

Considered: _____

WATER PERMIT NO. 1965-2

MAP No. _____

Name of Applicant Highland Hills Water Association

Post Office Address 8703 Highland Hills Road, Rapid City, SD 57702

Amount of Water Claimed 0.10 cfs (45 gpm) Total Acres NA

Source of Water Supply Ground water - Madison Limestone

Water to be used for Suburban Housing County Pennington

About 4 miles South of Rapid City

PROOF OF PUBLICATION: Received May 27, 1986 Not Received _____

APPLICATION: Approved July 1, 1986 Subject to _____

F.F. & C.L. Adopted _____ Not Approved _____ Deferred _____

PRIORITY _____ Date Received 5-1-86 Fee \$50.00 Remarks _____

5/1/86

Corrected Application Received _____ Period of Annual Use Jan. 1 to Dec 31

WATER QUALITY APPROVAL RECEIVED NA APPROVED/CONDITIONAL (Circle one)

WI-1 Description same as Application YES _____ NO _____ REMARKS NA

Diversion Point NE 1/4 SE 1/4, Section 32, T1N-R7E

Land to be Irrigated NA

31		32	x		33

Well Log: Driller Taylor Drilling Licensed YES X NO _____

Depth of Well 830 ft REMARKS anticipated formation log

Type of Map Plat PREPARED BY E. Dallas Wasserbuger Reviewed and the Number

assigned on 5-1-86 By Delwin H. Bong

No. 1965-2 Hydrologic Unit 10120110
 Map No. same Basin Upper Cheyenne
 Newspaper Rapid City Journal, Box 450 daily

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

Check use of water: Industrial ☐ Commercial ☐ Municipal ☐ Other Common Distribution System ☐
 Rural Water System ☐ Suburban Housing ☒ Geothermal Heat ☐ Institutional ☐ Recreational ☐
 Domestic ☐ (above 18gpm) Other ☐

Type of Application: Check one or more of the following

New ☒ Vested Right ☐ Future Use ☐ Change Use ☐

☐ Amend Permit No. _____ with old priority date retained

Change diversion point(s) ☐ Add diversion point(s) ☐ Other ☐ _____

☐ Application to: Change diversion point(s) ☐ Add diversion point(s) ☐ on Permit No. _____

☐ Construction to use water reserved by Future Use Permit No. _____

1. Name of Applicant Highland Hills Water Association Phone No. 605/342-9470

Post Office Address 8703 Highland Hills Road - Rapid City SD State 57702
(Street, RR or Box) Zip Code

2. Amount of water claimed (c.f.s) 0.10

3. Source of water supply Madison Limestone

4. Location of point of diversion Lot 12, Block 2, Highland Hills Subdivision located in
NE 1/4, SE 1/4, Section 32, T1N, R7E, B.H.M.

County Pennington

5. Counties where water will be used Pennington

6. Annual period during which water is to be used all year January 1 to December 31

7. Give a brief description of proposed 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)

Construction of water well into the Madison Limestone to a total depth of 830 feet.
 Project will also consist of a 15,000 gallon reservoir, well vault and connection to the existing water lines.

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map (see instruction)

STATE OF SOUTH DAKOTA)
 County of Pennington)^{ss}

I, Highland Hills Water Association the applicant, certify that I have read the foregoing application, have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction.

Signed

President

Subscribed and sworn to before me this

29th day of

April 1986

Karen K. Cupp
 Notary Public (or other qualified officer)

WATER PERMIT

The Water Management Board hereby approves Water Permit Application No. 1965-2
Highland Hills Water Association 8703 Highland Hills Road, Rapid City
(Applicant) (Post Office Address)
SD 57702 With the following qualifications.
(State) (Zip Code)

1. The well casing shall be pressure grouted with cement (bottom to top) from the producing formation to the surface in compliance with Water Management Board Well Construction Standard, Section 74:02:04:30.
2. The description of this project includes a well vault. The well casing for the well authorized by this permit may not terminate in a pit, room or space that is located below the established ground surface pursuant to Board Well Construction Standard, Section 74:02:04:27.
3. 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.

Date of first receipt of application May 1, 1986.
 Date of return to applicant for correction, amendments or changes required _____, 19____.
 Date of receipt of corrected application _____, 19____. Approved July 1, 1986.

The Water Management Board hereby approves this Water Permit No. 1965-2 authorizing the construction of the water use system and the placing of water to beneficial use as stated in the Application and as qualified in the Water Permit approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is May 1, 1986.
2. The equivalent of at least one-fifth of the specified work is to be completed on or before December 1, 1988.
3. The whole of said work is to be completed on or before July 1, 1991.
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is July 1, 1995.
5. The water appropriated shall be used for the purpose of suburban housing development
6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be unlawfully impaired by this appropriation.
7. The amount of the appropriation herein granted shall not exceed .10 cubic feet per second; neither shall it exceed the capacity of the above described water supply system nor shall it exceed the amount of water needed for beneficial uses served and to which water is actually and beneficially applied for suburban housing development on or before July 1, 1995; said water to be used during the following described annual period: Jan. 1 - Dec. 31

