

Considered: _____

WATER PERMIT NO. 5462-3Phone: 886-5733Name of Applicant: City of WatertownPost Office Address: 901 4th Avenue S.W., Watertown, SD 57201Amount of Water Claimed: 1.1 cfs Total Acres: N/ASource of Water Supply: groundwaterWater to be used for: Municipal purposes County: CodingtonAbout _____ miles _____ of at Watertown

PROOF OF PUBLICATION: Received _____ Not Received _____

APPLICATION: Approved _____ Subject to _____

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

PRIORITY Date Received: July 3, 1990 Fee: \$350 Remarks _____Corrected Application Received _____ Period of Annual Use Jan. 1 - Dec. 31

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

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

Diversion Point: SE1/4 SW1/4 Sect. 25 T117N-R53W

Land to be Irrigated: _____

		2:5			

Well Log: Driller: Bullis Brothers Licensed YES X NO _____Depth of Well: 30' REMARKS _____Type of Map: Plat PREPARED BY: Fred Rittershaus Reviewed and the NumberAssigned on 7/5/90 By Eric Gronlund

Daily

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

66

No. 5462-3 Hydrologic Unit 10170202
Map No. _____ Basin Big Sioux River
Newspaper Watertown Public Opinion, Box 10, 57201

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

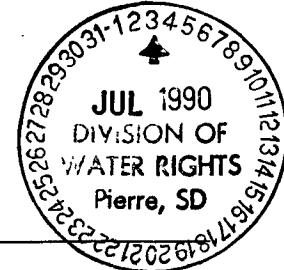
New ☒ Vested Right ☐ Future Use ☐ Change Use ☐

☐ 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. _____



- Name of Applicant City of Watertown Phone No. 605/886-5733
Post Office Address 901 4th Avenue S.W., Watertown State S.D. 57201
(Street, RR or Box) (City) Zip Code
- Amount of water claimed (c.f.s) 1.1 CFS
- Source of water supply Shallow Underground Aquifer
- Location of point of diversion SE 1/4 of SW 1/4 Section 25-T117N-R53W (See Attached Map)
53
- Counties where water will be used Codington
- Annual period during which water is to be used January 1 through 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)

The proposed well will supplement the City of Watertown's water supply. The well is located near an existing raw water transmission line; therefore, costs associated with transferring raw water to the Water Treatment Plant will be minimal. Size of pump will be determined following test pumping of the aquifer.

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 CODINGTON)^{ss}

I, Robert Nichols, Chairman, Utility Board 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 Robert Nichols

Subscribed and sworn to before me this 25th day of June 1990

Donna M. Thompson
Notary Public

**SOUTH DAKOTA
WATER PERMIT No. 5462-3**

Date of first receipt of application July 3, 1990.

Date of return to applicant for corrections, amendments or changes
July 5, 1990.

Date of receipt of corrected application July 9, 1990.

The Water Management Board approved Water Permit Application No. 5462-3 on October 3, 1990 for the City of Watertown, 901 4th Avenue S.W., Watertown, SD 57201 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. 5462-3 appropriates 1.1 cubic feet of water per second (480 acre-feet annually) from one well (Big Sioux North Aquifer) 30 feet deep to be located in the SE1/4 SW1/4 Section 25 T117N-R53W.
2. The water appropriated shall be used for the purpose of providing city 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 July 3, 1990.
5. One-fifth of the construction is to be completed on or before April 3, 1993.
6. All construction is to be completed on or before October 3, 1995.
7. Water is to be put to beneficial use on or before October 3, 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. 5462-3 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted with cement (bottom to top) from the producing formation to the surface pursuant to Section 74:02:04:30.

(continued)

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.
3. Approval of Permit No. 5462-3 authorizes total annual withdrawals of 480 acre-feet.

WATER MANAGEMENT BOARD

By: _____

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

MAR 27 1991

(date)

Supplemental Information

(type or print in ink)

1. Well Information - Proposed construction

- a) Drill Hole Diameter 24 inch Depth 30 Ft.
- b) Casing Type Steel Diameter 12 Thickness 0.375 inches
- c) Screen Type Stainless Steel Diameter 12 Thickness Wire Wrapped
- d) Gravel Pack Thickness 6 inches Length of Gravel Pack 20 Ft.
- e) Depth to Top of Water Bearing Material 2 Ft.
- f) Depth to Water (ground surface to water level) 7 Ft.
- g) Distance to nearest existing domestic well:
On applicants property 560' ± (City Well #10) On property owned by others 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) Primary Outlet Capacity _____
If Pipe, diameter _____

