cfs) from one well to be completed into the Big Sioux South Aquifer (95 feet deep) located in the SE 1/4 SE 1/4 Section 18 for irrigation of 58 acres located in the S 1/2 SE 1/4, NE 1/4 SE 1/4 Section 18, all in T98N-R48W. Water from the well will be diverted to a dugout prior to being applied to the land. Water Right No. 5363-3 authorizes diversion of 0.41 cfs from this dugout for irrigation of 29 of the same acres. The applicant also seeks to increase the diversion rate to 1.45 cfs from the dugout to a combined total of 58 irrigated acres. The applicant is requesting a diversion rate greater than the statutory limit.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6225-3 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. In accordance with SDCL 46-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. 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.

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, 323 E Capitol, Pierre SD 57501 (805 779-3352)" 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 20, 2013.

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. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Firmer, Secretary, Department of Environment and Natural Resources.

Published in the Sioux Valley News on May 9, 2013 at the total approximate cost of \$27.08.

CUSTOMER NUMBER:	078200	Argus Leader	P.O. Box 677349, Dallas, TX 75267-7349
AD ORDER NUMBER:	1414128		
	5/9, 2013		\$71.47 pd

Hiawatha Golf Club
% Kelly Eilers
PO Box 262
Canton, SD 57013

RECEIVED
MAY 13 2013
WATER RIGHTS
PROGRAM

DETACH THIS STUB AND RETURN WITH PAYMENT

PAYMENT DUE UPON RECEIPT

AFFIDAVIT OF PUBLICATION

Customer Number: 078200
Invoice Number: 1414128

**Argus Leader
AFFIDAVIT OF PUBLICATION**

STATE OF SOUTH DAKOTA

COUNTY OF MINNEHAHA } ss

Linda Schulte being duly sworn, says: That The Argus Leader is, and during all the times hereinafter mentioned was, a daily legal newspaper as defined by SDCL 17-2-21, as amended published at Sioux Falls, Minnehaha County, South Dakota; that affiant is and during all of said times, was an employee of the publisher of such newspaper and has personal knowledge of the facts stated in this affidavit; that the notice, order or advertisement, a printed copy of which is hereto attached, was published in said newspaper upon

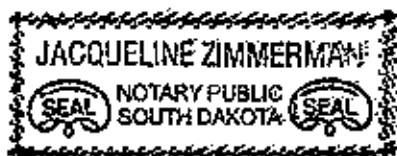
Thursday the 9 day of May 2013,
the day of 2013,
the day of 2013,
the day of 2013,
the day of 2013,
the day of 2013,
the day of 2013,

and that \$71.47 pd was charged for publishing the same

Linda Schulte
Subscribed and sworn to before me 5/9/2013

J. Zimmerman
Notary Public, South Dakota

My Commission expires December 22, 2015



**NOTICE OF APPLICATION
NO. 6225-3 to Appropriate
Water**

Notice is given that Hiawatha Golf Club, c/o Kelly Eilers, PO Box 262, Canton, SD 57013 has filed an application for a water permit to appropriate 0.67 cubic feet of water per second (cfs) from one well to be completed into the Big Sioux South Aquifer (55 feet deep) located in the SE 1/4 SE 1/4 Section 16 for irrigation of 58 acres located in the S 1/2 SE 1/4, NE 1/4 SE 1/4 Section 18, all in T8N-R48W. Water from the well will be diverted to a dugout prior to being applied to the land. Water Right No. 5363-3 authorizes diversion of 0.41 cfs from this dugout for irrigation of 28 of the same acres. The applicant also seeks to increase the diversion rate to 1.45 cfs from the dugout to a combined total of 58 irrigated acres. The applicant is requesting a diversion rate greater than the statutory limit. Pursuant to SDCL 45-2A-2, the Chief Engineer recommends APPROVAL of Application No. 6225-3 because 1) unappropriated water is available, 2) existing rights will not be unduly impaired, 3) it is a beneficial use of water, and 4) it is in the public interest. In accordance with SDCL 45-2A-23, the Chief Engineer will act on this application, as recommended, unless a petition is filed opposing the application or the applicant files a petition contesting the Chief Engineer's recommendation. 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.