WATER MANAGEMENT BOARD
 By: John Hatch
JOHN HATCH Chief Engineer
 Division of Water Rights
 Dept. of Water and Natural Resources
AUG 18 1986

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 7-7/8 Depth 830
- b) Casing Type Steel Diameter 5" I.D. Thickness 0.258
- c) Screen Type Open Hole Diameter N/A Thickness N/A
- d) Gravel Pack Thickness N/A Length of Gravel Pack N/A
- e) Depth to Top of Water Bearing Material 690'
- f) Depth of Water (ground surface to water level) 350
- g) Distance to nearest existing domestic well:
 On applicants property N/A' On property owned by others 600 - 700'

2. Dugout Information Estimates

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

3. Water Storage Dams

If the proposed water use system contains one or more storage dams, please furnish the information requested below. The locations of each dam should 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) Outlet Dimensions:
 Pipe diameter _____

Spillway width _____

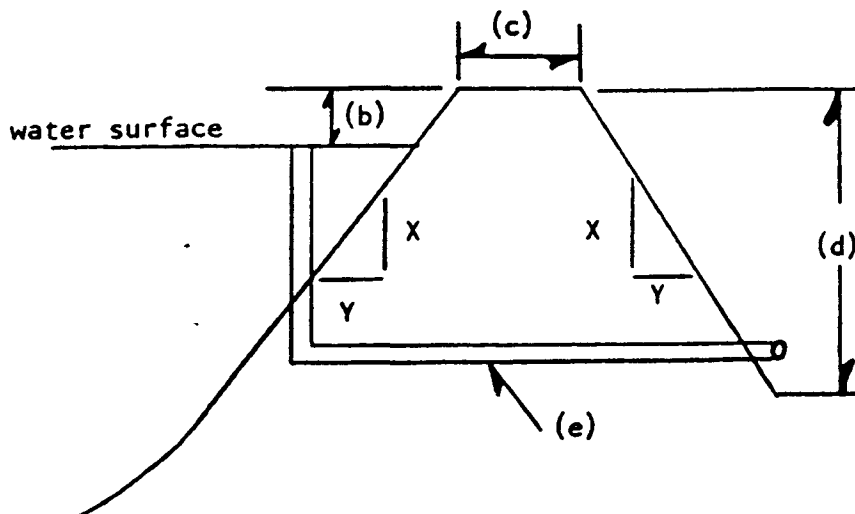
f) X & Y Slope
 Upstream _____

Downstream _____

Surface Area of Impoundment _____

Storage _____ acre feet

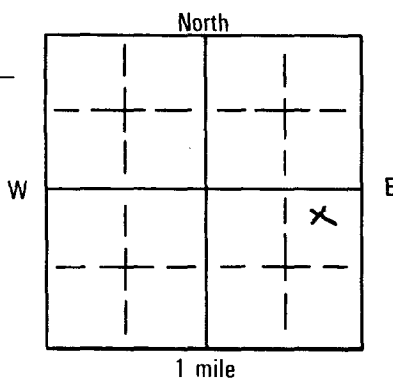
Drainage area above dam _____



Signature of Applicant

SOUTH DAKOTA WATER WELL COMPLETION REPORT

10-85

Location NE 1/4 SE 1/4 Sec 32 Twp 1N Rg 7ECounty
PenningtonPlease mark well
location with
an "X"Well Completion Date June 23, 1986

PROPOSED USE:

☒ Domestic ☐ Municipal ☐ Test Holes
☐ Irrigation ☐ Industrial ☐ Stock

Method of Drilling:

Air Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>15</u> LB/FT	<u>5 1/2</u> IN	<u>0</u> FT	<u>201</u> FT	<u>6 3/4</u> IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 201 FEETWhat is grouting material? CementIf cement, number of sacks? 89Describe grouting procedure pressure groutedWhat was grout weight? 15.5 LB/GALSCREEN: ☐ Perforated pipe ☐ Manufactured

Diameter _____ IN Length _____ FEET

Material _____

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Slot Size _____ Set From _____ Feet To _____ Feet

Other information _____

Was a packer or seal used? ☐ YES ☒ NO

If so, what material? _____

Describe packer(s) and location? _____

Was well disinfected upon completion? ☒ YES ☐ NOExplain powdered Chlorine from surfaceBacteriological analysis ☐ YES ☒ NO

Laboratory sent to _____

Well Owner: Highland Hills Subdivision(Mike Strub)
Name Suburban Rt. Box 246 Rapid City, SD 57702

Address _____

Well Log:

Depth

Formation	From	To
red clay w/limestone layers	0	59
tan, red, + yellow ss	59	140
red siltstone	140	171
purple + grey limestone	171	260
red siltstone	260	278
mostly limestone / some ss	278	494
red to maroon siltstone	494	520
white to yellow limestone	520	560
pink ss	560	570
white to pink limestone	570	645
white limestone	645	780

STATIC WATER LEVEL 460 Feet

If flowing: closed in pressure _____ PSI

GPM flow _____ through _____ inch pipe

Controlled by ☐ Valve ☐ Reducers ☐ Other

If other; specify _____

Can well be completely shut in? _____

WELL TEST DATA:

☐ Pumped☐ Bailed☒ OtherDescribe: Air Developed

Pumping Level Below Land Surface

<u>700</u> ft.	After <u>3</u> Hrs.	pumped <u>37</u>	GPM
<u>600</u> ft.	After <u>1/2</u> Hrs.	pumped <u>20</u>	GPM
<u>520</u> ft.	After <u>1/2</u> Hrs.	pumped <u>6</u>	GPM

REMARKS:

This well was drilled under license # 331

And this report is true and accurate.