f) Secondary Spillway Capacity _____
Spillway width _____

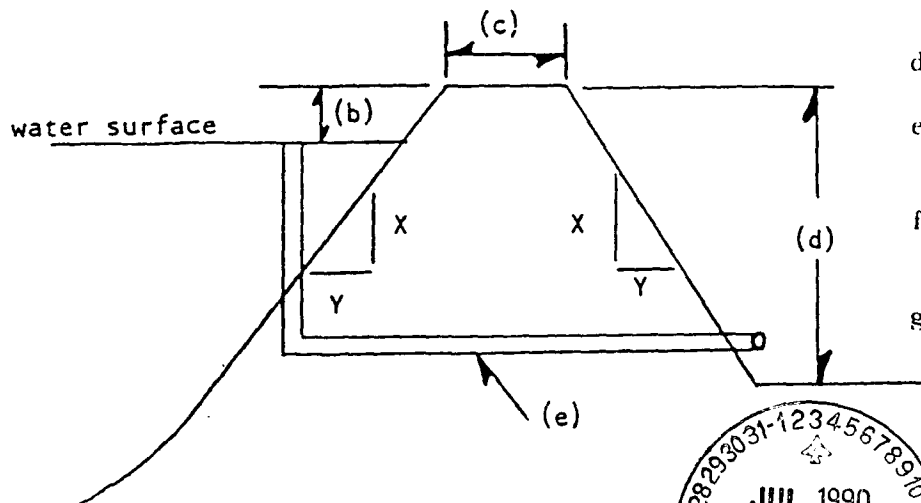
g) X & Y Slope
Upstream _____

Downstream _____

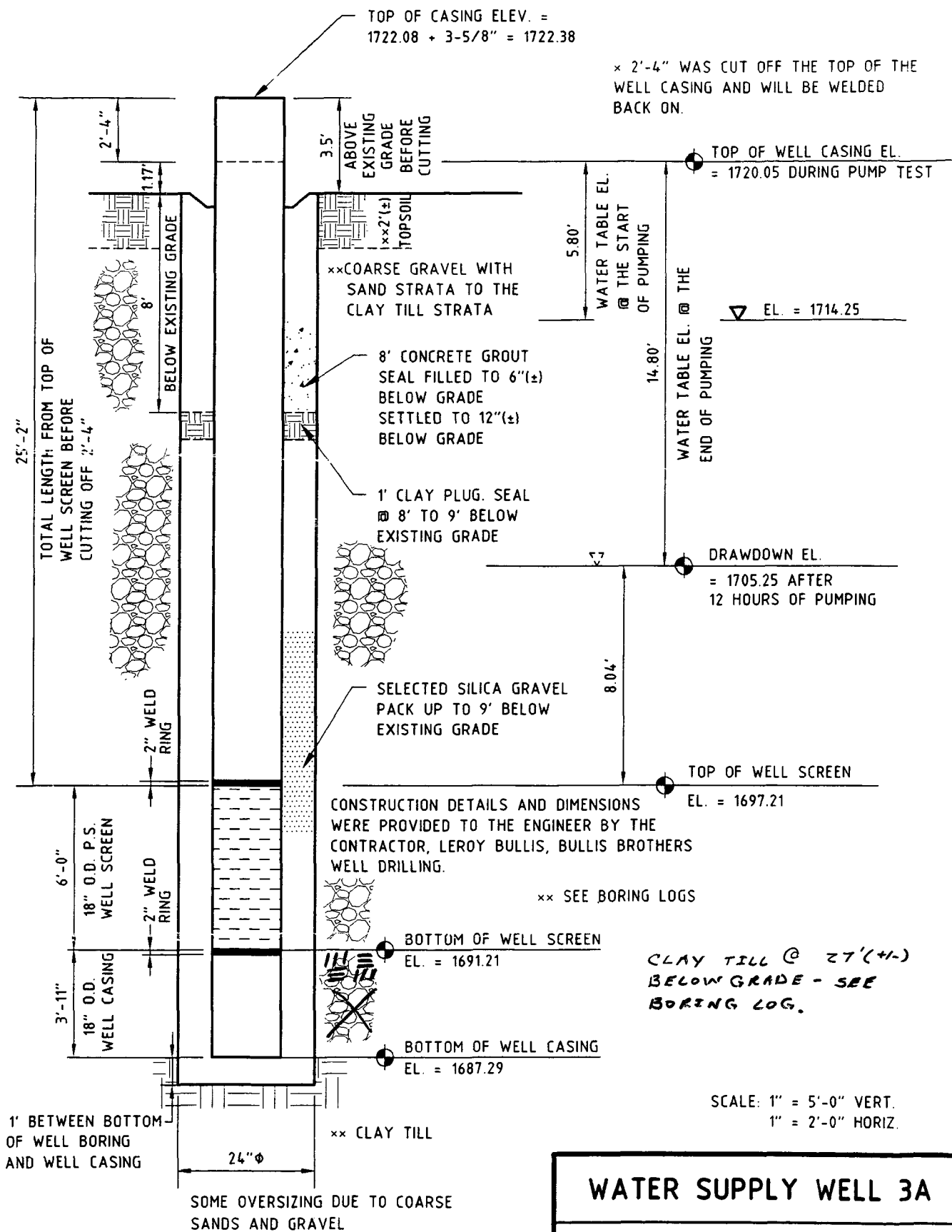
Surface Area of Impoundment _____

Storage _____ acre feet

Drainage area above dam _____



Signature of Applicant _____



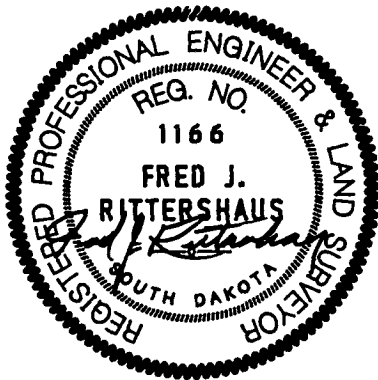
WATER SUPPLY WELL 3A

CITY OF
WATERTOWN, SOUTH DAKOTA

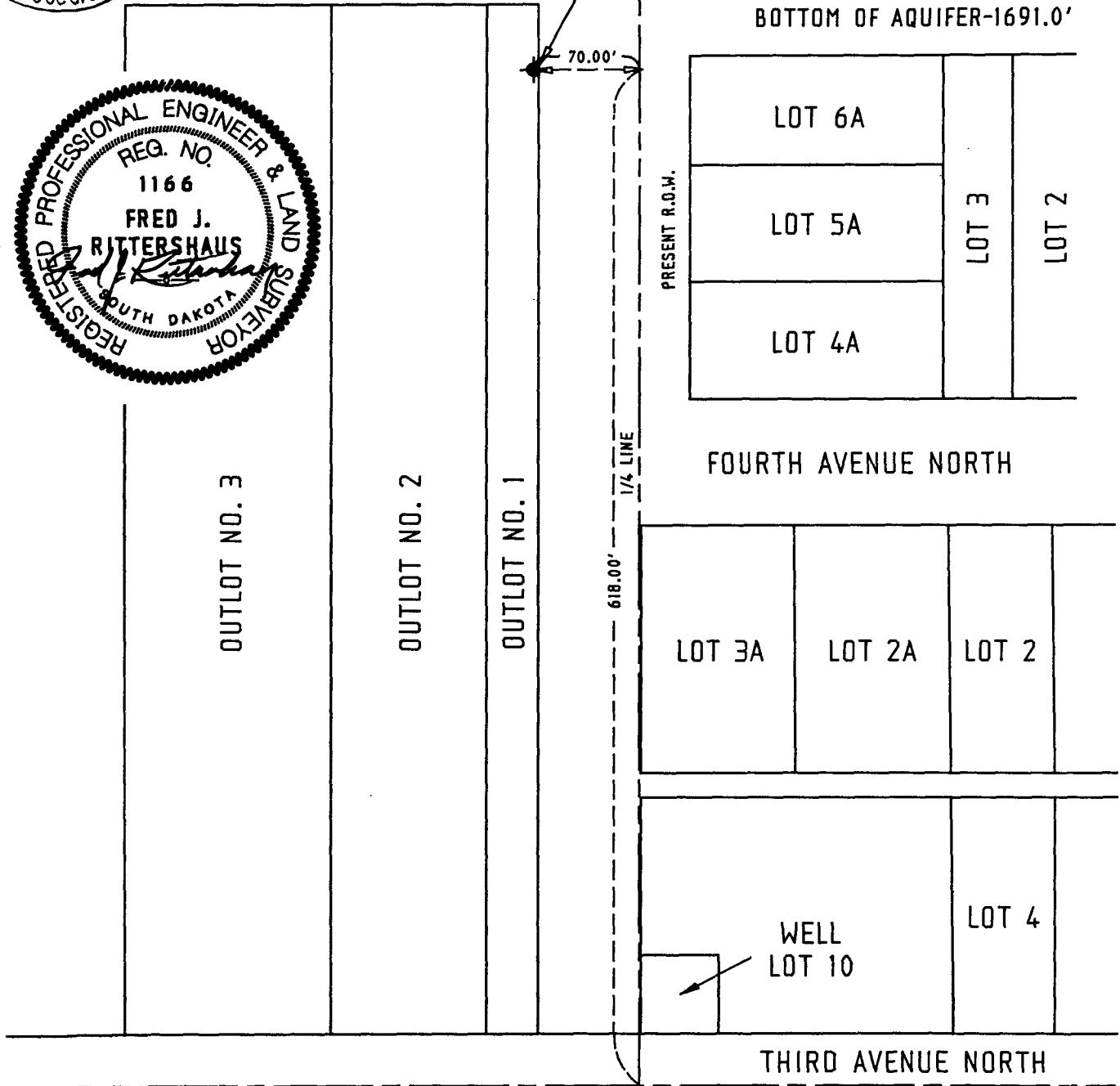
WATER DIVERSION POINT MAP

SE1/4 SW1/4 SECTION 25-T117N-R53W, 5th P.M.

CITY OF WATERTOWN SOUTH DAKOTA



CITY OF WATERTOWN, S.D.
 PROPOSED WELL NO. 3 A
 DIVERSION POINT.
 ELEVATION:
 GROUND-1718.6'
 BOTTOM OF AQUIFER-1691.0'



SCALE
 1"=100'

SE CORNER OF SW1/4 SECTION 25-
 T117N-R53W, CITY OF WATERTOWN,
 SOUTH DAKOTA

PREPARED BY:
 BANNER ASSOCIATES, INC.
 BROOKINGS, SOUTH DAKOTA

5462-3

Duane Bullis
1120 North Broadway
886-6746

Date 6-6 1990

4TH Ave & 13TH ST NW (1/2 Block N)

Casing		
Length	Diam.	Type

Screen		
Length	Diam.	Slot & Type

Completed depth _____

Comments ST2TIC
Water Level
2' 4"



TABLE V-1

