

WATER PERMIT NO. 1664-1

Name of Applicant: **Buffalo Ridge Water Users Association**

Address: **HC 80, Box 657-25, Piedmont SD 57769**

Phone: **605 787-6775**

Amount of Water Claimed: **0.1 cfs (45 gpm)**

Total Acres: **NA**

Source of Water Supply: **groundwater (one existing well)**

Water to be used for: **suburban housing development**

County: **Meade**

Type of Waste Disposal System: **individual septic tanks and drain field**

Location: **4 miles east of Piedmont**

PRIORITY

Date Received: **3-16-98**

Fee: **\$50**

Corrected Application Received:

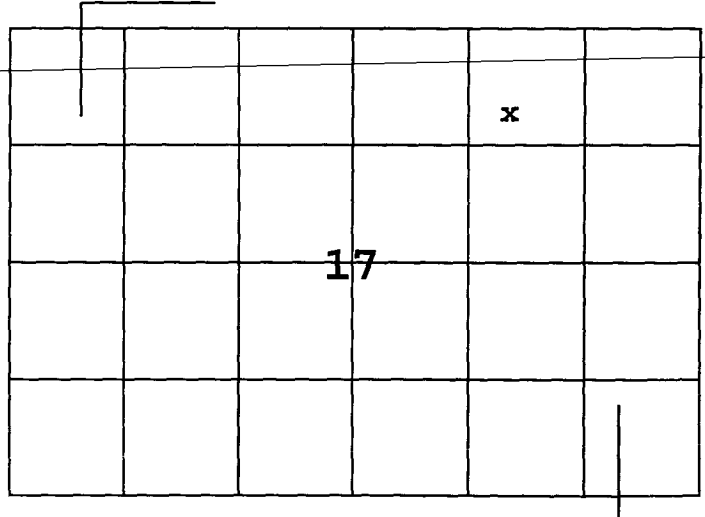
Period of Annual Use: **Jan 1 - Dec 31**

Remarks: **housing development has been existence for several years**

Diversion Point: **NE 1/4 NE 1/4**

Sec 17-T3N-R7E

Land to be Irrigated:



Depth of Well: **340 feet deep**

Well Driller: **Cimarron Drilling**

Remarks:

Type of Map: **aerial**

Prepared by: **Mark J Polenz, RLS**

Reviewed and the Number Assigned on: **3-16-1998**

By: **Karen Schlaak**

Notice of Hearing - date to intervene: _____

**SOUTH DAKOTA
WATER PERMIT NO. 1664-1**

Date of first receipt of application March 16, 1998.

The Chief Engineer, on behalf of the Water Management Board, issues Water Permit No. 1664-1 to Buffalo Ridge Water Users Association, HC 80 Box 657-25, Piedmont SD 57769 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. 1664-1 appropriates 0.10 cubic feet of water per second (45 gallons per minute) from one existing well (Inyan Kara Formation) 340 feet deep located in the NE ¼ NE ¼ (Lot 6) of Section 17-T3N-R7E.
2. The water appropriated shall be used for the purpose of supplying water to a suburban housing development and may not exceed the amount of water needed for beneficial use.
3. The water is to be used during the following described annual period: January 1 – December 31.
4. The date of approval of Permit No. 1664-1 is June 1, 1998.
5. The date from which applicant may claim right is March 16, 1998.
6. One-fifth of the construction is to be completed on or before December 1, 2000.
7. All construction is to be completed on or before June 1, 2003.
8. Water is to be put to beneficial use on or before June 1, 2007.
9. 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 this Permit shall be valved and the flow reduced to the amount needed. 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.

WATER MANAGEMENT BOARD

By: 
John Hatch, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

JUN 29 1998

date



FORM 2: Application for uses other than irrigation
(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. <u>1664-1</u> Hydrologic Unit <u>10/2011</u>
	Basin <u>Upper Chayenne</u>
	Newspaper <u>Mead Co. Times-Tribune, Sturgis, SD</u>



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

Check use(s) of water:

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

Type of Application: ☒ New ☐ Vested Right (Use predates Mar 2, 1955) ☐ Future Use Reservation
(check one) ☐ Place to Beneficial Use Water Reserved by Future Use Permit No. _____
☐ Amendment/Correction to Permit No. _____

