

Considered: _____

WATER PERMIT NO. 2124-2

HAP No. _____

Name of Applicant City of Rapid City

Post Office Address 300 6th St Rapid City SD 57701

Amount of Water Claimed 2.23 cfs Total Acres —

Source of Water Supply groundwater (Madison Formation)

Water to be used for municipal County Pennington

About 1/2 miles N of Rapid City

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

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

PRIORITY _____ Date Received 3/19/90 Fee 525⁰⁰ Remarks well not

located within Rapid City's future use area

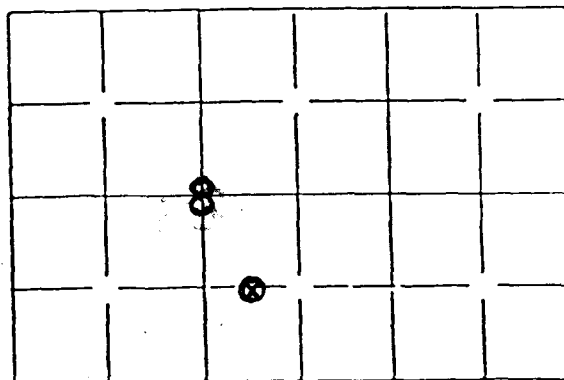
Corrected Application Received _____ Period of Annual Use _____

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

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

Diversion Point 1730 ft, N31°20'W of SE
corner, Sect. 23-T2N-R7E

Land to be Irrigated NA



Well Log: Driller _____ Licensed YES _____ NO _____

Depth of Well 2650' REMARKS Proposed well construction submitted

Type of Map Topo PREPARED BY Daniel Bjerke PE Reviewed and the Number
assigned on 4/2/90 By Eric Henkelwood

Mail to: Water Rights Div.
523 E. Capitol
Pierre, SD 57501
(605) 773-3352

No. 2124-2 Hydrologic Unit _____
Map No. _____ Basin _____
Newspaper _____

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. 2086-2



- Name of Applicant Water Division, City of Rapid City Phone No. 394-4162
Post Office Address 300 6th Street, Rapid City State SD 57701
(Street, RR or Box) (City) Zip Code
- Amount of water claimed (c.f.s.) 2.23 c.f.s.
- Source of water supply Ground Water - Madison Formation
- Location of point of diversion 1,730 feet, N 31° 20' W. of the SE Cor., Sec. 23, T2N, R7E, BHM
County Pennington
- Counties where water will be used Pennington
- Annual period during which water is to be used All Year January 1 - December 31
- 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)

See Attached Sheet

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, Keith T. Carlyle, Mayor for the City of Rapid City 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 [Signature]

Subscribed and sworn to before me this 12th day of March 19 90

Kay L. Rippentrop
County Public

**SOUTH DAKOTA
WATER PERMIT No. 2124-2**

Date of first receipt of application March 19, 1990.

Date of return of applicant for correction, amendments or changes March 20, 1990.

Date of receipt of corrected application March 28, 1990.

The Water Management Board approved Water Permit Application No. 2124-2 on May 23, 1990 for the City of Rapid City, 300 6th Street, Rapid City, SD 57701 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. 2124-2 appropriates 2.23 cubic feet of water per second from one well (Madison Formation) 2650 feet deep located in the NE1/4 SE1/4 of Section 23 T2N-R7E.
2. The water appropriated shall be used for the purpose of supplying a portion of the cities water needs and may not exceed the amount of water needed for beneficial use for municipal purposes.
3. The water is to be used during the following described annual period: January 1 - December 31.
4. The date from which applicant may claim right is March 19, 1990.
5. One-fifth of the construction is to be completed on or before November 23, 1992.
6. All construction is to be completed on or before May 23, 1995.
7. Water is to be put to beneficial use on or before May 23, 1999.
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 authorized by Permit No. 2124-2 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 with cement (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:30.
2. 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.