EXISTING WATER SUPPLY SOURCES - RIGHTS - YIELDS - FACILITIES

Source	Water Right			Priority Date	Yield G.P.M.	Facility	Pump Data	Date Constructed
	No.	Amount G.P.M.	Type					
Lake Kampeska	347-3	1200	Vested	1888	1200	Filtration Plant		1923-24
Well No. 1	348-3	360	Vested	1932	120	24" x 26' Well	Turb.	1933
Well No. 2	349-3	400	Vested	1933	400	24" x 31' Well	Turb. 500 gpm - 210 TDH	1933
Well No. 3	350-3	360	Vested	1933	360	24" x 27' Well	Turb. - 360 gpm - 212 TDH	1933
Well No. 4	351-3	504	Vested	1934	415	24" x 24' Well	Turb. - 500 gpm - 250 TDH	1934
Well #4 USED FOR IRRIGATION PURPOSES ONLY								
Well No. 5	352-3	504	Appro. Well #5	12-3-56 ABANDONED	300	12" x 30' Well	Turb. - 500 gpm -	1956
Well No. 6	353-3	300	Abandoned					
Well No. 7	354-3	500	Abandoned					
Well No. 8	1097-3	350	Appro. Well #8	12-3-56 ABANDONED	350	18" x 31' Well	Turb. 350 gpm - 292 TDH	1963
Well No. 9	1271-3	250	Appro.	12-3-56	310	30" x 30' Well	Turb. 310 gpm -	1965
Well No. 10	1716-3	360	Appro.	12-3-56	360	30" x 37' Well	Turb. 360 gpm	1966

(continued on next page)

TABLE V-1 (cont'd)