Drilling firm TAYLOR DRILLING COMPANY

Signature of License Representative:

Ralph Taylor Jr.

Signature of Well Owner:

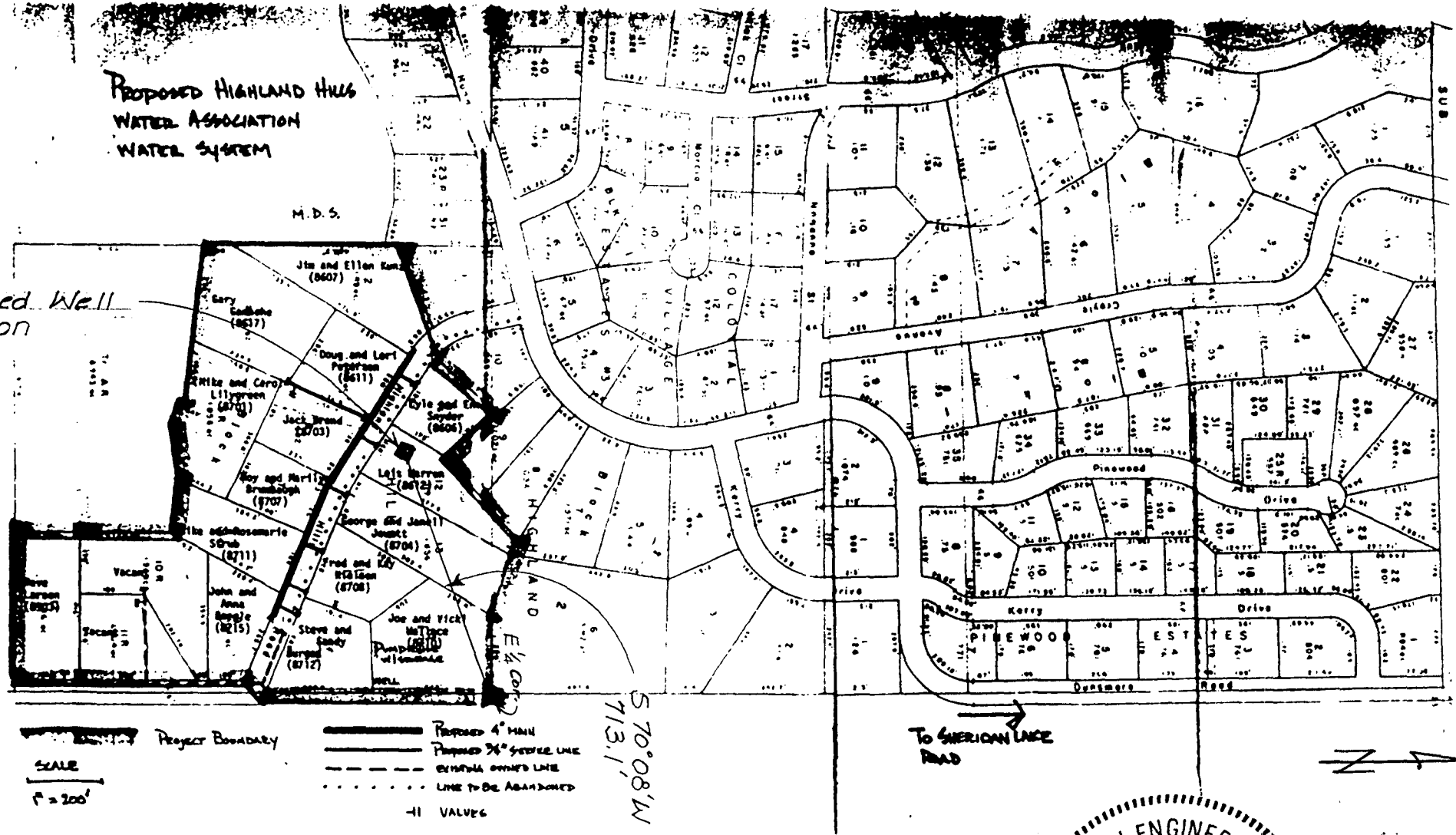
* M. STRUB, PRESIDENT HIGHLAND HILLS WATER ASSOCIATIONDate AUGUST 13, 1986

MAP TO ACCOMPANY WATER RIGHT APPLICATION

WELL IS LOCATED IN LOT 12, BLOCK 2 OF HIGHLAND HILLS SUBDIVISION, ALL IN THE NE 1/4, SE 1/4, SECTION 32, T1N, R7E, B.H.M., PENNINGTON COUNTY, SOUTH DAKOTA.