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

- Name of Applicant Buffalo Ridge Water Users Association Phone 605-787-6775
(check one) ☒ Owner ☐ Tenant/lessee
Mailing Address HC 80 BOX 657-25, Piedmont State SD 57769
(Street, RR. or Box) (Zip Code)
- Amount of water claimed 0.1 *CFS or 45 **GPM ***AF
(*Cubic Feet per Second) (**Gallons per Minute) (**Acre Feet - storage capacity of dam/dugout or annual use if applicable)
- Source of water supply 1 well
- Location of point of diversion (example - 3 wells in SW1/4 NE1/4 section 12-T104N-R53W)
1 well in the NE 1/4 Section 17-T3N-R7E (NE 1/4 NE 1/4)
Lot 6 County Meade
- County or counties where water will be used Meade
- Annual period during which water is to be used year round Jan 1 - Dec 31
- Give a description of the project. When available include any preliminary engineering report or other reports or information that will help explain the project. (Attach sheet if more space is needed)

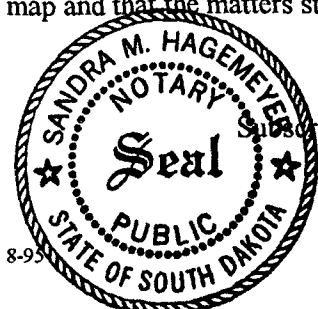
See enclosed letter

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)

STATE OF SOUTH DAKOTA)

County of Meade SS

I, Buffalo Ridge Water Users Assoc. (Holly Steetz), 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.



Signed Holly Steetz
Subscribed and sworn to before me this 13th day of March 19 98

Sandra M. Hagemeyer
Notary Public
MY COMMISSION EXPIRES 12-15-2001

Supplemental Information

(type or print in ink)

1. Well Information - Proposed Construction

SEE WELL COMPLETION REPORT

- a) Drill Hole Diameter 7 7/8 Depth 340'
- b) Casing Type Plastic Diameter 5" Thickness _____
- c) Screen Type Perforated Diameter 5" Thickness _____
- d) Gravel Pack Thickness None Length of Gravel Pack _____
- e) Depth to Top of Water Bearing Material -
- f) Depth to Water (ground surface to water level) 0
- g) Distance to nearest existing domestic well:
On applicants property - On property owned by others 1/4 mile



2. Wastewater Disposal System Information

- a) Type of System (i.e. septic tank, drain field) Each home has a septic tank & drain field
- b) System Capacity (gallons) 1000 gal. c) Year Constructed -
- d) 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

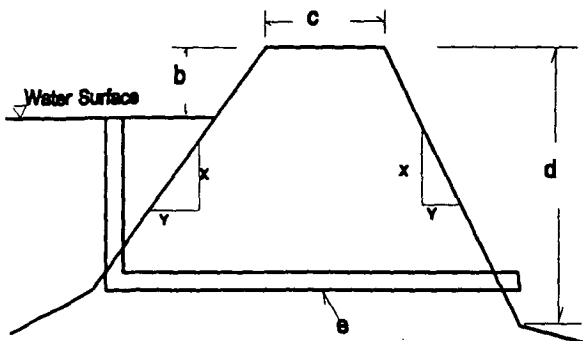
Upstream _____

Downstream _____

h) Surface Area of Impoundment _____

i) Storage _____ Acre Feet

j) Drainage Area Above Dam _____ Acres



RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

415694

Pierre, March 16, 19 98

RECEIVED OF Buffalo Ridge Water Users Assoc., HC 80, box 657-25, Piedmont, SD 57769
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. <u>1664-1</u> to Appropriate Water, to construct and to put water to beneficial use _____	50	00
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By _____
Chief Engineer

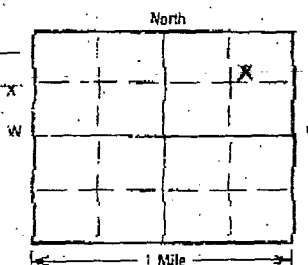
John Hatch

SOUTH DAKOTA WATER WELL COMPLETION REPORT

07-92

Location NE 1/4 NE 17 Twp 34 Rg 7ECounty Meade

Please mark well location with an "X"

Well Completion Date 8-31-92

LOCATION:

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

PROPOSED USE:

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

METHOD OF DRILLING:

Rotary Air Water

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
200 LB/FT	5 IN	0 FT	340 FT	7 7/8 IN
LB/FT	IN	FT	FT	IN
LB/FT	IN	FT	FT	IN

GROUTING DATA

Grout Type	No. of Sacks	Grout Weight	From	To
Portland	50	946 lb/gal	0	339
		lb/gal		

Describe grouting procedure Pressure Grout
with Tremie Pipe to Packers
at 339' to surface with
mud Pump