EXISTING WATER SUPPLY SOURCES - RIGHTS - YIELDS - FACILITIES

Source	Water Right			Yield G.P.M.	Facility	Pump Data	Date Constructed
	No.	Amount G.P.M.	Priority Date				
✓ Well No. 11	2239-3	400	9-2-65	400	18" x 34' Well	Vertical Turbine	July 6, 1976
✓ Well No. 12	2239-3	400	9-2-65	400	18" x 34' Well	Turbine (Submersible)	July 6, 1976
✓ Well No. 13	2239-3	400	9-2-65	400	18" x 34' Well	Turbine (Submersible)	July 6, 1976
Well No. 14	3022-3	200	9-2-65	190	18" x 28' Well	Turbine (Submersible)	Jan. 21, 1977
Well No. 15	2757-3	350	9-2-65	300	18" x 34' Well	Turbine (Submersible)	Oct. 22, 1976
Well No. 16	2757-3	550	9-2-65	350	18" x 42' Well	Turbine (Submersible)	Oct. 22, 1976
Well No. 17	3022-3	400	9-2-65	400	18" x 42' Well	Turbine (Submersible)	Jan. 21, 1976
Future	1218-3 2107-3	SW1/4 Section 11 and NW1/4 Section 14, T117N, R53W, 5PM	FUTURE + 3,700 ON 5862-3 WITH 2575 ON 5862-3 DEFERRED ACRE-FT				
*From future right #1218-3 Balance in Reserve 5922 GPM (19.16 CFS) 3,232 ACRE-FT ON 1218-3 AND 2107-3							
✓ WELL NO. 19	5233-3	280	9-2-65	280	18" x 40' WELL	TURBINE (SUBMERSIBLE)	JULY 27, 1989
✓ WELL NO. 20	5683-3	300	9-2-65	300	18" x 40' WELL	TURBINE (SUBMERSIBLE)	DEC. 31, 1992
✓ WELL NO. 3A	5462-3	300 APPRO.	9-2-65	300	18" x 40' WELL	VERTICAL TURBINE	JULY 1, 1985

EXISTING WATER SUPPLY SOURCES — RIGHTS — YIELDS — FACILITIES

SOURCE	WATER RIGHT			YIELD G.P.M.	FACILITY	DATE CONSTRUCTED
	AMOUNT G.P.M.	TYPE	PRIORITY DATE			
Lake Kampeska	1200	Vested	1888	1200	Filtration Plant	1923-24
Well No. 1	360	Vested	1932	120	24"x26' Well	1933
Well No. 2	360	Vested	1933	400	24"x31' Well	1933
WELL NO. 3A → Well No. 3	360	Vested	1933	360	24"x27' Well	1933
Well No. 4*	504	Vested	1934	415	24"x24' Well	1934 ← 1995
Well No. 9	250	Approp.	1956	310	30"x30' Well	1965
Well No. 10	360	Approp.	1956	360	30"x37' Well	1966
↑ - Well No. 11	400	Approp.	1965	400	18"x34' Well	1976
↑ - Well No. 12	400	Approp.	1965	400	18"x34' Well	1976
↑ - Well No. 13	400	Approp.	1965	400	18"x34' Well	1976
↑ - Well No. 14	200	Approp.	1965	190	18"x28' Well	1977
↑ - Well No. 15	350	Approp.	1965	300	18"x34' Well	1976
↑ - Well No. 16	550	Approp.	1965	350	18"x42' Well	1976
↑ - Well No. 17	400	Approp.	1965	400	18"x42' Well	1976
↑ - Well No. 18	280	Approp.	1988	280	18"x42' Well	1989
↑ - Well No. 19	280	Approp.	1988	280	18"x42' Well	1989
↑ - Well No. 20	280	Approp.	1988	280	18"x42' Well	1989
↑ - Well No. 21	300	Approp.	1991	300	18"x42' Well	1992
↑ - Well No. 22	300	Approp.	1991	300	18"x42' Well	1992
↑ - Well No. 23	300	Approp.	1991	300	18"x42' Well	1992
↑ - Well No. 24	300	Approp.	1991	300	18"x42' Well	1992

*Used for irrigation purposes only.
SOURCE: The City

WATER TREATMENT FACILITIES

The Utility includes two water treatment facilities, the "Lake Kampeska Plant" and the "Sixth Avenue Plant."

Lake Kampeska Plant. The Lake Kampeska Plant treats water from Lake Kampeska and was originally constructed by a private company in 1887 and was acquired by the City in 1924. The Lake Kampeska Plant is operated continuously as a "base load" source of treated water for the Utility.

The first major improvements to the Lake Kampeska Plant were made during 1968 and 1969. These improvements updated and renovated the facility and converted the all-manual operation to semi-automatic operation. Specific additions included expanded storage areas for treatment chemicals and the centralizing of motor control and alarm monitoring in a supervisory motor control center. In addition, chemical feeders were replaced and modifications were provided for chemical feed rate pacing. Chemical handling equipment including bucket elevators and chemical feed screw conveyors were installed. Heating and ventilation system replacements were provided. This plant is capable of treating about 2

RECEIPT

Division of Water Rights

South Dakota Department of Water and Natural Resources

412308

Pierre, July 9, 19 90

RECEIVED OF City of Watertown 801 4th Avenue, Watertown, SD 57201

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

Fee for Application for Permit No. <u>5462-3</u> to Appropriate Water, to construct works and to put water to beneficial use _____	350	00
Fee for Application for Permit No. _____ to Appropriate Water for Future Use _____		
Fee to retain Future Use Permit No. _____ after period of seven years.		
Fee for Inspecting Constructed Works, confirming beneficial use and issuing Water License No. _____		
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	350 00

By

Chief Engineer

John Hatch



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

July 5, 1990

Robert Nichols, Utility Board Chairman
City of Watertown
901 4th Avenue S.W.
Watertown, SD 57201

Dear Mr. Nichols:

This letter is in regards to the City of Watertown's water permit application received by this office on July 3, 1990. The \$340 filing fee submitted with the application is incorrect. The proper fee is \$350. Enclosed is your original check, please remit the proper amount to this office.

