

Considered: _____

WATER PERMIT NO. 5212-3

HAP No. same 224-7341

Name of Applicant City of Pierre

Post Office Address PO Box 1253 Pierre, SD 57501

Amount of Water Claimed 1.8 cfs Total Acres none

Source of Water Supply 1 well

Water to be used for municipal use County Hughes

About 1/2 mile SE of Pierre

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

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

PRIORITY _____ Date Received Aug. 17, 1988 Fee 450⁰⁰ Remarks _____

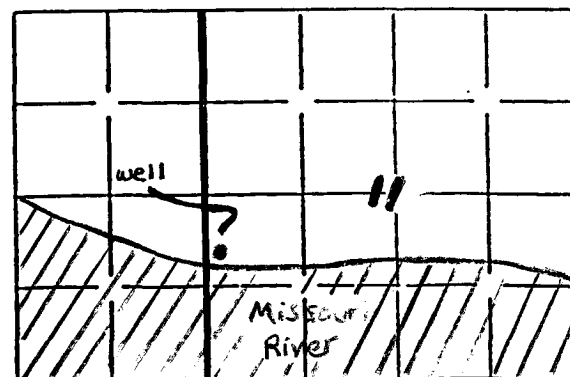
Corrected Application Received _____ Period of Annual Use Jan 1 - Dec 31

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

WI-1 Description same as Application YES NO REMARKS _____

Diversion Point SW 1/4 Section 11, T110N, R79W

Land to be Irrigated none



Well Log: Driller Pullman Well Drilling Licensed YES X NO _____

Depth of Well 60' REMARKS _____

Type of Map plat PREPARED BY Dave Padgett Reviewed and the Number assigned on Aug. 17, 1988 By Aaron A. Bowan

Mail to: Water Rights Div.
DWNr, Foss Bldg.
Pierre, SD 57501
(605) 773-3352

No. <u>5212-3</u>	Hydrologic Unit <u>10140101</u>
Map No. <u>5212-3</u>	Basin <u>MR</u>
Newspaper <u>Pierre Daily Capital Journal Box 878</u>	<u>57501</u>

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

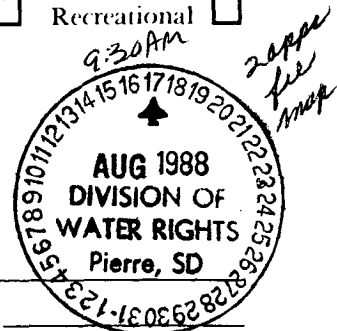
New ☒ Vested Right ☐ Future Use ☐ Change Use ☐

☐ 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 City of Pierre Phone No. 224-7341

Post Office Address P. O. Box 1253 Pierre State SD 57501
(Street, RR or Box) (City) Zip Code

2. Amount of water claimed (c.f.s.) 1.8

3. Source of water supply Ground water Missouri Aquifer, 1 well

4. Location of point of diversion W $\frac{1}{2}$ SW 1/4 of Section 11-T110N-R79W

County Hughes

5. Counties where water will be used Hughes

6. Annual period during which water is to be used January 1 - 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)

The project is to construct one well adjacent to the Missouri River for municipal use. The estimated production from this well is 1.8 cubic feet per second.

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 Hughes)^{ss}

I, Grace Petersen, Mayor of the City of Pierre 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 Grace Petersen

Subscribed and sworn to before me this 16th day of August 1988

Mary Lou Lockring
Notary Public

My Commission Expires: 12-31-89



**SOUTH DAKOTA
WATER PERMIT**

Date of first receipt of application August 17, 1988

Date of return to applicant for correction, amendments or changes required _____

Date of receipt of corrected application _____

The Water Management Board approved Water Permit Application No. 5212-3

on October 6, 1988 for the City of Pierre

(Applicant)

PO Box 1253 Pierre South Dakota 57501
(Street, RR or Box) (City) (State) (Zip Code)

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. 5212-3 authorizes 1.8 cubic feet of water per second from 1 well,
60 feet deep located in W $\frac{1}{2}$ SW $\frac{1}{4}$, Section 11, T11N, R79W

2. The water appropriated shall be used for the purpose of supplying the City of Pierre

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 the right is August 17, 1988
5. One-fifth of the construction is to be completed on or before April 6, 1991
6. All construction is to be completed on or before October 6, 1993
7. Water is to be put to beneficial use on or before October 6, 1997
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 casing of the well to be constructed under Permit No. 5212-3 shall be pressure grouted with cement (bottom to top) from the producing formation to the surface and the well constructed in compliance with Water Management Board Well Construction Rules, Chapter 74:02:04
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: 
Chief Engineer