SCREEN: ☒ Perforated pipe ☐ ManufacturedDiameter 5 IN Length 400 FEETMaterial PVCSlot Size 1/8 Set From 300 Feet to 340 Feet

Other information _____

WAS A PACKER OR SEAL USED? ☒ YES ☐ NOIf so, what material? NeopreneDescribe packer(s) and location? 162 340' 16 339'

DISINFECTION:

Was well disinfected upon completion? ☒ YES, How: chlorine
Pellets
 NO, Why Not? _____Laboratory sent to for water quality analysis OW 12/16 to
Complete
 Well Owner: Dan McFarland
 Business Name: Elk Creek Partnership
 Address: 2700 W. Main
Rapid City SD 57702

WELL LOG:

FORMATION	DEPTH	
	FROM	TO
<u>Blue Shale</u>	<u>0'</u>	<u>70'</u>
<u>(Skull Creek)</u>		
<u>Sandy Shale & Sandstone</u>	<u>70'</u>	<u>165'</u>
<u>(Fall River)</u>		
<u>GRAVEL</u>	<u>165'</u>	<u>185'</u>
<u>Sandy Shales</u>	<u>185'</u>	<u>310'</u>
<u>Coar Sand</u>	<u>310'</u>	<u>340'</u>
<u>(Lakota)</u>		

STATIC WATER LEVEL

If flowing: closed in pressure _____ PSI

GPM flow 4 through 1 inch pipeControlled by ☐ Valve ☐ Hardovers ☐ Other _____

Reduced Flowrate _____ GPM

Can well be completely shut in? yes

WELL TEST DATA:

☐ Pumped Describe: Air Developed☐ Bailed☒ Other

Pumping Level Below Land Surface

150 ft. After 42 Hrs. pumped 40 GPM

ft. After _____ Hrs. pumped _____ GPM

If pump installed, pump rate _____ GPM

REMARKS

Post-it Fax Note 7671

To Holly

Co./Dept. _____

Phone # _____

Fax # _____

Date 1/26/98 # of pages 1From Ron Duvall

Co. _____

Phone # 773-3352

Fax # _____

This well was drilled under license # 008

And this report is true and accurate.

Drilling firm Cimarron DrillingSignature of licensee Representative: Michael J. Dauter

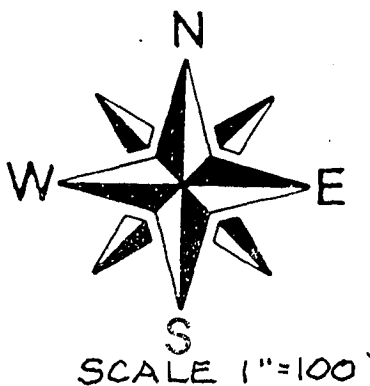
Signature of Well Owner or Equitable Property Holder: _____