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, Fees Building, 525 E Capitol, Pierre, SD 57501 (505) 775-3352" 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 20, 2013.

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. Contact Eric Gronlund at the above Water Rights Program address to request copies of information pertaining to this application. Steven M. Pinner, Secretary, Department of Environment and Natural Resources.

Published once at the total approximate cost of \$71.47, 1414128 May 9, 2013



DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

PMB 2020
JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE, SOUTH DAKOTA 57501-3182

denr.sd.gov

MAY 29 2013

Hiawatha Golf Club
Kelly Eilers
PO Box 262
Canton SD 57013

Dear Mr. Eilers:

Enclosed is Water Permit No. 6225-3 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

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

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

Sincerely,

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

enclosures

SD EForm - 1621LD V1

SOUTH DAKOTA WATER WELL COMPLETION REPORT

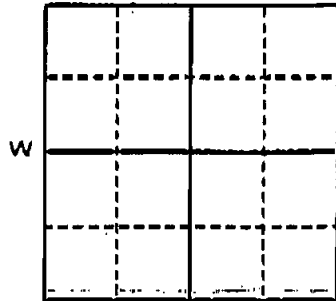
11-02

Location NW ¼ SE ¼ Sec 18 Twp ~~96N~~ Rg 48W

County Lincoln

North

Please mark well location with an "X"



Well Completion Date

06/26/13

1 Mile

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

50.0 ft. from septic (Identify source)

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary

CASING DATA:

If other describe

☐ Steel ☒ Plastic ☐ Other

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	8.00 IN	0.0 FT	75.0 FT	12.25 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
Bentonite	10	Lb/gal	0.0 Ft	71.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
tremie piped

SCREEN:

☐ Perforated pipe ☒ Manufactured
 Diameter 8.00 Inches Length 20.0 Feet

Material stainless steel

Slot Size .030 Slot From 75.0 Feet to 95.0 Feet

Other information

WAS A PACKER OR SEAL USED?

☐ Yes ☒ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? chlorinated

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

Well Owner: Hlawatha Golf Club

Business Name:

Address: 2400 E 5th St

City, State, Zip: Canton SD 57013

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Black top soil	0	6"
Yellow clay	6"	3'
Brown sand/rocks	3	5
Yellow clay	5	10
Blue clay-very hard, sticky	10	71
Blue/gray clay w/fine sand	71	95
Hard blue clay	95	98

STATIC WATER LEVEL 27.0 FEET

If flowing: closed in pressure

PSI

GPM flow through

Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe:

☐ Bailed

☐ Other

Pumping Level Below Land Surface

40.0 Ft. After 2.0 Hrs. pumped 250.0 GPM

Ft. After Hrs. pumped GPM

If pump installed, pump rate: GPM

REMARKS

RECEIVED

DEC - 4 2013

WATER RIGHTS
PROGRAMMarked to State
9/20/13

This well was drilled under license # 475 and this report is true and accurate.

Drilling firm: Thein Well Co., Inc.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date:

9-12-13

6225-3
RECEIVED

AUG - 5 2013

WATER RIGHTS
PROGRAMNOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE

Date

7-30-13

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

FROM:

Hawatha Golf Club

(name)

Po Box 262

(address)

Canton, SD 57013

(city, state, zip)

605-366-9008

(phone)

605-987-2474

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. 6225-3 states that the water use system is to be constructed by

May 20, 2018

(date)

, and water is to be put to beneficial use by

May 20, 2022

(date)

The water use system was completed on

July 30, 2013

(date)

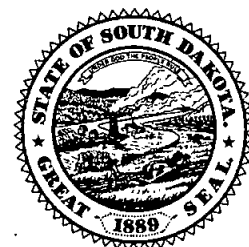
Applying the water to beneficial use was completed on

July 30, 2013

(date)

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

Kelly Eilers
(signature)





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
<http://denr.sd.gov>

August 5, 2013

6225-3

Kelly Eilers
Hiawatha Golf Club
PO Box 262
Canton SD 57013 0262

Dear Ms. Eilers:

I am writing to acknowledge receipt of the "Notice of Completion of Works" form that you sent in to let us know that Hiawatha Golf Club is completed with your irrigation system.