WATER MANAGEMENT BOARD

By: _____

John H. H. H.
Chief Engineer, Water Rights Division
Department of Water and Natural Resources

JUL 10 1990

(date)

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 17-1/2 inch Depth 2,300 feet Total Depth 2,650
12-1/4 inch 350 feet
- b) Casing Type Steel Diameter 13-3/8" O.D. Thickness 0.31 inches
- c) Screen Type None Diameter Thickness
- d) Gravel Pack Thickness N/A Length of Gravel Pack N/A
- e) Depth to Top of Water Bearing Material 2,300 feet
- f) Depth to Water (ground surface to water level) Est. 200 feet
- g) Distance to nearest existing domestic well: Madison Formation
 On applicants property 15,000 On property owned by others 10,000

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) Primary Outlet Capacity
 If Pipe, diameter

f) Secondary Spillway Capacity
 Spillway width

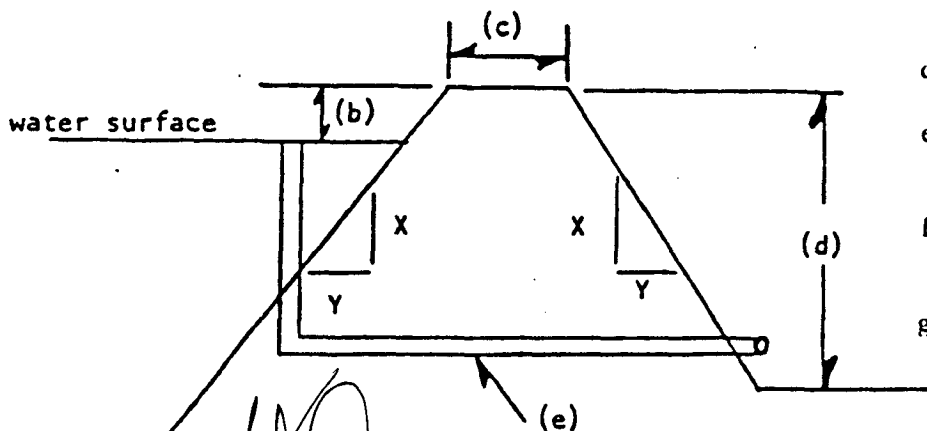
g) X & Y Slope
 Upstream

Downstream

Surface Area of Impoundment

Storage acre feet

Drainage area above dam



Signature of Applicant





MEMORANDUM

TO: Water Rights Division

FROM: Daniel L. Bjerke
Water/Wastewater Division Manager
City of Rapid City, SD

RE: Application for Permit to Appropriate Water

DATE: March 8, 1990

Item No. 7: Brief Description of Proposed Project

Proposed well will be drilled into the Madison Formation. Depths are estimated from existing wells drilled into the Madison Formation. 13 3/8 inch O.D. casing will be set from the ground surface to the top of the Madison Formation. 12 1/4 inch open borehole will penetrate Madison Formation until satisfactory production is achieved.

The water will be used for municipal domestic supply for the City of Rapid City.

SOUTH DAKOTA WATER WELL COMPLETION REPORT

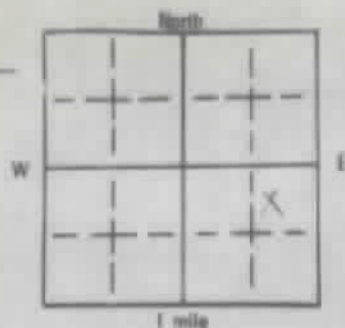
10-85

Location NE 1/4 Sec 23 Twp 24 N Rg 7E

County

Pennington

Please mark well location with an "X"

Well # 3Well Completion Date 2-8-91

PROPOSED USE:

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

Method of Drilling:

Air + Mud Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
<u>78</u> LB/FT	<u>20</u> IN	<u>0</u> FT	<u>20</u> FT	<u>25</u> IN
<u>54.5</u> LB/FT	<u>13 3/4</u> IN	<u>0</u> FT	<u>1000</u> FT	<u>17 1/2</u> IN
<u>36</u> LB/FT	<u>7 5/8</u> IN	<u>965</u> FT	<u>2136</u> FT	IN
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ IN

GROUT:

Was the well grouted? ☒ YES ☐ NOTo what depth? 2186 FEETWhat is grouting material? CEMENTIf cement, number of sacks? 758Describe grouting procedure fill space around casing with cement grout through the pipeWhat was grout weight? 25 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 ☐ NO

Explain _____

Well Owner

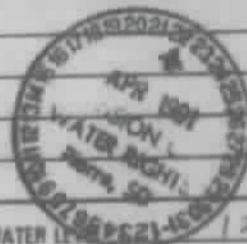
Name City of Rapid CityAddress 300 E 1st St. R.C. SD 58104