Date: 1/2/93

STATE OF SOUTH DAKOTA

MICROFILM CERTIFICATE OF A

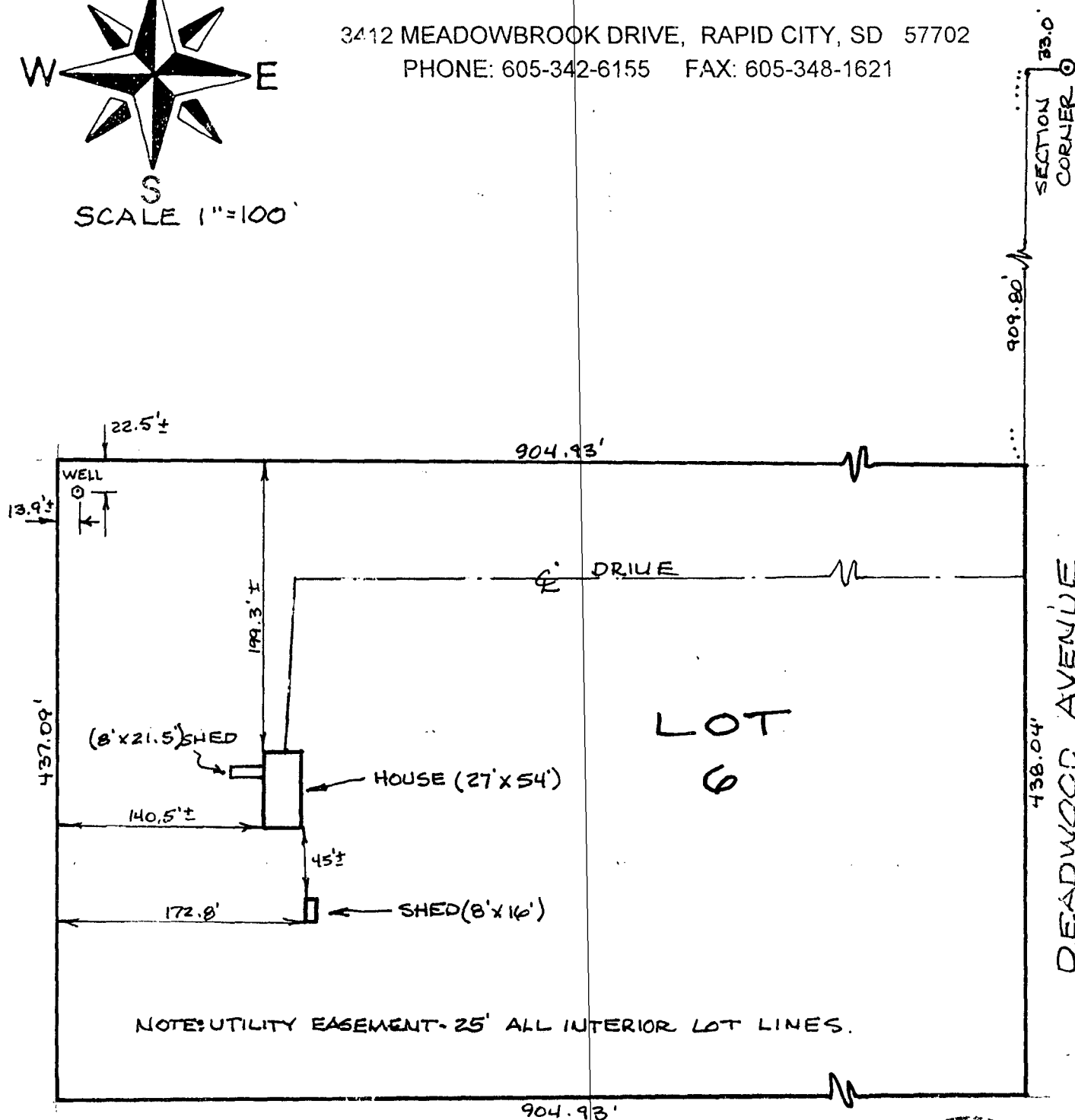
 THIS IS TO CERTIFY THAT THE MICROFILM CERTIFICATE APPLICANTS ON THIS SIDE OF MICROFILM AS AN ACCURATE REPRODUCTION
 REGION AND WAS MICROFILMED IN THE REGULAR COURSE OF BUSINESS & ACCORDING TO THE PROVISIONS OF SECTION 1-2
 DAKOTA CODED LAWS. IT IS FURTHER CERTIFIED THAT THE MICROFILMING PROCESS USED FOR MICROFILMING OF THE A
 IN A MANNER AND ON MATERIAL WHICH MEET THE RECOMMENDED REQUIREMENTS OF ADMINISTRATIVE RULES OF SOUTH
 AND 10342Z FOR MICROFILMING REQUIREMENTS.



POLENZ LAND SURVEYING

3412 MEADOWBROOK DRIVE, RAPID CITY, SD 57702

PHONE: 605-342-6155 FAX: 605-348-1621



NOTE: UTILITY EASEMENT - 25' ALL INTERIOR LOT LINES.



IMPROVEMENT LOCATION EXHIBIT

The purpose of this exhibit is to provide a representation of the information gathered at the time of the inspection for the interested parties. This exhibit is based on existing but not confirmed boundary evidence and is subject to any inaccuracies that a boundary survey might reveal. No property corners will be set and no warranty as to the location of the true boundary of the subject property is extended herein to the present or future owners or occupants.

LEGAL DESCRIPTION

Lot 6 of Buffalo Ridge Estates, Meade County, South Dakota.

Holly Stertz-#6 Deadwood Avenue

Project # 98.021 Date: 2/24/98 Surveyed by: SEV Drawn by: NJP

Title work || was || X was not provided at time of survey order.

SURVEYOR'S CERTIFICATE

I, the undersigned, do hereby certify that I have surveyed the above described property and that the information shown hereon is an accurate representation of the information gathered at the time of inspection of the subject property.



Mark J. Polenz, S.D. Reg. No. 4208

1664-1

March 12, 1998

Buffalo Ridge Water Users Assoc.
HC 80 Box 657-25
Piedmont, SD 57769



Department of Environmental
and Natural Resources
Water Rights Program
Joe Foss Building
523 East Capitol
Pierre, SD 57501

Dear Friends:

Enclosed is an application for the water rights to the community well owned by the Buffalo Ridge Water Users Association. Judene Holan from your department recommended that we obtain the water rights to the well. I would like to explain the background information of this well for the application.