OCT 24 1988

Division of Water Rights
Dept. of Water and Natural Resources

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 48" Depth 60 feet
- b) Casing Type steel Diameter 46" Thickness _____
- c) Screen Type stainless steel Diameter 24" Thickness _____
- d) Gravel Pack Thickness 2 Length of Gravel Pack 60 feet
- e) Depth to Top of Water Bearing Material 13
- f) Depth to Water (ground surface to water level) 13
- g) Distance to nearest existing domestic well:
 On applicants property 7000 feet On property owned by others 3000 feet

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 _____

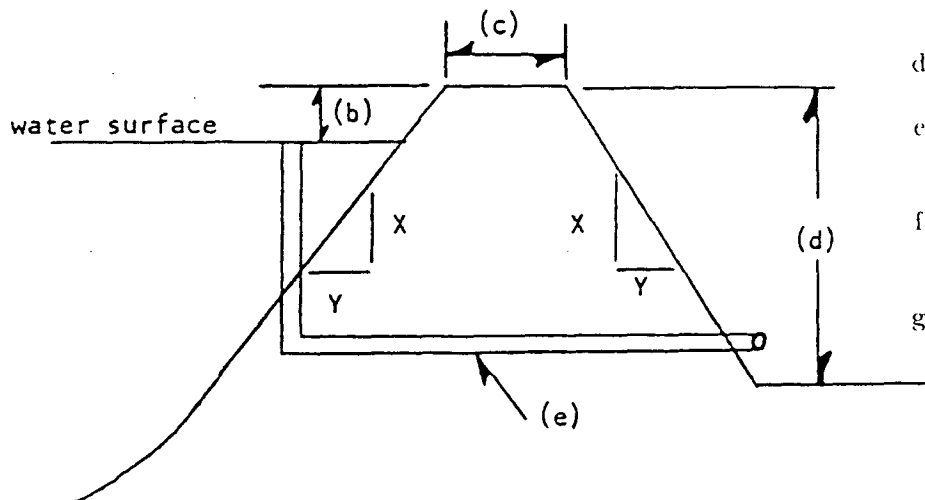
g) X & Y Slope
 Upstream _____

Downstream _____

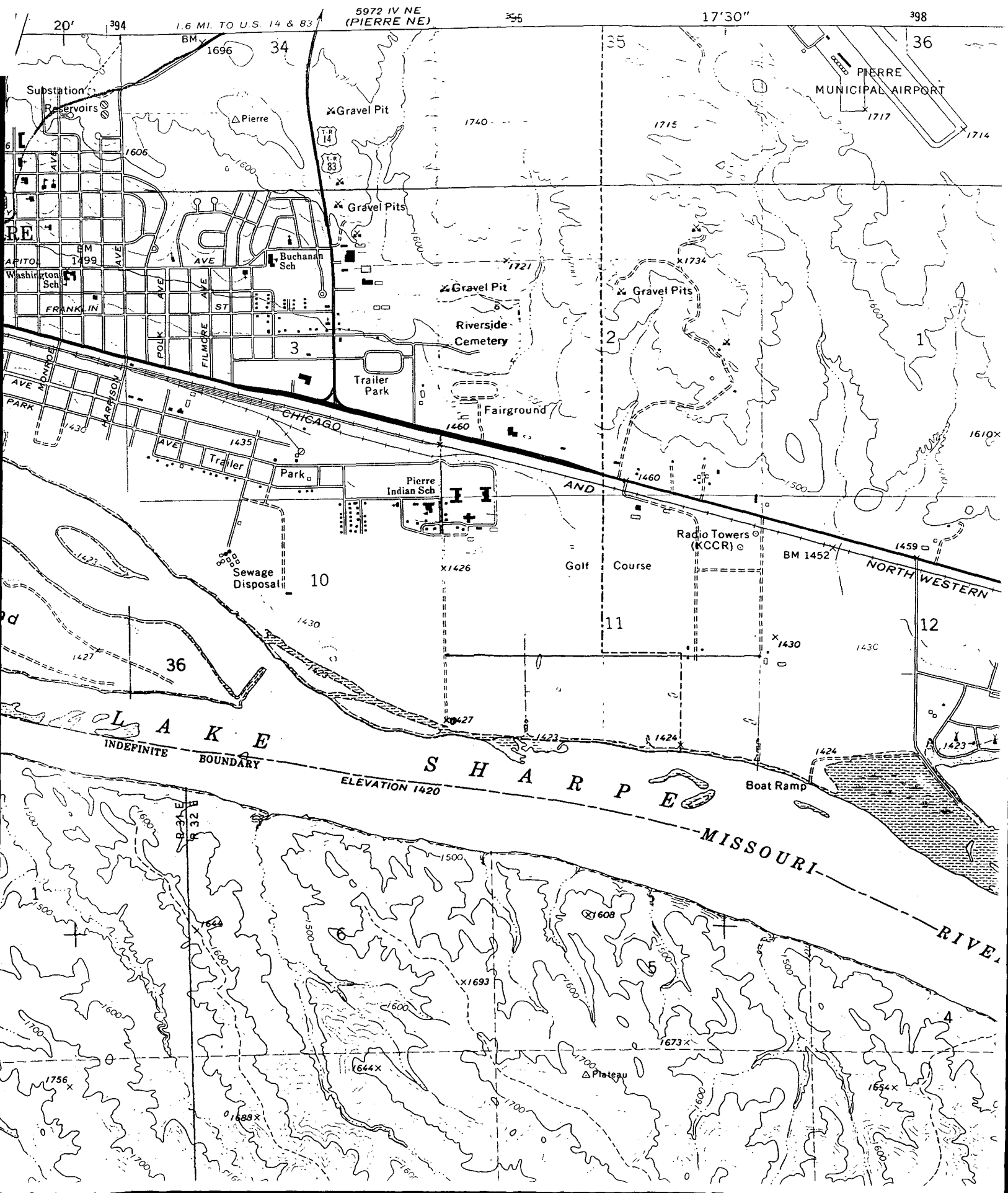
Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