Also, is the 1.1 cfs that is claimed going to be used continuously? If not, what is the yearly volume of water to be used from this well (ie.- acre feet).

Please submit the correct fee and I will continue with processing the city's application.

Sincerely,

Eric Gronlund
Water Rights Division
605 773-3352

enc.

REPORT ON APPLICATION NO. 5462-3
FOR THE CITY OF WATERTOWN
August 20, 1990

This application proposes to appropriate 1.1 cfs from one well approximately 30 feet deep to be located in the SE 1/4 SW 1/4 of section 25, T117 R53W in Codington County. The water is to be used for municipal purposes by the City of Watertown.

AQUIFER - BIG SIOUX NORTH (BS-N)

The Big Sioux North (BS-N) is an alluvium mantled outwash (sand and gravel) which is under water table conditions in this area. The BS-N aquifer underlies 67,300 acres and contains an estimated 151,430 acre feet of recoverable water in Codington County (Hedges, 1982). The BS-N aquifer is hydraulically connected to the Big Sioux River and to Lake Kampeska. Recharge to the aquifer is by rainfall and snowmelt and is estimated to range from 2.7 to 6.9 inches per year if the flow net analysis is ignored (Hedges, 1983).

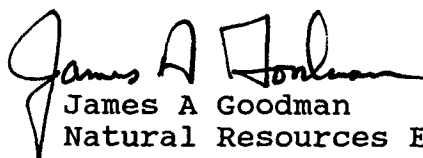
The Division of Water Rights has 21 observation wells completed into the BS-N aquifer in Codington County. Three of these wells CD-77F, CD-60C and CD-59A are located within 3 miles of this diversion. Records for these wells indicate water levels respond to climatic conditions, that is, rising during wet years and gradually declining during dry years. Recharge will occur rapidly when water is available. The observation well record indicates present water usage does not affect water availability from the aquifer. The BS-N aquifer can sustain additional withdrawals (Water Rights, 1990).

REVIEW OF EXISTING WATER RIGHTS/PERMITS

This diversion point will be located approximately 600 feet from existing City Well No. 10 and City Well No. 1. This well will be in between these two diversions. Interference is not expected to be a problem. Significant drawdowns caused by pumping do not extend very far from the production well in aquifers like the BS-N. The City will be able to manage pumping times and minimize potential affects. According to the observation well record, the aquifer can be expected to fluctuate 5 to 8 feet between the highest to lowest water levels recorded. There may be times during extended droughts when these wells will not produce the amount of water needed mainly because the aquifer is relatively thin. There are no other existing Water Permits/Rights which could be affected.

CONCLUSIONS

1. Water is available for the BS-N aquifer.
2. Interference is not expected to be a problem. Drawdowns due to pumping are not expected to be significant. The City can manage pumping times and rates to minimize any potential effects should they occur.
3. This application authorizes an annual diversion of 480 acre feet.
4. This well must be completed in accordance with SD Well Construction Standards (74:02:04:30).
5. This application does not take water from the existing future use allocation for the City of Watertown.



James A Goodman
Natural Resources Engineer

BIBLIOGRAPHY

- Hedges, L.S., 1982, EVALUATION OF GROUNDWATER RESOURCES, EASTERN SD AND UPPER BIG SIOUX RIVER, SD AND IOWA, for US Army Corps of Engineers, SD DWR, SDGS, Vermillion, SD, 57069.
- Hedges, L.S., 1983, same, TASK 7, GROUND WATER RECHARGE, SD DWR, SDGS, Vermillion, SD, 57069.
- Water Rights, 1990, unpublished OBSERVATION WELL RECORDS FOR THE BS-N AQUIFER IN CODINGTON COUNTY, SD DWR, Div. of Water Rights, Pierre, SD, 57501.

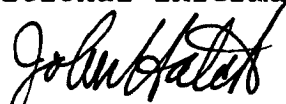
RECOMMENDATION OF CHIEF ENGINEER FOR WATER PERMIT
APPLICATION NO. 5462-3, City of Watertown

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. 5462-3, City of Watertown, 901 4th Ave SW, Watertown SD.

The Chief Engineer is recommending APPROVAL of Application No. 5462-3 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 well authorized by Permit No. 5462-3 shall be constructed by a licensed well driller and construction shall comply with Water Management Board Well Construction Rules, Chapter 74:02:04 with the well casing pressure grouted 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.
3. Approval of Permit No. 5462-3 authorizes total annual withdrawals of 480 acre feet.

See report on application for additional information.


JOHN HATCH, Chief Engineer
August 22, 1990



Department of Water & Natural Resources

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

August 24, 1990

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

Robert Nichols
City of Watertown
901 4th Avenue SW
Watertown SD 57201

Dear Mr. Nichols:

Water Permit Application No. 5462-3 for municipal use has been examined and found to comply with the South Dakota Water Laws and applicable rules. A notice of hearing has been sent to the Publisher of the Public Opinion printed at Watertown SD. For your information, a copy of the notice is enclosed. Copies of the report and the Chief Engineer's recommendation are also enclosed. Please review the notice prior to publication and notify this office, if you have any corrections or questions.

Be sure to contact the above newspaper to authorize publication of your Notice of 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 twenty days before the board meeting. We must receive Proof of Publication before the application can be considered by the Water Management Board.

Sincerely,

A handwritten signature in cursive script, appearing to read "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

August 24, 1990

Watertown Public Opinion
Box 10
Watertown SD 57201

ATTN: Legal Publications:

Enclosed is a Notice of Hearing on Application No. 5462-3 to be published twice. Please publish the first notice on or before September 5, 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 Watertown, 901 4th Avenue SW, Watertown SD 57201.