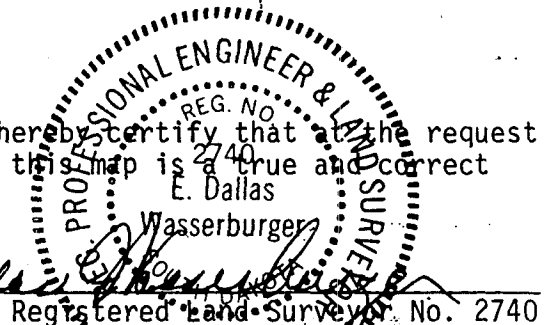
PROPOSED HIGHLAND HILLS WATER ASSOCIATION WATER SYSTEM

Proposed Well
Location



CERTIFICATE OF SURVEYOR

I, E. Dallas Wasserburger, Registered Land Surveyor in the State of South Dakota, hereby certify that at the request of the Owner, I have surveyed the well location as shown on the above map and that this map is a true and correct representation of the survey.



Appl. No. 1965-2



THE ALLIANCE OF ARCHITECTS & ENGINEERS
SPEARFISH • RAPID CITY • GILLETTE
822 Main Street Rapid City, SD 57701 605/342-9470



April 29, 1986

Water Rights Division
DWR, Foss Building
Pierre, SD 57501

Gentlemen:

Enclosed please find the water well application for the Highland Hills Water Association. Please let me know if there is anything further you require.

Sincerely,

ALLIANCE OF ARCHITECTS AND ENGINEERS

E. Dallas Wasserburger, P.E. and L.S.
Principal

kc

Enclosures

pc: Highland Hills Water Association

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

410436

Pierre, May 1, 1986

RECEIVED OF Highland Hills Water Association, 8703 Highland Hills Rd., Rapid City, SD
the following amount in fees for services rendered as provided for by law: 57702

Fee for Application for Permit No. <u>1965-2</u> to Appropriate Water, to construct works 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 Certified Copy of _____		
Fee for Print Copy of Map _____		
Fee for Certifying _____		
Fee for _____		
(Any Other Work Provided by Law)	Total	50 00

By John Hatch
Chief Engineer JOHN HATCH (ms)

REPORT ON APPLICATION NO. 1965-2
HIGHLAND HILLS WATER ASSOCIATION
May 5, 1986

This application proposes to appropriate 0.10 cfs from one well 830 feet deep location in the NE 1/4 SE 1/4 of Section 32, T1N, R7E BHM. The water will be used in a suburban housing development.

Aquifer: Madison Limestone

Geology and Aquifer Characteristics

The Madison Limestone is a Mississippian Age limestone typically cavernous in the upper part and is approximately 400 feet thick in the area. The aquifer is well known as an excellent source of good quality and quantity of water especially near the outcrop (recharge) area surrounding the Black Hills (Rahn, 1979). The SDGS has estimated the amount of recoverable water from the Madison to be 29.8 million acre-feet in Pennington County (Allen, etal, 1984). There have been no aquifer tests in this area, but in a report for Countryside Estates values of 3000 gpm/ft for transmissivity and 0.01 for a storage coefficient were used (Rahn, 1981). This report was concerned with the Deadwood Formation which is stratigraphically lower than the Madison Limestone. These values may not be representative of the aquifer characteristics of the Madison in this area. The aquifer is under artesian conditions and the Water Rights Division does not monitor a Madison Limestone observation well in this area. There is an observation well, PE-84A, drilled into the Deadwood Formation in this area.

Review of Existing Water Rights

There is one existing water permit from the Madison Limestone within the same section as this application.

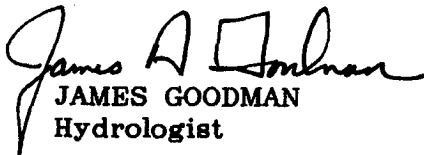
1726-2	Colonial Village Water Co.	4 wells	0.50 cfs
		No. 3-325'	Minnelusa
		No. 2-825'	Madison
		No. 4-725'	Madison
		No. 1-1170'	Deadwood

Apparently, this well will serve a portion of the same housing development covered by Permit No. 1726-2. There have been reported problems with the design and capabilities of the existing water supply system for Permit No. 1726-2. This well will be located less than 1/2 mile from Well No. 2 and about 1/2 mile from Well No. 4 of Permit No. 1726-2 which are both Madison wells. Interference is likely, however with the data now available it is impossible to predict. In any event, interference should not impair the existing rights.

Conclusions

1. Water is available from the Madison Limestone.
2. Interference is likely although data does not exist to predict the magnitude.
3. This well will provide a portion of the same housing area supplied by Permit No. 1726-2.
4. Water Permit No. 1726-2 will have to be licensed to reflect the change of losing the housing area covered by this Application No. 1965-2.

5. Interference should not severely impact existing Water Rights, but merely spread out the drawdowns by using another diversion point.
6. There has been some controversy in this area concerning water availability (Smith, 1983). These concerns were primarily with water from the Deadwood Formation.
7. Data is not available to determine if the Deadwood Formation and the Madison Limestone are hydraulically connected. The amount of testing and observation well drilling necessary to answer this question is cost prohibitive.
8. This well will have to be grouted to the ground surface pursuant to 74:02:04:30 of the Well Construction Standards.