This well is located on Lot 6 of the Buffalo Ridge Estates development. It was originally owned by Dan McFarland, a Realtor, of Elk Creek Partnership, as noted on the well completion report. The water association was formed in 1993 and took over the maintenance of the water system.

The well services eight homes of which 21 people reside. Each household has its own cistern, septic tank and drain field. No other hookup services will be added on to the well.

Enclosed is the application, well completion report, a survey and application fee. Please call me if you have any questions during the day at (605) 388-0266. Thank you for your time.

Sincerely,

A handwritten signature in cursive script that reads "Holly Stertz".

Holly Stertz
Secretary/Treasurer

Enclosures

WATER PERMIT APPLICATIONS NO. 1664-1
BUFFALO RIDGE WATER USERS ASSOCIATION
APRIL 24, 1998

Water Permit Application No. 1664-1 proposes to appropriate 0.10 cubic feet of water per second (45 gallons per minute) from one existing well 340 feet deep, located in the NE¼ NE¼ (Lot 6) of Section 17, T3N-R7E. The water is used for a suburban housing development.

AQUIFER: Inyan Kara (INKR)

GENERAL:

The Inyan Kara Aquifer consists of the Fall River Formation and the underlying Lakota Formation. The Fuson Shale sometimes separates these two formations, but it is often difficult to differentiate the bottom of the Fall River from the top of the Lakota. The two formations are probably hydraulically connected and therefore can be considered a single aquifer. The aquifer is areally extensive, underling over 36,000 square miles of western South Dakota (Allen, 1984). The aquifer underlies 2,107,520 acres and contains an estimated 36,354,720 acre-feet of recoverable water in storage in Meade County alone (Allen, 1984). In general, the Inyan Kara Aquifer consists of interbedded sandstone (thin bedded to massive), siltstone, and shale. This well site is approximately ½ mile from the outcrop. The completion report that accompanies this application indicates the top of the Inyan Kara is 70 feet below grade, and suggests the formation is at least 270 feet thick in this area. The thickness of the Inyan Kara Aquifer does however, vary considerably within short distances. Although technically the Inyan Kara aquifer is unconfined west of this site, this is a flowing well and is (artesian) confined at this site. The report indicates the well was constructed according to the SD Well Construction Standards. This well must be controlled in order to prevent the waste of water.

WATER AVAILABILITY:

Water Rights Program monitors 7 observation wells completed into the Inyan Kara Aquifer in the Black Hills Area. Hydrographs of most of these wells indicate the aquifer is in dynamic equilibrium showing minor changes in water level corresponding with seasonal or climatic conditions only. However, one observation well (CU-83C), has shown a steady, gradual (4 feet) loss of head over the past 15 years. Yet a second observation well (FR-95C) shows a increase of 12 feet of head over the past 3 years. The nearest observation well to this permit (PE-95E) is located approximately 9 miles south east of this site. The limited period of record for this well (2 years) makes it difficult to be definitive, however the aquifer appears to be responsive to recharge, (Water Rights, 1998). The hydrograph information indicates water is available for this appropriation.

EXISTING WATER RIGHTS:

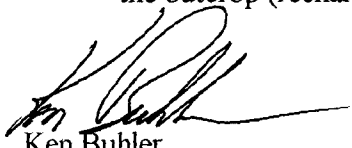
There are several domestic well logs on file for wells completed into the Inyan Kara Aquifer in this area.

The Inyan Kara Aquifer has been developed in at least 23 counties in South Dakota with 124 Water Rights/Permits. There are 15 rights/permits appropriating water from the Inyan Kara Aquifer in Meade County. The nearest appropriative right (#1642-1, Eagle Ridge Homeowners) is an appropriation from the Madison Aquifer and is approximately one mile from this well. The nearest appropriation

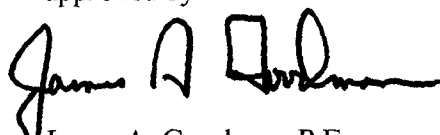
from the Inyan Kara Aquifer, (#1597-1, Crooked Oaks Canyon Homeowners Assoc.) is approximately two miles from this well. The diversion rate proposed by this application (45 gpm), is not likely to adversely affect adequate wells (domestic or appropriative).