Well Log

Formation

Depth

Formation	From	To
<u>Elliptical</u>	<u>0</u>	<u>270</u>
<u>Granite</u>	<u>270</u>	<u>720</u>
<u>Unk. pipe</u>	<u>720</u>	<u>805</u>
<u>Sandstone</u>	<u>805</u>	<u>1065</u>
<u>Spearfish</u>	<u>1065</u>	<u>1490</u>
<u>Minnehaha</u>	<u>1490</u>	<u>1790</u>
<u>Chester</u>	<u>1790</u>	<u>1640</u>
<u>Minnehaha</u>	<u>1640</u>	<u>2274</u>
<u>Madison</u>	<u>2274</u>	<u>2630</u>

STATIC WATER LEVEL 125 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

Describe _____

☐ Other _____

Pumping Level Below Land Surface

495 ft After 24 Hrs pumped 545 GPM

_____ ft After _____ Hrs pumped _____ GPM

_____ ft After _____ Hrs pumped _____ GPM

REMARKS

This well was drilled under license # 331

And this report is true and accurate.

Drilling firm Taylor Drilling Co.

Signature of License Representative

K. H. Taylor

Signature of Well Owner

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

412136

Pierre, March 27, 1990

RECEIVED OF City of Rapid City, 300 6th Street, Rapid City, SD 57701

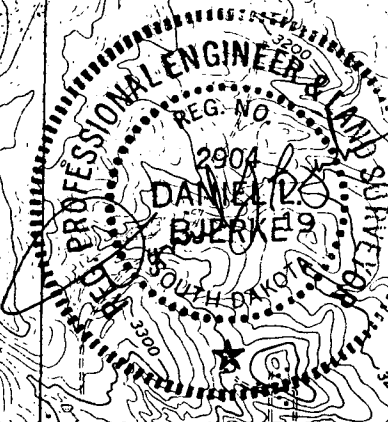
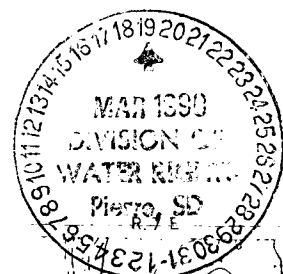
the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit No. 2124-2 to Appropriate Water, to construct works and to put water to beneficial use	525	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	525 00

By *John H. H. H. H.*
Chief Engineer

5123 LINE
(BLACKHAWK)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY





Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

March 20, 1990

Daniel Bjerke
Water/Wastewater Division Manager
Public Works Department
300 Sixth Street
Rapid City, SD 57701

RE: Application for Water Right Permit for Well Nos. 7 & 8
Well No. 1 - Increase in Diversion Rate (permit No. 433-2)

Dear Mr. Bjerke:

This letter is a follow-up to the recent Rapid City water permit applications and our subsequent phone conversation.

- 1) The fee for increasing the diversion rate of well No. 1 by 0.27 cfs is \$225 instead of the \$50 fee you submitted. I have attached the \$50 purchase order you submitted, please remit the correct fee of \$225.
- 2) What is the yearly volume (ac-ft) to be utilized by the water permit application claiming 2.23 cfs from Rapid City's future use permit No. 2086-2? If this were continuous use it would approximately 1614 acre feet yearly and this would be deducted from the city's future use permit. Please inform me of the yearly volume of water to be claimed under this permit.
- 3) Pursuant to our conversation, I am processing the permit using well No. 8 as a new permit and not including it in Rapid City's future use permit No. 2086-2. The well location is not within the boundaries of the future use permit and thus can not utilize permit No. 2086-2. Let me know if you disagree with procedure I am following. Also, please contact me on the yearly volume of water to be claimed under this permit.

I am going to proceed with processing these permits but would appreciate attention the above mentioned items. If you have any question, please feel free to contact me.

Sincerely,

Eric Gronlund
Natural Resources Engineer
Division of Water Rights
(605) 773-3352

Conversation or File Documentation

NAME OF PERSON OR FILE: City of Rapid CityADDRESS: _____ COUNTY PEDATE: 3/22/90 TELEPHONE _____

RE: _____

COMMENTS:

Talked with Mr. Dan Bjerke. I explained to him that ~~his~~ the city's well no. 8 was not within their future use area (Permit No. 2086-2). I stated that they would have to amend their future use area or proceed with the application as a new permit with a 3/19/90 priority date. Mr. Bjerke directed me to proceed with the application as a new permit

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 Greenland



City of Rapid City

RAPID CITY, SOUTH DAKOTA 57701

Michael D. Strub, Public Works Director

Public Works Department

300 Sixth Street

605-394-4165

March 26, 1990

Mr. Eric Gronlund
Natural Resources Engineer
SD Dept of Water & Natural Resources
Division of Water Rights
523 East Capitol
Pierre, SD 57501-3181

Re: Application for Water Right Permit for Wells Nos. 7 & 8
Well No. 1, Increase in Diversion Rate

Dear Mr. Gronlund:

Enclosed are Rapid City's Purchase Order Nos. 215625 and 218289 totaling \$225.00 to cover the fee for increasing the diversion rate of Well No. 1., please sign below the "Verification" statement and return as soon as possible so that we may issue payment.