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 September 5, 1990 with 2nd publication 7 days later. The applicant is responsible for payment.

NOTICE OF HEARING on Application No. 5462-3 to Appropriate Water

Notice is given that the City of Watertown, 901 4th Avenue SW, Watertown SD 57201 has filed an application for a water permit to appropriate 1.1 cubic feet of water per second from one well (Big Sioux North Aquifer) 30 feet deep to be located in the SE1/4 SW1/4 Section 25-T117N-R53W. The water is to be used for municipal purposes by the City of Watertown.

Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights Division recommends APPROVAL of Application No. 5462-3 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 the Community Room, Brule Co. Courthouse, 300 S. Courtland, Chamberlain, SD on October 3, 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 September 21, 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 September 21, 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; Board Rules ARSD 74:02:01:01 thru 74:02:01:15.



PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
) ss.
 County Codington)

I, Monica K. Saathoff
 certify that the attached printed Notice was taken
 from the Watertown Public Opinion

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

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

September 1st, 1990
September 8th, 1990

Monica K. Saathoff
 (Signature)

Bookkeeper
 (Title)

September 8th, 1990
 (Date Signed)

WATERTOWN

NOTICE OF HEARING ON APPLICATION NO. 5462-3 TO APPROPRIATE WATER

Notice is given that the City of Watertown, 901 4th Avenue SW, Watertown, SD 57201 has filed an application for a water permit to appropriate 1.1 cubic feet of water per second from one well (Big Sioux North Aquifer) 30 feet deep to be located in the SE 1/4 SW 1/4 Section 25-T117N-R53W. The water is to be used for municipal purposes by the City of Watertown. Pursuant to SDCL 46-2A-2, the Chief Engineer of the Water Rights

Division recommends APPROVAL of Application No. 5462-3 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 the Community Room, Brule Co. Courthouse, 300 S. Courtland, Chamberlain, SD on October 3, 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) 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 21, 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 20 days upon written request to the Chief Engineer from the applicant or a petitioner. The request for a delay must be received by September 21, 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; Board Rules ARSD 74:02:01:01 thru 74:02:01:15.
 (September 1, 8, 1990)

Cost of Printing: 77.00



DEPARTMENT OF WATER & NATURAL RESOURCES

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

MAR 27 1991

Robert Nichols
City of Watertown
901 4th Avenue SW
Watertown, SD 57201

Dear Mr. Nichols:

Enclosed is Water Permit No. 5462-3 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 the Water Permit.

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

Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights 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.



DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

NOTICE OF INTENT
TO RECEIVE COVERAGE UNDER THE
GENERAL PERMIT FOR TEMPORARY DEWATERING
AND A TEMPORARY WATER USE PERMIT

This form is provided by the Secretary of the South Dakota Department of Environment and Natural Resources in accordance with §74.03:18.09 of the Administrative Rules of South Dakota. No South Dakota Surface Water Discharge Permit will be issued except under completion, and submittal of this form to the following addresses:

original to: South Dakota Department of Environment
and Natural Resources
Point Source Control Program
Joe Foss Building
523 East Capitol Avenue
Pierre, South Dakota 57501-3181
Telephone: (605) 773-3351 FAX: (605) 773-4068

copy to: U.S. Environmental Protection Agency
Region VIII
NPDES Branch (8WM-C)
999 18th Street, Suite 500
Denver, CO 80202-2466
Telephone: (303) 293-1260

PLEASE PRINT OR TYPE

- Name of Facility: WATER TOWN MUNICIPAL UTILITIES DEPT.
- Mailing Address of Owner:

Name Municipal Utilities Dept.
Street 901 4th Ave. S.W.
City WATER TOWN
State S.D. County Cod. Zip Code 57201
- Mailing address of facility (if different from owner):

Name Same
Street _____
City _____
State _____ County _____ Zip Code _____
- Telephone Number:

Owner: (605) 886-5733 Facility: () Same Fax: ()
- Standard Industrial Classification (SIC) Code of facility: _____
- Is this facility located in Indian country? ☐ Yes ☒ No
- Please list all the activities which require the applicant to obtain a discharge permit.
Development + Test Pumping of
New City Well between 4th + 5th Avenue on 13th St NW
by new water plant
- Estimate the following:

Date water withdrawal will commence: 4-19-95 Date for commencement of discharge: 4-19-95
Termination date of withdrawal: 4-25-95 Termination date of discharge: 4-25-95
Total volume of withdrawal: 504,000 gals Total volume of discharge: 504,000 gals
Average flow rate of withdrawal: 350 gpm Average flow rate of discharge: 350 gpm
- Source of water which is to be discharged: City Supply well (Test Pumping)
- Name of Receiving Waters: Storm Sewer Sioux River
- Brief description of water treatment processes employed, if any: None

JAG 5/19/95

MAN NEED WATER PERMIT - Permit # 5462-3

FOR ADDENDUM USE ONLY

Permit Number: _____	Date Received: _____
Permit Issued: _____	Permit: _____

12. Describe the discharge and the type of wastewater from each outfall. Include all overflows, bypasses, or discharges from holding ponds, trenches, excavations, vessels, pipelines, etc.:

Outfall 001 Direct Discharge from well To Storm Sewer
Outfall 002 To Sioux River
Outfall 003 _____

Attach additional sheets if necessary.

NOTE: Please place points of discharge on a topographic map, or other map if a topographic map is unavailable. This map should extend to one (1) square mile beyond the property boundaries of the facility and each of its discharge facilities, and those wells, springs, and other surface water bodies, drinking water wells, and surface water intake structures listed in public records, or otherwise known to the applicant in the map area.