JAMES GOODMAN
Hydrologist

Bibliography

- Allen, J.C., D. L. Iles, A. K. Petres, 1984, Analysis of Groundwater and Streamflow Data Western Dakotas Region of South Dakota, For U. S. Army Corps of Engineers, DWNr, SDGS, Vermillion SD 57069
- Rahn, P.H., 1979, Groundwater Resources of Western SD, For U. S. Army Corps of Engineers, SDSM & T Project No. 2533, Rapid City SD 57701
- Rahn, P. H., 1981, Effect of Ground Water Withdrawal at Countryside Development, Pennington County, SD, For Investor Services Corporation, Rapid City SD 57701
- Smith, F., 1983, Report of Investigation of Water Supply Problem Complaint Against Countryside Development Permit No. 1749-2, DWNr, Water Rights Division, Joe Foss Building, Pierre SD

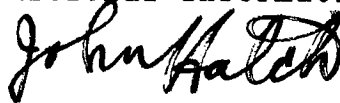
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 1965-2, Highland Hills Water Association

Pursuant to SDCL 46-2A-2, the following is the recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 1965-2, Highland Hills Water Association, 8703 Highland Hills Road, Rapid City SD.

The Chief Engineer is recommending APPROVAL of Application No. 1965-2 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) in the public interest with the following qualifications:

1. The well casing shall be pressure grouted with cement (bottom to top) from the producing formation to the surface in compliance with Water Management Board Well Construction Standard, Section 74:02:04:30.
2. The description of this project includes a well vault. The well casing for the well authorized by this permit may not terminate in a pit, room or space that is located below the established ground surface pursuant to Board Well Construction Standard, Section 74:02:04:27.
3. 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.

See the attached report for additional information.



JOHN HATCH, Chief Engineer
May 7, 1986

Instruction to Newspaper - Publish first publication of the following Notice on or before May 16, 1986 with 2nd publication 1 week later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 1965-2 to Appropriate Water
~~and/or to Amend Water Permit or Water Right No. _____~~

Notice is hereby given that Highland Hills Water Association whose mailing address is 8703 Highland Hills Road, Rapid City, South Dakota has made an application for a permit to appropriate 0.10 cubic feet of water per second from one well 830 feet deep (Madison Limestone) to be located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 32-T1N-R7E. The water will be used for suburban housing.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 1965-2 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at room 216, Joe Foss Building, 523 E. Capitol, Pierre, South Dakota July 1 19 86 at 10:00 am.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer, or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and the Chief Engineer by June 20, 1986. The petition may be informal, but it must include a statement describing the petitioners interest in the application, the reasons for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; ~~(ground)~~ 46-6-3, 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14; ~~(future use)~~ 46-5-38 thru 46-5-40; ~~(transfer lands)~~ 46-5-30.4, 46-5-33 thru 46-5-35; ~~(10,000 AFA)~~ 46-5-20.1, 46-5-8.1; and Board Rules ARSD 74:02:01:01 thru 74:02:01:15; ~~(future use)~~ 74:02:01:24 thru 74:02:01:25; ~~(10,000 AFA)~~ 74:02:01:15:02 thru 74:02:01:15:05.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, 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.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Bldg, Pierre SD (605 773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by June 20, 1986.

STATE OF SOUTH DAKOTA)
) ss.
County _____)

I, Mary K. Garness hereby

Water was taken from the Rapid City Journal

City of Rapid City

May 16, 1986

May 23, 1986

Mary K. Garness
(Signature)

Bookkeeper
(Title)

May 23, 1986

(Date Signed)



Cost of Printing: Ran 8 12/16 inch legal advertising
in the Rapid City Journal on May 16 & 23 @
\$4.20 per inch = \$73.50

Ran public notice of hearing

May 16, 23 L099
NOTICE OF HEARING
ON APPLICATION 1965-2
TO APPROPRIATE WATER

Notice is hereby given that Highland Hills Water Association whose mailing address is 8703 Highland Hills Road, Rapid City, South Dakota has made an application for a permit to appropriate 0.10 cubic feet per second of water from one well 830 feet deep (Madison Limestone) to be located in the NE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 32, T1N-R7E. The water will be used for suburban housing.

Pursuant to SDCL 46-2A-2 the Chief Engineer of the Water Rights Division recommends Approval of Application No. 1965-2 because 1) unappropriated water is available, 2) will be no unlawful impairment of existing rights, 3) is beneficial use of water and 4) is in the public interest.

This application will be considered by the Water Management Board at Room 216, Joe Foss Building, 523 E. Capitol, Pierre, South Dakota, July 1, 1986 at 10:00 a.m.

The recommendation of the Chief Engineer is not final or binding upon the Board and the Board is authorized to 1) approve, 2) approve with qualifications, 3) defer or 4) deny this application after it reaches a conclusion based upon facts presented at the public hearing. Any interested person who may be affected by a Board decision and who intends to participate in the hearing before the Board and present evidence or cross-examine witnesses according to SDCL 1-26, must file a written petition with BOTH the Applicant and the Chief Engineer by June 20, 1986. The petition may be informal, but it must include a statement describing the petitioner's interest in the application, the reason for the petitioner's opposition to or support of the application, and the signature and mailing address of the petitioner or his legal counsel if legal counsel is obtained. The applicant need not file a petition.