The yearly volume of water to be claimed under the water use permit No. 2086-2 is 800 acre feet. The yearly volume of water to be claimed under the water use permit for Well No. 8 is also 800 acre feet.

Sincerely,

DANIEL L. BJERKE, P.E./L.S.
Water/Wastewater Division Manager

Enclosures

cc File: Daniel\Correspo\Permits



EQUAL HOUSING
OPPORTUNITY

EQUAL OPPORTUNITY EMPLOYER

REPORT ON APPLICATION NO. 2124-2
FOR THE CITY OF RAPID CITY
April 19, 1990

This application proposes to appropriate 2.23 cfs from one well approximately 2650 feet deep to be located 1730 feet, N 31° 20 'W of the SE corner (NE 1/4 SE 1/4) of section 23, T2N R7E BHM in Pennington County. The water will be used for municipal purposes by the City of Rapid City.

AQUIFER - MADISON FORMATION (MDSN)

The Madison Formation (locally called the Pahasapa) is a crystalline dolomitic limestone which can be cavernous especially in its upper half (Cattermole, 1969). Locally the formation is 300 to 400 feet thick. The Madison underlies 1.48 million acres and contains an estimated 29.8 million acre feet of recoverable water in Pennington County alone (Allen, 1985). Recharge to the Madison occurs through streamflow losses in sinkhole areas along the major drainages and direct infiltration of precipitation upon the outcrop. Regionally ground water moves from north to south and from west to east. Recharge for the entire Black Hills has been estimated to range from 140,000 to 400,000 acre feet per year (Woodward Clyde, 1981). Ground water and surface water are inherently tied together in this area. First, the Madison is overlain by the Minnelusa Formation (which contains more stored water) which is hydraulically connected to the Madison. The heads (water levels) in the Madison are generally higher than the upper Minnelusa which would indicate vertical movement from the Madison to Minnelusa is likely. Second, springs like Cleghorn probably exist because of ground water in the Madison and Minnelusa Formations. Developing the Madison which is under artesian conditions at this well site will create drawdowns when pumped. It is not clear what the effects of drawdowns in the Madison Formation will have upon the springflow.

Well yields from the Madison are very unpredictable. Recent testing by the City of Rapid City indicates yields of 700 to 1700 gpm are possible.

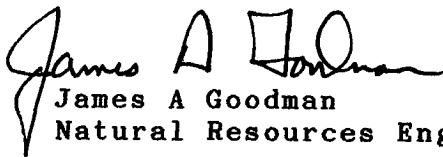
The Division of Water Rights is presently monitoring 5 Madison and 5 Minnelusa observation wells in the Rapid City area. Three of these wells have been monitored since 1964 and 1965. Records for these wells show fluctuation due to climatic conditions and no trends are evident (Water Rights, 1990). The effects of existing development is not obvious from the record. There has not been time to evaluate the effect of new development.

REVIEW OF EXISTING WATER RIGHTS/PERMITS

There is one existing Water Permit No. 2110-2 for Coca-Cola Bottling (not yet developed) which is approximately 1 1/2 miles southwest of this proposed site. There are other water permits/rights for water from the Madison but these are about 3 miles distant. Most of the Madison permits in the area are new and not yet developed. Rapid City is presently testing two new Madison well to evaluate what the effects of pumping will be.

CONCLUSIONS

1. Water is available from the Madison Formation.
2. The aquifer is under artesian conditions and drawdowns due to pumping can be expected. Data is not available to evaluate the effects of pumping.
3. This well must be completed in accordance with SD Well Construction Standard 74:02:04:30.
4. This application is located just outside the future use area specified by Permit No. 2086-2. This is a new appropriation and does use water authorized by the Future Use Permit.
5. Recent Madison water appropriations total 9.16 cfs plus a reserved right of 9991 acre feet per year. These diversions are just in the process of being developed.