CONCLUSIONS:

1. The Inyan Kara Aquifer is a viable aquifer in this area, and water is available for this appropriation.
2. Well interference should not be a problem in this area. The requested diversion rate is relatively small and should not cause significant drawdown.
3. This is an existing system, the well was installed in 1992.
4. The well report filed with the application indicates the well was constructed in compliance with the SD Well Construction Standards.
5. Wastewater is disposed of through individual septic systems. The development is located on the outcrop (recharge area) for the Inyan Kara Aquifer.


Ken Buhler
Natural Resources Engineer

approved by


James A. Goodman, P.E.
Natural Resources Engineer

REFERENCES:

Allen, J.C., D. Iles, A. Petres, 1984, Analysis of Groundwater and Streamflow Data, Western Dakotas Region of South Dakota, Task 3 & 4: Groundwater Resources Inventory, US Army Corps of Engineers Contract DAWC 45-82-C-015, SD DENR- Geological Survey, Vermillion SD

Water Rights Program, 1998, "Domestic Well Log Files, Observation Well Files, and Water Permit Files," DENR-Water Rights Program, Joe Foss Building, Pierre, SD 57501

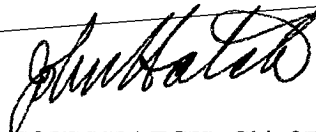
**RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1664-1, Buffalo Ridge Water Users Association**

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. 1664-1, Buffalo Ridge Water Users Association, c/o Holly Stertz, HC 80, Box 657-25, Piedmont, SD 57769.

The Chief Engineer is recommending APPROVAL of Application No. 1664-1 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 this Permit shall be valved and the flow reduced to the amount needed. If this well is abandoned or the Permit canceled, the well must be plugged in accordance with Water Management Board Rules, Chapter 74:-2:04.

See report on application for additional information.



JOHN HATCH, Chief Engineer
May 4, 1998



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

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

May 6, 1998

Buffalo Ridge Water Users Association
%Holly Stertz
HC 80, Box 657-25
Piedmont, SD 57769

Dear Ms. Stertz:

Water Permit Application No. 1664-1 for suburban housing development has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Meade Co. Times-Tribune printed at Sturgis, SD (Ph # (605) 347-2503). For your information, a copy of the notice, the recommendation of the Chief Engineer and a 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 to authorize publication of your Notice of Hearing and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish your notice once each week for two consecutive weeks with the last publication to occur twenty days before the board meeting. The newspaper has 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**

JOE FOSS BUILDING
523 EAST CAPITOL
PIERRE SOUTH DAKOTA 57501-3181

May 6, 1998

Meade Co. Times-Tribune
Box 69
Sturgis, SD 57785-0069

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 1664-1 to Appropriate Water to be published twice. Please publish the first notice on May 13, 1998, with the second publication 7 days later.

The applicant must verify to you that the notice is to be published, before you make the first publication. **Please BILL the APPLICANT for the cost of publication.** The APPLICANT is Buffalo Ridge Water Users Association, %Holly Stertz, HC 80, Box 657-25, Piedmont, SD 57769 (Ph # (605) 787-6775).

Please send the Water Rights Program the first publication immediately. The publication is checked for accuracy so any corrections can be made in the second publication. You may use the form below or fax a copy of the first publication. Any fax should be sent to the attention of Karen Schlaak at (605) 773-4068. Publication errors can invalidate the public notice.

After the second publication, **please send us an affidavit or use the enclosed Proof of Publication form.** 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

-----CUT HERE-----

No. 1664-1

TO: Eric Gronlund
Water Rights Program
Joe Foss Building
Pierre SD 57501-3181

Date _____

We are in receipt of your letter of May 6, 1998, enclosing Notice of Hearing to Appropriate Water by Application No. 1664-1 which was first published in our issue of _____. **ENCLOSED IS A COPY OF THIS FIRST PUBLICATION.**

Name

Newspaper

Instruction to Newspaper - Publish first Notice on May 13, 1998, with the second publication 7 days later. The applicant is responsible for payment.

NOTICE OF APPLICATION NO. 1664-1 to Appropriate Water

Notice is given that Buffalo Ridge Water Users Association, c/o Holly Stertz, HC 80 Box 657-25, Piedmont SD 57769 has filed an application for a water permit to appropriate 0.10 cubic feet of water per second (45 gallons per minute) from one existing well (Inyan Kara Formation) 340 feet deep located in the NE 1/4 NE 1/4 (Lot 6) of Section 17-T3N-R7E. The water is for a suburban housing development.

Pursuant to SDCL 46-2A-2, the Chief Engineer recommends APPROVAL of Application No. 1664-1 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 the 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 the 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 June 1, 1998.