 Signature of Applicant



SOUTH DAKOTA WATER WELL COMPLETION REPORT

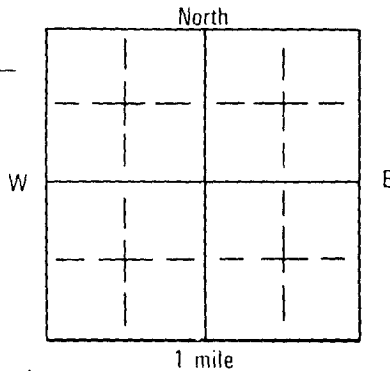
10-85

Location $\frac{1}{4}$ $\frac{1}{4}$ Sec Twp Rg

County

Hughes

Please mark well location with an "X"

Well Completion Date 6-8-89

PROPOSED USE:

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

Method of Drilling:

Forward Rotary

CASING DATA:

☐ Steel ☒ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	<u>5</u> IN	<u>0</u> FT	<u>27</u> FT	<u>8 3/8</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? 20 FEETWhat is grouting material? CementIf cement, number of sacks? 9Describe grouting procedure line

What was grout weight? _____ LB/GAL

SCREEN: ☐ Perforated pipe ☒ ManufacturedDiameter 5 IN Length 20 FEETMaterial B.V.C.Slot Size 0.16 Set From 27 Feet To 47 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? Gravel PackedWas well disinfected upon completion? ☒ YES ☐ NO

Explain _____

Bacteriological analysis ☐ YES ☒ NO

Laboratory sent to _____

Well Owner:

Name City of PierreAddress Pierre, SD 57501

Well Log: _____ Depth _____

Formation	From	To
Sandy soil	0	5
sand	5	10
yellow clay	10	15
blue clay	15	16
fine grained sand	16	20
medium-coarse sand	20	38
clay breaks	38	39
med coarse sand	39	60
medium sand	60	67
Shale	67	68
TD 68'		

STATIC WATER LEVEL 7 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 750 GPM☐ Bailed Describe: air☐ Other _____

Pumping Level Below Land Surface

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:

this well was drilled along river to get soil samples and formation test

This well was drilled under license # 440

And this report is true and accurate.

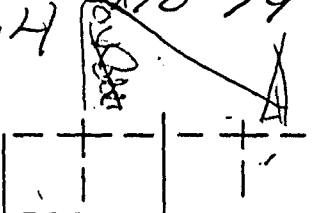
Drilling firm Pullman Well DrillingSignature of License Representative: R. E. Fuhl

Signature of Well Owner: _____

Date 10-10-89

*Notes: Called Pierre & D.
and they is the distribution they
regal for Pierre Well gardens.*

*SE Q Sec 10 110 79
NW Q Sec 10 110 79
SE Q Sec 4 110 79*



Well Completion Date 8-14-87

PROPOSED USE:

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

Method of Drilling:

Forward Rotary

CASING DATA:

☒ Steel ☐ Plastic ☐ Other

If other describe _____

PIPEWEIGHT	DIAMETER	FROM	TO	HOLE DIAMETER
_____ LB/FT	_____ IN	_____ FT	_____ FT	_____ 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 ☐ NO

To what depth? Bottom of hole FEET

What is grouting material? Cement Bentonite

If cement, number of sacks? 8 Per hole

Describe grouting procedure Back

What was grout weight? _____ LB/GAL

SCREEN: ☐ 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 _____

Bacteriological analysis ☐ YES ☒ NO

Laboratory sent to _____

Well Owner:

Name City of Pierre

Address Pierre, S.D. 57501

Well Log:

Depth

Formation	From	To
<i>Yellow fine sand</i>	0	15
<i>fine gray sand</i>	15	28
<i>good sand</i>	28	40
<i>med sand</i>	40	45
<i>course sand</i>	45	60
<i>Top soil Hole #2</i>	0	3
<i>Blue clay</i>	3	17
<i>Brown coarse sand</i>	17	20
<i>course sand</i>	20	40
<i>fine white coarse sand</i>	40	52
<i>fine gray sand</i>	52	54
<i>fine sand Hole #3</i>	0	10
<i>med to course sand</i>	10	20
<i>fine sand</i>	20	21
<i>med sand</i>	21	40
<i>fine gray sand w/med med</i>	40	55
<i>Blue clay</i>	55	

STATIC WATER LEVEL _____ 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

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

_____ ft. After _____ Hrs. pumped _____ GPM

REMARKS:



This well was drilled under license # 440

And this report is true and accurate.

Drilling firm Pullman Well Drilling

Signature of License Representative:

Rayni Pullman

Signature of Well Owner:

CITY OF PIERRE Dave Bodger

Date 12-10-87

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

411358

Pierre, August 17, 1988, 19

RECEIVED OF City of Pierre, PO Box 1253, Pierre, SD 57501

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

Fee for Application for Permit No. <u>5212-3</u> to Appropriate Water, to construct works and to put water to beneficial use	450	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	450 00

By

Chief Engineer

John Hatch
JOHN HATCH MS

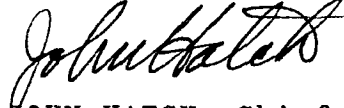
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5212-3, City of Pierre

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. 5212-3, City of Pierre, PO Box 1253, Pierre SD.

The Chief Engineer is recommending APPROVAL of Application No. 5212-3 because 1) there is reasonable probability that there is unappropriated water available for the applicant's proposed use, 2) the proposed diversion can be developed without unlawful impairment of existing rights, 3) the proposed use is a beneficial use and 4) in the public interest with the following qualifications:

1. The casing of the well to be constructed under Permit No. 5212-3 shall be pressure grouted with cement (bottom to top) from the producing formation to the surface and the well constructed in compliance with Water Management Board Well Construction Rules, Chapter 74:02:04.
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
August 29, 1988

REPORT ON APPLICATION NO. 5212-3
CITY OF PIERRE
AUGUST 24, 1988

Application number 5212-3, City of Pierre, proposes to appropriate 1.8 cubic feet per second (cfs) of water from one well. The well is located in the W1/2 SW1/4 section 11, T110N, R79W. The water is to be used for municipal use by the City of Pierre.

HYDROLOGY:

Application No. 5212-3 proposes to withdraw water from the Missouri aquifer: Pierre Management Unit (M:P). This aquifer is a two to three mile wide river deposit of alluvium and outwash sand and gravel. The aquifer is generally in the floodplain and is hydraulically connected to the Missouri River. The hydraulic conductivity of the aquifer is approximately 500 ft/day. Transmissivity averages 15000 ft²/day and well yields from 300 to 1000 gallons per minute can be expected (Hamilton 1986). The recharge to the aquifer is very large because water can be induced directly from the Missouri River. The more water that is pumped the more recharge that is induced.

At the present time the Division of Water Rights does not have monitoring wells in the Missouri: Pierre aquifer.

CONCLUSIONS:

1. Application No. 5212-3 proposes to appropriate 1.8 cfs of water from the Missouri-Pierre management unit.
2. Recharge to the Missouri-Pierre unit is only limited by the discharge from the Oahe dam and the amount of water pumped from the aquifer.
3. Unappropriated water is available for this application from the Missouri-Pierre unit.
4. Prior water rights will not be affected by approval of this application.

Gale N Selken

Gale N. Selken P.E.
Hydrologist III

References:

Hedges, Burch, Iles, Barari, Schoon "Evaluation of Ground-Water Resources Eastern South Dakota and Upper Big Sioux River, South Dakota and Iowa" 1982.