James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

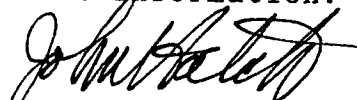
- Allen, J.C., 1984, ANALYSIS OF GROUND WATER AND STREAMFLOW DATA WESTERN DAKOTAS REGION OF SD, TASK 3 AND 4, GROUND WATER RESOURCES INVENTORY, SD DWR, SDGS, Vermillion, SD, 57069.
- Cattermole, J.M., 1969, GEOLOGIC MAP OF RAPID CITY WEST QUADRANGLE, Map GQ-828, USGS, Washington DC.
- Water Rights, 1990, OBSERVATION WELL RECORDS FOR PENNINGTON COUNTY, SD DWR, Div.of Water Rights, Joe Foss Bldg., Pierre, SD, 57501.
- Woodward Clyde, 1981, ETSI ENVIRONMENTAL IMPACT STATEMENT, in Division of Water Rights Files.

RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2124-2, City of Rapid City

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. 2124-2, City of Rapid City, 300 6th Street, Rapid City SD.

The Chief Engineer is recommending DEFERRAL of Application No. 2124-2 to allow additional time to review the application.

See the attached report for additional information.


JOHN HATCH, Chief Engineer
April 19, 1990

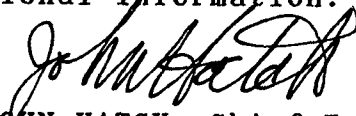
REVISED RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 2124-2, City of Rapid City

Pursuant to SDCL 46-2A-2, the following is the Revised recommendation of the Chief Engineer, Water Rights Division, Department of Water and Natural Resources concerning Water Permit Application No. 2124-2, City of Rapid City, 300 6th Street, Rapid City SD.

The Chief Engineer is recommending APPROVAL of Application No. 2124-2 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 authorized by Permit No. 2124-2 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 with cement (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:30.
2. 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
April 27, 1990



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181
April 19, 1990

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

Keith T. Carlyle, Mayor
City of Rapid City
300 6th St
Rapid City SD.

Dear Mayor Carlyle:

Water Permit Application Nos. 2121-2, 2124-2 and 2125-2 for municipal use have been examined and found to comply with the South Dakota Water Laws and applicable rules. The Notice of hearings have been sent to the Publisher of the Rapid City Journal printed at Rapid City SD. For your information, a copy of the notice is enclosed. The recommendations of the Chief Engineer and reports on the application will be sent later. Please review the notices 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 the Notice of Hearings and to arrange for payment. Early contact with the paper can eliminate delays. The publisher has been instructed to publish the notices 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 Publications. We must receive Proof of Publication before the applications can be considered by the Water Management Board.

Sincerely,

A handwritten signature in cursive script that reads "Eric Gronlund".

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

April 19, 1990

Rapid City Journal
PO Box 450
Rapid City SD 57709

ATTENTION: Legal Department

Enclosed is a Notice of Hearing on Application No. 2124-2 to be published twice. Please publish the first notice on or before April 26, 1990 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 the City of Rapid City, 300 6th St, Rapid City SD.

A copy of BOTH publications must be SENT to the WATER RIGHTS DIVISION. IMMEDIATELY return the FIRST publication with the FIRST Transmittal form on the bottom of this page. The first copy is needed to check the publication for errors so any corrections can be made in the second publication. Publication errors can invalidate the public notice and cause the applicant costly delays.

Please be sure the SECOND publication is returned IMMEDIATELY with the enclosed Proof of Publication form. DO NOT WAIT until the end of the month or the billing cycle. The permit application cannot be considered by the Water Management Board until proof of publication has been received.

Sincerely,

Eric Gronlund
Natural Resources Engineer
605 773-3352

enclosures

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

FIRST TRANSMITTAL NOTICE

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

No. _____

Date _____

We are in receipt of your letter of _____ enclosing Notice of Hearing to
Appropriate Water by Application No. _____ 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 or before April 26, 1990 with 2nd publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 2124-2 to Appropriate Water

Notice is given that the City of Rapid City, 300 6th St, Rapid City SD has filed an application for a water permit to appropriate 2.23 cubic feet of water per second from one well (Madison Formation) 2650 feet deep located 1730 feet, N31°20'W of the SE corner (NE 1/4 SE 1/4) of Section 23-T2N-R7E. This application, if approved, will provide water for municipal purposes by the City of Rapid City.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends DEFERRAL of Application No. 2124-2 to allow additional time to review the application. This application will be considered by the Water Management Board in the Pelican Room, Ramkota Inn, Hwy 212, Watertown SD on May 23, 1990 at 10:00 am. The Chief Engineer's recommendation is not final or binding upon the Board. The Board is authorized to 1) approve, 2) approve with qualifications, 3) defer or 4) deny this application based on the facts presented at the public hearing.