13. Is there any reason to believe that the discharge may contain any pollutant other than those limited in the permit (i.e. TSS and TPH)? ☐ Yes ☒ No _____

If yes, list any pollutants that may be present: _____

NOTE: Attach any analytical data which indicate levels of pollutants present in water to be discharged.

If requesting coverage for Hydrostatic Testing related discharges, complete questions 14-17.

14. Type of vessel being tested: _____

15. Material from which vessel is constructed: _____

16. Check appropriate box: ☐ Vessel has been previously used ☐ Vessel is virgin material

17. Description of fluid material normally contained/transported through the vessel: _____

18. List other information which you feel should be brought to the attention of the SDDNR regarding coverage under this general permit. NOT aware of anything

Attach additional sheets if necessary.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including revocation of the permit and the possibility of fine and imprisonment for knowing violations.

NOTE: Notice of Intent must be signed by the authorized chief elective or executive officer of the applicant, or by the applicant, if an individual.

Name (print) Le Roy Bullis (Bullis Bros)
Title Partner
Date 4-18-95
Signature Le Roy Bullis

Subscribed and sworn to before me this 18 day of April, 19 95

Deborah K. Broid My commission expires 3/31/03
Notary Public

FAX TRANSMITTAL MEMO
TO: Lonnie Steink
DEPT: PSC FAX #: _____
FROM: NRU PHONE: _____
CO: park FAX #: _____
Post-It and fax transmittal memo 7671

NO. OF
PAGES

4

CONSULTING ENGINEERS & ARCHITECTS

BANNER ASSOCIATES, INC.
409 22nd Avenue South • P.O. Box 298
Brookings, South Dakota 57006-0298
(605) 692-6342
FAX: (605) 692-5714

August 31, 1995



Eric Gronlund
Water Rights Division, DWNR
Joe Foss Building
Pierre, SD 57501-3181

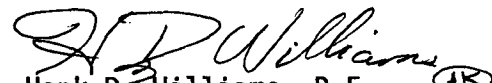
RE: Water Supply Well No. 3A
Watertown, SD
BAI No. 7708-03

Dear Mr. Gronlund:

Pursuant to completing Water Supply Well No. 3A and placing same on line, we are transmitting herewith one (1) copy of "Notice of Completion of Works and Application of Water to Beneficial Use".

In the event you have any questions in this regard, you are advised to contact Daryl C. Englund, or the undersigned at your earliest convenience.

Respectfully Submitted,


Hank D. Williams, P.E. (R)

HDW/jmk

Enclosure

cc: Harlan Hoy (w/Enclosure)



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

August 22, 1996

Watertown Municipal Utilities
Harlan Hoy, Water Superintendent
901 Fourth Avenue SW
Watertown, SD 57201

Dear Mr. Hoy:

I am writing this letter in reference to my August 13, 1996, inspection for licensing of the City of Watertown's municipal wells authorized by Permit Nos. 2239-3, 5233-3, 5462-3, and 5683-3. There is some additional information that I need in order to complete the licensing procedure.

I made a review of our files and was unable to find the as-built well logs for city well Nos. 11, 12, and 13 covered by permit No. 2239-3 and for well Nos. 21, 22, 23, and 24 covered by permit No. 5683-3. I was able to find the well logs for well Nos. 3A, 18, 19, and 20. Will you please send me copies of these well logs. Jeff Deville indicated that you did not have a copy of the well log for well No. 3A, so I am enclosing a copy of that well log for your files.

Also could you please provide information concerning make, model, size and capacity of the submersible pumps and motors installed in well Nos. 12, 13, 18, 19, 20, 21, 22, 23, and 24.

If you have any questions, please contact me at phone (605) 773-3352.

Sincerely,

Mark D. Rath
Natural Resources Engineer
Water Rights Program

enclosures

BANNER ASSOCIATES, INC.
409 22nd Avenue South • P.O. Box 298
Brookings, South Dakota 57006-0298
(605) 692-6342
FAX: (605) 692-5714

October 8, 1996

Harlan Hoy, Water Superintendent
Watertown Municipal Utilities Department
901 Fourth Avenue S.W.
Watertown, S.D. 57201

RE: Water Supply Wells
Pump and Motor Information
BAI 7796-02



Dear Harlan:

In accordance with your recent telephone request and DENR letter, dated August 22, 1996 the following information is attached hereto:

1. Well No. 11 Cross-Section and Well Log
2. Well No. 12 Cross-Section and Well Log
3. Well No. 13 Cross-Section and Well Log
4. Well No. 21 Cross-Section and Well Log
5. Well No. 22 Cross-Section and Well Log
6. Well No. 23 Cross-Section and Well Log
7. Well No. 24 Cross-Section and Well Log

Please note that the pump and motor information are indicated for each well on the applicable Cross-Section. Pump and motor information for Well Pumps 18, 19 and 20 are as follows:

Each has a Submersible Jacuzzi with 10 HP Hitachi motor;
Each has a 6" diameter column pipe;
Each has a 1 Stage 8LC bowl;
Each has a 300 gpm capacity;

If you have any questions regarding the above, please do not hesitate to contact our office.

Sincerely,

A handwritten signature in cursive script that reads "Daryl Englund".

Daryl Englund, P.E. & L.S

Enclosures

Attach. No. 1 - Cross-Section & Logs - Well No's. 11, 12 and 13
Attach. No. 2 - Cross-Section & Logs - Well No's. 21, 22, 23 and 24

Permit No. 5462-3
Big Sioux River - Water District

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

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

On, August 13, 1996, I made a thorough examination of the water use system constructed by the city of Watertown of 901 Fourth Ave SW, Watertown SD holder of Permit No. 5462-3, bearing the priority of July 3, 1990 authorizing the diversion of 1.1 cu. ft. per second of the waters of groundwater, Big Sioux North Aquifer for Municipal purposes, in Codington County.