Tomhave; Sand and Gravel Resources in Hughes County, South Dakota; South Dakota Geological Survey 1986.

Hamilton; "Water Resources of Hughes County, South Dakota" U.S. Geological Survey, Water-Resources Investigation Report 84-4195, 1986.



Department of Water & Natural Resources

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

Water Rights Division
(605) 773-3352

August 30, 1988

NOTE:

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

City of Pierre
PO Box 1253
Pierre, South Dakota 57501

Dear Sir:

Your Application No. 5212-2 for a permit to appropriate water for
municipal use, has been examined and found to
comply with the South Dakota Water Laws and applicable rules. A notice of
your intent to appropriate water has been sent to the Publisher of the

Capitol Journal printed at Pierre

South Dakota. For your information, a copy of this notice, the recommendation
of the Chief Engineer and a report on the application are enclosed. Please
review this notice prior to publication and notify this office, if you have
any corrections or questions.

BE SURE TO CONTACT THE ABOVE NEWSPAPER IMMEDIATELY TO AUTHORIZE PUBLICATION
OF YOUR NOTICE OF INTENT TO APPROPRIATE WATER 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 at least twenty days before the board
meeting. We must receive Proof of Publication before the application can be
considered by the Water Management Board.

Sincerely,

RON DUVAL
Natural Resources Engineer

enclosures



Department of Water & Natural Resources

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

August 30, 1988

Capitol Journal
Box 878
Pierre, South Dakota 57501

Dear Sir:

Enclosed is a Notice of Hearing on Application No. 5212-3 to be published twice. Please publish the first notice on or before September 6, 1988 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 City of Pierre, PO Box 1253, Pierre, SD 57501.

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,

Ron Duvall
Natural Resources Engineer
605 773-3352

enclosures

CUT HERE

FIRST TRANSMITTAL NOTICE
No. _____

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

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 September 6, 1988
with 2nd publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5212-3 to Appropriate Water
~~and/or to Amend Water Permit or Water Right No. _____~~

Notice is given that the City of Pierre, P.O. Box 1253, Pierre, South Dakota 57501,
_____ has filed an application for a water permit

to appropriate 1.8 cubic feet of water per second from one well 60 feet deep in the
Missouri Aquifer, Pierre Management Unit located along the Missouri River in the
W $\frac{1}{2}$ SW $\frac{1}{4}$ Section 11, T110N, R79W. This water is to be for municipal use by the City
of Pierre.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends
APPROVAL of Application No. 5212-3 because 1) unappropriated water is available, 2)
existing rights will not be unlawfully impaired, 3) it is a beneficial use of water and
4) it is in the public interest. This application will be considered by the Water
Management Board in Room 216, Joe Foss Building, 523 E. Capitol, Pierre, SD on
October 5, 1988 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 September 23, 1988.
The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E Capitol,
Pierre SD (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
September 23, 1988.

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; ~~(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) 46-5-33 thru 46-5-35; (10,000 AF)~~
~~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 AF) 74:02:01:15:02 thru 74:02:01:15:05.~~

No. _____

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)

County Hughes) ss.

I, Peggy Warner hereby

certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Capital 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 Pierre

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

September 6, 1988

September 13, 1988

Peggy Warner
(Signature)

Legal Ad. Representative
(Title)

Sept. 14, 1988
(Date Signed)

Cost of Printing: _____

97 lines @ .44

total cost \$42.68



Public notices

No. 3153 2tdly 9/6, 9/13

NOTICE OF HEARING on Application No. 5212-3 to Appropriate Water

Notice is given that the City of Pierre, P.O. Box 1253, Pierre, South Dakota 57501 has filed an application for a water permit to appropriate 1.8 cubic feet of water per second from one well 60 feet deep in the Missouri Aquifer, Pierre Management Unit located along the Missouri River in the W 1/2 SW 1/4 Section 11, T110N, R79W. This water is to be for municipal use by the City of Pierre.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 5212-3 because 1) unappropriated water is available 2) existing rights will not be unlawfully impaired. 3) it is a beneficial use of water and 4) it is in the public interest. This application will be considered by the Water Management Board in Room 216, Joe Foss Building, 523 E. Capitol, Pierre, S.D. on October 5, 1988 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) 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 September 23, 1988. The Chief Engineer's address is "Water Rights Division, Foss Building, 523 E. Capitol, Pierre, S.D. (605 773-3352)". The petition may be informal, but must include a statement describing the petitioner's interest in the application, the petitioner's reason 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 hand capped.