Any interested person that intends to participate in the hearing before the Board by presenting evidence or cross-examining witnesses according to SDCL 1-26, must file a written petition with BOTH the applicant and Chief Engineer by May 11, 1990. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol, Pierre SD 57501 (605 773-3352)". 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 legal counsel if legal counsel is obtained. The applicant need not file a petition. Contact the Water Rights Division to request information on this application or to assure access to the hearing by the handicapped.

This hearing is an adversary proceeding. Any person filing a petition and/or the applicant have the right to be represented by a lawyer. These and other due process rights will be forfeited if not exercised. Decisions of the Board may be appealed to the Circuit Court and State Supreme Court as provided by law. The time of the hearing will also be automatically delayed for at least twenty days upon written request to the Chief Engineer from the applicant or a petitioner. The request for a delay must be received by May 11, 1990.

This application is made pursuant to 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, 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.

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
 County _____)

I, Mary K. Garness

certify that the attached printed Notice was taken
 from the Rapid City Journal

A newspaper which during the whole time of publication of
 said notice herein after stated, has been and is printed and
 published in the _____

City of Rapid City

County of Pennington and State of South Dakota;
 that the said notice was published in said newspaper on the
 following two dates:

April 26, 1990

May 3, 1990

Mary K. Garness
 (Signature)

Bookkeeper
 (Title)

May 3, 1990
 (Date Signed)

Cost of Printing: Ran 7 11/16 inches legal advertising
in the Rapid City Journal on April 26 and May 3
@ \$4.20 per inch = \$64.58
Ran public notice of hearing L186

April 26, May 3 L186
**NOTICE OF HEARING
 ON APPLICATION NO. 2124-2
 TO APPROPRIATE WATER**
 Notice is given that the City of
 Rapid City, 300 6th St., Rapid City,
 S.D. has filed an application for a
 water permit to appropriate an
 additional 2.23 cubic feet of water
 per second (cfs) from one well
 (Madison Formation) 2650 feet
 deep located 1730 feet, N21° 20'W
 of the SE corner (NE¼ SE¼) of
 section 23-T2N-R7E. This applica-
 tion, if approved, will provide wa-
 ter for municipal purposes by the
 City of Rapid City.
 Pursuant to SDCL 46-2A-2, the
 Chief Engineer of the Water
 Rights Division recommends DE-
 FERRAL of Application No. 2124-2
 to allow additional time to review
 the application. This application
 will be considered by the Water
 Management Board in the Pelican
 Room, Ramkota Inn, Hwy 212,
 Watertown, S.D., on May 23, 1990
 at 10:00 a.m. The Chief Engineer's
 recommendation is not final or
 binding upon the Board. The Board
 is authorized to 1) approve, 2) ap-
 prove with qualifications, 3) defer
 or 4) deny this application based
 on the facts presented at the public
 hearing.
 Any interested person that in-
 tends to participate in the hearing
 before the Board by presenting
 evidence or cross-examining wit-
 nesses according to SDCL 1-26,
 must file a written petition with
 BOTH the applicant and Chief
 Engineer by May 11, 1990. The
 Chief Engineer's address is "Water
 Rights Division, Foss Building,
 523 E. Capitol, Pierre, S.D. 57501
 (605-773-3352)." The petition may
 be informal, but must include a
 statement describing the peti-
 tioner's interest in the application,
 the petitioner's reasons for oppos-
 ing or supporting the application
 and the signature and mailing ad-
 dress of the petitioner or legal
 counsel if legal counsel is ob-
 tained. The applicant need not file
 a petition. Contact the Water
 Rights Division to request infor-
 mation on this application or to
 assure access to the hearing by the
 handicapped.
 This hearing is an adversary
 proceeding. Any person filing a
 petition and/or the applicant have
 the right to be represented by a
 lawyer. These and other due pro-
 cess rights will be forfeited if not
 exercised. Decision of the Board
 may be appealed to the Circuit
 Court and State Supreme Court as
 provided by law. The time of the
 hearing will also be automatically
 delayed for at least twenty days
 upon written request to the Chief
 Engineer from the applicant or a
 petitioner. The request for a delay
 must be received by May 11, 1990.
 This application is made pursu-
 ant to 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, 46-2-12, 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, 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.





Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

April 30, 1990

Keith T. Carlyle, Mayor
City of Rapid City
300 6th St
Rapid City SD 57701

Dear Mayor Carlyle:

Enclosed are the reports and recommendations of the Chief Engineer for Water Permit Application Nos. 2121-2, 2124-2 and 2125-2 for Rapid City.

Sincerely,

A handwritten signature in cursive script that reads "Karen Schlaak".

KAREN SCHLAACK
Senior Secretary
Water Right Division
605 773-3352

enclosures



Department of Water & Natural Resources

Joe Foss Building
523 East Capitol
Pierre, South Dakota 57501-3181

JUL 10 1990

Keith T Carlyle, Mayor
City of Rapid City
300 - 6th St
Rapid City SD 57701

Dear Mayor Carlyle:

Enclosed are Water Permit Nos. 2121-2, 2124-1 and 2125-1 as approved by the Water Management Board authorizing the construction of the water diversion systems and put the water to beneficial use, not exceeding the limits as specified in each Water Permit.

Also enclosed are three 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 Licenses may be issued, 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
605 773-3352

enclosures

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.



City of Rapid City

RAPID CITY, SOUTH DAKOTA 57701

Michael D. Stubb, Public Works Director

Public Works Department

300 Sixth Street

605-394-4165



September 25, 1991

Mr. John Hatch, Chief Engineer
Water Rights Division
SD Dept. of Environment & Natural Resources
Joe Foss Building
Pierre, SD 57501

Re: NOTICE OF COMPLETION OF WORKS AND
APPLICATION OF WATER TO BENEFICIAL USE
Water Permit No. 2124-2 (Well No. 8)
City of Rapid City, SD

Dear John:

Transmitted herewith is the above referenced Notice for
Water Permit No. 2124-2. This completion of works is for
Water Well No. 8 located in the NE1/4, SE1/4 of Section
23, T2n, R7E, BHM.

If you have any questions regarding this matter, please
call me at 394-4165.

Sincerely,

Daniel L. Bjerke, PE/LS
Acting Asst. Public Works Director



EQUAL HOUSING
OPPORTUNITY

EQUAL OPPORTUNITY EMPLOYER





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

Date September 24, 1991

TO: Water Rights Division, DWNR
Joe Foss Building
Pierre SD 57501-3181

FROM: City of Rapid City 300 Sixth Street, Rapid City, SD 57701-2724
name address city

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. 2124-2.

Water Permit No. 2124-2 states that the diversion system is to be constructed by May 23, 1995, and that the water it put to beneficial use by May 23, 1999.

The diversion system was completed on August 9, 1991.
Applying the water to beneficial use was completed on August 9, 1991.

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

signature

DANIEL L. BJERKE, P.E.

Acting Assistant Public Works Director



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

October 6, 1994

2124-2

Daniel L. Bjerke, PE/LS
Acting Assistant Public Works Director
City of Rapid City
300 6th Street
Rapid City, SD 57701

Dear Mr. Bjerke:

The inspection of your water use system and the inspection of the extent of application of water to beneficial use, as developed under Water Permit No. 2124-2, has been completed. Your final water right document, the Water License, can now be issued.

Statutes require that we charge a \$50.00 fee for the inspection 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 Division
523 E. Capitol
Pierre, SD 57501-3181

South Dakota Water Law 46-5-30.1 requires that a permit holder may not divert water until the \$50.00 license fee has been paid. Please contact us if you have any questions.

Sincerely,

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

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

RECEIPT

414318

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ November 9, 19 94

RECEIVED OF City of Rapid City, 300 6th Street, Rapid City, SD 57701

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>2124-2</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 John Hatch
Chief Engineer

Permit No. 2124-2
Upper Cheyenne River - Water District

Report Of Examination Of Works And/Or Application of Water To Beneficial Use

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

On I made a thorough examination of the water use system constructed by theCity of Rapid City of 300 6th St, Rapid City, SD 57701 holder of Permit No.2124-2, bearing the priority of March 19, 1990 authorizing the diversion of 2.23 cu. ft. per second of the waters of ground water from the Madison Formation for municipal purposes, in Pennington County.