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

A. Works used to divert the water:

A Fairbanks-Morse pump with a 500 gpm capacity

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

The city's municipal distribution system

The system is in the following condition good. The point of diversion is located From the SE Corner of Section 25 T117N-R53W: 580 ft N, 2700 ft W. The works are capable of diverting and conveying to the place of use 1.11 cu. ft. per which is to be used for municipal purposes. Water has been put to beneficial use and the license should be issued for 1.1 cfs.

Applicable permit qualifications have been complied with: yes

Exceptions to compliance are: none



Mark D. Rath

Natural Resources Engineer
DENR, Water Rights Program

12/18/96

Date

REPORT ON INSPECTION OF PERMIT NO. 5462-3

DATE OF INSPECTION: 8/13/1996

Contact Person & Address: Jeff DeVille, 901 4th Ave SW, Watertown, SD

**DIVERSION POINT LEGAL LOCATION: From the SE Corner of Section 25
T117N-R53W: 580 ft N, 2700 ft W**

WATER SUPPLY Source: groundwater, Big Sioux North Aquifer

Well Information:

- | | |
|---|-------------------------------------|
| 1) Well Drilling Firm: <u>Bullis Bros</u> | 2) No. of Wells <u>1</u> |
| 3) Depth(s) <u>32</u> feet | 4) Well log is available <u>yes</u> |

Casing:

- | | |
|------------------------------|--------------------------|
| 1) Diameter <u>18</u> inches | 2) Length <u>22</u> feet |
| 3) Type <u>steel</u> | |

Screen:

- | | |
|---------------------------------------|--------------------------|
| 1) Type <u>stainless steel</u> | 2) Length <u>10</u> feet |
| 3) Static water level <u>5.5</u> feet | |

Pump:

- | | |
|--------------------------------|-----------------------------|
| 1) Make <u>Fairbanks-Morse</u> | 2) Model <u>T4D2449667A</u> |
| 3) Size <u>10M</u> | 4) Capacity <u>500</u> GPM |

Motor:

- | | |
|-----------------------------------|---------------------------|
| 1) Make <u>US Electrical</u> | 2) Model No. <u>215TP</u> |
| 3) Horsepower rating <u>10</u> hp | |

DISTRIBUTION LINES OR CANALS:

- 1) Type Municipal distribution system

PERMIT QUALIFICATIONS AND REGULATIONS:

- | |
|--|
| 1) Special qualifications to permit being abided by <u>yes</u> |
| 2) All structures, wells and lands on map <u>yes</u> |



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

March 20, 1997

5462-3

City of Watertown
%Harlan Hoy, Water Superintendent
901 Fourth Ave. SW
Watertown, SD 57201

Dear Mr. Hoy:

The investigation of your water use system, including the extent of application of water to beneficial use, as developed under Water Permit No. 5462-3, 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 investigation and issuance of the Water License. Upon receipt of the \$50.00 fee from you, we will begin processing your Water License.

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

Sincerely,

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

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

RECEIPT

415313

Division of Water Rights

South Dakota Department of Environment and Natural Resources

Pierre, _____ April 14, 19 97

RECEIVED OF City of Watertown, 901 Fourth Ave., SW, Watertown, SD 57201

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>5462-3</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

STATE OF SOUTH DAKOTA

WATER LICENSE NO. 5462-3

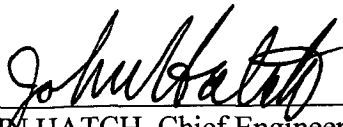
(1) Watertown Municipal Utilities, City of Watertown, 901 Fourth Ave SW, Watertown SD 57201 made Application No. 5462-3, July 3, 1990 for a water permit to divert 1.1 cubic feet of water per second from groundwater (one well), Codington County, South Dakota for municipal use purposes. Permit No. 5462-3, with a priority date of July 3, 1990 was approved October 3, 1990 and issued to the applicant for diversion of water with construction of the described water supply system to be completed on or before October 3, 1995 and for the application to beneficial use of said water on or before October 3, 1999.

The permit holder submitted a *Notice of Completion of Works and Application of Water to Beneficial Use* on September 1, 1995. The *Notice* stated the diversion system was completed on July 1, 1995 and the water placed to beneficial use on July 1, 1995.

(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 1.1 cubic feet of water per second for beneficial use. The location of the diversion point is 580 feet north and 2,700 feet west of the southeast corner of Section 25-T117N-R53W (SE 1/4 SW 1/4).

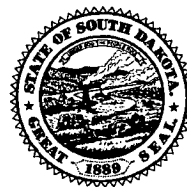
(3) The applicant has complied with the provisions of South Dakota State Law relating to the application of water to beneficial use.

(4) Pursuant to South Dakota Water Law 46-5-30.1 the Watertown Municipal Utilities, City of Watertown, 901 Fourth Ave SW, Watertown SD 57201 the holder and/or owner of Water Permit No. 5462-3 is issued a license to appropriate water, the right to use 1.1 cubic feet of water per second from groundwater (one well) with a priority date of July 3, 1990 from the location specified in (2) of this license, for the purpose of municipal use. This license is subject to any limitations or qualifications listed in Water Permit No. 5462-3 and subject to South Dakota State Law.


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

JUN 12 1997

date



25 1170' 53'

2700'

580'

Mark D Rath
Mark D Rath
Natural Resources Engineer
Division of Water Rights
Date 12/18/96

5462-3



**DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES**

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

JUN 12 1997

5462-3

Harlan Hoy, Water Superintendent
Watertown Municipal Utilities
901 Fourth Ave. SW
Watertown, SD 57201

Dear Mr. Hoy:

Enclosed is Water License No. 5462-3. This is the final water right document completing your process of obtaining a Water Right. Enclosed is Receipt No. 415313 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. 5462-3, 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.

Very truly yours,

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

ks
enclosures