This hearing is an adversarial 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 September 23, 1988.

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.



Department of Water & Natural Resources

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

October 13, 1988

Dave Padgett, Public Works Director
City of Pierre
PO Box 1253
Pierre SD 57501

Dear Mr. Padgett:

This letter is response to your request regarding the status of Water Permit Application No. 5212-3 to appropriate 1.8 cfs from one well to be located in the SW1/4 section 11-T110N-R79W.

Application No. 5212-3 was approved by the Water Management Board at the October 5 & 6, 1988 Board meeting. Please contact me if you have any other questions.

Sincerely,

Ron Duvall
Natural Resources Engineer
605 773-3352





Department of Water & Natural Resources

Joe Foss Building

523 East Capitol

Pierre, South Dakota 57501-3181

OCT 24 1988

City of Pierre
PO Box 1253
Pierre, South Dakota

Dear Sir:

Enclosed is Water Permit No. 5212-3 as approved by the Water Management Board authorizing you to construct your water diversion system and put the water to beneficial use, not exceeding the limits as specified in Water Permit No. 5212-3.

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,

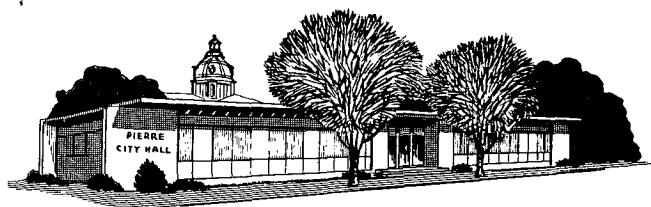
JOHN HATCH, Chief Engineer
Water Rights Division
605 773-3352

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.

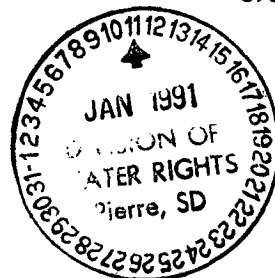


CITY OF PIERRE

222 EAST DAKOTA AVENUE
P.O. BOX 1253

GENERAL OFFICES 224-5921
PUBLIC WORKS 224-7341

PIERRE, SOUTH DAKOTA
57501



January 10, 1991

James A. Goodman, P.E.
Water Rights Division
SD Dept. of Water and Natural Resources
Joe Foss Building
523 E. Capitol
Pierre, SD 57501-3181

Dear Mr. Goodman:

Enclosed is a copy of Notice of Completion of Works and Application of Water to beneficial use. Also, enclosed are copies of the chemical and bacteriological information required.

If you have any questions, please let me know.

Sincerely,

Blaine B. Barker, P.E.
City Engineer

Encl.

BBB/smm

**SOUTH DAKOTA STATE DEPARTMENT OF WATER AND NATURAL RESOURCES
WATER TESTING DATA AND REPORT FORM**

RESULTS OF TESTING ☒ Bacteriologically safe at the time of sampling. ☐ Bacteriologically unsafe for drinking or washing uncooked foods. ☐ Bacteriologically unsafe for swimming. ☐ Send recheck samples. See #7 on reverse side for recheck sampling instructions.	(DO NOT WRITE IN THIS SPACE) 	☐ Nitrate content not of concern. ☐ High Nitrate. Do not use for infants up to 6 months age.
--	---	---

FILL IN NAME AND ADDRESS OF PERSON TO RECEIVE REPORT

Name Blaine Barker
 Street or RFD 222 E. Oak
 City Pierre SD Zip Code: 57501
 Phone number: 224-7341 EP 1242

PLEASE PRINT CLEARLY
 (Sampling instructions on reverse side)

WATER SUPPLIES ONLY

Name of water supply: City of Pierre
 Sample Collector: D. Ripley
 Date collected: 12-27-90 Time: 2:00 PM
 Type of Supply: ☒ Public ☐ Private ☐ Other (Explain below)
 Source: Lake Stream Cistern ☒ Well Spring Gallery
 Type of Well: Drilled Dug Driven ☒ Bored
 Depth of Well: _____ Diameter of Well: _____
 Location of Sampling Tap: Well # 11 - discharge
 Purpose of Sample (specify): ☒ Routine ☐ Other (Explain below)
 Recheck of Unsafe Sample ☐ ☒ Other (Explain below)
 Remarks: ok for coliform - low well not on line

SWIMMING POOL OR BEACH ONLY

City: _____
 Name-Pool or Beach: _____
 Sample collector: _____
 Date: _____
 Pt. of Collection: _____
 Time of Collection: _____
 No. Swimmers present: _____
 Chlorine residual: _____ ppm.
 pH: _____

Nitrate _____ ppm. Hardness: _____ ppm. or _____ gpg. Iron: _____ ppm.
 Nitrogen: _____ ppm. Fluoride: _____ ppm. Manganese: _____ ppm.

ml. Portion	Number of Tubes	LST		BGB		Pos. Tubes	MPN	Membrane Filter	
		24 hours	48 hours	24 hours	48 hours			Bacteria	Total Coliform
10	5					0	2.2	Count _____ per 100 ml.	Bacteria Count _____ per ml.