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. Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

STATE OF SOUTH DAKOTA)
) SS
County of Meade)

I, Joan Lewis

from the May 13 & May 20th

printed and published in Sturgis

County of Meade and

in the newspaper on the following two dates:

May 13, 1998

May 20, 1998

Cost of Printing 32.72

Joan M. Lewis
(Signature)

Bookkeeping
(Title)

6/1/98
(Date Signed)

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.

Nettie H. Myers, Secretary, Department of Environment and Natural Resources.

Publ May 13 and 20, 1998
Meade County Times-Tribune



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUN 29 1998

Buffalo Ridge Water Users Association
%Holly Stertz
HC 80, Box 657-25
Piedmont, SD 57769

Dear Ms. Stertz:

Enclosed is Water Permit No. 1664-1 authorizing construction of your water diversion system and beneficial use of the water, not exceeding the limits as specified in the Water Permit.

Also enclosed is Form 10, Notice of Completion of Works and Application of Water to Beneficial Use, which you are to complete and submit to the Chief Engineer when you have completed the system and/or have put the water to beneficial use. An inspection can then be scheduled so that the Water License may be issued, thus completing your acquisition of a Water Right.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

PLEASE NOTE: Certain changes may be made to your water permit usually without affecting the priority date. The location of a point of diversion may be changed or additional points of diversion may be approved if the water source remains unchanged; no additional water is appropriated; and, if irrigating, no additional land is irrigated. The change may be allowed without application or publication, if the Water Rights Program is contacted and the chief engineer makes a finding that the change does not increase the potential for interference with existing diversions.

A new water permit application is required to change water sources, increase the permitted diversion rate, or increase the irrigated acreage. If the application is approved, the water permit will receive a new priority date.



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

Date JULY 17, 1998

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

FROM: BUFFALO RIDGE WATER USERS ASSOCIATION, HC 80 BOX 657-25

(name)

(address)

PIEDMONT,

SD

57769

605-787-6775

(city)

(state)

(zip)

(phone)

I have completed the construction of the water diversion system and I have put the water to beneficial use to the maximum extent it is going to be used. I have not exceeded the amounts specified in Water Permit No. 1664-1.

Water Permit No. 1664-1 states that the diversion system is to be constructed by

JUNE 1, 2003

(date)

, and that the water is put to beneficial use by

JUNE 1, 2007

(date)

The diversion system was completed on AUGUST 31, 1992
(date)

Applying the water to beneficial use was completed on AUGUST 31, 1992
(date)

You may schedule an investigation so that the Water License may be issued.

Billy Stutz Sec/Treas.
(signature)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 27, 1999

1664-1

Holly Stertz, Secretary/Treasurer
Buffalo Ridge Water Users Association
HC 80, Box 657-25
Piedmont, SD 57769

Dear Ms. Stertz:

The investigation of your water use system was conducted on July 13, 1999, by Ron Duvall, staff engineer. The investigation included the extent of application of water to beneficial use, as developed under Water Permit No. 1664-1. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the investigation and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

Please remit fee to:
Department of Environment & Natural Resources
Water Rights Program
523 E. Capitol
Pierre, SD 57501-3181

Sincerely,

Cheryl F. Frost
Secretary
Water Rights Program
(605) 773-3352

NOTE: On check or money order, please specify your permit number. This will insure proper handling of the fee.

RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

№ 416183

Pierre, September 8, 19 99

RECEIVED OF Buffalo Ridge Water Users Association, HC 80, Box 657-25, Biedmont, SD 57769
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. _____ to Appropriate Water, to construct and to put water to beneficial use _____		
Fee for Application for Permit No. _____ to Appropriate Water, for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. <u>166401</u>	50	00
Fee for Filing Transfer Form _____		
Fee for Filing Extension Request _____		
Fee for _____		

(Any Other Work Provided by Law)	Total	50 00

By

Chief Engineer

John Hatch

Permit No. 1664-1
Upper Cheyenne - 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, July 13, 1999, made a thorough examination of the water use system constructed by Buffalo Ridge Water Users Association c/o Holly Stertz of HC 80, Box 657-25, Piedmont SD 57769 holder of Permit No. 1664-1, bearing the priority of March 16, 1998 authorizing the diversion of 0.10 cu. ft. per second of the waters of Inyan Kara Formation for suburban housing purposes, in Meade County.

I have to report on the conditions of the same as follows:

A. Works used to divert the water:

Pump\Motor:

- 1) Make Unknown submersible
- 2) Capacity 45 GPM
- 3) Horsepower rating 3/4 hp

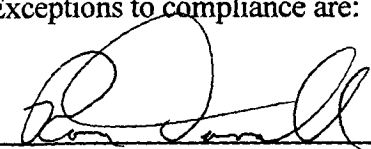
B. Works used to transport\apply water to place of use:

Water is diverted from the well to a cistern equipped with a float valve which supplies eight homes.