This application is made pursuant to the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-12 thru 46-1-15; 46-2-3.1, 46-2-9, 46-2-11, 46-2-13, 46-2-17; 46-2A-1 thru 46-2A-10, 46-2A-12, 46-2A-14, 46-2A-15; 46-5-1 thru 46-5-11, 46-5-13 thru 46-5-15, 46-5-24, 46-5-25, 46-5-30.2, 46-5-30.4, 46-5-31; 46-6-3.1, 46-6-6.1, 46-6-10, 46-6-13, 46-6-14, and Board Rules ARSD 74:02-01:01 thru 74:02-01:15.

This hearing is an adversary proceeding. The applicant or any person, after filing a petition, 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.

Any person wishing a copy of the Chief Engineer's recommendation, further information on this application or to assure access to the hearing by the handicapped can contact the Water Rights Division, DWNR, Joe Foss Bldg., Pierre, S.D., (605-773-3352) for assistance prior to the hearing date. The time of the hearing will be automatically extended for at least twenty days upon written request of the applicant or any person who has filed a petition to oppose or support the application. The request for extension must be filed with the Chief Engineer by June 20, 1986.

ANTICIPATED FORMATION LOG OF HIGHLAND HILLS
WATER ASSOCIATION'S PROPOSED WELL

0 - 50'	Spearfish Formation with Gypsum Lenses
50 - 90'	Minnekahta Limestone
90 - 190'	Opeche Shale
190 - 690'	Minnelusa Group
690 - 830'	Madison (Pahasapa) Limestone
830	End of Boring

Information from Randy Taylor, Taylor Drilling, Rapid City, South Dakota.



1965-2

Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501

Water Rights Division
605 773-3352

AUG 18 1986

Highland Hills Water Association
8703 Highland Hills Road
Rapid City, South Dakota 57702

Dear Sir:

Enclosed herewith is your Water Permit No. 1965-2 as approved by the Water Management Board authorizing you to construct your water diversion system and the water to beneficial use, not exceeding the limits as specified in said Water Permit No. 1965-2.

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 your Water License may be issued to you, thus completing your acquisition of a Water Right.

Very truly yours,

A handwritten signature in black ink, appearing to read "John Hatch".

JOHN HATCH, Chief Engineer
Water Rights Division

JH:ms

enclosure

PLEASE NOTE: Certain changes can be made in your permit within the five year construction period, usually without affecting the priority date provided an application to amend your permit is made within the five year period-i.e. changes in location or number of diversion points (wells) or location of land to be irrigated. Well locations for wells into the same aquifer can be moved up to 660 feet without application.

Applications to amend a permit after the five year construction period will be assigned a new priority date. Applications to change water sources, to add lands or increase original diversion rates, if approved will usually receive the date of the new application as a priority date regardless of the five year construction period.

WNR-809-5/83

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

Post Office _____

Date 20 Aug 1986

TO: Water Rights
Joe Foss Building
Pierre, South Dakota 57501

Dear Sirs:

This is to inform you that I have completed the construction of the water diversion system and/or that I have put the water to beneficial use to maximum extent it is going to be used, not exceeding the amounts as specified in Water Right No.

1965-2

Water Right Permit No. 1965-2 states that the diversion system is to be constructed by 1 July 91, and that the water is put to beneficial use by 1 July 95.

The diversion system was completed on 7 Aug 86. Applying the water to beneficial use was completed on 8 Aug 86.

You may schedule an inspection so that the Certificate of Construction and/or the Water License may be issued, thus completing my acquisition of a water right.

JIBand Sec.
(Signature)
Highland Hills Water Association





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

April 3, 1995

Melvin Wedmore, Attorney
PO Box 2183
Rapid City, SD 57709-2183

Dear Mr. Wedmore:

Enclosed, as requested, are copies of the following:

Water Permit No. 1965-2, listed in the name of Highland Hills Water Association; and
Water Right No. 1726-2 (including license, inspection report & transfer form) listed in the
name of Colonial Pine Hills Sanitary District.

If you have any questions or need further information, please contact me.

Sincerely,

Genny McMath
Environmental Scientist
Water Rights Division
(605) 773-3352

enclosures



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 23, 2001

1965-2

Highland Hills Water Association
c/o Roy Brumbaugh
8707 Highland Hills Rd
Rapid City SD 57702

Dear Mr. Brumbaugh:

On October 6, 2001 the investigation of your water use system, including the extent of application of water to beneficial use, as developed under Water Permit No. 1965-2, was completed by Ken Buhler, a staff engineer with our program. Your final water right document, the water license, can now be issued.

State law requires 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 complete processing your water license. The check or money order for the fee should be made payable to the "Water Rights Program".

The licensed water right will be similar to a property right that can not be lost as long as the water use continues and you abide by the permit requirements.

If you have any questions regarding the water permit, investigation of your water use system or payment of the fee, please contact Genny McMath with our program at (605) 773-3352.