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

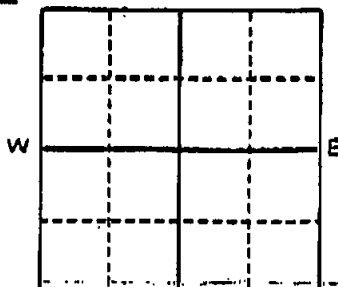
SD EForm - 1621LD V1

SOUTH DAKOTA WATER WELL COMPLETION REPORT

11-02

Location NW ¼ SE ¼ Sec 18 Twp 98N Rg 48WCounty Lincoln

North

Please mark well
location with an "X"

Well Completion Date

06/26/13

1 Mile

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
LB/FT	8.00 IN	0.0 FT	75.0 FT	12.25 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA:

Grout Type	No. of Sacks	Grout Weight	From	To
Bentonite	10	Lb/gal	0.0 Ft	71.0 Ft
		Lb/gal	Ft	Ft

Describe grouting procedure
tremie piped

SCREEN:

☐ Perforated pipe ☒ Manufactured
Diameter 8.00 Inches Length 20.0 FeetMaterial stainless steelSlot Size .030 Set From 75.0 Feet to 95.0 Feet

Other information

WAS A PACKER OR SEAL USED? ☐ Yes ☒ No

If so, what material?

Describe packer(s) and location

DISINFECTION: Was well disinfected upon completion?

☒ Yes, How? chlorinated☐ No, Why Not?Lab to which water
quality sample sent for analysis
owner to obtainWell Owner: Hlawatha Golf Club

Business Name:

Address: 2400 E 5th StCity, State, Zip: Canton SD 57013

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
Black top soil	0	6"
Yellow clay	6"	3'
Brown sand/rocks	3	5
Yellow clay	5	10'
Blue clay-very hard, sticky	10	71
Blue/gray clay w/fine sand	71	95
Hard blue clay	95	98

STATIC WATER LEVEL 27.0 FEET

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ Inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

Reduced flow rate _____ GPM

Can well be completely shut in?

WELL TEST DATA:

☒ Pumped Describe:☐ Bailed☐ Other

Pumping Level Below Land Surface

40.0 Ft. After 2.0 Hrs. pumped 250.0 GPM

Ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate: _____ GPM

REMARKS

RECEIVED

DEC - 4 2013

WATER RIGHTS
PROGRAM

Forwarded to State

9/30/13

This well was drilled under license # 475 and this report is true and accurate.Drilling firm: Thein Well Co., Inc.

Signature of License Representative:

Signature of Well Owner or Equitable Property Holder:

Date: 08.18.13

Permit No. 6225-3
Big Sioux River - Water District

Report of Examination of Works and/or Application of Water to Beneficial Use

TO: Chief Engineer, Water Rights Program, DENR, Foss Bldg., Pierre, SD 57501

I have this day, **October 16, 2013**, made a thorough examination of the water use system constructed by **Hiawatha Golf Club** of **PO Box 262, Canton, SD 57013** holder of Permit No. **6225-3**, bearing the priority of **February 28, 2013** authorizing the diversion of **0.67** cu. ft. per second of the waters of **Big Sioux: South aquifer** for **irrigation** purposes. Water is diverted to a dugout and blended with the waters of **runoff and springs**. Permit No. **6225-3** authorizes an additional diversion of **1.04** cu. ft. per second from the dugout. Water License No. 5363-3 authorizes the diversion of **0.41** cu. ft. per second from the dugout and the storage of **3.4** acre-feet of the waters of **runoff and springs** for **irrigation** purposes. The irrigation takes place in **Lincoln** County.

Inspection contact & relationship to permit holder, if applicable: **Kelly Eilers, Course Superintendent – 605.366.9008 or 987-2474**

A. Works used to divert the water:

Well Information:

- 1) Well Drilling Firm: **Thein Well Co. Inc.**
- 2) No. of Wells **1**
- 3) Depth(s) **98** feet
- 4) Well log is available **yes**
- 5) Comment: **completed 6/26/2013**

Casing:

- 1) Diameter **8** inches
- 2) Length **75** feet
- 3) Type **pvc**

Screen:

- 1) Type **Stainless steel**
- 2) Length **20** feet
- 3) Static water level **27** feet