Lab No. _____ Date Received 12-28-90 Date Reported 12-31-90

NR-610R-1-83



SOUTH DAKOTA DEPARTMENT OF WATER AND NATURAL RESOURCES
Office of Drinking Water
Chemical Analytical Data



Water Supply: City of Pierre

Date Collection: 12-27-90 Time: 2:00 PM

EPA ID #: 024250

Report to be Returned to: Blaine Barker

Source Sampled: # 11 Well Depth: _____

322 E Dek.

Date Built: 1990

Pierre SD

Type of Sample: Raw ☒ Treated _____ Composite _____

324-7341

Location of Sampling Tap: inside tap

Treatment Processes: raw treated

Comments: _____

Received by Lab: 12/27/90 Time: 3 PM

Report Sent by Lab: 1-4-91 ms

Parameter	Maximum Limit	Results	Parameter	Suggested Limit	Results
Arsenic	50 ug/L		✓ Chloride	250 mg/L	19.6
Barium	1000 ug/L		✓ Iron	0.3 mg/L	0.05
Cadmium	10 ug/L		✓ Manganese	0.05 mg/L	1.62
Chromium	50 ug/L		✓ Sulfate	250 mg/L	305
Lead	50 ug/L		✓ Tot. Diss. Solids (TDS)	500 mg/L	651
Mercury	2 ug/L		✓ Lab pH	6.5-8.5	7.75
✓ Nitrate (as N)	10 mg/L		✓ Alkalinity - M (CaCO3)	mg/L	291
Nitrite (as N)	1 mg/L		✓ Alkalinity - P (CaCO3)	mg/L	0
Selenium	10 ug/L		✓ Bicarbonate	mg/L	355
Silver	50 ug/L		✓ Carbonate	mg/L	6
✓ Fluoride	4.0 mg/L	0.45	✓ Spec Cond @ 25 °C	umhos/cm	954
Gross alpha	15 pCi/L		✓ Calcium	mg/L	76.9
Gross beta	pCi/L		✓ Magnesium	mg/L	35.6
Gross radium	pCi/L		✓ Hardness (CaCO3) gpg: 17.4	mg/L	297
Radium 226	pCi/L		✓ Langlier Index		0.23
Radium 228	pCi/L		✓ Sodium	mg/L	103
Uranium	pCi/L		✓ Potassium	mg/L	7.2
Radon	pCi/L		✓ Field temperature	°F	7.2 °C
VOCs			✓ Field pH	6.5-8.5	
Unregulated organics					
SOCs					
THMs					
LAB COMMENTS: Bill City Contract			mg/L = milligrams/Liter = parts/million (ppm)		
			ug/L = micrograms/Liter = parts/billion (ppb)		
			gpg = grains per gallon		
			pCi/L = picocuries/Liter		
Percentage of Error: 0.5/3.5			LAB NUMBER: 907746		



SOUTH DAKOTA DEPARTMENT OF WATER AND NATURAL RESOURCES

Office of Drinking Water

CHEMICAL ANALYTICAL DATA

Water Supply: Piecke
City, County: Piecke
Source Sampled: Well# " Depth 68'
Date drilled 11/30/89 Other
Type of Sample: Raw " Treated Composite
Treatment Process(s):

Date Collected: 12/5/89
Collected By: A. A. Backer
Report Mailed To: A. A. Backer
P.O. Box 1253
Piecke, S.D. 57501

Lat: Long:

Comments:

Received By Lab: 12-5-89 AF
Report Sent By Lab: 12-21-89 MS

Parameter	Maximum Limit	Results	Parameter	Suggested Limit	Results
Arsenic (As)	50 ug/l		✓ Chloride (Cl)	250 mg/l	24.8
Barium (Ba)	1000 ug/l		✓ Iron (Fe)	0.3 mg/l	1.29
Cadmium (Cd)	10 ug/l		✓ Manganese (Mn)	0.05 mg/l	2.09
Chromium (Cr)	50 ug/l		✓ Sulfate (SO ₄)	250 mg/l	201
Lead (Pb)	50 ug/l		✓ Tot. Diss. Solids (TDS)	500 mg/l	1394
Mercury (Hg)	2 ug/l		✓ pH	6.5-8.5	7.83
✓ Nitrate (NO ₃) (as N)	10 mg/l	0.2	✓ Alkalinity-M (CaCO ₃)	mg/l	283
Selenium (Se)	10 ug/l		✓ Alkalinity-P (CaCO ₃)	mg/l	0
Silver (Ag)	50 ug/l		✓ Bicarbonate (HCO ₃)	mg/l	345
Fluoride (F)	2.4 mg/l		✓ Carbonate (CO ₃)	mg/l	0
Gross alpha	15 pCi/l		✓ Spec. Cond. @ 25°C	umhos/cm	936
Gross radium	pCi/l		✓ Calcium (Ca)	mg/l	70.5
Radium 226	.5 pCi/l		✓ Magnesium (Mg)	mg/l	29.8
OTHER PARAMETERS			✓ Hardness (CaCO ₃) gpg:	17.5 mg/l	299
			✓ Langelier Index		0.36
			✓ Sodium (Na)	mg/l	1.2
			✓ Potassium (K)	mg/l	10.3
			Field temperature	°F	°C
			Nitrite (NO ₂) (as N)	mg/l	
STATE HEALTH LABORATORY					
500 E. Capital					
PIERRE, SD 57501-5098					
LAB COMMENTS: <u>July - Bill City Contract</u>			mg/l = milligrams/liter = parts/million (ppm)		
			ug/l = micrograms/liter = parts/billion (ppb)		
* tested after EPA holding time			gpg = grains per gallon		
Percentage of Error: <u>0.5/3.5</u>			pCi/l = picocuries per liter		
WNR - 606R - 6/82			LAB NUMBER: <u></u>		

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

Date January 10, 1991

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

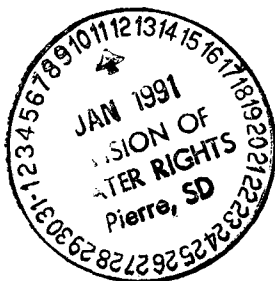
FROM: City of Pierre P.O. Box 1253 Pierre, SD 57501
name address city

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. 5212-3.

Water Permit No. 5212-3 states that the diversion system is to be constructed by October 6, 1993, and that the water it put to beneficial use by October 6, 1997.

The diversion system was completed on November 30, 1990.
Applying the water to beneficial use was completed on January 1, 1991.

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



Blair H. Bond

signature



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

January 26, 2000

5212-3
5583-3

City of Pierre
%Steve Dietz
P.O. Box 1253
Pierre, SD 57501

Dear Mr. Dietz:

The investigation of your water use systems was conducted on August 6, 1999, by Lynn Beck, staff engineer. The investigation included the extent of application of water to beneficial use, as developed under Water Permit Nos. 5212-3 and 5583-3. Your final water right documents, the Water Licenses, can now be issued.

Statutes require that we charge a \$50.00 fee per license (\$100.00 total) for the investigation and issuance of the Water Licenses. Upon receipt of the \$50.00 fee per license (\$100.00 total) from you, we will begin processing your Water Licenses.

**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 numbers. This will insure proper handling of the fee.

NOTES

RECEIPT

DATE 03/31/02 NO. 8247

RECEIVED FROM City of Pierre

ADDRESS Pierre solid Waste Fee \$ 1474.00

FOR 1374 - SW Fee 100 - FWR Perm's

AS 5212-3, 5583-3

ACCOUNT			HOW PAID		
AMT. OF ACCOUNT			CASH		
AMT. PAID			CHECK	☒	
BALANCE DUE			MONEY ORDER		

BY Barbara Hanett

©1998 REDIFORM® 8LS06



AUG 25 2000

**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

6202-3

City of Pierre
c/o Fred R. Snoderly
PO Box 1253
Pierre SD 57501

Dear Mr. Snoderly:

Enclosed is Water Permit and License No. 6202-3. This is the final water right document completing the city's process of obtaining a Water Right.

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. 6202-3, constructs a replacement well and does not plan to use the old well, the old well is considered abandoned and must be plugged. Also, any well that is being used or is not considered abandoned must be valved and controlled, if flowing, or sealed and capped so that no leaking occurs either underground or at the surface.

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

NOTE: The applicable portions of No. 5212-3 are incorporated into Water License No. 6202-3.

enclosures