Sincerely,

Karen Schlaak

Karen Schlaak
Environmental Scientist
Water Rights Program
(605) 773-3352



Highland Hills Water Association
8888 Highland Hills Road
Rapid City, SD 57702

November 1, 2001

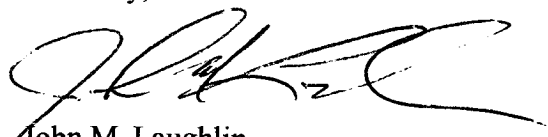
Karen Schlaak
Water Rights Program
% Department of Environment and Natural Resources
Joe Foss Building
523 East Capitol
Pierre, SD 57501-3182

Re: Your letter of October 23, 2001, concerning Water Permit No. 1965-2 (copy enclosed)

Dear Ms. Schlaak:

Per your letter, enclosed is a check in the amount of \$50.00 for the issuance of a permanent water license to the Highland Hills Water Association.

Sincerely,


John M. Laughlin
Treasurer



RECEIPT

Water Rights Program

South Dakota Department of Environment and Natural Resources

112 416954

Pierre, November 2, 20 01

RECEIVED OF Highland Hills Water Association, 8888 Highland Hills, Rapid City, SD 57702
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>1965-2</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 Darland Erbe
Chief Engineer *gm*

Permit No. 1965-2
Cheyenne River - Water District

Other permit/license(s) associated with project: NONE

Contact Person & Address: Roy Brumbaugh, 8707 Highland Hills Rd, Rapid City, SD 57702

Report Of Examination Of Works

On, October 9, 2001, I made a thorough examination of the water use system constructed by Highland Hills Water Assoc of 8707 Highland Hills Rd., Rapid City, SD 57702 holder of Permit No. 1965-2, bearing the priority of May 1, 1986 authorizing the diversion of 0.10 cu. ft. per second of the waters of groundwater for suburban housing development purposes, in Pennington County.

The system is in the following condition good. The point of diversion is located 2350 feet north and 680 feet west of the south east corner of Sec. 32, T1N-R7E with a longitude of -103.294870 and a latitude of 44.001445. The works are capable of diverting and conveying to the place of use 0.056 cu. ft. per second of water which is to be used for suburban housing development purposes. Water has been put to beneficial use and the license should be issued for 0.056 cfs.

Review of Permit Qualifications And Regulations:

- 1) Special qualifications to permit being abided by yes
- 2) All structures, wells and lands on map yes
- 3) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period na
- 4) Exceptions to compliance are: none

Report On the Specifics of the System

Diversion Point Information:

- | | |
|---|-------------------------------------|
| 1) Well Drilling Firm: <u>Taylor Drilling</u> | 2) No. of Wells <u>one</u> |
| 3) Depth(s) <u>780</u> feet | 4) Well log is available <u>yes</u> |

Casing:

- | | |
|-----------------------------|---------------------------|
| 1) Diameter <u>5</u> inches | 2) Length <u>701</u> feet |
| 3) Type <u>steel</u> | |

Screen:

- | | |
|-------------------------------------|--------------------------|
| 1) Type <u>open hole completion</u> | 2) Length <u>79</u> feet |
|-------------------------------------|--------------------------|

3) Static water level 460 feet

Pump\ Motor:

- | | |
|--|--|
| 1) Pump Make <u>Grundfos</u> | 2) Pump Model <u>25S50-26</u> |
| 3) Capacity <u>25</u> GPM | 4) Motor Make <u>Franklin Electric</u> |
| 5) Motor Model No. <u>water filled, single phase</u> | 6) Horsepower rating <u>5</u> hp |

Distribution System:

- | | | |
|---------|-----------------------------|-------------------------|
| Main | 1) Type <u>PVC</u> | 2) Size <u>4</u> inches |
| Service | 1) Type <u>Copper</u> | 2) Size <u>1</u> inch |
| Service | 1) Type <u>Polyethylene</u> | 2) Size <u>1</u> inch |

SYSTEM SUMMARY:

Water is pumped with a submersible pump from the well to three 5000 gallon concrete storage tanks near the well. Water is delivered from the well to 17 houses through 4-inch diameter PVC main lines and 1-inch copper and polyethylene service lines.