Pump:

- 1) Make **Gould submersible**
- 2) Model **250L10**
- 3) Size **8"**
- 4) Capacity **300** GPM

Motor:

- 1) Make **Franklin submersible**
- 2) Model No.
- 3) Horsepower rating **10** hp

Dugout Information:

- 1) Maximum depth 15 feet
- 2) Dugout width 75 feet
- 3) Dugout length 300 feet
- 4) Approx. storage 3.4 ac-ft

Pump:

- 1) Make Gorman - Rupp
- 2) Model VG3C3-B
- 3) Capacity 650 GPM

Motor:

- 1) Make General Electric
- 2) Model No. 65BC02JP3
- 3) Horsepower rating 75 hp

B. Works used to transport water to place of use:**Well to the dugout:**

- 1) Type pvc
- 2) Size 6 inches
- 3) Length 250 feet

Distribution system to fairways and greens:

- 1) Type pvc
- 2) Size 2" - 4" inches
- 3) Length feet

C. Works used to apply water to beneficial use:**System Type:**

TORRO automatic sprinkler system. Run up to 14 sprinkler heads at a time at approximately 48-gpm each.

Chemigation Equipment:

- 1) Does chemigate No

D. Compliance with Permit Requirements:

- 1) Permit qualifications being abided by Yes
- 2) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period Yes
- 3) Exceptions to compliance are: none

The system is in good condition with the point(s) of diversion located as follows: well is located 490' N and 860' W (43.30227554, -96.55270509) and the diversion at the dugout is located 725' N and 930' W (43.30292912, -96.55296592); all from the SE corner Section 18-T98N-R48W. The works are capable of diverting and conveying to the place of use 1.45 cu. ft. per second of water and/or storing 3.4 acre-feet of water which is to be used for irrigation. Water has been put to beneficial use to the maximum extent as follows:

Section 18-T98N-R48W: 6225-3

NE¼ SE¼ 1 acres

SW¼ SE¼ 4 acres

SE¼ SE¼ 9 acres

Section 18-T98N-R48W: 5363-3

NE¼ SE¼ 4 acres

SW¼ SE¼ 11 acres

SE¼ SE¼ 14 acres

comprising a total of 43 acres of land and the license should be issued for 0.67 cfs from the well, 1.45 cfs from the dugout and 3.4 acre-feet of storage.

All structures, wells and lands on map yes

Comments or other permit(s) associated with the project:

Water Permit No. 6225-3 authorizes 0.67-cfs from one well for irrigation of 29 additional acres, priority date of February 28, 2013. The groundwater is pumped to a dugout. Water Right No. 5363-3 authorizes 0.41-cfs, from a 3.4 ac-ft dugout, of the waters of runoff and springs for irrigation of 29 acres, priority date of October 30, 1989. The water is blended in the dugout and then diverted for irrigation of the golf course at a max rate of 1.45-cfs or 650-gpm, authorized by 6225-3 and 5363-3. Total acres = 43.

Since the different water sources are blended in the dugout, Water Permit No. 6225-3 should be licensed and incorporated with Water License No. 5363-3 at 0.41-cfs and 29 acres with a priority date of October 30, 1989, and the remaining 1.04-cfs and 14 acres with a priority date of February 28, 2013. This priority date includes the 0.67-cfs from the well.



Lynn Beck

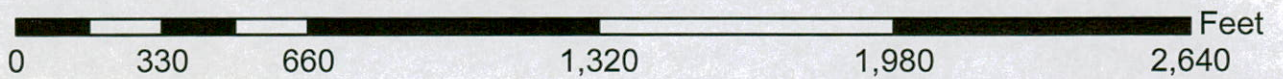
Natural Resources Engineer III
DENR, Water Rights Program

Date report completed: December 4, 2013

WATER LICENSE NO. 6225-3
HIAWATHA GOLF CLUB
December 4, 2013



SCALE



Lynn Beck

Lynn Beck
Natural Resources Engineer III
SD DENR - Water Rights Program



South Dakota
Department of Environment
& Natural Resources
Protecting SD's Tomorrow... Today