The system is in the following condition good. The point of diversion is located Well: 932 feet S and 891 feet W from the NE corner section 17-T3N-R7E (NE $\frac{1}{4}$ NE $\frac{1}{4}$). The works are capable of diverting and conveying to the place of use 0.10 cu. ft. per second of water which is to be used for suburban housing purposes. Water has been put to beneficial use to the maximum extent and the license should be issued for 0.10 cfs.

Applicable permit qualifications have been complied with: Yes X No

Exceptions to compliance are: none Date report completed: August 24, 1999



Ron Duvall
Natural Resources Engineer
DENR, Water Rights Program

The well is located as shown on the original application map. Therefore, a map based on this permit investigation was not prepared.

FIELD INVESTIGATION REPORT FOR PERMIT NO. 1664-1

DATE OF INVESTIGATION	July 13, 1999
NAME & ADDRESS OF INVESTIGATION CONTACT/ RELATIONSHIP TO PERMIT HOLDER, IF APPLICABLE	Bill Mammel, resident of development
NAME & ADDRESS OF PERMIT HOLDER	Buffalo Ridge Water Users Association HC 80 Box 657-25 Piedmont SD 57769
DIVERSION POINT LEGAL LOCATION	Well: 932 feet S and 891 feet W from the NE corner section 17-T3N-R7E (NE $\frac{1}{4}$ /NE $\frac{1}{4}$)

Other permit(s) associated with the project: none

WELL INFORMATION:

- 1) Well Drilling Firm: Cimarron Drilling
- 2) No. of Wells 1
- 3) Depth(s) 340 feet
- 4) Well log is available Y

Screen:

- 1) Type Perforated
- 2) Length 40 feet
- 3) Static water level flowing well

Casing:

- 1) Diameter 5 inches
- 2) Length 300 feet
- 3) Type Plastic

Pump/Motor:

- 1) Make Unknown submersible
- 2) Capacity 45 GPM
- 3) Horsepower rating 3/4 hp

DISTRIBUTION LINES OR CANALS:

Water is diverted from the well to a cistern equipped with a float valve which supplies eight homes.

PERMIT QUALIFICATIONS:

- 1) Special qualifications to permit being abided by Y
- 2) All structures, wells and lands on map Y

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 1664-1

(1) Buffalo Ridge Water Users Association, HC 80 Box 657-25, Piedmont SD 57769 made Application No. 1664-1, March 16, 1998 for a water permit to divert 0.10 cubic feet of water per second from groundwater (one well), Meade County, South Dakota for suburban housing purposes. Permit No. 1664-1, with a priority date of March 16, 1998 was approved June 1, 1998 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before June 1, 2003 and for the application to beneficial use of said water on or before June 1, 2007.

The permit holder submitted a *Notice of Completion of Works and Application of Water to Beneficial Use* on July 20, 1998. The *Notice* stated the diversion system was completed on August 31, 1992 and the water placed to beneficial use on August 31, 1992.

(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 0.10 cubic feet of water per second for beneficial use. The location of the diversion point is 932 feet south and 891 feet west from the northeast corner of Section 17-T3N-R7E (NE ¼ NE 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 supply the suburban housing development

(4) Pursuant to South Dakota Water Law 46-5-30.1 Buffalo Ridge Water Users Association, HC 80 Box 657-25, Piedmont SD 57769 the holder and/or owner of Water Right No. 1664-1 is issued a license to appropriate water, the right to use 0.10 cubic feet of water per second from groundwater (one well) with a priority date of March 16, 1998 from the location specified in (2) of this license for suburban housing purposes. This license is subject to any limitations or qualifications listed in Water Right No. 1664-1 and subject to South Dakota State Law.



JOHN HATCH, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

SEP 15 1999

date





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

SEP 15 1999

1664-1

Holly Stertz, Secretary/Treasurer
Buffalo Ridge Water Users Association
HC 80, Box 657-25
Piedmont, SD 57769

Dear Ms. Stertz:

Enclosed is Water License No. 1664-1. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 416183 in the amount of \$50.00 which you paid for the investigation and issuance of the Water License.

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. 1664-1, 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.

As long as you use the water beneficially, as stated in the Water License, the State Water Laws provide that you have a continuing right to use the water. If you have any questions, please contact our office.

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
(605) 773-3352

ks
enclosures