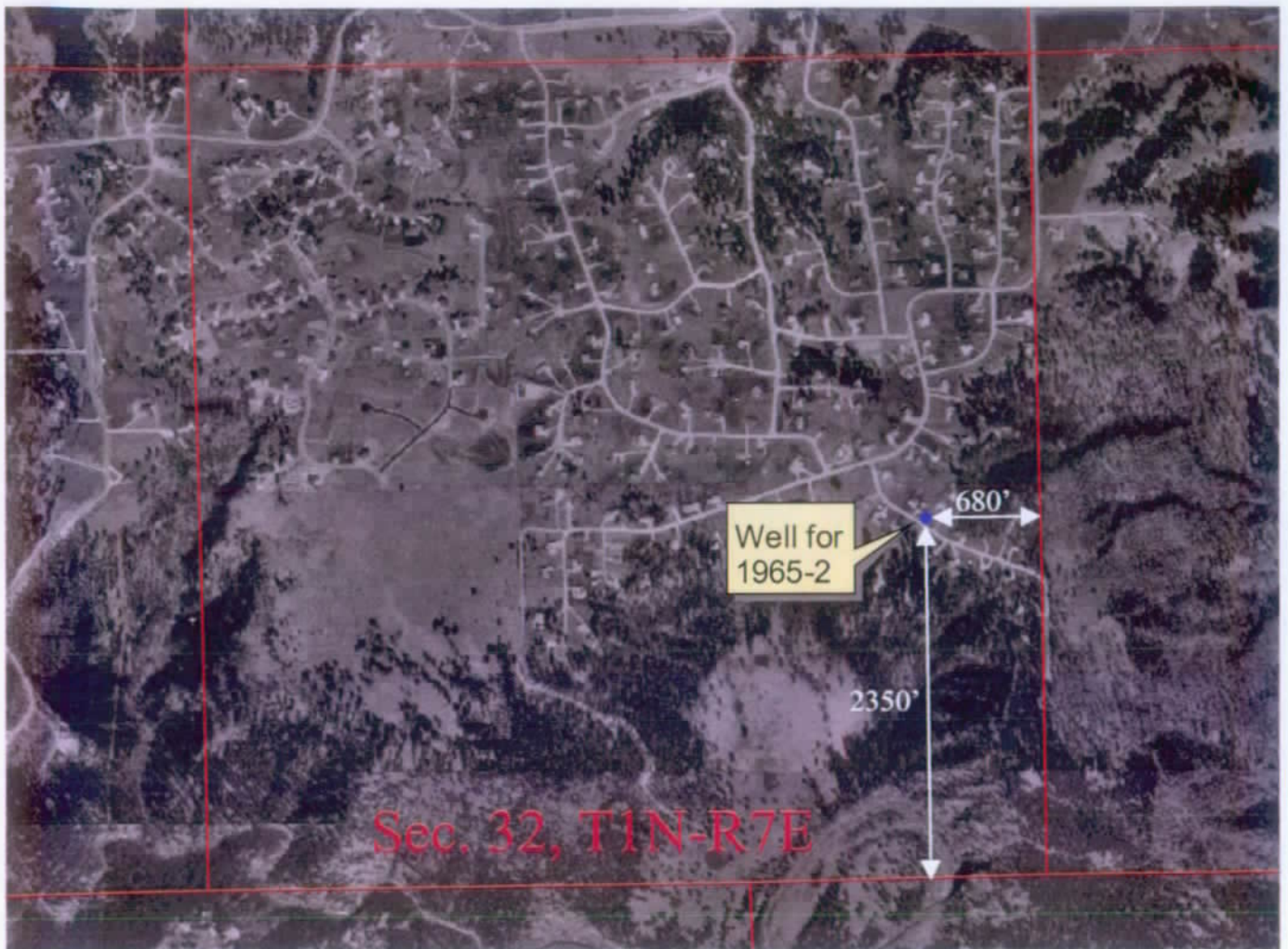


Ken Buhler
Natural Resources Engineering Specialist
DENR, Water Rights Program

10/23/01

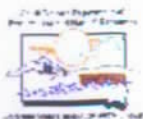
Date

Water Right Map 1965-2



0.4 0 0.4 0.8 Miles

Ken Buhler
Natural Resources Engineering Specialist
DENR-Water Rights Program





**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

DEC 07 2001

1965-2

Highland Hills Water Association
John M. Laughlin
8888 Highland Hills Rd.
Rapid City, SD 57702

Dear Mr. Laughlin:

Enclosed is Water License No. 1965-2. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 416954 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. 1965-2, 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.

Sincerely,

Garland Erbele, Chief Engineer
Water Rights Program
(605) 773-3352

enclosures

STATE OF SOUTH DAKOTA

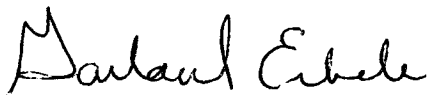
WATER LICENSE NO. 1965-2

(1) Highland Hills Water Association, 8888 Highland Hills Rd, Rapid City SD 57702 made Application No. 1965-2, May 1, 1986 for a water permit to divert 0.10 cubic feet of water per second from groundwater (one well), Pennington County, South Dakota for suburban housing development purposes. Permit No. 1965-2, with a priority date of May 1, 1986 was approved July 1, 1986 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before July 1, 1991 and for the application to beneficial use of said water on or before July 1, 1995.

(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 0.056 cubic feet of water per second for beneficial use. The location of the diversion point is 2,350 feet north and 680 feet west of the southeast corner (NE ¼ SE ¼) Section 32-T1N-R7E.

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

(4) Pursuant to South Dakota Water Law 46-5-30.1 Highland Hills Water Association, 8888 Highland Hills Rd, Rapid City SD 57702 the holder and/or owner of Water Right No. 1965-2 is issued a license to appropriate water, the right to use 0.056 cubic feet of water per second from groundwater (one well) with a priority date of May 1, 1986 from the location specified in (2) of this license for suburban housing development purposes. This license is subject to any limitations or qualifications listed in Water Right No. 1965-2 and subject to South Dakota State Law.



GARLAND ERBELE, Chief Engineer
Water Rights Program
Department of Environment and Natural Resources

DEC 07 2001

date