DEPARTMENT OF ENVIRONMENT
and NATURAL RESOURCES

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



MAY 02 2014

5363-3
6225-3

Kelly Eilers, Course Supt
Hiawatha Golf Club
PO Box 262
Canton SD 57013-0262

Dear Mr. Eilers:

Enclosed is Water License No. 6225-3. This is the final water right document completing your process of obtaining a Water Right. Included with the license is a map prepared by the staff engineer who conducted the field investigation.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the well authorized by Water Right No. 6225-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

Upon licensing, the applicable portions of Water Right No. 5363-3 were incorporated into Water License No. 6225-3. As long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Sincerely,

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

enclosures

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 6225-3

(1) Hiawatha Golf Club, PO Box 262, Canton SD 57013 made Application No. 6225-3, July 26, 2000 for a water permit to divert 0.67 cubic feet of water per second (cfs) from ground water (one well – Big Sioux South Aquifer), Lincoln County, South Dakota for irrigation purposes. Water from the well is diverted to a dugout prior to being applied to the land. Permit No. 6225-3 also authorized an increase of 1.04 cfs diversion rate when pumping from the dugout to the acreage.

Permit No. 6225-3, with a priority date of February 28, 2013 was approved May 20, 2013 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before May 20, 2018 and for the application to beneficial use of said water on or before May 20, 2022.

The Permit holder submitted a "*Notice of Completion of Works and Application of Water to Beneficial Use*" on August 5, 2013. The "*Notice*" stated the water use system was completed and the water placed to beneficial use on July 30, 2013.

Water Permit No. 5363-3, with a priority date of October 30, 1989, authorizes diversion of 0.41 cfs from a dugout (3.4 acre feet capacity) to irrigate 29 acres. The applicable portions of Water Right No. 5363-3 are incorporated into this water license. A priority date of October 30, 1989 is retained for 29 acres and a diversion rate of 0.41 cfs from the dugout. A priority date of February 28, 2013 is retained for 0.67 cfs from the well and 1.04 cfs when pumping from the dugout to the remaining developed 14 acres.

(2) It is certified that the permit holder has complied with the provisions of South Dakota State Law relating to completion of the construction of the water supply system and is entitled to divert 0.67 cubic feet of water per second from a well (described below) and 1.45 cubic feet of water per second from a 3.4 acre feet dugout (described below) for beneficial use.

The location of the diversion points are:

- well: 490 feet north and 860 feet west of the SE corner of Section 18, T98N, R48W (SE ¼ SE ¼);
- dugout: 725 feet north and 930 feet west of the SE corner of Section 18, T98N, R48W (SE ¼ SE ¼).

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

Section 18, T98N, R48W		Priority dates:
NE ¼ SE ¼	5 acres	October 30, 1989: 4 acres (5363-3) February 28, 2013: 1 acre (6225-3)
SW ¼ SE ¼	15 acres	October 30, 1989: 11 acres (5363-3) February 28, 2013: 4 acres (6225-3)
SE ¼ SE ¼	23 acres	October 30, 1989: 14 acres (5363-3) February 28, 2013: 9 acres (6225-3)
Total	43 acres	

continued

(4) Pursuant to South Dakota Water Law 46-5-30.1 Hiawatha Golf Club, PO Box 262, Canton SD 57013 the holder and/or owner of Incorporated Water Right No. 6225-3 is issued a license to appropriate water, the right to divert 0.67 cubic feet of water per second from ground water (one well – Big Sioux South Aquifer and 1.45 cubic feet of water per second from a 3.4 acre feet dugout with priority dates of October 30, 1989 and February 28, 2013 from the locations specified in (2) of this license for irrigation purposes.

This license is subject to South Dakota Water Law, any limitations or conditions listed in Incorporated Water Right No. 6225-3 and subject to the following qualifications:

- 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.
- The well authorized by Permit No. 6225-3 shall be constructed by a licensed well driller and construction of the well and installation of the pump shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted (bottom to top) pursuant to Section 74:02:04:28. *The well was completed in June, 2013 by Thein Well Company Inc. A copy of the log is on file with the Water Rights Program.*
- Pursuant to SDCL 46-5-6 which allows a greater diversion rate if the method of irrigation, time constraints or type of soils so requires. Permit No. 6225-3 authorizes a maximum diversion rate from the dugout of 1.45 cfs for the irrigation of a combined total of 43 acres (**based on developed acreage**) under Water Right No. 5363-3 and Water Permit No. 6225-3 with an annual volume not to exceed 2 acre feet of water per acre per year.
- This Permit is approved subject to the irrigation water use questionnaire being submitted each year.