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

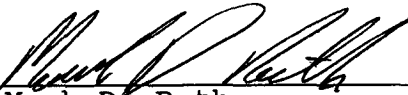
- A. Works used to divert the water:
An American Turbine pump with an 800gpm capacity.
- B. Works used to transport water to place of use:
A municipal water distribution system.

The system is in the following condition good. The point of diversion is located NE1/4 SE1/4 of Section 23 T2N-R7E (From the SE corner of S23, 980 ft W and 1370 ft N). The works are capable of diverting and conveying to the place of use 1.79 cu. ft. per second of water which is to be used for municipal. Water has been put to beneficial use and the license should be issued for 1.79 cfs.

Applicable permit qualifications have been complied with: Yes

Exceptions to compliance are: none

Date:7/14/1992



Mark D. Rath
Natural Resources Engineer
DENR, Water Rights Division

REPORT ON INSPECTION OF PERMIT NO. 2124-2

DATE: 7/14/1992

DIVERSION POINT LEGAL LOCATION: NE1/4SE1/4 of Section 23 T2N-R7E

WELL INFORMATION:

1) Well Drilling Firm: Taylor Drilling Co.

2) No. of Wells 1

3) Depth(s) 2680 feet

4) Well log is available Y

5) Comment:

Casing:

1) Diameter 20", 13.4" & 9.6"

2) Length 20', 985' & 1221'

3) Type steel

Screen:

1) Type open hole design

2) Length 494 feet

3) Static water level 125 feet

Pump:

1) Make American Turbine

2) Model 10-H-75

3) Size 10"

4) Capacity 801 GPM

Motor:

1) Make Hitachi

2) Model No. VTI

3) Horsepower rating 150 hp

DISTRIBUTION LINES OR CANALS:

1) Type Municipal water distribution system

PERMIT QUALIFICATIONS AND REGULATIONS:

1) Soil and water permit lands agree with lands being irrigated and lands listed on permit NA

2) Special qualifications to permit being abided by Y

3) All structures, wells and lands on map Y

4) Irrigation Questionnaires checked to determine if permit owner started irrigation by the end of construction period NA

STATE OF SOUTH DAKOTA
WATER LICENSE NO. 2124-2

(1) The City of Rapid City, of 300 6th St, Rapid City SD 57701 made Application No. 2124-2, March 19, 1990 for a water permit to appropriate 2.23 cubic feet of water per second from groundwater (one well), Pennington County, South Dakota for municipal purposes. Permit No. 2124-2, with a priority date of March 19, 1990 was approved May 23, 1990 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before May 23, 1995 and for the application to beneficial use of said water on or before May 23, 1999.

The permit holder submitted a "Notice of Completion of Works and Application of Water to Beneficial Use" on September 26, 1991. The "Notice" stated the diversion system was completed on August 9, 1991 and water placed to beneficial use on August 9, 1991.

(2) It is certified that the applicant 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 1.79 cubic feet of water per second for beneficial use. The location of the diversion point: 980 feet west and 1370 feet north of the southeast corner (NE 1/4 SE 1/4) Section 23-T2N-R7E.

(3) The applicant 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 the City of Rapid City of 300 6th St, Rapid City SD 57701 the holder and/or owner of Incorporated Water Permit No. 2124-2 is issued a license to appropriate water, the right to use 1.79 cubic feet of water per second from groundwater (one well) with a priority date of March 19, 1990 from the location specified in (2) of this license. The water is used for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Incorporated Water Permit No. 2124-2 and subject to South Dakota State Law.



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

SEP 6 1995

date



2124-2

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

SEP 6 1995

2124-2

2275-2

Dan Bjerke
City of Rapid City
300 6th St.
Rapid City, SD 57701

Dear Mr. Bjerke:

Enclosed are Water License Nos. 2124-2 and 2275-2. These are the final water right documents completing your process of obtaining a Water Right. Enclosed are Receipt Nos. 414318 and 414359 in the amount of \$50.00 each which you paid for the inspection and issuance of the Water Licenses.

For your information SDCL 46-6-27 requires that if the owner of an existing well, such as the wells authorized by Water Right Nos. 2124-2 and 2275-2, constructs replacement wells and does not plan to use the old wells, the old wells are 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 Licenses, 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 Division
(605) 773-3352

rd
enclosures

NOTE: The applicable portions of Water Permit No. 2155-2 have been incorporated into this Water License No. 2275-2.