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

MAY 02 2014

date





6225-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
PMB 2020
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3182
www.state.sd.us/denr

January 25, 2019

NOTICE

TO: HIAWATHA GOLF CLUB, CALEB RANSCHAU, SUPT, PO BOX 262, CANTON, SD 57013
0262

FROM: Ron Duvall, Natural Resources Engineer
for Jeanne Goodman, Chief Engineer
Water Rights Program 

SUBJECT: Reporting Requirement for 2018 Irrigation Questionnaire(s)

Our records indicate your 2018 Irrigation Questionnaire(s) has not been submitted for Permit No(s) 6225-3. The request for the Questionnaire was dated October 30, 2018. The Water Management Board has directed that owners of water permits who have not submitted the 2018 Irrigation Questionnaire(s) be given notice of permit violation and a hearing to be held by the Board. The hearing is to determine what action is to be taken for violation of Water Permit No(s) 6225-3 qualification:

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

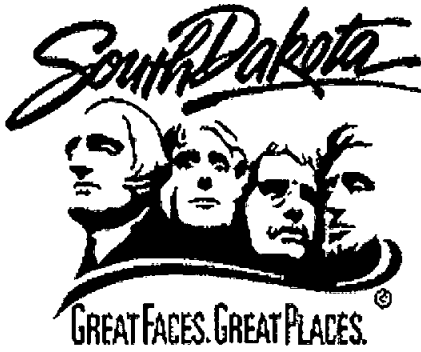
The hearing will be held at **Wednesday, March 6, 2019 at 10:30 am (Central Time)** in the Floyd Matthew Training Center, Joe Foss Building, 523 E Capitol Avenue, Pierre, SD and will be conducted pursuant to SDCL 46-1-12, 46-1-14, 46-2-9, 46-2-11 and 46-2-17. These are contested case hearings pursuant to Chapter 1-26. According to SDCL 46-1-12, the Board may suspend a permit for a period of up to one year for the first violation of a permit qualification or up to three years for a second violation, or cancel a permit for a third violation. Following the hearing, the Water Management Board can:

1. Suspend or cancel Permit No(s) 6225-3 in accordance with applicable provisions of SDCL 46-1-12;
2. Postpone any action; or
3. Take no action.

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

If the questionnaire(s) is (are) received in this office before the **March 6, 2019** hearing you will no longer be in violation of your permit and your name will be removed from the Board agenda. Enclosed are additional questionnaire(s) for your use. If you have questions or need assistance, please contact Genny McMath at (605) 773-3352 or email at genny.mcmath@state.sd.us. If you prefer, you can complete the questionnaire online at the following link: <http://denr.sd.gov/iq.aspx>

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



6225-3

DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

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

February 25, 2019

6225-3

Keith Engbrecht
PO Box 391
Marion SD 57043-0391

RE: Hiawatha Golf Club

Dear Mr. Engbrecht:

I am writing to acknowledge receipt of the 2018 irrigation questionnaire for the Hiawatha Golf Club.

You may disregard the January 25, 2019, "Notice" concerning reporting requirements for Water Right No. 6225-3. The information was received in our office prior to the Water Management Board meeting and your name has been deleted from the agenda.

Next year's mailing will go directly to you. If you have any questions, please contact me.

Sincerely,

A handwritten signature in cursive script that reads 'Genny McMath'.

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



**DEPARTMENT of AGRICULTURE
and NATURAL RESOURCES**

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

November 1, 2021

6225-3

Keith Engbrecht, Manager
Hiawatha Golf Club
27139 445th Ave
Marion SD 57043-5012

Dear Mr. Engbrecht:

Enclosed is a "Notice" dated October 22, 2021 concerning the 2021 irrigation questionnaire.

The notice was originally mailed to PO Box 391, Marion. The post office notified us that your address has changed, and I will update our records accordingly.

If you no longer are the contact person, please let me know. Thank you in advance.

Sincerely,

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

enclosures